

CURRICULUM VITAE

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JULIE L. DANIELS, MPH, PHD

BUSINESS

Department of Epidemiology, CB#7435
Gillings School of Global Public Health
University of North Carolina
Chapel Hill, NC 27599-7435
Phone: (919) 966-7096
juliedaniels@unc.edu

EDUCATION

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

PROFESSIONAL EXPERIENCE

2009-Present Associate 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
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

PROFESSIONAL SERVICE ACTIVITIES

NATIONAL & INTERNATIONAL SERVICE

2015-present External Advisory Committee Member for the Center for Children's Environmental Health, MIND Institute, University of California, Davis.
2013-present Department of Defense/ U.S. Army Medical Research and Material Command-Autism Research Program Panel (Council Member)
2013-present International Society for Autism Research Annual Meeting – Abstract Reviewer
2011-present Associate Editor, Environmental Health Perspectives
2015 External Advisory Review Committee Member for the Maternal-Infant Research on Environmental Chemicals (MIREC) program – Canada.

2015	NIH - NIEHS K99R00 Study Section, Ad Hoc Reviewer
2015	SPER/Society for Pediatric and Perinatal Epidemiology – Reviewer for Student Prize Paper
2014, 2015	NIH - Developmental Brain Disorders Study Section, Ad Hoc Reviewer
2014	International Meeting for Autism Research, Reviewer for Epidemiology Section
2013, 2014	Autism Speaks Dennis Weatherstone Fellowship - Reviewer
2012-2014	New Jersey Governor's Council for Medical Research and Treatment of Autism, New Jersey Department of Health (Reviewer)
2013	IACC Strategic Plan Workshop and Planning Group Member
2009-2011	Editorial Board, Environmental Health Perspectives
2010	NIH Fogarty International Research Collaboration Behavioral & Social Sciences Award and Global Health Research Initiative Program, Reviewer - Special Section
2010	SER Student Workshop Application Review Committee, Abstract Reviewer
2010	NIH - Infection, Reproductive, Asthma and Pulmonary Conditions Study Section. Ad Hoc Reviewer
2008-2010	Autism Speaks – Environmental and Autism Review Board
2007-2010	HRSA - Maternal and Child Health Research Program, Regular Reviewer
2008	NIH - NIEHS Superfund Basic Research Program Special Section, Reviewer
2002, 2008	Society for Pediatric and Perinatal Epidemiology Research Annual Meeting, Session Moderator
2007	Department of Defense/ U.S. Army Medical Research and Material Command- Autism Research Program Panel, Reviewer
2007	NIH – NIEHS Discover Program Project - Special Study Section, Reviewer
2006	NIEHS – Expert Panel Member, Use of the Vaccine Safety Data-link (VSD) to assess time trends in autism: feasibility and study design considerations.
2004-2006	North Carolina Department of Health and Human Services - Child Health and Development Survey (CHAMPS) development committee

NORTH CAROLINA, UNIVERSITY, & DEPARTMENTAL SERVICE

2015-present	Department of Epidemiology Admissions Committee
2013-present	Co-Director, UNC Reproductive, Perinatal, Pediatric Epidemiology Training Program - T32 sponsored by NICHD
2012-present	Department of Epidemiology Diversity Committee
2011-present	North Carolina Autism Alliance
2002-Present	Department of Epidemiology Reproductive Epidemiology Qualifying Examiner
2002-Present	Department of Maternal & Child Health, Examiner - Masters Comprehensive Exam and Qualifying Exam for MHCH PhD students with Epidemiology minor
2012, '15, '16	SPH Chair/Center Director Review Committee member
2009, 2016	UNC Gillings School of Global Public Health Pilot Grant Review
2011-2015	UNC Internal Review Board member
2006-2011	Department of Epidemiology Graduate Studies Committee
2003-2006	Department of Epidemiology Admissions Committee
2004, 2007	Department of Epidemiology Methods Qualifying Examiner

JOURNAL REFERRING

Autism Research

American Journal of Epidemiology

Annals of Epidemiology

British Medical Journal

Environmental Health Perspectives

Environmental Research

Epidemiology

Journal of Neurodevelopmental Disorders

Journal of Autism Developmental Disorders

JAMA Pediatrics

Pediatrics

Paediatric and Perinatal Epidemiology

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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.

