

## CURRICULUM VITAE

*Updated September 2021*

### **JULIE L. DANIELS, MPH, PHD**

#### **BUSINESS**

Department of Epidemiology, CB#7435  
Gillings School of Global Public Health  
University of North Carolina  
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#### **EDUCATION**

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1999 Doctor of Philosophy (Epidemiology) - The University of North Carolina, Chapel Hill, NC  
1995 Master of Public Health (Epidemiology) - Saint Louis University, St. Louis, MO  
1989 Bachelor of Arts (Psychology) - University of Missouri, Kansas City, MO

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#### **PROFESSIONAL EXPERIENCE**

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2016-Present Professor, Departments of Epidemiology & Maternal and Child Health University of North Carolina, Chapel Hill NC  
2002-Present Fellow, Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill, Chapel Hill, NC  
2009-2016 Associate Professor, Departments of Epidemiology & Maternal and Child Health University of North Carolina, Chapel Hill NC  
2002-2009 Assistant Professor, Departments of Epidemiology & Maternal and Child Health University of North Carolina, Chapel Hill NC  
2000-2002 Post-Doctoral Fellow, National Institute of Environmental Health Sciences  
1997-2002 Instructor, Department of Community and Family Medicine, Duke University  
1999-2000 Postdoctoral Fellow, University of North Carolina, School of Public Health  
1995-1999 Research Assistant, Department of Epidemiology, University of North Carolina  
1997-1998 Teaching Assistant, Department of Epidemiology, University of North Carolina  
1993-1995 Research & Teaching Assistant, Saint Louis University, School of Public Health

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#### **PROFESSIONAL SERVICE ACTIVITIES**

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#### **NATIONAL & INTERNATIONAL SERVICE**

2018-2019 National Academy of Sciences Engineering and Medicine. Committee on a Scoping Plan to Assess the Hazards of Organohalogen Flame Retardants  
2013-present Department of Defense/ U.S. Army Medical Research and Materiel Command- Autism Research Program Panel (Council Member)  
2011-2020 Associate Editor, Environmental Health Perspectives

- 2015 External Advisory Review Committee Member for the Maternal-Infant Research on Environmental Chemicals (MIREC) program – Canada.
- 2015-2017 External Advisory Committee Member for the Center for Children's Environmental Health, MIND Institute, University of California, Davis.
- 2009-2011 Editorial Board, Environmental Health Perspectives
- 2008-2010 Autism Speaks – Environmental and Autism Review Board
- 2006 NIEHS – Expert Panel Member, Use of the Vaccine Safety Data-link (VSD) to assess time trends in autism: feasibility and study design considerations.

### **NORTH CAROLINA, UNIVERSITY, & DEPARTMENTAL SERVICE**

- 2020-present Chair, Department of Epidemiology Inclusion and Equity Committee
- 2016-present Director, UNC Reproductive, Perinatal, Pediatric Epidemiology Training Program - T32 sponsored by NICHD
- 2015-2019 Department of Epidemiology Admissions Committee
- 2013-2016 Co-Director, UNC Reproductive, Perinatal, Pediatric Epidemiology Training Program - T32 sponsored by NICHD (with Dr. Anna Maria Siega-Riz, Director)
- 2012-2013 Department of Epidemiology Diversity Committee
- 2012, '15, '16 SPH Committee to Review of Chair/Center Directors
- 2011-2015 UNC IRB-Institutional Review Board
- 2009-present UNC Gillings School of Global Public Health Pilot Grant Review
- 2006-2011 Department of Epidemiology Graduate Studies Committee
- 2003-2006 Department of Epidemiology Admissions Committee

### **LEADERSHIP AND EQUITY FOCUSED SERVICE AND ONGOING EDUCATION**

- 2021 Relational Leadership Institute
- 2021 TEAM ADVANCE Faculty Mentor Training
- 2020 Racial Equity Institute (REI) Groundwater & Phase 1

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### **SCIENTIFIC PRODUCTS: PUBLICATIONS AND PRESENTATIONS**

*\* Denotes student or post-doctoral fellow's work for which JL Daniels was primary/senior mentor.*

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### **ARTICLES IN PEER-REVIEWED JOURNALS**

1. Wiggins LD, Nadler C, Rosenberg S, Moody E, Reyes N, Reynolds A, Alexander A, **Daniels J**, Thomas K, Giarelli E, Levy SE. Many Young Children with Autism Who Use Psychotropic Medication Do Not Receive Behavior Therapy: A Multisite Case-Control Study. *J Pediatr* In press.
2. Choi G, Keil AP, Richardson DB, **Daniels JL**, Hoffman K, Villanger GD, Sakhir AK, Thomsen C, Zeiner P, Reichborn-Kjennerud T, Aase H, Engel SM. Pregnancy exposure to organophosphate esters and the risk of attention-deficit hyperactivity disorder in the Norwegian Mother, Father and Child Cohort Study. *Environ Int.* 2021 Sep;154:106549. Epub 2021 Apr 25. PMID: 33910116
3. Choi G, Keil AP, Villanger GD, Richardson DB, **Daniels JL**, Hoffman K, Sakhi AK, Thomsen C, Herring AH, Drover SS, Nethery R, Aase H, Engel SM. Pregnancy exposure to common-detect

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organophosphate esters and phthalates and maternal thyroid function. *Sci Total Environ.* 2021 Aug 15;782:146709. Epub 2021 Mar 24. PMID: 33839654

4. Powell PS, Pazol K, Wiggins LD, **Daniels JL**, Dichter GS, Bradley CB, Pretzel R, Kloetzer J, McKenzie C, Scott A, Robinson B, Sims AS, Kasten EP, Fallin MD, Levy SE, Dietz PM, Cogswell ME, Health Status and Health Care Use Among Adolescents Identified With and Without Autism in Early Childhood - Four U.S. Sites, 2018-2020. *MMWR Morb Mortal Wkly Rep.* 2021 Apr 30;70(17):605-611 PMID: 33914722
5. Reynolds AM, Soke GN, Sabourin KR, Croen LA, **Daniels JL**, Fallin MD, Kral TVE, Lee LC, Newschaffer CJ, Pinto-Martin JA, Schieve LA, Sims A, Wiggins L, Levy SE. Gastrointestinal Symptoms in 2- to 5-Year-Old Children in the Study to Explore Early Development. *J Autism Dev Disord.* 2021 Jan 4. Online ahead of print. PMID: 33394243
6. \*Cordero C, Schieve LA, Croen LA, Engel SM, Maria Siega-Riz A, Herring AH, Vladutiu CJ, Seashore CJ, **Daniels JL**. Neonatal jaundice in association with autism spectrum disorder and developmental disorder. 2020 Feb;40(2):219-225. PMID: 31388117
7. Venkatesh KK, Leviton A, Hecht JL, Joseph RM, Douglass LM, Frazier JA, **Daniels JL**, Fry RC, O'Shea TM, Kuban KCK. Histologic chorioamnionitis and risk of neurodevelopmental impairment at age 10 years among extremely preterm infants born before 28 weeks of gestation. *Am J Obstet Gynecol.* 2020 Nov;223(5):745.e1-745.e10. PMID: 32387324
8. Shaw KA, Maenner MJ, Baio J; EdS1, Washington A, Christensen DL, Wiggins LD, Pettygrove S, Andrews JG, White T, Rosenberg CR, Constantino JN, Fitzgerald RT, Zahorodny W, Shenouda J, **Daniels JL**, Salinas A, Durkin MS, Dietz PM. Early Identification of Autism Spectrum Disorder Among Children Aged 4 Years - Early Autism and Developmental Disabilities Monitoring Network, Six Sites, United States, 2016. *MMWR Surveill Summ.* 2020 Mar 27;69(3):1-11. PMID: 32214075
9. Maenner MJ, Shaw KA, Baio J; EdS1, Washington A, Patrick M, DiRienzo M, Christensen DL, Wiggins LD, Pettygrove S, Andrews JG, Lopez M, Hudson A, Baroud T, Schwenk Y, White T, Rosenberg CR, Lee LC, Harrington RA, Huston M, Hewitt A; PhD-7, Esler A, Hall-Lande J, Poynter JN, Hallas-Muchow L, Constantino JN, Fitzgerald RT, Zahorodny W, Shenouda J, **Daniels JL**, Warren Z, Vehorn A, Salinas A, Durkin MS, Dietz PM Prevalence of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2016. *MMWR Surveill Summ.* 2020 Mar 27;69(4):1-12. PMID: 32214087
10. \*McGuinn LA, Windham GC, Kalkbrenner AE, Bradley C, Di Q, Croen LA, Fallin MD, Hoffman K, Ladd-Acosta C, Schwartz J, Rappold AG, Richardson DB, Neas LM, Gammon MD, Schieve LA, **Daniels JL** Early Life Exposure to Air Pollution and Autism Spectrum Disorder: Findings from a Multisite Case-Control Study. *Epidemiology.* 2020 Jan;31(1):103-114. PMID: 31592868
11. \*McGuinn LA, Windham GC, Messer LC, Di Q, Schwartz J, Croen LA, Moody EJ, Rappold AG, Richardson DB, Neas LM, Gammon MD, Schieve LA, **Daniels JL**. Air pollution, neighborhood deprivation, and autism spectrum disorder in the Study to Explore Early Development. *Environ Epidemiol.* 2019 Oct;3(5):e067. PMID: 32478281
12. \*Doherty BT, Hammel SC, **Daniels JL**, Stapleton HM, Hoffman K. Organophosphate Esters: Are These Flame Retardants and Plasticizers Affecting Children's Health? *Curr Environ Health Rep.* 2019 Dec;6(4):201-213. PMID: 31755035
13. National Academies of Sciences, Engineering, and Medicine. 2019. *A Class Approach to Hazard Assessment of Organohalogen Flame Retardants*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25412>.

