National Birth Defects Prevention Study – Related Publications

- NBDPS Pooled Data Only -

Published/In Press Manuscripts

2016

1. Howley MM, Carter TC, Browne ML, Romitti PA, Cunniff CM, Druschel CM, and the National Birth Defects Prevention Study. Fluconazole use and birth defects in the National Birth Defects Prevention Study. *American Journal of Obstetric Gynecology.* 2016 May; 214(5):657

2. Lee LJ, Symasnki E, Lupo PJ, Tinker SC, Razzaghi H, Pompeii LA, Hoyt AT, Canfield MA, Chan W, and the National Birth Defects Prevention Study. Data linkage between the national birth defects prevention study and the occupational information network (O*NET) to assess workplace physical activity, sedentary behaviors, and emotional stressors during pregnancy. *American Journal of Industrial Medicine.* 2016 Feb; 59(2): 137-49.

3. Li M, Li J, He Z, Lu Q, Witte JS, Macleod SL, Hobbs CA, Cleves MA, and the National Birth Defects Prevention Study. Testing allele transmission of a SNP set using a family-based generalized genetic random field method. *Genetic Epidemiology.* 2016 May; 40(4):341-351.

4. Li M, Li J, Wei C, Tang X, Erickson SW, Macleod SL, Hobbs CA. A three-way interaction among maternal and fetal variants contributing to congenital heart defects. *Annals of Human Genetics*. 2016 Jan; 80(1):20-31.

5. Lim H, Beasley CW, Whitehead LW, Emery RJ, Agopian AJ, Langlois PH, Waller DK, and the National Birth Defects Prevention Study. Maternal exposure to radiographic exams and major structural birth defects. *Birth Defects Res A Clin Mol Teratol.* 2016 Mar 22. [Epub ahead of print].

6. Patel PM, Momany AM, Schaa KL, Romitti PA, Druschel C, Cooper ME, Marazita ML, Murray JC, Dagle JM. Genetic modifiers of patent ductus arteriosus in term infants. *Journal of Pediatrics.* 2016 June 22 [Epub ahead of print].

7. Razzaghi H, Tinker SC, Herring AH, Howards PP, Waller DK, Johnson CY, and the National Birth Defects Prevention Study. Impact of missing data for body mass index in an epidemiologic study. *Maternal and Child Health Journal.* 2016 July; 20(7):1497-505.

8. Vuong AM, Shinde MU, Brender JD, Shipp EM, Huber JC Jr., Sharkey JR, McDonald TF, Werler MM, Kelley KE, Griesenbeck JS, Langlois PH, Canfield MA, and the National Birth Defects Prevention Study. Prenatal exposure to nitrosatable drugs, dietary intake of nitrates, and preterm birth. *American Journal of Epidemiology.* 2016 April 1; 183(7):634-42.

9. Wadhwa EL, Ma C, Shaw GM, Carmichael SL, and the National Birth Defects Prevention Study. Gastroschisis and maternal intake of phytoestrogens. *American Journal of Medical Genetics Part A.* 2016 May 27 [Epub ahead of print].

10. Warren JL, Stigone JA, Herring AH, Luben TJ, Fuentes M, Aylsworth AS, Langlois PH, Botto LD, Correa A, Olshan AF, and the National Birth Defects Prevention Study. Bayesian multinomial probit modeling of daily windows of susceptibility for maternal PM2.5 exposure and congenital heart defects. *Statistics in Medicine*. 2016 Feb 7; 35(16):2786-2801.

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13. Botto LD, Krikov S, Carmichael SL, Munger RG, Shaw GM, Feldkamp ML; National Birth Defects Prevention Study. Lower rate of selected congenital heart defects with better maternal diet quality: a population-based study. *Arch Dis Child Fetal Neonatal Ed*. 2015 Aug 24. pii: fetalneonatal-2014-308013.

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15. Carmichael SL, Yang W, Gilboa S, Ailes E, Correa, A, Botto LD, Feldhamp ML, Shaw GM; National Birth Defects Prevention Study. Elevated body mass index and decreased diet quality among women and risk of birth defects in their offspring. *Birth Defects Res A Clin Mol Teratol.* 2015 Dec 15 [Epub ahead of print]

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Published Abstracts/Presentations

2014

1. Lim H, Agopian AJ, Whitehead LW, Beasley CW, Langlois PH, Emery RJ, Waller DK and the National Birth Defects Prevention Study. 0306 Parental occupational exposure to ionizing radiation and selected birth defects in the US. *Occup Environ Med.* 2014;71:A105.

2013

2. Agopian AJ, Lupo PJ, Canfield MA, Mitchell LE; National Birth Defects Prevention Study. Maternal Use of Swimming Pools and Risk for Birth Defects in Offspring, National Birth Defects Prevention Network and National Birth Defects Prevention Study Annual Meeting. Atlanta, GA, Feb 2013.

3. Botto LD: Maternal diet quality and risk for congenital heart defects. Presented at the 40th International Clearinghouse for Birth Defects Surveillance and Research, San Jose, Costa Rica. Dec 5, 2013.

4. Browne M, Van Zutphen A, Richardson S, Druschel D, Blossom S, Broussard C, Carmichael S. Maternal autoimmune disease and selected defects in the National Birth Defects Prevention Study. Poster presented at the joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2013 Annual Meeting*, Atlanta, GA, February 25-27, 2013.

5. Case A, Hoyt AT, Canfield MA, Wilkinson A. Periconceptional Risk Factors among Younger and Older Teens. Poster presented at the *Combined Annual Meeting of the National Birth Defects Prevention Network and the National Birth Defects Prevention Study,* Atlanta, GA, February 25-27, 2013.