ARTICLES IN PEER-REVIEWED JOURNALS

1. 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 [Epub ahead of print] PMID: 26848932
2. *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. [Epub ahead of print] PMID: 27153456
3. 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
4. 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
5. 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 [Epub ahead of print] PMID: 26917104
6. 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. Epub 2015 Aug 25 PMID: 26308089
7. 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

8. 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.
9. 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
10. *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
11. *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
12. *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
13. 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
14. *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
15. *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
16. 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
17. 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
18. *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
19. *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
20. 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

21. *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
22. *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
23. *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
24. *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
25. *Trembath A, Hornik CP, Clark R, Smith B, **Daniels J**, Laughon M. Comparative Effectiveness of Three Surfactant Preparations in Premature Infants. *J Pediatr.* 2013 Oct;163(4):955-60. PMID: 23769501
26. *Watkins SE, Jonsson-Funk M, Brookhart MA, Rosenberg SA, O'Shea MD TM, **Daniels JL** An empirical comparison of tree-based methods for propensity score estimation. *Health Serv Res* 2013 Oct;48(5):1798-817. PMID: 23701015
27. Sasson NJ, Lam KS, Parlier M, **Daniels JL**, Piven J. Autism and the broad autism phenotype: familial patterns and intergenerational transmission. *J Neurodev Disord.* 2013 May 2;5(1):11. PMID: 23639131.
28. Sasson NJ, Lam KS, Childress D, Parlier M, **Daniels JL**, Piven J. The Broad Autism Phenotype Questionnaire: Prevalence and Diagnostic Classification. *Autism Res.* 2013 Apr;6(2):134-43. PMID: 23427091.
29. Nickel NC, Labbok MH, Hudgens MG, **Daniels JL**. The Extent that Noncompliance with the Ten Steps to Successful Breastfeeding Influences Breastfeeding Duration. *J Hum Lact.* 2013 Feb;29(1):59-70. PMID: 23197591
30. *Hoffman K, Kalkbrenner AE, Vieira VM, **Daniels JL**. The spatial distribution of known predictors of autism spectrum disorders impacts geographic variability in prevalence in central North Carolina. *Environ Health.* 2012 Oct 31;11:80. PMID: 23113973
31. *Hoffman K, Adgent M, Goldman BD, Sjödin A, **Daniels JL**. Lactational exposure to polybrominated diphenyl ethers and its relation to social and emotional development among toddlers. *Environ Health Perspect.* 2012 Oct;120(10):1438-42. PMID: 22814209
32. Nguyen NC, Evenson KR, Savitz DA, Chu H, Thorp JM, **Daniels JL**. Physical activity and maternal-fetal circulation measured by Doppler ultrasound. *J Perinatol.* 2013 Feb;33(2):87-93 PMID: 22678142
33. *Kalkbrenner AE, Braun JM, Durkin MS, Maenner MJ, Cunniff C, Lee LC, Pettygrove S, Nicholas JS, **Daniels JL**. Maternal smoking during pregnancy and the prevalence of autism spectrum disorders, using data from the autism and developmental disabilities monitoring network. *Environ Health Perspect.* 2012 Jul;120(7):1042-8. PMID: 22534110
34. Autism and Developmental Disabilities Monitoring (ADDM) Network, Prevalence of Autism Spectrum Disorders — Autism and Developmental Disabilities Monitoring Network, 14 Sites, United States, 2008. *Morbidity and Mortality Weekly Report, Surveillance Summaries* March 30, 2012 / 61(SS03);1-19. PMID:22456193