14. \*Cordero C, Windham GC, Schieve LA, Fallin MD, Croen LA, Siega-Riz AM, Engel SM, Herring AH, Stuebe AM, Vladutiu CJ, **Daniels JL**. Maternal diabetes and hypertensive disorders in association with autism spectrum disorder. *Autism Res.* 2019 Jun;12(6):967-975. PMID: 30969030
15. \*Chawla D, **Daniels JL**, Benjamin-Neelon SE, Fuemmeler BF, Hoyo C, Buckley JP. Racial and ethnic differences in predictors of vitamin D among pregnant women in south-eastern USA. *J Nutr Sci.* 2019 Feb 28;8:e8. PMID: 30854201
16. \*Doherty BT, Hoffman K, Keil AP, Engel SM, Stapleton HM, Goldman BD, Olshan AF, **Daniels JL**. Prenatal exposure to organophosphate esters and behavioral development in young children in the Pregnancy, Infection, and Nutrition Study. *Neurotoxicology.* 2019 Apr 3;73:150-160. PMID: 30951742
17. Reinhartsen DB, Tapia AL, Watson L, Crais E, Bradley C, Fairchild J, Herring AH, **Daniels J**. Expressive Dominant Versus Receptive Dominant Language Patterns in Young Children: Findings from the Study to Explore Early Development. *J Autism Dev Disord.* 2019 Apr 1. PMID: 30937735
18. Christensen DL, Maenner MJ, Bilder D, Constantino JN, **Daniels J**, Durkin MS, Fitzgerald RT, Kurzius-Spencer M, Pettygrove SD, Robinson C, Shenouda J, White T, Zahorodny W, Pazol K, Dietz P. Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 4 Years - Early Autism and Developmental Disabilities Monitoring Network, Seven Sites, United States, 2010, 2012, and 2014. *MMWR Surveill Summ.* 2019 Apr 12;68(2):1-19. PMID:30973853
19. \*Doherty BT, Hoffman K, Keil AP, Engel SM, Stapleton HM, Goldman BD, Olshan AF, **Daniels JL**. Prenatal exposure to organophosphate esters and cognitive development in young children in the Pregnancy, Infection, and Nutrition Study. *Environ Res.* 2019 Feb;169:33-40. PMID: 30408751
20. Windham GC, Anderson M, Lyall K, **Daniels JL**, Kral TVE, Croen LA, Levy SE, Bradley CB, Cordero C, Young L, Schieve LA. Maternal Pre-pregnancy Body Mass Index and Gestational Weight Gain in Relation to Autism Spectrum Disorder and other Developmental Disorders in Offspring. *Autism Res.* 2019 Feb;12(2):316-327. PMID: 30575327
21. \*Rubenstein E, Wiggins LD, Schieve LA, Bradley C, DiGuseppi C, Moody E, Pandey J, Pretzel RE, Howard AG, Olshan AF, Pence BW, **Daniels J**. Associations between parental broader autism phenotype and child autism spectrum disorder phenotype in the Study to Explore Early Development. *Autism.* 2019 Feb;23(2):436-448. PMID: 29376397
22. Christensen DL, Braun KVN, Baio J, Bilder D, Charles J, Constantino JN, **Daniels J**, Durkin MS, Fitzgerald RT, Kurzius-Spencer M, Lee LC, Pettygrove S, Robinson C, Schulz E, Wells C, Wingate MS, Zahorodny W, Yeargin-Allsopp M. Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2012. *MMWR Surveill Summ.* 2018 Nov 16;65(13):1-23. PMID: 30439868
23. House JS, Mendez M, Maguire RL, Gonzalez-Nahm S, Huang Z, **Daniels J**, Murphy SK, Fuemmeler BF, Wright FA, Hoyo C. Periconceptional Maternal Mediterranean Diet Is Associated With Favorable Offspring Behaviors and Altered CpG Methylation of Imprinted Genes. *Front Cell Dev Biol.* 2018 Sep 7;6:107. PMID: 30246009
24. \*Rubenstein E, Schieve L, Wiggins L, Rice C, Van Naarden Braun K, Christensen D, Durkin M, **Daniels J**, Lee LC. Trends in documented co-occurring conditions in children with autism spectrum disorder, 2002-2010. *Res Dev Disabil.* 2018 Dec;83:168-178. PMID: 30227350