6. Duwe KN, Alverson CJ, Callaghan W, Canfield MA, Correa A, Duke CW, Marshall E, Olney R, Reefhuis J, Romitti P, Gilboa S. Association between previous fetal loss and birth defects, National Birth Defects Prevention Study (NBDPS), 1997-2007. Presented at the *Combined Annual Meeting of the National Birth Defects Prevention Network and the National Birth Defects Prevention Study,* Atlanta, GA, February 25-27, 2013.

7. Feldkamp ML: Critical Congenital Heart Defects Screening: Birth Defects and Newborn Screening Program Interactions. Presented at the 16th National Birth Defects Prevention Network/National Birth Defects Prevention Study, Atlanta, Georgia. February 25, 2013.

8. Feldkamp ML. Raising Birth Defects Awareness- Parent Advisory Group. Presented at the 16th National Birth Defects Prevention Network/National Birth Defects Prevention Study, Atlanta, Georgia. February 25, 2013.

9. Feldkamp ML: Standards for Birth Defects Surveillance: Assessment Tools. Presented at the 16th National Birth Defects Prevention Network/National Birth Defects Prevention Study, Atlanta, Georgia. February 25, 2013.

10. Feldkamp ML: Diet quality and risk of gastroschisis. Presented at the 16th National Birth Defects Prevention Network/National Birth Defects Prevention Study, Atlanta, Georgia. February 26, 2013.

11. Feldkamp ML: Update on Risk Factors for Birth Defects. Presented at the 40th International Clearinghouse for Birth Defects Surveillance and Research, San Jose, Costa Rica. Dec 4, 2013.

12. Feldkamp ML: Diet quality and risk of gastroschisis. Presented at the 40th International Clearinghouse for Birth Defects Surveillance and Research, San Jose, Costa Rica. Dec 5, 2013.

13. Hobbs CA. Conotruncal heart defects and interactions between lifestyle factors and genetic variation in folate-related metabolic pathways. Oral presentation at *International Clearinghouse for Birth Defects Surveillance and Research 40th Annual Meeting*, San Josè, Costa Rica. December 4, 2013.

14. Hobbs CA. Genomic and epigenomic factors associated with nonsyndromic congenital heart defects. Oral presentation at *6th International Conference on Birth Defects and Disabilities in the Developing World*, Cebu, Phillipines. November 13, 2013.

15. Hobbs CA. Congenital heart defects, folic acid, and maternal dietary patterns: United States National Birth Defects Prevention Study. Oral presentation at *9th International Conference on Homocysteine and One-Carbon Metabolism Meeting*, Dublin, Ireland. September 9, 2013.

16. Hoyt AT, Canfield MA, Shaw GM, Waller DK, Duwe K, Ramadhani T, Anderka M, Scheuerle A, and the National Birth Defects Prevention Study. Association of Selected Socio-demographic and Acculturation Factors with Anotia/Microtia. Presented at the *Combined Annual Meeting of the National Birth Defects Prevention Network and the National Birth Defects Prevention Study,* Atlanta, GA, February 25-27, 2013.

17. Langlois PH, Hoyt AT, Lupo PJ, Lawson CC, Waters MA, Reefhuis J, Shaw GM, Desrosiers TA, Duwe KN, Gilboa SM, Moore CA, Correa A, Malik S, Romitti PA, Lammer EJ, Symanski E, Khoder ZG, Agopian AJ, Lee L, Mitchell LE, Finnell RH, and the National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons and risk of selected birth defects; A summary of four papers from the National Birth Defects Prevention Study. Poster presented at the annual *Teratology Society Meeting* in Tucson AZ, June 2013.

18. Liberman RF, Luke B, Stern JE, Reefhuis J, Gopal D, Anderka M. Validation of Maternal Self-report of Assisted Reproductive Technology Use Among Massachusetts Participants in the National Birth Defects Prevention Study. Society for Perinatal Epidemiology Research, Boston, June 2013.

19. Lupo PJ, Mitchell LE, Canfield MA, Shaw GM, Olshan AF, Finnell RH, Zhu H; and the National Birth Defects Prevention Study. Maternal-Fetal Metabolic Gene-Gene Interactions and Rish of Neural Tube Defects. Poster presented at the *40th Annual Meeting of the International*

Clearinghouse for Birth Defects Research and Prevention. December 3-6, 2013. San Jose, Costa Rica.

20. Miquel-Verges F, Mosley BS, Block AS, Hobbs CA; National Birth Defects Prevention Study. Prematurity and small for gestational age associated with birth defects, national birth defects prevention study 1997-2007. Poster presented at 6th International Conference on Birth Defects and Disabilities in the Developing World, Cebu, Philippines. November 13, 2013.

21. Rocheleau CM, Bertke SJ, Lawson CC, Romitti PA, Desrosiers TA, Agopian AJ, Bell EM, Gilboa SM. Demographic, behavioral, and reproductive history differences by maternal working status before and during pregnancy: implications for reproductive studies. Oral presentation at the *National Birth Defects Prevention Network (NBDPN) Annual Meeting. Joint Meeting with the National Birth Defects Prevention Study (NBDPS).* February 2013.

22. Rocheleau CM, Bertke SJ, Lawson CC, Romitti PA, Desrosiers TA, Agopian AJ, Bell EM, Gilboa SM. Demographic, behavioral, and reproductive history differences by maternal working status before and during pregnancy: implications for reproductive studies. Poster presented at the *46th Annual Meeting of the Society for Epidemiologic Research.* June 2013.