35. *Jukic AM, Evenson KR, **Daniels JL**, Herring AH, Hartmann KE, Wilcox AJ. Correlates of physical activity at two time points during pregnancy. *J Phys Act Health* 2012;9(3):325-35. PMID: 22454434
36. Desrosiers TA, Lawson CC, Meyer RE, Richardson DB, **Daniels JL**, Waters MA, van Wijngaarden E, Langlois PH, Romitti PA, Correa A, Olshan A; and the National Birth Defects Prevention Study. Maternal occupational exposure to organic solvents during early pregnancy and risks of neural tube defects and orofacial clefts. *Occup Environ Med*. 2012 Jul;69(7):493-9. PMID: 22447643
37. *Adgent MA, **Daniels JL**, Rogan WJ, Adair L, Edwards LJ, Westreich D, Maisonet M, Marcus M. Early-life soy exposure and age at menarche. *Paediatr Perinat Epidemiol*. 2012 Mar;26(2):163-75. PMID: 22324503
38. Deierlein AL, Siega-Riz AM, Herring AH, Adair LS, **Daniels JL**. Gestational weight gain and predicted changes in offspring anthropometrics between early infancy and 3 years. *Pediatr Obes*. 2012 Apr;7(2):134-42. PMID: 22434753
39. *Jukic AM, Evenson KR, **Daniels JL**, Herring AH, Hartmann KE, Wilcox AJ. A Prospective Study of the Association Between Vigorous Physical Activity During Pregnancy and Length of Gestation and Birthweight. *Matern Child Health J*. 2012 Jul;16(5):1031-44. PMID: 21674218
40. Schendel DE, Diguseppi C, Croen LA, Fallin MD, Reed PL, Schieve LA, Wiggins LD, **Daniels J**, Grether J, Levy SE, Miller L, Newschaffer C, Pinto-Martin J, Robinson C, Windham GC, Alexander A, Aylsworth AS, Bernal P, Bonner JD, Blaskey L, Bradley C, Collins J, Ferretti CJ, Farzadegan H, Giarelli E, Harvey M, Hepburn S, Herr M, Kaparich K, Landa R, Lee LC, Levenseller B, Meyerer S, Rahbar MH, Ratchford A, Reynolds A, Rosenberg S, Rusyniak J, Shapira SK, Smith K, Souders M, Thompson PA, Young L, Yeargin-Allsopp M. The Study to Explore Early Development (SEED): A Multisite Epidemiologic Study of Autism by the Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) Network. *J Autism Dev Disord*. 2012 Oct;42(10):2121-40. PMID: 22350336
41. *Keim SA, **Daniels JL**, Siega-Riz AM, Herring AH, Dole N, Scheidt PC. Breastfeeding and long-chain polyunsaturated fatty acid intake in the first 4 post-natal months and infant cognitive development: an observational study. *Matern Child Nutr*. 2012 Oct;8(4):471-82. PMID: 21615865
42. *Keim SA, **Daniels JL**, Siega-Riz AM, Dole N, Herring AH, Scheidt PC. Depressive Symptoms during Pregnancy and the Concentration of Fatty Acids in Breast Milk. *J Hum Lact*. 2012 May; 28(2):189-95. Epub 2012 Jan 4. PMID: 22223516
43. *Adgent M, **Daniels JL**, Edwards L, Siega-Riz AM, Rogan WJ. Early Life Soy Exposure and Gender-Role Play Behavior in Children. *Environ Health Perspect*. 2011;119(12):1811-6. PMID: 21813368
44. Engel SM, **Daniels JL**. On the complex relationship between genes and environment in the etiology of autism. *Epidemiology*. 2011 Jul;22(4):486-8. PMID: 21642774
45. Mason SM, Kaufman JS, **Daniels JL**, Emch ME, Hogan VK, Savitz DA. Black preterm birth risk in nonblack neighborhoods: effects of Hispanic, Asian, and non-Hispanic white ethnic densities. *Ann Epidemiol*. 2011 Aug;21(8):631-8. PMID:21737050
46. Mason SM, Kaufman JS, **Daniels JL**, Emch ME, Hogan VK, Savitz DA. Neighborhood Ethnic Density and Preterm Birth across Seven Ethnic Groups in New York City. *Health Place*. 2011;17(1):280-288. PMID: 21130677
47. *Keim SA, **Daniels JL**, Dole N, Herring A, Siega-Riz AM, Scheidt PC. A prospective study of maternal anxiety, perceived stress, and depressive symptoms in relation to infant cognitive development. *Early Hum Dev*. 2011 May;87(5):373-80. PMID: 21420261