25. \*Chawla D, Yang YC, Desrosiers TA, Westreich DJ, Olshan AF, **Daniels JL**. Past-month cannabis use among U.S. individuals from 2002-2015: An age-period-cohort analysis. *Drug Alcohol Depend*. 2018 Dec 1;193:177-182. PMID: 30384326
26. \*Rubenstein E, Young JC, Croen LA, DiGuseppi C, Dowling NF, Lee LC, Schieve L, Wiggins LD, **Daniels J** Brief Report: Maternal Opioid Prescription from Preconception Through Pregnancy and the Odds of Autism Spectrum Disorder and Autism Features in Children. *J Autism Dev Disord*. 2018 Aug 21. PMID:30132098 . Erratum in: *J Autism Dev Disord*..PMID:30132098
27. Wiggins LD, Rubenstein E, **Daniels J**, DiGuseppi C, Yeargin-Allsopp M, Schieve LA, Tian LH, Sabourin K, Moody E, Pinto-Martin J, Reyes N, Levy SE. A Phenotype of Childhood Autism Is Associated with Preexisting Maternal Anxiety and Depression. *J Abnorm Child Psychol*. 2018 Aug 21. PMID: 30128718
28. Kral TV, Chittams J, Bradley CB, **Daniels JL**, DiGuseppi CG, Johnson SL, Pandey J, PintoMartin JA, Rahai N, Ramirez A, Schieve LA, Thompson A, Windham G, York W, Young L, Levy SE. Early life influences on child weight outcomes in the Study to Explore Early Development. *Autism*. 2019 May;23(4):954-962. PMID:30102071
29. Croen LA, Qian Y, Ashwood P, **Daniels JL**, Fallin D, Schendel D, Schieve LA, Singer AB, Zerbo O. Family history of immune conditions and autism spectrum and developmental disorders: Findings from the study to explore early development. *Autism Res*. 2019 Jan;12(1):123-135. PMID: 30095240
30. \*Rubenstein E, Durkin MS, Harrington RA, Kirby RS, Schieve LA, **Daniels J**. Relationship Between Advanced Maternal Age and Timing of First Developmental Evaluation in Children with Autism. *J Dev Behav Pediatr*. 2018 Jul 12. PMID: 30004996
31. Hoffman K, Stapleton HM, Lorenzo A, Butt CM, Adair L, Herring AH, **Daniels JL** Prenatal exposure to organophosphates and associations with birthweight and gestational length. *Environ Int*. 2018 Apr 23;116:248-254. PMID: 29698901
32. Baio J, Wiggins L, Christensen DL, Maenner MJ, **Daniels J**, Warren Z, Kurzius-Spencer M, Zahorodny W, Robinson Rosenberg C, White T, Durkin MS, Imm P, Nikolaou L, Yeargin-Allsopp M, Lee LC, Harrington R, Lopez M, Fitzgerald RT, Hewitt A, Pettygrove S, Constantino JN, Vehorn A, Shenouda J, Hall-Lande J, Van Naarden Braun K, Dowling NF. Prevalence of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2014. *MMWR Surveill Summ*. 2018 Apr 27;67(6):1-23. PMID: 29701730
33. Bradley CB, Browne EN, Alexander AA, Collins J, Dahm JL, DiGuseppi CG, Levy SE, Moody EJ, Schieve LA, Windham GC, Young L, **Daniels JL**. Demographic and Operational Factors Predicting Study Completion in a Multisite Case-Control Study of Preschool Children. *Am J Epidemiol*. 2018 Mar 1;187(3):592-603. PMID: 29506195
34. **Daniels JL**. Considerations for Studying Folate Beyond the Typical Range of Exposure. *Paediatr Perinat Epidemiol*. 2018 Jan;32(1):112-113. PMID: 29165832
35. Schieve LA, Tian LH, Drews-Botsch C, Windham GC, Newschaffer C, **Daniels JL**, Lee LC, Croen LA, Danielle Fallin M. Autism spectrum disorder and birth spacing: Findings from the study to explore early development (SEED). *Autism Res*. 2018 Jan;11(1):81-94. PMID: 29164825
36. Furlong M, Herring AH, Goldman BD, **Daniels JL**, Wolff MS, Engel LS, Engel SM. Early Life Characteristics and Neurodevelopmental Phenotypes in the Mount Sinai Children's Environmental Health Center. *Child Psychiatry Hum Dev*. 2017 Nov 24. PMID: 29177988
37. \*Chawla D, Fuemmeler B, Benjamin-Neelon SE, Hoyo C, Murphy S, **Daniels JL**. Early prenatal vitamin D concentrations and social-emotional development in infants. *J Matern Fetal Neonatal Med*. 2017 Dec 4:1-8. PMID: 29157031

38. \*Singer AB, Aylsworth AS, Cordero C, Croen LA, DiGuseppi C, Fallin MD, Herring AH, Hooper SR, Pretzel RE, Schieve LA, Windham GC, **Daniels JL**. Prenatal Alcohol Exposure in Relation to Autism Spectrum Disorder: Findings from the Study to Explore Early Development (SEED). *Paediatr Perinat Epidemiol*. 2017 Nov;31(6):573-582. Epub 2017 Sep 7. PMID: 28881390
39. Kinlaw AC, Stürmer T, Lund JL, Pedersen L, Kappelman MD, **Daniels JL**, Frøslev T, Mack CD, Sørensen HT. Trends in Antibiotic Use by Birth Season and Birth Year. *Pediatrics*. 2017 Sep;140(3). PMID: 28808074
40. Parrish JW, Shanahan ME, Schnitzer PG, Lanier P, **Daniels JL**, Marshall SW. Quantifying sources of bias in longitudinal data linkage studies of child abuse and neglect: measuring impact of outcome specification, linkage error, and partial cohort follow-up. *Inj Epidemiol*. 2017 Dec;4(1):23. PMID: 28762156
41. Furlong MA, Herring A, Buckley JP, Goldman BD, **Daniels JL**, Engel LS, Wolff MS, Chen J, Wetmur J, Barr DB, Engel SM. Prenatal exposure to organophosphorus pesticides and childhood neurodevelopmental phenotypes. *Environ Res*. 2017 Oct;158:737-747. PMID: 28743040
42. Parrish JW, Schnitzer PG, Lanier P, Shanahan ME, **Daniels JL**, Marshall SW. *Classification of maltreatment-related mortality by Child Death Review teams: How reliable are they?* *Child Abuse Negl*. 2017 Mar 30;67:362-370. PMID: 28365427
43. Hoffman K, Butt CM, Webster TF, Preston EV, Hammel SC, Makey C, Lorenzo AM, Cooper EM, Carignan C, Meeker JD, Hauser R, Soubry A, Murphy SK, Price TM, Hoyo C, Mendelsohn E, Congleton J, **Daniels JL**, Stapleton HM. Temporal Trends in Exposure to Organophosphate Flame Retardants in the United States. *Environ Sci Technol Lett*. 2017 Mar 14;4(3):112-118. PMID: 28317001
44. \*Rappazzo KM, Lobdell DT, Messer LC, Poole C, **Daniels JL**. Comparison of gestational dating methods and implications for exposure-outcome associations: an example with PM2.5 and preterm birth. *Occup Environ Med*. 2017 Feb;74(2):138-143. PMID: 27919061
45. Martin CL, Siega-Riz AM, Sotres-Alvarez D, Robinson WR, **Daniels JL**, Perrin EM, Stuebe AM. Maternal Dietary Patterns during Pregnancy Are Associated with Child Growth in the First 3 Years of Life. *J Nutr*. 2016 Nov;146(11):2281-2288. PMID: 27683873
46. Hoffman K, Lorenzo A, Butt CM, Adair L, Herring AH, Stapleton HM, **Daniels JL**. Predictors of urinary flame retardant concentration among pregnant women. *Environ Int*. 2016 Oct 13. pii: S0160-4120(16)30566-9. PMID: 27745946
47. Singer AB, Windham GC, Croen LA, **Daniels JL**, Lee BK, Qian Y, Schendel DE, Fallin MD, Burstyn I. Maternal Exposure to Occupational Asthmagens During Pregnancy and Autism Spectrum Disorder in the Study to Explore Early Development. *J Autism Dev Disord*. 2016 Aug 10. PMID: 27511194
48. Martin CL, Siega-Riz AM, Sotres-Alvarez D, Robinson WR, **Daniels JL**, Perrin EM, Stuebe AM. Maternal Dietary Patterns are Associated with Lower Levels of Cardiometabolic Markers during Pregnancy. *Paediatr Perinat Epidemiol*. 2016 May;30(3):246-55 PMID: 26848932
49. \*Hoffman K, Mendez M, Siega-Riz AM, Herring AH, Sjödin A, **Daniels JL**. Lactational Exposure to Polybrominated Diphenyl Ethers and its Relation to Early Childhood Anthropometric Measurements. *Environment Health Perspect* 2016 May 6. PMID: 27153456
50. Buckley JP, Engel SM, Braun JM, Whyatt RM, **Daniels JL**, Mendez MA, Richardson DB, Xu Y, Calafat AM, Wolff MS, Lanphear BP, Herring AH, Rundle AG. Prenatal phthalate exposures and body mass index among 4 to 7 year old children: A pooled analysis. *Epidemiology*. 2016 May;27(3):449-58. PMID: 26745610
51. Christensen DL, Baio J, Braun KV, Bilder D, Charles J, Constantino JN, **Daniels J**, Durkin MS,