23. Stingone JA, Luben TJ, Daniels JL, Fuentes M, Richardson DB et al. *Investigating the impact of folic-acid supplement use on the relationship between exposure to $PM_{2.5}$ during early pregnancy and congenital heart defects*. 2013. Poster presented at Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting Boston, MA, June 18, 2013.

24. Stingone JA, Luben TJ, Daniels JL, Fuentes M, Richardson DB et al. *Maternal exposure to criteria air pollutants during early pregnancy and congenital heart defects in offspring*. 2013. Presentation at Society for Epidemiologic Research Annual Meeting Boston, MA, June 20, 2013.

25. Tang X, Nick T, Cleves MA, Erickson SW, Li M, Li J, MacLeod SL, Hobbs CA and the National Birth Defects Prevention Study. Conotruncal heart defects and interactions between lifestyle factors and folate and oxidative-stress related genetic variants. Poster presented at Arkansas Biosciences Institute Fall Research Symposium. University of Arkansas for Medical Sciences, Little Rock, AR. October 15, 2013.

26. Van Bennekom CM, Mitchell AA, Moore CA, Werler MM, and the National Birth Defects Prevention Study. Vasoactive exposures during pregnancy and risk of microtia. Poster presented at annual meeting of National Birth Defects Prevention Network, Atlanta, GA, February 2013.

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27. Brender J, Werler M, Kelley K, Vuong A, Shinde M, Huber Jr. J, Sharkey J, Zheng Q, Suarez L, Langlois P, Canfield M, Romitti PA, Malik S; The National Birth Defects Prevention Study. (2011) Nitrosatable drugs, dietary nitrites, and neural tube defects. Am J Epidemiol 173 (Suppl 11):S210.

28. Brender J, Weyer P, Romitti P, Horel S, Kantamneni J, Shinde M, Vuong A, Huber J, Sharkey J, Langlois P, Suarez L, Canfield M. Prenatal nitrate intake from drinking water and selected birth defects in offspring. Epidemiology 2012; 23(supp 5):s148.

29. Brender J, Weyer P, Romitti P, Horel S, Kantamneni J, Shinde M, Vuong A, Huber C, Sharkey P, Langlois P, Canfield M, Suarez L, and the National Birth Defects Prevention Study. Prenatal nitrate intake from drinking water and birth defects in offspring**.** Poster presented at the *45th Annual Meeting of the Society for Epidemiologic Research.* June 27-30, 2012. Minneapolis, MN.

30. Case A, Royle M, Scheuerle A, Carmichael S, Moffitt K, Ramadhani T. Attribution Theory, Ethnicity, and Beliefs about Causes of Birth Defects. Oral presentation, *Texas Birth Defects Research Symposium*, November 15, 2012.

31. Cassell CH, KA Lee, D Mendez, RP Strauss, RE Meyer. Factors associated with time and distance traveled to cleft and craniofacial care. Poster presented at the joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting*, Arlington, VA, February 27-29, 2012.

32. Carmichael SL, Yang W, Shaw GM. (20120) Maternal dietary nutrient intake and risk of preterm delivery. *Pediatric Academic Societies* annual meeting, Boston, MA, May, 2012; *Society for Pediatric and Perinatal Epidemiologic Research,* Minneapolis, June, 2012.

33. Dawson AL, Tinker SC, Jamieson DJ, Hobbs CA, Berry RJ, Anderka MT, Keppler-Noreuil KM, Lin AE, Reefhuis J, and the National Birth Defects Prevention Study. Twinning and major birth defects, National Birth Defects Prevention Study, 1997-2007. Poster presentation at the National Birth Defects Prevention Network meeting in Washington, D.C. February 2012.

34. Desrosiers TA. (2012) Maternal occupational exposure to organic solvents and selected congenital anomalies Poster at joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting,* February 27-29, 2012 in Arlington, VA.

35. 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 risk of neural tube defects and orofacial clefts. Poster abstract accepted for joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting*, February 27 - 29, 2012, in Arlington, VA.

36. Duwe KN, Alverson CJ, Callaghan W, Canfield M, Correa A, Duke CW, Marshall E, Olney R, Reefhuis J, Romitti P, Gilboa S. Association between previous fetal loss and birth defects, National Birth Defects Prevention Study (NBDPS), 1997-2007. Poster presented at the *45th Annual Meeting of the Society for Epidemiologic Research.* June 27-30, 2012. Minneapolis, MN.

37. Erickson S, Chowdhury S, MacLeod SL, Cleves MA, Melnyk S, James SJ, Hu P, Hobbs CA. Interactions between maternal genotypes and metabolites are associated with incidence of congenital heart defects. Poster presentation at *American Society of Human Genetics, Annual meeting*, San Francisco, November 9, 2012.

38. Funk W, Sauter D, Olshan A, McDade T, Ghio A. Development of a method for assessing prenatal exposures to heavy metals using state-archived dried blood spots. Poster presented at *PPTOX III:*

Environmental Stressors in the Developmental Origins of Disease: Evidence and Mechanisms. Paris, France, May 14-16, 2012.

39. Glidewell MJ, J Reefhuis, SA Rasmussen, A Woomert, PA Romitti, C Hobbs, KS Crider**,** and the National Birth Defects Prevention Center. Factors affecting maternal participation in the genetic component of the National Birth Defects Prevention Study, United States, 1997-2007. Poster presented at the joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting,* Arlington, VA, February 27-29, 2012.