48. *Kalkbrenner AE, **Daniels JL**, Emch M, Morrissey J, Poole C, Chen JC. Geographic Access to Health Services and Autism Diagnosis. *Annals Epidemiol.* 2011;21(45):304-310. PMID: 21376278
49. Mumford SL, Schisterman EF, Siega-Riz AM, Gaskins AJ, Steiner AZ, **Daniels JL**, Olshan AF, Hediger ML, Hovey K, Wactawski-Wende J, Trevisan M, Bloom MS. Cholesterol, endocrine and metabolic disturbances in sporadic anovulatory women with regular menstruation. *Hum Reprod.* 2011 Feb;26(2):423-30. PMID: 21115506
50. **Daniels JL**, Pan IJ, Jones R, Anderson S, Patterson DG, Needham LL, Sjödin A. Individual Characteristics Associated with PBDE Levels in U.S. Human Milk Samples. *Environ Health Perspect.* 2010 Jan;118(1):155-60. PMID: 20056574
51. *Pan IJ, **Daniels JL**, Zhu K. Poverty and childhood cancer incidence in the United States. *Cancer Causes Control.* 2010 May;24(3):262-71. PMID: 20198506
52. *Pan IJ, **Daniels JL**, Herring AH, Rogan WJ, Siega-Riz AM, Goldman BD, Sjödin A. Lactational Exposure to Polychlorinated Biphenyls, Dichlorodiphenyltrichloroethane, and Dichlorodiphenyldichloroethylene and Infant Growth: An Analysis of the Pregnancy, Infection, and Nutrition Babies Study. *Paediatr Perinat Epidemiol* 2010;24:262-271. PMID: 20415756
53. *Kalkbrenner AE, **Daniels JL**, Emch M, Chen JC, Poole C, Morrissey J. Perinatal Exposure to Hazardous Air Pollutants and Autism at Age 8. *Epidemiol.* 2010 Sep;21(5):631-41. PMID: 20562626
54. *Visness CM, London SJ, **Daniels JL**, Kaufman JS, Yeatts KB, Siega-Riz AM, Calatroni A, Zeldin DC. Association of childhood obesity with atopic and non-atopic asthma: results from the National Health and Nutrition Examination Survey 1999-2006. *J Asthma.* 2010 Sep;47(7):822-9. PMID: 20707763
55. Mumford SL, Schisterman EF, Siega-Riz AM, Browne RW, Gaskins AJ, Trevisan M, Steiner AZ, **Daniels JL**, Zhang C, Perkins NJ, Wactawski-Wende J. A longitudinal study of serum lipoproteins in relation to endogenous reproductive hormones during the menstrual cycle: findings from the BioCycle study. *J Clin Endocrinol Metab.* 2010 Sep;95(9):E80-5. PMID: 20534764
56. Chan RL, Olshan AF, Savitz DA, Herring AH, **Daniels JL**, Peterson HB, Martin SL. Severity and duration of early pregnancy symptoms and spontaneous abortion. *Human Reproduction* 2010;Nov;25(11):2907-12. PMID: 20861299
57. *Braun JM, **Daniels JL**, Poole C, Olshan AF, Hornung R, Bernert JT, Xia Y, Bearer C, Boyd Barr D, Lanphear BP. A prospective cohort study of biomarkers of prenatal tobacco smoke exposure: the correlation between serum and meconium and their association with infant birth weight. *Environ Health.* 2010 Aug 27;9:53. PMID: 20799929
58. *Keil A, **Daniels JL**, Forssen U, Hultman C, Cnattingius S, Söderberg KC, Feychting M, Sørensen P. Parental Autoimmune Diseases Associated With Autism Spectrum Disorders in Offspring. *Epidemiology.* 2010;21(6):805-8. PMID: 20798635
59. *Braun JM, **Daniels JL**, Poole C, Olshan AF, Hornung R, Bernert JT, Khoury J, Needham LL, Barr DB, Lanphear BP. Prenatal environmental tobacco smoke exposure and early childhood body mass index. *Paediatr Perinat Epidemiol.* 2010 Nov;24(6):524-34. PMID: 20955230
60. Chan RL, Olshan AF, Savitz DA, Herring AH, **Daniels JL**, Peterson HB, Martin SL. Maternal Influences on Nausea and Vomiting in Early Pregnancy. *Matern Child Health J.* 2011 Jan;15(1):122-7. PMID: 20012346
61. *Visness CM, London SJ, **Daniels JL**, Kaufman JS, Yeatts KB, Siega-Riz AM, Liu AH, Calatroni A, Zeldin DC. Association of Obesity with IgE and Allergy Symptoms in Children and Adolescents Results from the National Health and Nutrition Examination Survey 2005-2006. *J Allergy Clin Immunol* 2009;123(5):1163-1169. PMID: 20707763.