Fitzgerald RT, Kurzius-Spencer M, Lee LC, Pettygrove S, Robinson C, Schulz E, Wells C, Wingate MS, Zahorodny W, Yeargin-Allsopp M. Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2012. *MMWR Surveill Summ.* 2016 Apr 1;65(3):1-23. PMID: 27031587

52. DiGuseppi CG, **Daniels JL**, Fallin DM, Rosenberg SA, Schieve LA, Thomas KC, Windham GC, Goss CW, Soke GN, Currie DW, Singer AB, Lee L-C, Bernal P, Croen LA, Miller LA, Pinto-Martin JA, Young LM, Schendel DE. Demographic Profile of Families and Children in the Study to Explore Early Development (SEED): Case-Control Study of Autism Spectrum Disorder. *Disability Health J; Disabil Health J.* 2016 Jan 29. pii: S1936-6574 PMID: 26917104
53. Buckley JP, Engel SM, Mendez MA, Richardson DB, **Daniels JL**, Calafat AM, Wolff MS, Herring AH Prenatal Phthalate Exposures and Childhood Fat Mass in a New York City Cohort. *Environ Health Perspect.* 2016 Apr;124(4):507-13. PMID: 26308089
54. Ladd-Acosta C, Shu C, Lee BK, Gidaya N, Singer A, Schieve LA, Schendel DE, Jones N, **Daniels JL**, Windham GC, Newschaffer CJ, Croen LA, Feinberg AP, Daniele Fallin M. Presence of an epigenetic signature of prenatal cigarette smoke exposure in childhood. *Environ Res.* 2015 Nov 20;144(Pt A):139-148. PMID: 26610292
55. Tucker CM, Berrien K, Menard MK, Herring AH, **Daniels J**, Rowley DL, Halpern CT. Predicting Preterm Birth Among Women Screened by North Carolina's Pregnancy Medical Home Program. *Matern Child Health J.* 2015 Nov;19(11):2438-52.
56. Wiggins LD, Levy SE, **Daniels J**, Schieve L, Croen LA, DiGuseppi C, Blaskey L, Giarelli E, Lee LC, Pinto-Martin J, Reynolds A, Rice C, Rosenberg CR, Thompson P, Yeargin-Allsopp M, Young L, Schendel D. Autism spectrum disorder symptoms among children enrolled in the Study to Explore Early Development (SEED). *J Autism Dev Disord.* 2015 Oct;45(10):3183-94. PMID: 26048040
57. \*Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. Exposure to Elemental Carbon, Organic Carbon, Nitrate, and Sulfate Fractions of Fine Particulate Matter and Risk of Preterm Birth in New Jersey, Ohio, and Pennsylvania (2000-2005). *Environ Health Perspect.* Oct;123(10):1059-65. PMID: 25910280
58. \*Kalkbrenner AE, Windham GC, Serre ML, Akita Y, Wang X, Hoffman K, Thayer BP, **Daniels JL**. Particulate Matter Exposure, Prenatal and Postnatal Windows of Susceptibility, and Autism Spectrum Disorders. *Epidemiology.* 2015 Jan; 26(1):30-42 PMID: 25286049
59. \*Jensen E, **Daniels J**, Stürmer T, Robinson W, Williams C, Vejrup K, Magnus P, Longnecker M. Hormonal contraceptive use before and after conception in relation to preterm birth and small for gestational age: an observational cohort study. *BJOG.* 2015 Sep;122(10):1349-61. PMID: 25318662
60. Sasson JN, Fason DJ, Parlier M, **Daniels J**, Piven J. When Father Doesn't Know Best: Selective Disagreement between Self and Informant-Report of the Broad Autism Phenotype in Parents of a Child with Autism. *Autism Res.* 2014 Dec;7(6):731-9 PMID: 25339495
61. \*Jensen ET, **Daniels JL**, Stürmer T, Robinson WR, Williams CJ, Moster D, Juliusson PB, Vejrup K, Magnus P, Longnecker MP. Maternal hormonal contraceptive use and offspring overweight or obesity. *Int J Obes* 2014 Oct;38(10):1275-81. Epub 2014 Jul 2. PMID: 24984751
62. \*Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. Exposure to Fine Particulate Matter during Pregnancy and Risk of Preterm Birth among Women in New Jersey, Ohio, and Pennsylvania, 2000-2005. *Environ Health Perspect.* 2014 Sep;122(9):992-7. PMID: 24879653

63. Stingone JA, Luben TJ, **Daniels JL**, Fuentes M, Richardson DB, Aylsworth AS, Herring AH, Anderka M, Botto L, Correa A, Gilboa SM, Langlois PH, Mosley B, Shaw GM, Siffel C, Olshan AF; National Birth Defects Prevention Study. Maternal Exposure to Criteria Air Pollutants and Congenital Heart Defects in Offspring: Results from the National Birth Defects Prevention Study. *Environ Health Perspect*. 2014 Apr 11. PMID: 24727555
64. Developmental Disabilities Monitoring Network Surveillance Year 2010 Principal Investigators; Centers for Disease Control and Prevention (CDC). Prevalence of autism spectrum disorder among children aged 8 years - autism and developmental disabilities monitoring network, 11 sites, United States, 2010. *MMWR Surveill Summ*. 2014 Mar 28;63(2):1-21. PMID: 24670961
65. \*Keil AP, **Daniels JL**, Hertz-Picciotto I. Autism spectrum disorder, flea and tick medication, and adjustments for exposure misclassification: the CHARGE (Childhood Autism Risks from Genetics and Environment) case-control study. *Environ Health*. 2014 Jan 23;13(1):3. PMID: 24456651
66. \*Hoffman K, **Daniels JL**, Stapleton HM. Urinary metabolites of organophosphate flame retardants and their variability in pregnant women. *Environ Int*. 2014 Feb;63:169-72. PMID: 24316320
67. Starling AP, Engel SM, Whitworth KW, Richardson DB, Stuebe AM, **Daniels JL**, Haug LS, Eggesbø M, Becher G, Sabaredzovic A, Thomsen C, Wilson RE, Travlos GS, Hoppin JA, Baird DD, Longnecker MP. Perfluoroalkyl substances and lipid concentrations in plasma during pregnancy among women in the Norwegian Mother and Child Cohort Study. *Environ Int*. 2014 Jan;62:104-12. PMID: 24189199
68. \*Hoffman K, Vieira VM, **Daniels JL**. Brief Report: Diminishing Geographic Variability in Autism Spectrum Disorders Over Time? *J Autism Dev Disord*. 2014 Mar;44(3):712-8. PMID: 23959585
69. \*Taylor KW, Hoffman K, Thayer KA, **Daniels JL** Polyfluoroalkyl Chemicals and Natural Menopause among Women Ages 18-65 (NHANES). *Environ Health Perspect*. 2014 Feb;122(2):145-50. PMID: 24280566
70. \*Adgent MA, Hoffman K, Goldman BD, Sjodin A, **Daniels JL**. Brominated Flame Retardants in Breast Milk and Behavioral and Cognitive Development at 36 Months. *Paediatr Perinatal Epidemiol*. 2014 Jan;28(1):48-57 PMID: 24313667
71. \*Watkins S, Jonsson-Funk M, Brookhart MA, Rosenberg SA, O'Shea TM, **Daniels J**. Preschool Motor Skills Following Physical and Occupational Therapy Services Among Non-Disabled Very Low Birth Weight Children. *Matern Child Health J*. 2013 Jul 3. PMID:23820671
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### **ORAL AND POSTER PRESENTATIONS**

*List includes only presentations by JL Daniels or those by students or post-doctoral fellows under JL Daniels mentorship, which are indicated by an \*.*

1. McGuinn LA, Windham GC, Kalkbrenner A, Di Q, Schwartz J, Neas L, Rappold A, Richardson DB, Schieve LA, Daniels JL. Pre- and Postnatal Air Pollution Exposure and Autism Spectrum Disorder: Findings from the Study to Explore Early Development. Submitted: International Society for Environmental Epidemiology Annual Meeting. Utrecht, Netherlands, August 25-28, 2019.
2. McGuinn LA, Windham GC, Kalkbrenner A, Croen LA, Fallin MD, Ladd-Acosta C, Schwartz J, Di Q, Bradley C, Gammon M, Neas L, Rappold A, Richardson DB, Schieve LA, Daniels JL. Early Life Exposure to Air Pollution and Autism Spectrum Disorder: Findings from the Study to Explore Early

Development. Poster presentation. International Society for Autism Research Annual Meeting. Montreal, Canada, May 1-4, 2019.