40. Hobbs CA. Maternal epigenetic factors in congenital heart defects. Presented at the Cardiovascular Joint Conference, Arkansas Children's Hospital, Little Rock, Arkansas, April 2, 2012.

41. Huber Jr. J, Zheng Q, Sharkey J, Brender J, Vuong A, Shinde M, Suarez L, Langlois P, Canfield M, Romitti PA, Malik S; The National Birth Defects Prevention Study. (2011) Dietary nitrates, nitrites and nitrosatable compounds and neural tube defects, oral clefts and limb deficiencies. *Am J Epidemiol* 173 (Suppl 11):S297.

42. Huiping Z, PJ Lupo, C Chapa, Wei Lu, AJ Agopian, LE Mitchell, GM Shaw, K Waller, A Olshan, RH Finnell, MA Canfield. Diabetes and obesity-related genes and risk of neural tube defects in the NBDPS. Poster presented at the joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting*, Arlington, VA, February 27-29, 2012.

43. Kingsley R, Martin R, Canfield MA, Bensyl D, Case AP, Farag NH. Health Indicators among Women Before Pregnancy—Texas, 2002–2010. International Clearinghouse for Birth Defects Prevention & Research (ICBDSR) and Canadian Congenital Anomalies Surveillance Network (CCASN) Joint Annual Scientific Meeting October 30-November 2 2012 Ottawa.

44. Knight JH, CH Cassell, RP Strauss, M Marcus, V White, EE Howell, RE Meyer. "Academic Outcomes among School-Aged Children with and without Cleft Lip/Palate." Presented at the *69th Annual Meeting of the American Cleft Palate-Craniofacial Association*, San Jose, CA, April 17-21, 2012.

45. Knight KH, CH Cassell, M Marcus, V White, EE Howell, RE Meyer, RP Strauss. Parent-reported academic outcomes among school-aged children with and without orofacial clefts in North Carolina. Poster presented at the joint National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting, Arlington, VA, February 27-29, 2012.

46. Langlois PH et al. (2012). Maternal occupational exposure to polycyclic aromatic hydrocarbons and risk of birth defects. Oral presentation, Texas Birth Defects Research Symposium, November 15, 2012.

47. Langlois PH, AT Hoyt, PJ Lupo, CC Lawson, MA Waters, TA Desrosiers, GM Shaw, PA Romitti, EJ Lammer, and the National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons and risk of oral cleft-affected pregnancies. Poster presented at the joint *National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting*, Arlington, VA, February 27-29, 2012.

48. Lin S, Kielb C, Herdt-Losavio M, Bell E, Druschel C, Romitti P, Rocheleau C*, Lawson C, Waters M, Stewart P, Olney R. (2011) Maternal Occupational Exposure to Pesticides and the Risk of Musculoskeletal Birth Defects: A Preliminary Analysis. *Birth Defects Res A Clin Mol Teratol* 91:351. doi: 10.1002/bdra.20834

49. Lind JN, Tinker SC, Broussard CS, Reefhuis J, Carmichael SL, Honein MA, Olney RS, Parker SE, Werler MM. Maternal Medication and Herbal Use and Risk of Hypospadias: Data from the National Birth Defects Prevention Study, 1997–2007. International Conference on Pharmacoepidemiology and Therapeutic Risk Management 2012.

50. Luben TJ, Siega-Riz AM, Herring A, Aylsworth AS, and the National Birth Defects Prevention Study. The effect of maternal water consumption during pregnancy on birth defects. Poster Presentation. *Society for Pediatric and Perinatal Epidemiologic Research (SPER)* Annual Meeting. Minneapolis, MN, June 25-27, 2012.

51. Lupo PJ, Symanski E, Langlois PH, Gilboa SM, Malik S, Lawson CC, Agopian A, Correa A, Desrosiers T, Romitti PA, Shaw GM, Mitchell LE; The National Birth Defects Prevention Study. (2011) Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and congenital heart defects (CHDs) in offspring. *Am J Epidemiol* 173 (Suppl 11):S189.

52. Lupo PJ, Langlois PH, Symanski E, Finnell RH, Reefhuis J, Agopian A, Lawson CC, Duwe KN, Moore CA, Romitti PA, Shaw GM, Mitchell LE; The National Birth Defects Prevention Study. (2011) Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and gastroschisis in offspring. *Am J Epidemiol* 173 (Suppl 11):S190.

53. Ma C, Shaw GM, Scheuerle AE, Canfield MA, Carmichael SL, and National Birth Defects Prevention Study. (2012). Association of microtia with maternal nutrition. *Teratology June, 2012.*

54. Parker SE, Werler MM, Shaw GM, Anderka M, Yazdy MM, and the National Birth Defects Prevention Study. Dietary Glycemic Index and the Risk of Birth Defect. National Birth Defects Prevention Network annual meeting, Washington, D.C. February 2012.

55. Romitti PA for the NBDPS Cough Medications Work Group. Cough medications and birth defects. Presented at *NBDPN 15th Annual Meeting.*

56. Sanders A. **"**Toxic Metals and You, your Mother and your Child." Seminar presented at *Environmental Sciences and Engineering (ESE) Seminars*, University of North Carolina at Chapel Hill-Chapel Hill. February 15, 2012.

57. Sanders AP, TA Desrosiers, AH Herring, AF Olshan, R Meyer, RC Fry. Association between toxic metals in private wells and birth defects prevalence. Poster presented at the joint National Birth Defects Prevention Network/National Birth Defects Prevention Study 2012 Annual Meeting, Arlington, VA, February 27-29, 2012. AWARD WINNING; First Place NBDPN poster award.