62. *Pan I, **Daniels JL**, Goldman BD, Herring AH, Siega-Riz AM, Rogan WJ. Lactational Exposure to Polychlorinated Biphenyls, Dichlorodiphenyltrichloroethane, and Dichlorodiphenyldichloroethylene and Infant Neurodevelopment: An Analysis of the Pregnancy, Infections, and Nutrition Babies Study. *Environ Health Perspect.* 2009 March;117(3):488-94. PMID: 19337527
63. Kucera KL, Mirka GA, Loomis D, Marshall SW, Lipscomb HJ, **Daniels JL**, Ergonomic risk factors for low back pain in North Carolina crab pot and gill net commercial fisherman. *Amer J Ind Med* 2009 Jan;52(4):311-21. PMID: 19148898
64. Mandell DS, Wiggins LD, Carpenter LA, **Daniels J**, DiGuseppi C, Durkin MS, Giarelli E, Morrier MJ, Nicholas JS, Pinto-Martin JA, Shattuck PT, Thomas KC, Yeargin-Allsopp M, Kirby RS. Racial/ethnic disparities in the identification of children with autism spectrum disorders. *Am J Public Health.* 2009 Mar;99(3):493-8. PMID: 19106426
65. *Cassell C, **Daniels J**, Meyer R. Timeliness of Primary Cleft Lip/Palate Surgery Among Children with Orofacial Clefts in North Carolina, 1995-2002. *Cleft Palate Craniofacial J.* 2009;Nov;46(6):588-97. PMID: 19860509
66. *Braun JM, **Daniels JL**, Kalkbrenner A, Zimmerman J, Nicholas JS. The effect of maternal smoking during pregnancy on intellectual disabilities among 8-year-old children. *Paediatr Perinat Epidemiol.* 2009 Sep;23(5):482-91. PMID: 19689499
67. Autism and Developmental Disabilities Monitoring (ADDM) Network, Surveillance Year 2006 Principal Investigators; Centers for Disease Control and Prevention (CDC). Prevalence of autism spectrum disorders - Autism and Developmental Disabilities Monitoring Network, United States, 2006. *MMWR Surveill Summ.* 2009 Dec 18;58(10):1-20. PMID: 20023608
68. Van Naarden Braun K, Schieve L, **Daniels J**, Durkin M, Giarelli E, Kirby RS, Lee L, Newschaffer C, Nicholas J, Pinto-Martin J. Relationships between multiple births and autism spectrum disorders, cerebral palsy, and intellectual disabilities: Autism and Developmental Disabilities Monitoring (ADDM) Network—2002 Surveillance Year. *Autism Res.* 2008 Oct;1(5):266-74.
69. Durkin MS, Maenner MJ, Newschaffer CJ, Lee L, Cunniff CM, **Daniels JL**, Kirby RS, Leavitt L, Miller L, Zahorodny W, Schieve LA. Advanced paternal age and the risk of autism spectrum disorder. *Amer J Epidemiol.* 2008;168(11):1268-76.
70. *Cassell C, **Daniels J**, Meyer R. Health Care Expenditures among Medicaid Enrolled Children with and without Orofacial Clefts in North Carolina, 1995-2002. *Birth Defects Research A. Clin Mol Teratol.* 2008 (82);785-594.
71. Vo T, Gladen B, Cooper G, Baird D, **Daniels JL**, Gammon M, Richardson DB. Dichlorodiphenyldichloroethane (DDE) and polychlorinated biphenyls (PCBs): intra-individual changes, correlations and predictors. *Cancer Epidemiol Biomarkers Prev.* 2008 Oct;17(10):2729-36.
72. *Braun JT, Froehlich T, **Daniels JL**, Dietrich KM, Hornung R, Auinger P, Lanphear BP. Association of Environmental Toxicants and Conduct Disorder in U.S. Children: NHANES 2001-2004. *Environ Health Perspect.* 2008 Jul;116(7):956-62. PMID 18629321
73. Baker AM, Braun JM, Salafia CM, Herring AH, **Daniels J**, Rankins N, Thorp JM. Risk factors for uteroplacental vascular compromise and inflammation. *Am J Obstet Gynecol* 2008;199(3):256.e1-9. PMID: 18771974
74. **Daniels JL**, Pan I, Olshan AF, Breslow NE, Bunin G, Ross JA. Obstetric history and birth characteristics and Wilms Tumor. *Cancer Causes & Control* 2008;19:1103-10.
75. **Daniels JL**, Forssen U, Hultman CM, Cnattingius S, Feychting M, Savitz DA, Soren P. Parental Psychiatric Disorders Associated with Autism Spectrum Disorders in the Offspring. *Pediatrics* 2008 May;121(5):e1357-62.