3. \*Doherty B, Hoffman K, Engel S, Olshan A, Goldman B, Stapleton H, Daniels J. Prenatal Exposure to Organophosphate Esters and Cognitive and Behavioral Development. Society for Perinatal and Pediatric Epidemiology Research, Baltimore, MD 2018.
4. \*Chawla D, Desrosiers T, Daniels J, Westreich D, Yang C, Keil A, Gilboa S, Reefhuis J, van Gelder M, Olshan A, and the National Birth Defects Prevention Study. Paternal preconception cannabis use and risk of birth defects in the National Birth Defects Prevention Study. Society for Epidemiology Research, Baltimore, MD 2018.
5. McGuinn L, Windham G, Croen L, Schieve L, Fallin MD, Gammon M, Rappold A, Richardson D, Messer L, Daniels J. Air Pollution Exposure, Neighborhood Deprivation, and Autism Spectrum Disorder. Oral presentation. International Society for Environmental Epidemiology Annual Meeting. Ottawa, Canada, August 27, 2018.
6. McGuinn L, Daniels J. Early life exposure to air pollution and autism spectrum disorder: Preliminary findings from the Study to Explore Early Development. Oral presentation. Environmental Epidemiology of Autism Research Network (EEARN) Meeting. San Francisco, CA, May 12, 2017.
7. (Invited) **Daniels JL**. PBDEs: Concentration in Human Milk, Sources of Variability, and Infant Development & Growth. North Carolina State School of Veterinary Medicine, August 22, 2016.
8. Moderator, Plenary Session II: Timing and Reproductive Outcomes. Society for Pediatric and Perinatal Epidemiology, Miami, FL 2016
9. \*Singer AB, Aylsworth AS, Croen LA, DiGuseppi C, Fallin MD, Hooper SR, Pretzel RE, Schieve LA, Windham GC, **Daniels JL**. Prenatal alcohol exposure and autism spectrum disorder in the Study to Explore Early Development (SEED). Society for Pediatric and Perinatal Epidemiology, Miami, FL 2016
10. \*Cordero C, Windham G, Fallin MD, Croen LA, Thompson W, Schieve LA, **Daniels JL**. Diabetes and Hypertension in pregnancy in association with autism spectrum disorder in the child. Society for Pediatric and Perinatal Epidemiology, Miami, FL 2016
11. \*Cordero C, Windham G, Fallin MD, Croen LA, Thompson W, Schieve LA, **Daniels JL**. Diabetes and Hypertension in pregnancy in association with autism spectrum disorder in the child. Oral Presentation - *International Meeting for Autism Research*, Baltimore, MD. May 2016.
12. (Invited) **Daniels JL**. Autism Epidemiology: Trends in Prevalence and Population-Based Research. Investigator Forum - Carolina Institute for Developmental Disabilities. December 8, 2015.
13. **Daniels JL**, Rubenstein E, Cordero C, Newschaffer CJ, Park BY, Croen L, Fallin D, Levy S, Pinto-Martin J, Schieve L, Schendel D, Windham G. Association of preterm birth and both autism spectrum disorder and developmental disabilities. Poster at Society for Perinatal and Pediatric Epidemiology. Denver, CO. June 2015.
14. \*Cordero C, Croen L, Fallin M, Schieve L, Thompson W, Windham G, **Daniels J**. Agreement of perinatal data from maternal interview and medical records in a case-control study. Poster at Society for Perinatal and Pediatric Epidemiology. Denver, CO. June 2015.
15. Rubenstein E, Rice CE, Yenokyan G, Schieve L, Christensen D, Durkin MS, Bakian A, Kirby RS, **Daniels J**, Rosenberg SA, Preskitt J, Lee LC. Utility of Documented Special Education Exceptionality Categories for ASD Prevalence Estimation among Children Identified with ASD in the ADDM Network. Poster. International Meeting for Autism Research. Salt Lake City, UT. 2015

16. *(Invited)* **Daniels JL**. The Epidemiology of Autism. Community Forum - Carolina Institute for Developmental Disabilities. December 10, 2014.
17. \*Cordero C, **Daniels JL**, Mendez MA, Murphy SK, Hoyo C. Is Maternal report of dietary folate intake and folic acid supplement use associated with red blood cell folate during pregnancy? Society for Perinatal and Pediatric Epidemiology Research. Seattle, WA. 2014.
18. Singer AB, Windham GC, Croen LA, **Daniels J**, Lee BK, Schendel, DE, Fallin MD, Burstyn I. Parental Exposure to Occupational Asthmagens and Risk of Autism Spectrum Disorders in the Study to Explore Early Development. International Meeting For Autism Research. Atlanta, GA. 2014.
19. *(Invited)* **Daniels JL**. Autism Etiology: What we know and how to learn more. Centers for Disease Control and Prevention, Public Health Grand Rounds – Atlanta, GA - webcast. April 22, 2014
20. \*Rubenstein E, Rice CE, VanNaarden Braun K, Schieve LA, Durking MS, Christensen D, Bakian A V, Wiggins LD, **Daniels J**, King LB, Lee LC. Trends in ASD Co-Occurring Diagnoses in Autism and Developmental Disabilities Monitoring Network. International Meeting For Autism Research. Atlanta, GA. 2014.
21. \*Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. The sensitivity of length of pregnancy using clinical estimate of gestation versus last menstrual period: an example with particulate matter and preterm birth. Poster at the Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Boston, MA. 2013.
22. Kalkbrenner AE, Windham GC, Seere ML, Akita Y, Wang X, Thayer BP, **Daniels JL**. Exposure to ambient course particulate matter by gestational period and autism spectrum disorders in North Carolina and California. Society for Epidemiologic Research. Boston, MA. 2013.
23. \*Hoffman K, **Daniels JL**, Stapleton HM. Urinary Organophosphate Flame Retardant Measurements and Variability in North Carolina Pregnant Women. Brominated Flame Retardants Annual Meeting, San Diego, CA. 2013.
24. \*Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. Particulate matter, its elemental carbon fraction, and preterm birth. Poster at International Society for Environmental Epidemiology, Columbus, SC 2012
25. \*Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. Particulate matter and preterm birth. Poster at the Society for Epidemiologic Research, Montreal. 2012.
26. \*Kalkbrenner AE, Watkins SE, Hoffman K, Bell P, **Daniels JL**. Sensitivity of Autism Spectrum Disorder Prevalence Estimates to Private and Home School Enrollment and Denominator Choice in North Carolina. Poster at International Meeting for Autism Research, Toronto 2012.
27. DiGuseppi C, **Daniels J**, Fallin D, Rosenberg S, et al. Demographic Profile of Families and Children enrolled in the Study to Explore Early Development (SEED): A Case-control Study of Autism Spectrum Disorder. Poster at International Meeting for Autism Research. Toronto, 2012.
28. *(Invited)* **Daniels JL**. Trends in autism prevalence and the role of the environment. National Institute of Environmental Health Sciences. August 8, August 2011
29. *(Invited)* **Daniels JL**. Autism Trends: Rates and Research. May 19, 2011 TEACCH Annual Conference, NC
30. \*Hoffman K, Kalkbrenner AE, **Daniels JL**. Spatial Analysis of Autism Spectrum Disorders in Central North Carolina Using Generalized Additive Models. Society for Epidemiologic Research, Montreal, 2011
31. \*Kalkbrenner AE, **Daniels JL**, Poole C, Emch M. Residential Mobility of Children and the Potential for Control Selection Bias. Society for Epidemiologic Research, Montreal, 2011