58. Stingone J. "Exploring the Relationship Between Exposure to Air Pollutants and Cardiac Birth Defects: Should We Be Telling Women to Watch What They Breathe?" (preliminary results). Seminar presented at *Reproductive, Perinatal, and Reproductive Epidemiology (RPPE) meeting*, University of North Carolina at Chapel Hill-Chapel Hill, February 1, 2012.

59. Van Bennekom CM, Mitchell AA, Moore CA,Werler MM. Microtia: findings suggest no association with vasoactive medications. [Abstract] Pharmacoepidemiol Drug Saf 2012;21 (Suppl. 3):15. Oral presentation, 28th annual International Conference on Pharamacoepidemiology, Barcelona, Spain, August 2012.

60. Weyer P, Romitti P, Islam M, Bell E, Browne M, Luben T, Meyer R, Langlois P, Anderka M, Feldkamp M, Mosley B, Hobbs C, Reefhuis J, Tinker S. Drinking water disinfection byproducts and orofacial clefts: preliminary analysis. Presented at *NBDPN 15th Annual Meeting*.

61. Weyer P, Brender J, Horel S, Kantamneni J, Sharkey J, Shinde M, Vuong A, Langlois P, Romitti P. (2012) Exposure assessment methods for drinking water nitrate in the National Birth Defects

Prevention Study *Am J Epidemiol* 175 (Suppl 11):S18. doi: 10.1093/aje/kws258. Presented as a poster in the *SER 45th Annual Meeting.*

62. Weyer P, Romitti P, Horel S, Kantamneni J, Shinde M, Vuong A, Huber, Jr. J, Sharkey J, Langlois P, Canfield M, Suarez L, National Birth Defects Prevention Study. Prenatal nitrate intake from drinking water and selected birth defects in offspring. *Am J Epidemiol* 2012; 175(11 Suppl):S57.

63. Yang W, Carmichael SL, Tinker SC, Shaw GM, & the National Birth Defects Prevention Study. (2012). Association between weight gain during pregnancy and neural tube defects and gastroschisis in offspring. *Teratology June, 2012*

64. Zhou J. Nonparametric Bayes methods for estimation in high-dimensional contingency tables. Poster presented 6/28/2012 at the *11th World Meeting of the International Society for Bayesian Analysis (ISBA)*. Kyoto, Japan. June 25-29, 2012.

65. Zhu H, Lupo PJ, Mitchell LE, Canfield MA, Shaw G, Waller K, Correa A, Olshan A Finnell RH, and the National Birth Defects Prevention Study. Maternal Diabetes/Obesity and Neural Tube Defects: The Genetic Link. Presented at the 6th International Symposium on Diabetes & Pregnancy. Oral presentation, *Texas Birth Defects Research Symposium*, November 15, 2012.

2011

66. Agopian AJ, Canfield MA, Olney RS, Lupo PJ, Ramadhani T, Mitchell LE, Shaw GM, Moore CA, and the National Birth Defects Prevention Study. Maternal race/ethnicity and sub-phenotypes of spina bifida in the National Birth Defects Prevention Study (NBDPS). Presented as at the *International Neural Tube Defects Symposium*, Austin, Texas, November 6-9, 2011.

67. Agopian AJ, Canfield MA, Olney RS, Lupo PJ, Ramadhani T, Mitchell LE, Shaw GM, Moore CA, and the National Birth Defects Prevention Study. Maternal race/ethnicity and sub-phenotypes of spina bifida in the National Birth Defects Prevention Study (NBDPS). Presented as poster at the *24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*. June 20-21, 2011, Montreal, Quebec, Canada.

68. Agopian AJ, Canfield MA, Olney RS, Lupo PJ, Ramadhani T, Mitchell LE, Shaw GM, Moore CA, National Birth Defects Prevention Study. Spina Bifida Subtypes and Sub-phenotypes by Maternal Race/Ethnicity in the National Birth Defects Prevention Study. *The 32nd David W. Smith Workshop on Malformations and Morphogenesis.* September 2011. Lake Arrowhead, California.

69. Agopian AJ, Eastcott LM, Mitchell LE. Age of Onset in Genome-wide Association Studies. *Third North American Congress of Epidemiology*. June 2011. Montreal, Quebec, Canada.

70. Agopian AJ, Eastcott LM, Mitchell LE**.** Age of Onset in Genome-wide Association Studies. *Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting*. June 2011. Montreal, Quebec, Canada.

71. Brender J, Werler M, Kelley K, Vuong A, Shinde M, Huber, Jr. J, Sharkey J, Zheng Q, Surez L, Langlois P, Canfield M, Romitti P, Malik S. Nitrosatable drugs, dietary nitrites, and neural tube defects**.** *3rd North American Congress of Epidemiology Conference/Annual Meeting of the Society for Epidemiologic Research (SER)*. June 22-24, 2011. Montreal, Quebec, Canada.

72. Brender J, Werler M, Kelley K, Vuong A, Shinde M, Huber Jr. J, Sharkey J, Zheng Q, Suarez L, Langlois P, Canfield M, Romitti PA, Malik S, The National Birth Defects Prevention Study. Nitrosatable drugs, dietary nitrites, and neural tube defects. Presented as a poster at the *24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER).*

73. Carmichael SL, Yang W, Feldkamp ML, Munger RG, Siega-Riz AM, Botto LD, Shaw GM. Diet quality and neural tube defects and orofacial clefts. *Society for Pediatric and Perinatal Epidemiologic Research,* Montreal, June, 2011; *Teratology Society,* Coronado, CA, June, 2011; *International NTD Meeting*, Austin, TX, September, 2011.