76. Kucera KL, Mirka GA, Loomis D, Marshall SW, Lipscomb HJ, **Daniels J**. Evaluating ergonomic stresses in North Carolina commercial crab pot and gill net fishermen. *J Occup Environ Hyg*. 2008;5(3):182-96.
77. **Daniels JL**, Rowland AS, Longnecker MP, Crawford P, Golding J. Maternal dental history and children's early cognitive development. *Paediatr Perinat Epidemiol*. 2007 Sep;21(5):448-457
78. Thomas KC, Ellis AR, McLaurin C, **Daniels JL**, Morrissey JP. Access to Care for Autism-Related Services. *J Autism Dev Disord*. 2007;37:1902-12.
79. Newschaffer CJ, Croen LA, **Daniels J**, Giarelli E, Grether JK, Levy SE, Mandell DS, Miller LA, Pinto-Martin J, Reaven J, Reynolds AM, Rice CE, Schendel D, Windham GC. The epidemiology of autism spectrum disorders. *Annu Rev Public Health*. 2007;28:235-58.
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81. Autism and Developmental Disabilities Monitoring (ADDM) Network, Prevalence of the Autism Spectrum Disorders (ASDs) in the United States: A Multisite Collaboration in Fourteen Areas. *MMWR* –February 9, 2007.
82. Cooney MA, **Daniels JL**, Ross JA, Breslow NE, Pollock BH, Olshan AF. Household pesticides and the risk of Wilms Tumor. *Environ Health Perspect*. 2007;115(1):134-7.
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85. Blum EC, **Daniels JL**, Olshan AF. Maternal Use of Recreational Drugs and Neuroblastoma in Offspring. *Cancer Causes & Control* 2006;17:663-669.
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88. *Aldridge M, **Daniels JL**, Jukic AM. Mammograms and health care access among US Hispanic and Non-Hispanic women over age 40 years. *Fam Community Health*. 2006;29:80-8.
89. McCall E, Olshan AF, **Daniels JL**. Maternal Hair Dye Use and Risk of Neuroblastoma in Offspring. *Cancer Causes and Control*. 2005;16(6):743-8.
90. Vupputuri S, Longnecker MP, Guo X, **Daniels JL**, Sandler DP. Blood mercury level and blood pressure among US Women: Results from the National Health and Nutrition Examination Survey, 1999-2000. *Environ Res*. 2005;97:194-9.
91. **Daniels JL**, Longnecker MP, Rowland AS, Golding J. Fish intake during pregnancy and early cognitive development of offspring. *Epidemiology*. 2004 Jul;15(4):394-402.
92. **Daniels JL**, Longnecker MP, Klebanoff MA, Gray KA, Brock JW, Zhou H, Chen Z, Needham LL. Prenatal exposure to low-level polychlorinated biphenyls in relation to mental and motor development at 8 months. *Am J Epidemiol*. 2003;157(6):485-92.
93. **Daniels JL**, Olshan AF, Pollock BH, Stram D, Shah NR. Breastfeeding and neuroblastoma. *Cancer Causes Control* 2002;13(5):401-5.
94. Teschke K, Olshan AF, **Daniels JL**, DeRoos A, Vaughan TL. Occupational exposure assessment in case-control studies: Opportunities for improvement. *Occup Environ Med* 2002;59(9):575-93.

95. Longnecker MP, **Daniels JL**. Environmental contaminants as etiologic factors for diabetes. *Environ Health Perspect Suppl* 2001;109:871-876.
96. **Daniels JL**, Olshan AF, Teschke K, Hertz-Picciotto I, Savitz DA. Comparison of exposure assessment methods for pesticides in a case-control interview study. *Am J Epidemiol* 2001;153:1227-1232.
97. **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. Residential pesticide exposure and neuroblastoma. *Epidemiology* 2001;12(1)20-27.
98. Waller AE, **Daniels JL**, Weaver NL, Robinson P. Jockey injuries in the United States. *JAMA* 2000;283:1326-1328.
99. Olshan AF, **Daniels JL**. Invited commentary: Pesticides and childhood cancer. *Am J Epidemiol* 2000;151:647-649.
100. **Daniels JL**, Olshan AF, Savitz DA. Pesticides and childhood cancer. *Environ Health Perspect* 1997;105(10):1068-1077.

ORAL AND POSTER PRESENTATIONS

1. *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 at the *International Meeting for Autism Research*, Baltimore, MD. May 2016.
2. (Invited) **Daniels JL**. Autism Epidemiology: Trends in Prevalence and Population-Based Research. Investigator Forum - Carolina Institute for Developmental Disabilities. December 8, 2015.
3. **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.
4. *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.
5. 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 at the International Meeting for Autism Research. Salt Lake City, UT. 2015
6. (Invited) **Daniels JL**. The Epidemiology of Autism. Community Forum - Carolina Institute for Developmental Disabilities. December 10, 2014.
7. Tucker D, Ruppenkamp J, Berrien K, Menard K, Herring A, **Daniels J**, Rowley D, and Halpern CT. Predicting preterm birth among participants of North Carolina's Pregnancy Medical Home Program. American Public Health Association Annual Meeting 2014.
8. *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.
9. 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.