32. \*Kalkbrenner AE, **Daniels JL**, Braun JM, Cunniff C, Durkin M, Lee LC, Nicholas JS, Pettygrove S. Maternal smoking during pregnancy and prevalence of autism spectrum disorders. International Meeting for Autism Research, 2010.
33. \*Keil A, **Daniels JL**, Hertz-Piocciotto. Prenatal Imidacloprid Exposure and Subsequent Diagnosis of Autism Spectrum Disorder in a California Case-Control Study. Prenatal Programming and Toxicology Annual Meeting, December 2009.
34. Daniels JL. PBDE Concentration in Human Milk, Sources of Variability, Infant Development & Growth. Environmental Protection Agency (and by webcast), (*Invited*) July 15, 2009.
35. \*Kalkbrenner AE, **Daniels JL**, Poole, C, Chen JC, Emch M, Morrissey J. Geographic Access to Health Services and Age at Autism Diagnosis. International Meeting for Autism Research, 2009.
36. Dickinson M, **Daniels J**, Horney J. Barriers to Contraceptive Use in Tasba-Pri, Nicaragua. Reproductive Health 2010, joint meeting of the Association of Reproductive Health Professionals, Planned Parenthood Federation of America, and Society of Family Planning.
37. \*Visness CM, **Daniels JL**, Kaufman JS, Yeatts K, London S, Siega-Riz AM, Zeldin DC. Childhood Obesity is Associated with Both Atopy and Current Asthma. American Academy of Allergy, Asthma, and Immunology Annual Meeting, March 13 -17, 2009, Washington, DC
38. \*Braun J, **Daniels JL**, Kalkbrenner A. The Effect of Prenatal Tobacco Smoke Exposure on Intellectual Disabilities Among 8-Year Old Children in Arkansas, Georgia, and North Carolina. 2008 Joint ISEE-ISEA Conference, Pasadena, CA, October, 2008.
39. The Study to Explore Early Development (SEED): a multi-site epidemiologic study by the Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) Network. International Meeting for Autism Research, London, UK. June 2008.
40. \*Pan IJ, **Daniels J**, Goldman BD, Herring AH, Siega-Riz AM. Lactational exposure to polychlorinated biphenyls, dichlorodiphenyldichloroethylene and infant development: An analysis of the PIN Babies Study. Society for Pediatric and Perinatal Epidemiology Annual Meeting. Chicago, IL. June 2008.
41. \*Cassell C, Meyer R, **Daniels J**. Health Care Costs Among Children with and without Orofacial Clefts in North Carolina. ACPA, 2008.
42. \*Cassell C, Meyer R, **Daniels JL**. Prioritizing a Research Agenda for Orofacial Clefts. Cleft Palate Craniofacial Journal, Volume 44, Number 4, July 2007.
43. **Daniels JL**, Forssen UM, Cnattingius S, Hultman CM, Feychting M, Savitz DA, Sparen S. Parental psychiatric disorders associated with autism. Society for Pediatric and Perinatal Epidemiology Annual Meeting. Boston, MA. June 2007.
44. \*Cassell CH, Meyer R, **Daniels JL**. Timeliness of services among children with orofacial clefts on Medicaid in NC, 1995-2002. American Public Health Association Annual Meeting 2007.
45. **Daniels JL**. Autism Trends: Rates and Research. Medical University of South Carolina. (*Invited*) April 16, 2007.
46. \*Cassell CH, Meyer R, Howell E, **Daniels JL**. Timeliness of Cleft Lip/Palate Surgery among Children with Orofacial Clefts. The American Cleft Palate-Craniofacial Annual Meeting. April 2007.
47. Thomas KC, McConville R, Ellis A, McLaurin C, **Daniels J**, Morrissey J. Mandates for insurance coverage of autism in the US. International Meeting for Autism Research. Seattle, WA, May 2007.
48. \*Kalkbrenner AE, **Daniels JL**, Lanphear BP. Cigarette smoking during pregnancy and mental retardation in the National Collaborative Perinatal Project. Poster presented at the 38<sup>th</sup> Annual Meeting of the Society for Epidemiologic Research. Toronto, Canada 2005.



49. **Daniels JL.** Fish Consumption and Reproductive and Developmental Outcomes 2005 National Forum on Contaminants in Fish. (*Invited*) September 2005. Baltimore, MD.
50. **Daniels JL.** Gizlice Z, Chowdhury N, Plescia M. Prevalence and Correlates of Childhood Overweight in North Carolina. Oral Presentation at the 11th Annual MCH EPI Conference, December 2005. Miami, FL.
51. Siega-Riz AM, Herring A, Savitz DA, and **Daniels J.** The effect of fish intake on delivering preterm. Presented at the Society for Perinatal and Pediatric Epidemiologic Research. Atlanta, Georgia. June 2003.
52. **Daniels JL,** Rowland AS, Longnecker MP, Cooke M, Golding J. Dental treatment, fish consumption, and mercury exposure during pregnancy in relation to child neurodevelopment. Oral presentation at the 35<sup>th</sup> Annual Meeting of the Society for Epidemiologic Research. Toronto, Canada. June 2002.
53. **Daniels JL,** Olshan AF, Teschke K, Hertz-Picciotto I, Savitz DA, Blatt J, Bondy ML, Neglia JP, Pollock BH, Cohn SL, Look AT, Seeger RC, Castleberry RP. Parental residential pesticide exposure and the risk of neuroblastoma. Poster presented at Annual Meeting of the Society for Epidemiologic Research. Seattle, WA. June 1999.

## RESEARCH SUPPORT

### Active Grants

|                               |                      |              |
|-------------------------------|----------------------|--------------|
| U01 DD001293-01 (PI: Daniels) | 7/1/2021 – 6/30/2026 | 2.4 calendar |
| CDC                           | \$2,434,729 direct   |              |

*Title: Component A: North Carolina - Advancing Developmental Research using SEED and SEED Follow-up data.* The project collects longitudinal data from families about children's health care access, lifestyle, medical and psychiatric history. This work is key to understanding the increased trajectory of ASD, modifying risk factors, health care needs, and improving children's outcomes.

|                           |                                |  |
|---------------------------|--------------------------------|--|
| T32HD054868 (PI: Daniels) | 4/01/2008-4/30/2023            |  |
| NICHD                     | \$296,069 annually for 5 years |  |

*Title: **Training Program in Reproductive, Perinatal, and Pediatric Epidemiology.***

This training program provides financial and intellectual support toward the academic and professional development of 5 doctoral trainees annually.

|                            |                    |               |
|----------------------------|--------------------|---------------|
| U01-DD001205 (PI: Daniels) | 07/01/16-06/30/21  | 1.92 calendar |
| CDC                        | \$3,771,000 direct |               |

**Title: Component A: NC Study to Explore Early Development Phase 3 (SEED 3)**

The project explores participating families' health care access, lifestyle, medical and psychiatric history. This work is key to understanding the increased prevalence of ASD, modifying risk factors, and improving children's outcomes.

|                           |                   |               |
|---------------------------|-------------------|---------------|
| U01DD001205 (PI: Daniels) | 07/01/16-06/30/21 | 1.80 calendar |
| CDC                       | \$973,904 direct  |               |

**Title: Component C: East Coast SEED 1 Follow-Up Study**

This work will 1) contribute genetic and phenotypic data to large national biorepositories that can accelerate understanding of ASD genetics, 2) assess the feasibility of longitudinal follow-up protocols for ASD, and 3) improve our understanding of ASD in adolescence and predict ASD patterns that may benefit from targeted interventions to improve outcomes for adolescents with ASD and their families.