74. Caspers KM, Romitti PA, Bayman L, Lin S, Olney R, Werler MM, Holmes LB, and the National Birth Defects Prevention Study. (2011) Maternal periconceptional exposure to cigarette smoking and limb deficiencies. *Am J Epidemiol* 173 (Suppl 11):S136. Poster presentation at the *Society for Epidemiologic Research 44th Annual Meeting / 3rd North American Congress of Epidemiology.*

75. Caspers KM, Romitti PA, Bayman L, Lin S, Olney R, Werler MM, Holmes LB, and the National Birth Defects Prevention Study. (2011) Maternal periconceptional exposure to cigarette smoking and limb deficiencies. Poster presentation at the *24rd Annual Society for Pediatric and Perinatal Epidemiologic Research Meeting*.

76. Desrosiers TA,. (2011) Maternal occupational exposure to organic solvents and selected congenital anomalies. Poster presented at Society for Pediatric and Prenatal Epidemiologic Research (SPER). Montreal, Canada; June 2011.

77. Desrosiers, TA. "Maternal occupational exposure to organic solvents during early pregnancy and selected congenital anomalies". Poster presented at annual meeting of *North American Congress of Epidemiology* (SER). Montreal, Canada, June 2011.

78. Duong H, Canfield MA, Hoyt A, Waller DK. Structural Malformations and Hot Tubs**.** Presented at the *International Neural Tube Defects Symposium*, Austin, Texas, November 6-9, 2011.

79. Erickson SW. Maternal Genotypes and Folate-Related Metabolites Implicated in Congenital Heart Defects. Presented at the *UAMS Department of Biostatistics*, Little Rock, AR, September 6, 2011.

80. Feldkamp ML, Srisukhumbowornchai S, Olney R, Romitti P, Richardson SD, Botto LD. Self-reported periconceptional maternal tobacco exposure and the risk for omphalocele. Presented as a poster at the *ICBD 5th Int'l Conference.*

81. Glidewell MJ, Reefhuis J, Rassmussen SA, Woomert A, Romitti PA, Crider KS, The National Birth Defects Prevention Study. Participation in the genetic component of the National Birth Defects Prevention Study, 1997-2007. Presented as a poster at the*24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER).*

82. Gordon VK, Hobbs CA, Cleves MA, MacLeod SL, Erickson SW. Maternal genetics, obesity, and non-syndromic heart defects. Poster presented at *UAMS Student Research Day*, Little Rock, AR, April 11, 2011.

83. Hobbs CA. Maternal epigenetic and genetic factors in congenital heart defects. Mexican Association of Human Genetics. Presented at *Genomics of Congenital Malformations Symposium.* Merida, Yucatan, November 16-19, 2011.

84. Hobbs CA. Congenital heart defects and haplotype tagging SNPs in folate-related pathways. Presented at *Genomics of Congenital Malformations Symposium*. Merida, Yucatan, November 16-19, 2011.

85. Hobbs CA. Public Health Genomics: case studies in neonatal health. Presented at *Arkansas Department of Health, County Health Officer Symposium*. Winthrop Rockefeller Institute, Petit Jean, AR, October 16, 2011.

86. Hobbs CA. Advances in Genomics, Epigenomics, and National Pediatric Studies. Presented at *Arkansas Biosciences Institute Fall Research Symposium*. Little Rock, AR, September 21, 2011.

87. Hobbs CA. Birth defects and neonatal health: old questions, new tools. Presented at *Arkansas Department of Health Grand Rounds*. Little Rock, AR, April 21, 2011.

88. Hobbs CA. Birth defects and neonatal health: old questions, new tools. Presented at the *University of Arkansas for Medical Sciences, College of Medicine*. Little Rock, AR, March 15, 2011.

89. Huber Jr. J, Zheng Q, Sharkey J, Brender J, Vuong A, Shinde M, Suarez L, Langlois P, Canfield M, Romitti PA, Malik S; The National Birth Defects Prevention Study. (2011) Dietary nitrates, nitrites and nitrosatable compounds and neural tube defects, oral clefts and limb deficiencies. *Am J Epidemiol* 173 (Suppl 11):S297.

90. Huber, Jr, Q Zheng, J Sharkey, J Brender, A Vuong, M Shinde, L Suarez, P Langlois, M Canfield, P Romitti, S Malik, and the National Birth Defects Prevention Study. Dietary Nitrates, Nitrites and Nitrosatable Compounds and Neural Tube Defects, Oral Clefts and Limb Deficiencies. Poster presented at the *SER 44th Annual Meeting/ 3rd North American Congress of Epidemiology.*

91. Kancherla V, Romitti PA, Sun L, Burns TL, Carey JC, Siega-Riz AM, Druschel CM, Lin A. Epidemiology of Choanal Atresia

92. The National Birth Defects Prevention Study. Poster presented at the annual meeting of the *Society for Pediatric & Perinatal Epidemiologic Research (SPER)*, in Montreal, Canada, June 2011.

93. Kancherla V, Romitti PA, Burns TL, Carey JC, Siega-Riz AM, Druschel CM, Lin A, Sun L; The National Birth Defects Prevention Study. (2011) Epidemiology of choanal atresia: The National Birth Defects Prevention Study. *Am J Epidemiol* 173 (Suppl 11):S134. *Poster presentation at SER 44th Annual Meeting / 3rd North American Congress of Epidemiology.*

94. Khodr ZG, Lupo PJ, Canfield MA, Case AP, Agopian A, Carmichael SL, Shaw GM, Royle MH, Mitchell LE, and the National Birth Defects Prevention Study. Identification of Predictors for Preconceptional Folic Acid Supplementation. *Gulf Coast Women's Health Research Forum*, September 30, 2011, Houston, TX. Clinical Science Poster Award Winner.