10. *(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
11. *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.
12. *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.
13. 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.
14. *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.
15. *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
16. *Rappazzo KM, **Daniels JL**, Messer LC, Poole C, Lobdell DT. Particulate matter and preterm birth. Poster at the Society for Epidemiologic Research, Montreal. 2012.
17. *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.
18. 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.
19. *(Invited)* **Daniels JL**. Trends in autism prevalence and the role of the environment. National Institute of Environmental Health Sciences. August 8, August 2011
20. *(Invited)* **Daniels JL**. Autism Trends: Rates and Research. May 19, 2011 TEACCH Annual Conference, NC
21. *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
22. *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
23. Desrosiers TA, Lawson CC, Meyer RE, Richardson DB, **Daniels JL**, Waters MA, van Wijngaarden E, Langlois PH, Romitti PA, Correa A, Olshan AF and the National Birth Defects Prevention Study. Maternal occupational exposure to organic solvents and selected congenital anomalies. Poster at Society for Pediatric and Perinatal Epidemiology, 2012
24. *Kalkbrenner AE, **Daniels JL**, Braun JM, Cuniff 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.

25. *Keil A, **Daniels JL**, Hertz-Pioccio. Prenatal Imidacloprid Exposure and Subsequent Diagnosis of Autism Spectrum Disorder in a California Case-Control Study. Prenatal Programming and Toxicology Annual Meeting, December 2009.
26. *(Invited)* Daniels JL. PBDE Concentration in Human Milk, Sources of Variability, Infant Development & Growth. Environmental Protection Agency (and by webcast), July 15, 2009.
27. *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.
28. 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.
29. *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
30. *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.
31. 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.
32. *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.
33. *Cassell C, Meyer R, **Daniels J**. Health Care Costs Among Children with and without Orofacial Clefts in North Carolina. ACPA, 2008.
34. *Cassell C, Meyer R, **Daniels JL**. Prioritizing a Research Agenda for Orofacial Clefts. Cleft Palate Craniofacial Journal, Volume 44, Number 4, July 2007.
35. **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.
36. *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.
37. *(Invited)* **Daniels JL**. Autism Trends: Rates and Research. Medical University of South Carolina. April 16, 2007.
38. *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.
39. 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.
40. *Kalkbrenner AE, **Daniels JL**, Lanphear BP. Cigarette smoking during pregnancy and mental retardation in the National Collaborative Perinatal Project. Poster presented at the 38th Annual Meeting of the Society for Epidemiologic Research. Toronto, Canada 2005.

41. *(Invited)* **Daniels JL**. Fish Consumption and Reproductive and Developmental Outcomes 2005 National Forum on Contaminants in Fish. September 2005. Baltimore, MD.
42. **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.
43. 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.
44. **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 35th Annual Meeting of the Society for Epidemiologic Research. Toronto, Canada. June 2002.
45. **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

DD16-001 (PI: JL Daniels) 2.4 calendar 07/01/16-06/30/21
 CDC \$3,771,000 estimated direct over 5 years

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

This award covers two components of the project. Component A is SEED 3, which is a continuation of a multi-site case control study of the causes and correlates of autism spectrum disorder. 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. Component C is a longitudinal follow-up of SEED Phase 1 participants. 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.

U53DD001175 (PI: JL Daniels) 2.4 calendar 1/1/2015-12/31/2019
 CDC \$1,866,348 estimated direct over 4 years

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.

R21ES023904 (PI: JL Daniels) 1.8 calendar 12/1/2014-11/30/2016
 NIEHS \$270,536 estimated direct over 2 years

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 JL Daniels) 0.36 calendar 09/01/13-08/31/16
DHHS \$684,000 estimated direct over 3 years
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: JL Daniels) 4.0 calendar 07/01/11-06/30/16
CDC \$3,499,592 estimated direct over 4 years
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

Completed Grants:

UR3 DD000687 (PI: JL Daniels) 2.4 calendar 6/01/10 –5/31/15
CDC \$1,345,931 estimated direct over 5 years
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.
Total (direct & indirect) Years 1-4

U10 DD000184 (PI: JL Daniels) 4 calendar 9/30/07-9/29/12
CDC \$3,357,280 estimated direct over 4 years
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: JL Daniels) 2.4 calendar 6/01/06 –5/31/11
CDC \$951,594 estimated direct over 4 years
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.
Total (direct & indirect) Years 1-4: \$1,321,659