UH3OD023348 (PIs: O'Shea & Fry, Co-I: Daniels) 09/21/16-08/30/23 0.60 calendar  
NIH \$3,507,034 direct

**Title: Environment, Epigenetics, Neurodevelopment & Health of Extremely Preterm Children**

To build on the success of the ELGAN Study by adding new information about: 1) environment exposures, 2) neurodevelopmental outcomes of study participants at 15 and 18 years of age, and 3) placental epigenetic variation, a mechanism that could link inflammation early in life to neurodevelopmental impairments.

R01HD092374 (PIs: O'Shea & Fry, Co-I: Daniels) 09/08/17-05/31/22 0.12 calendar  
NIH \$554,248 direct

**Title: Placental Sexual Epigenetic Dimorphism & Brain Dysfunction After Preterm Birth** This project will identify biomarkers in the placenta and neonate blood that predict fetal growth restriction and/or neurodevelopmental impairments among individuals born extremely prematurely (<28 weeks gestation). The research findings may inform the development of therapies to prevent or ameliorate cognitive disability in children.

**Completed Grants:**

U53 DD001175 (PI: Daniels) 01/01/15-12/31/19 0.24 calendar  
CDC \$1,866,348 direct

**Title: North Carolina Autism and Developmental Disabilities Monitoring Program**

The North Carolina Autism and Developmental Disabilities Monitoring Program has established a population based multiple sources surveillance system for autism and intellectual disability in North Carolina. This study monitors the prevalence of autism and mental retardation among 8-year olds in central NC.

T32HD052468 (PI: Daniels) 4/30/2013-4/29/2018 NICHD

*Title: Reproductive, Perinatal, and Pediatric Epidemiology Training Program*

This program supports the professional training of 5 doctoral students focused on reproductive, perinatal, and pediatric epidemiology through financial awards and academic enrichment.

R21ES023904 (PI: Daniels) 1.8 calendar 12/1/2014-11/30/2017  
NIEHS \$270,536 direct

*Title: Prenatal Exposure to Organophosphates and Associations with Child Growth*

This study investigates the association between maternal prenatal organophosphate flame retardant levels and child growth at 3 years of age in the PIN Kids study.

H6M-MC26248 (PI: Hooper, Co-I: Daniels) 0.36 calendar 09/01/13-08/31/16  
DHHS \$684,000 direct

*Title: NC State Implementation Grant for Improving Services for Children & Youth with ASD.*

The primary purposes of this project are to identify children with ASD by 24 months of age, and improve their access to a family-centered medical home and associated comprehensive and coordinated care.

U01-DD000749 (PI: Daniels) 4.0 calendar 07/01/11-06/30/16  
CDC \$3,499,592 direct

*Title: NC CADDRE: Study to Explore Early Development (SEED) Phase II*

The second phase of a multi-site case-control study of autism that investigates genetic and environmental factors associated with autism, as well as clinical correlates related to autism phenotype and development. -- in no cost extension through 6/40/2017

UR3 DD000687 (PI: Daniels) 2.4 calendar 6/01/10 –5/31/15  
CDC \$1,345,931 direct

*Title: North Carolina Autism and Developmental Disabilities Monitoring Program.*

This program conducts active surveillance for autism and intellectual disabilities in central NC and contributes to larger network that has estimated the prevalence and characteristics associated with autism spectrum disorder and intellectual disability in the US since 2000.

U10 DD000184 (PI: Daniels) 4 calendar 9/30/07-9/29/12  
CDC \$3,357,280 direct

*Title: North Carolina Center of Excellence for Autism and Developmental Disabilities Epidemiology*

This is the first phase of a multi-site case-control study investigating genetic and environmental factors associated with autism, as well as clinical correlates related to autism phenotype and development.

UR3DD000089 (PI: Daniels) 2.4 calendar 6/01/06 –5/31/11  
CDC \$951,594 direct

*Title: North Carolina Autism and Developmental Disabilities Monitoring Program.*

This program conducts active surveillance for autism and intellectual disabilities in central NC and contributes to larger network that has estimated the prevalence and characteristics associated with autism spectrum disorder and intellectual disability in the US since 2000.

RD-83273601 (PI: Daniels) 1.8 calendar 3/15/06-3/14/11  
EPA \$536,086 direct

*Title: Assessment of Perinatal PBDE Exposure and Related Child Behavioral and Cognitive Effects*

This study investigates the impact of perinatal exposure to PBDEs and other persistent organic pollutants on cognitive and behavioral development of children from birth to age three years.

U50/CCU422345 (Co-PI: Daniels, w/ Co-PI: Savitz) 2.4 calendar 9/30/02-9/29/07  
CDC \$2,121,540 direct

*Title: Center of Excellence for Autism and Developmental Disabilities Epidemiology*

This Center initiated the active surveillance for autism and intellectual disability in NC and designed the Study to Explore Early Development.

Pilot Grant (PI: Daniels) 10/07-10/08

UNC Center for Environmental Health & Susceptibility, NIEHS \$100,864 Total Award *Title:*

*Hazardous Air Pollutants and Autism*

Pilot Grant PI: (PI: Daniels) 4/15/04-4/15/05

UNC Center for Environmental Health & Susceptibility, NIEHS \$14,868 Total Award

*Title: PIN Pediatric Study*

Pilot Grant (PI: Daniels) 9/30/03 – 9/29/05

UNC Clinical Nutrition Research Center \$50,000 Total Award

*Title: PIN Pediatric Pilot Study*

Pilot Grant (PI: Daniels)  
UNC Program on Ethnicity, Culture, and Health Outcomes  
*Omega fatty acids during pregnancy and preterm birth.*

11/03-11/04  
\$14,868 Total Award *Title:*

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## TEACHING RECORD

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### **CLASSROOM INSTRUCTION**

EPID 992.001 – Applied Epidemiology - Integrated Learning Experience. Department of Epidemiology, University of North Carolina at Chapel Hill. (Lead Instructor 2021) ~ 12 students

EPID 725/726 – Research Planning and Epidemiology Research Methods. Department of Epidemiology, University of North Carolina at Chapel Hill. (Lead Instructor 2015-2019, Co-instructor: 2013-2014)  
~ Approximately 30 students on average

EPID 890 – MSPH Seminar, Department of Epidemiology, University of North Carolina at Chapel Hill. (Co-instructor: 2009, 2012, 2013)  
~ Approximately 10 students on average

EPID 350/853 - Advanced Topics in Perinatal & Pediatric Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (Instructor: 2004, 2006, 2013)  
~ Approximately 10 students on average

EPID 851 - Reproductive and Perinatal Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (Instructor: 2006-2011; Co-instructor: 2003-2006)  
~ Approximately 25 students on average

EPID 690 – Advanced Seminar in Pediatric Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (Instructor: 2009)  
~ 12 students on average

### **REGULAR GUEST LECTURES**

EPID 853 – Advanced Seminar in Reproductive Epidemiology, University of North Carolina at Chapel Hill (2008, 2010, 2016, 2018).

EPID 851 - Reproductive and Perinatal Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (2012-present).

EPID 785 - Environmental Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (2009, 2011, 2012, 2015, 2017, 2019).

MHCH 710 Foundations in Maternal and Child Health. University of North Carolina at Chapel Hill (2004-present).

PATH 726- Human Environmental Disease. University of North Carolina at Chapel Hill (2009-2015)

PCSC 890 Translational Research: Focus on Autism Spectrum Disorders. Department of Allied Health, University of North Carolina at Chapel Hill (2007, 2009, 2011, 2015).

## **INDIVIDUAL ADVISING/MENTORING**

### **STUDENT AWARDS**

Adrien Wilkie, Rebecca James Baker Scholarship in Epidemiology 2020

Eric Rubenstein, Dennis Weatherstone Predoctoral Training Fellowship, Autism Speaks 2016-2018

Stephanie Watkins, NC Impact Award 2012

Cynthia Cassel, Gregory Alexander Outstanding Student Paper Award, American Public Health Association, Maternal and Child Health Section Outstanding Student Author for 2007-2008.