95. Khodr ZG, Lupo PJ, Canfield MA, Case AP, Agopian A, Carmichael SL, Shaw GM, Royle MH, Mitchell LE, and the National Birth Defects Prevention Study. Identification of Predictors for Preconceptional Folic Acid Supplementation. *Seventh International Conference on Neural Tube Defects*, November 6-9, 2011, Austin, TX.

96. Langlois PH, Hoyt AT, Lupo PJ, Lawson CC, Waters MA, Desrosiers TA, Shaw GM, Romitti PA, Lammer EJ, the National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons and risk of neural tube defect-affected pregnancies. *International NTD Conference*, Austin TX, November 2011.

97. Lin S, Kielb C, Herdt-Losavio M, Bell E, Druschel C, Romitti P, Rocheleau C*, Lawson C, Waters M, Stewart P, Olney R. (2011) Maternal Occupational Exposure to Pesticides and the Risk of Musculoskeletal Birth Defects: A Preliminary Analysis. *Birth Defects Res A Clin Mol Teratol* 91:351. doi: 10.1002/bdra.20834

98. Lin S, Kielb C, Herdt-Losavio M, Bell E, Druschel C, Romitti P, Rocheleau*C, Lawson C, Waters M, Stewart P, Olney R. Maternal occupational exposure to pesticides and the risk of musculoskeletal birth defects: a preliminary analysis. Presented as a poster at the *Teratology Society 51st Annual Meeting*.

99. Lupo PJ, Langlois PH, Symanski E, Finnell RH, Reefhuis J, Agopian A, Lawson CC, Duwe KN, Moore CA, Romitti PA, Shaw GM, Mitchell LE; The National Birth Defects Prevention Study. (2011) Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and gastroschisis in offspring. *Am J Epidemiol* 173 (Suppl 11):S190. Presented as a poster at the *SER 44th Annual Meeting/ 3rd North American Congress of Epidemiology*

100. Lupo PJ, Langlois PH, Symanski E, Finnell RH, Reefhuis J, Agopian A, Lawson CC, Duwe KN, Moore CA, Romitti PA, Shaw GM, Mitchell LE, The National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and gastroschisis in offspring. Presented as a poster at the *24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER).*

101. Lupo PJ, Mitchell LE, Canfield MA, Shaw GM, Waller DK, Correa A, Olshan AF, Finnell RH, Zhu H. Glucose homeostasis genes and the risk of neural tube defects in the National Birth Defects Prevention Study. Poster presented at the 24th *Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*. June 2011, Montreal, Quebec, Canada.

102. Lupo PJ, Symanski E, Langlois PH, Gilboa SM, Malik S, Lawson CC, Agopian A, Correa A, Desrosiers T, Romitti PA, Shaw GM, Mitchell LE; The National Birth Defects Prevention Study. (2011) Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and congenital heart defects (CHDs) in offspring. *Am J Epidemiol* 173 (Suppl 11):S189. Presented as poster at the *SER 44th Annual Meeting / 3rd North American Congress of Epidemiology.*

103. Lupo PJ, Symanski E, Langlois PH, Gilboa SM, Malik S, Lawson CC, Agopian A, Correa A, Desrosiers T, Romitti PA, Shaw GM, Mitchell LE; The National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons (PAHs) and congenital heart defects (CHDs) in offspring. Presented as poster at the *24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER).*

104. Lupo PJ, Symanski E, Langlois PH, Gilboa SM, Malik S, Lawson CC, Agopian A, Correa A, Desrosiers TA, Romitti PA, Shaw GE, Mitchell LE, National Birth Defects Prevention Study. Maternal occupational exposure to polycyclic aromatic hydrocarbons and the risk of congenital heart defects in offspring. *The 3rd North American Congress of Epidemiology*. June 21-24, 2011. Montreal, Quebec, Canada.

105. Meyer RE. "From research to prevention: National Birth Defects Prevention Study results ready for translation." Presented at the *14th Annual Meeting of the National Birth Defects Prevention Network*, Orlando, FL, February 28 - March 2, 2011.

106. Meyer RE, TA Desrosiers, AM Siega-Riz. "Restricted carbohydrate intake and neural tube defects: preliminary results from the National Birth Defects Prevention Study." Poster presented at the *14th Annual Meeting of the National Birth Defects Prevention Network*, Orlando, FL, February 28 - March 2, 2011.

107. Romitti P, Malik S, the National Birth Defects Prevention Study. Dietary Nitrates, Nitrites and Nitrosatable Compounds and Neural Tube Defects, Oral Clefts and Limb Malformations. Poster presented at the *3rd North American Congress of Epidemiology Conference/Annual Meeting of the Society for Epidemiologic Research*. June 22-24, 2011. Montreal, Quebec, Canada.

108. Sharkey J, Brender J, Horel S. Nitrate ex*pos*ure to Mexican American women of childbearing age from bottled water and maquina de aqua. *Epidemiology* 2011; 22 (suppl):S162.

109. Waller DK, Duong HT, Hashmi SS, Ramadhani T, Scheuerle A, Canfield MA. Maternal use of hot tubs and major structural birth defects. Presented at the *International Neural Tube Defects Symposium*. November 6-9, 2011. Austin, Texas.