RD-83273601 (PI: JL Daniels) 1.8 calendar 3/15/06-3/14/11
EPA \$536,086 estimated direct over 4 Years
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: JL Daniels, w/ Co-PI: Savitz) 2.4 calendar 9/30/02-9/29/07
CDC \$2,121,540 estimated direct over 5 Years
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: JL Daniels) UNC Center for Environmental Health & Susceptibility, NIEHS <i>Title: Hazardous Air Pollutants and Autism</i>	10/07-10/08 \$100,864 Total Award
Pilot Grant PI: (JL Daniels) UNC Center for Environmental Health & Susceptibility, NIEHS <i>Title: PIN Pediatric Study</i>	4/15/04-4/15/05 \$14,868 Total Award
Pilot Grant (PI: JL Daniels) UNC Clinical Nutrition Research Center <i>Title: PIN Pediatric Pilot Study</i>	9/30/03 – 9/29/05 \$50,000 Total Award
Pilot Grant (PI: JL Daniels) UNC Program on Ethnicity, Culture, and Health Outcomes <i>Title: Omega fatty acids during pregnancy and preterm birth.</i>	11/03-11/04 \$14,868 Total Award

TEACHING RECORD

CLASSROOM INSTRUCTION

EPID 725/726 – Epidemiology Research Methods. Department of Epidemiology, University of North Carolina at Chapel Hill. (Lead Instructor 2015-present, Co-instructor: 2013-2014)

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

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

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

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

GUEST LECTURES

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

EPID 851 - Reproductive and Perinatal Epidemiology. Department of Epidemiology, University of North Carolina at Chapel Hill. (2012-2015).

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

MHCH 710 Foundations in Maternal and Child Health, University of North Carolina at Chapel Hill (2004-2015).

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

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

In Progress: Christina Cordero (EPID) Perinatal complications (Gestational diabetes, hypertension, and jaundice) and Autism Spectrum Disorders

In Progress: Laura McGuinn (EPID) Air pollution and Autism

In Progress: Eric Rubenstein (EPID) Broader autism phenotype among parents in relation to autism presentation

In Progress: Devika Chawla (EPID) Paternal cannabis exposure in relation to birth defects.

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

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

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

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

2010 Margaret Adgent (EPID) Soy formula and sex specific onset of language and puberty

2009 Joseph Braun (EPID) Biomarkers of in utero smoke exposure in low birthweight studies

2009 Anne Marie Jukic (EPID) Physical activity and spontaneous abortion and preterm birth

2009 Sarah Keim (EPID) Maternal Depression, poly-unsaturated fatty acids, and neurodevelopment

2009 Amy Kalkbrenner (EPID) Geographic influences on autism diagnosis

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 MASTERS RESEARCH AS ADVISOR / FIRST READER

2015 Devika Chawla (EPID) Prenatal Vitamin D exposure and Autism Spectrum Disorders

- 2012 Andrea Trembeth (EPID) Comparative effectiveness of three surfactant preparations in premature infants.
- 2010 Alex Keil (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 (MHCH) Access to contraceptive health care in Nicaragua.
- 2008 Elizabeth Roberts (MHCH) Physician advising practices regarding breastfeeding.
- 2007 Joseph Braun (EPID) Braun JT, Froehlich T, **Daniels JL**, DietrichKM, Hornung R, Auinger P, Lanphear BP. Association of Environmental Toxicants and Conduct Disorder in U.S. Children: NHANES 2001-2004.
- 2005 Manali Patel (MHCH) Lay health education to improve women's hygiene practices in Honduras
- 2005 Ayaba Woriloh (MHCH) Post Traumatic Stress among Women Veterans
- 2004 Molly Aldridge (MHCH) Mammograms and health care access among US Hispanic and Non-Hispanic women over age 40 years.
- 2004 Lindsey Kampmeiner (MHCH) Maternal decision-making about pain management during labor and delivery.

DIRECTION OF POST-DOCTORAL TRAINING

- 2015-present Alison Singer, Ph.D., Post-doctoral Fellow, UNC
- 2011-2013 Kate Hoffman, Ph.D., Research Scientist, Duke University
- 2009-2011 Amy Kalkbrenner, Ph.D., Assistant Professor, University of Wisconsin
- 2004-2008 Ulla Forssen, Ph.D., Research Scientist, GlaxoSmithKline

MEMBER OF DOCTORAL DISSERTATION COMMITTEE (DEPARTMENT, GRADUATION YEAR)

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

SECOND READER OF MASTERS THESIS— (DEPARTMENT, GRADUATION YEAR)

- | | |
|---------------------------|----------------------------------|
| Amanda Tapia (BIOS 2015) | Stephanie Saddlemire (EPID 2005) |
| Brett Doherty (EPID 2015) | Elizabeth Blumm (EPID 2004) |
| Erica Browne (BIOS 2013) | Erin McCall (EPID 2004) |
| Rebecca Swann (MHCH 2008) | Diana Frick (MHCH 200) |