I-Jen Pan, UNC Graduate School Dissertation Completion Award 2007-2008.

Amy Kalkbrenner, NC Impact Award 2008.

### **DIRECTION OF DOCTORAL RESEARCH (DEGREE PROGRAM, DEPARTMENT)**

Current Taniqua Ingol (PhD, EPID)

Current Adrien Wilkie (PhD, EPID)

Current Ginna Doss (PhD, EPID)

Current Deanna Caruso (PhD, EPID)

Current Yitian Zhang (PhD, EPID)

2018 Brett Doherty (PhD, EPID) Prenatal Exposure to Organophosphate Esters and Cognitive and Behavioral Development in Young Children.

2018 Laura McGuinn (PhD, EPID) Early Life Exposure to Air pollution and Autism Spectrum Disorder: Susceptible Time Windows and Populations.

2018 Devika Chawla (PhD, EPID) Cannabis Use and Reproductive Health: An Investigation of Temporal Patterns and Adverse Birth Outcomes.

2017 Christina Cordero (PhD, EPID) Perinatal complications (Gestational diabetes, hypertension, and jaundice) and Autism Spectrum Disorders

2017 Eric Rubenstein (PhD, EPID) Broader Autism Phenotype in Parents of Children with Autism Spectrum Disorder: Implications for the Diagnostic Process and Relationship to Child Autism Spectrum Disorders Phenotype.

2014 Elizabeth Jensen (PhD, EPID) Pharmacologic Sex Hormone Use Before and in Early Pregnancy in Relation to Offspring Anthropometric Outcomes

2013 Kristen Rappazzo (PhD, EPID) Exposure to particulate matter mass and species during pregnancy and risk of birth at preterm gestational ages

2012 Stephanie Watkins (PhD, EPID) Interventional Physical and Occupational Therapy Services and Motor Development among Low Birth Weight Infants

2012 Siobhan Colgan (PhD, EDUC) The influence of maternal stress on participation in Early Intervention.

- 2010 Margaret Adgent (PhD, EPID) Early Life Soy Exposure and Child Development: and assessment of language acquisition, play behavior, and time to menarche.
- 2009 Joseph Braun (PhD, EPID) Relationships between serum and meconium biomarkers of prenatal tobacco smoke exposure and their association with infant and early childhood growth.
- 2009 Anne Marie Jukic (PhD, EPID) Factors correlated with physical activity during pregnancy and associations of physical activity with spontaneous abortion, length of gestation, and birthweight.
- 2009 Sarah Keim (PhD, EPID) Long-chain polyunsaturated fatty acids in breast milk and infant formula, maternal perinatal mental health, and infant development.
- 2009 Amy Kalkbrenner (PhD, EPID) Geographic influences on autism diagnosis: Accessibility of Health Services and Exposure to hazardous Air Pollutants.
- 2008 I-Jen Pan (PhD, EPID) Polychlorinated Biphenyls, Dichlorodiphenyldichloro-ethylene, and Infant Development and Growth: An Analysis of the PIN Babies Study.
- 2008 Cynthia Visness (PhD, EPID) Association of Childhood Obesity with Atopic and Non-Atopic Asthma: Findings from the NHANES 1999-2006
- 2007 Cynthia Cassell (PhD, MHCH) Health Care Expenditures among Medicaid Enrolled Children with and without Orofacial Clefts in North Carolina, 1995-2002.

**DIRECTION OF POST-DOCTORAL TRAINING (INSTITUTION PRIOR TO POST-DOC, POSITION AFTER)**

- 2015-2017 Alison Singer, Ph.D. (PhD from Johns Hopkins University); Current position: UNC, NC Institute for Public Health
- 2011-2013 Kate Hoffman, Ph.D. (PhD from Boston University; Current position: Research Scientist, Duke University)
- 2009-2011 Amy Kalkbrenner, Ph.D. (PhD from UNC; Current position: Assistant Professor, University of Wisconsin)
- 2004-2008 Ulla Forssen, Ph.D. (PhD from Karolinska Institutet; Current position: Research Scientist, GlaxoSmithKline)

**DIRECTION OF MASTERS RESEARCH / FIRST READER (DEGREE, DEPARTMENT)**

- 2019 Ariana Stewart (MPH, MHCH) Neurodevelopmental Outcomes for Children Born Prior to 28 Weeks Gestation: Relationship to Indication for Preterm Delivery
- 2015 Devika Chawla (MSPH, EPID) Prenatal Vitamin D exposure and Autism Spectrum Disorders
- 2012 Andrea Trembeth (MSCR, EPID) Comparative effectiveness of three surfactant preparations in premature infants.
- 2010 Alex Keil (MSPH, EPID) Autism spectrum disorder, flea and tick medication, and exposure misclassification in the CHARGE (CHildhood Autism Risks from Genetics and Environment) Study.
- 2010 Mary Dickinson (MPH, MHCH) Access to contraceptive health care in Nicaragua.
- 2008 Elizabeth Roberts (MPH, MHCH) Physician advising practices regarding breastfeeding.
- 2007 Joseph Braun (MSPH, EPID) Association of Environmental Toxicants and Conduct Disorder in U.S. Children: NHANES 2001-2004.
- 2005 Manali Patel (MPH, MHCH) Lay health education to improve women's hygiene practices in Honduras

- 2005 Ayaba Woriloh (MPH, MHCH) Post Traumatic Stress among Women Veterans
- 2004 Molly Aldridge (MPH, MHCH) Mammograms and health care access among US Hispanic and Non-Hispanic women over age 40 years.
- 2004 Lindsey Kampmeiner (MPH, MHCH) Maternal decision-making about pain management during labor and delivery.

**MEMBER OF DOCTORAL DISSERTATION COMMITTEE (DEPARTMENT, GRADUATION YEAR)**

|                                |  |
|--------------------------------|--|
| Lauren Grabill (EPID)          | Fernanda, Costa de Queirós (MHCH 2012) |
| Elizabeth Kamai (EPID current) | Nathan Nickel (MHCH 2012)              |
| Meghan Berry (MHCH current)    | Tania DesRosiers (EPID 2011)           |
| Giehae Choi (EPID 2020)        | Jennifer Griffin (EPID 2011)           |
| Chris Gray (EPID 2017)         | Meghan Slining (NUTR 2010)             |
| Alan Kinlaw (EPID 2016)        | Andrea Dierlein (NUTR 2010)            |
| Melissa Furlong (EPID 2016)    | Susan Marshall Mason (EPID 2009)       |
| Jared Parrish (EPID 2016)      | Nghia Nguyen (EPID 2009)               |
| Chantel Martin (EPID 2015)     | Sunni Mumford (EPID 2009)              |
| McClellan Pollock (MHCH 2015)  | Ronna Chan (MHCH 2008)                 |
| Jessie Buckley (EPID 2014)     | Phuong-Thao Vo (EPID 2007)             |
| Christine Tucker (MHCH 2014)   | Kristen Krucera (EPID 2006)            |
| Kylee Miller (EDUC 2013)       | Melissa Daniels (NUTR 2006)            |
| Alane Murdock (MHCH 2013)      | Kim Cobb (MHCH 2006)                   |
| Jeanette Stingone (EPID 2013)  | Keele Werst (EPID 2005)                |
| Anne Starling (EPID 2013)      | M. Rosalba Martinez (EPID 2004)        |

**SECOND READER OF MASTERS THESIS- (DEPARTMENT, GRADUATION YEAR)**

|                                  |                             |
|----------------------------------|-----------------------------|
| Amanda Tapia (BIOS 2015)         | Brett Doherty (EPID 2015)   |
| Erica Browne (BIOS 2013)         | Rebecca Swann (MHCH 2008)   |
| Stephanie Saddlemire (EPID 2005) | Elizabeth Blumm (EPID 2004) |
| Erin McCall (EPID 2004)          | Diana Frick (MHCH 2003)     |