110. Waller DK, Duong HT, Hashmi SS, Ramadhani T, Scheuerle A, Canfield MA. Maternal use of hot tubs and major structural birth defects. *The Teratology Society 51st Annual Meeting*. June 25-29, 2011. San Diego, California.

111. Weyer P, Brender J, Horel S, Kantamneni J, Sharkey J, Shinde M, Vuong A, Langlois P, Romitti P. (2012) Exposure assessment methods for drinking water nitrate in the National Birth Defects Prevention Study *Am J Epidemiol* 175 (Suppl 11):S18. doi: 10.1093/aje/kws258

112. Zhu H, Lupo PJ, Mitchell LE, Canfield MA, Shaw G, Waller K, Correa A, Olshan A Finnell RH, and the National Birth Defects Prevention Study. Maternal Diabetes/Obesity and Neural Tube Defects: The Genetic Link. Presented at the *6th International Symposium on Diabetes & Pregnancy*. March 23-26, 2011, Salzburg, Austria.

2010

113. Ahrens K, Yazdy MM, Mitchell AA, Werler MM. Folic Acid Intake and Spina Bifida in the Era of Dietary Folic Acid Fortification. Platform presentation at *23rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER),* Seattle, WA, June 2010.

114. Anderka M, Flaherty K, Higgins C, Wolfgang M, Borger C, Getz K. Incorporating Prenatally Diagnosed Cases into a Population-Based Birth Defects Surveillance Program. *National Birth Defects Prevention Network*, Washington DC, Poster, March 10, 2010.

115. Canfield MA, Ramadhani T, Waller DK, Correa A, Royle M . Pregnancy related behavioral risk factors: the difference between US and foreign born parents among racial/ethnic groups**.**. *16th Annual Maternal and Child Health Epidemiology Conference*, San Antonio, TX, December 15-17, 2010.

116. Canfield MA. National Birth Defects Prevention Study: Race, Ethnicity, Nativity and Acculturation: Recent Findings and Ongoing Projects. Presented in a session on the National Birth Defects Prevention Study at the *13th Annual Meeting of the National Birth Defects Prevention Network*, Washington, DC, March 8-10, 2010. [Invited speaker]

117. Carmichael SL, Cogswell M, Ma C, Olney RS, Correa A, Shaw GM. Hypospadias and maternal phytoestrogen intake. *American College of Epidemiology,* San Francisco, CA, September, 2010.

118. Carmichael SL, Ma C, Correa A, Olney RS, Shaw GM. Hypospadias and potentially estrogenic nutrients. *Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, CA, June 2010; and the *National Birth Defects Prevention Network Annual Meeting*, Washington, DC, February, 2010.

119. Case A, Royle M, Scheuerle A, Carmichael S, Mitchell L. What Do You Think Causes Birth Defects? A Content Analysis of Mothers' Responses in the National Birth Defects Prevention Program Study. *16th Annual Maternal and Child Health Epidemiology Conference*, San Antonio, TX, December 15-17, 2010.

120. Caspers KM, Oltean C, Romitti PA, Sun L, Pober B, Rasmussen SA, Yang W, Druschel CM, and the NBDPS. (2010) Maternal periconceptional exposure to cigarette smoking and alcohol consumption and congenital diaphragmatic hernia. (Poster presentation at the *23rd Annual Society for Pediatric and Perinatal Epidemiologic Research Meeting*).

121. Caton AR, Bell EM, Druschel CM, Werler MM, Browne ML, McNutt LA, Romitti PA. Periconceptional beta blocker use and severe hypospadias. Poster Presentation, *Society for Epidemiologic Research 43rd Annual Meeting*, Seattle, Washington, June 2010.

122. Caton AR, Bell EM, Druschel CM, Werler MM, Browne ML, McNutt LA, Romitti PA. Antihypertensive medication use during pregnancy and the risk of orofacial clefts. Poster Presentation, *Society for Pediatric and Perinatal Epidemiologic Research 23rd Annual Meeting*, Seattle, Washington, June 2010.

123. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Maternal hypertension, antihypertensive medication use, and the risk of selected birth defects, Oral Presentation, *Annual Meeting of the Centers for Birth Defects Research and Prevention*, Decatur, Georgia, January 2010.

1. Feldkamp ML, Gastroschisis: A Journey to Discover the Pieces of the Puzzle Presented at the *50th Teratology Society Meeting*, Louisville, Kentucky June 27, 2010.

2. Feldkamp ML, Carey JC, Pimentel R, Krikov S , Botto LD**,** Is gastroschisis truly a sporadic defect? Familial cases of gastroschisis in Utah, 1997 to 2008. Presented at the Society for Pediatric and Perinatal Epidemiology June 2010, David W. Smith Workshop, August 29, 2010 and the *International Clearinghouse for Birth Defects Surveillance and Research*, November 1, 2010.

124. Hartman R, Colarusso T, Lin A, Frías J, Patel S, Duwe K, Correa A, Rasmussen S. Descriptive Study of Atrioventricular Septal Defects in the National Birth Defects Prevention Study, 1997-2005. *National Birth Defects Prevention Network*, March 10, 2010, Washington, D.C., Poster.

125. Hobbs CA. National Birth Defects Prevention Study Focus on Over-the-Counter and Prescription Medications. *50th Annual Meeting of The Teratology Society in conjunction with the 23rd Annual education conference Organization of Teratology Information Specialists*. Louisville, KY. June 2010.

126. Hobbs CA, Cleves MA, MacLeod S, Erickson S. Conotruncal Heart Defects Associated with SNPs in 61 Genes in Three Folate-Related Candidate Pathways. Presented at *Pediatric Academic Societies Meeting.* Vancouver, British Columbia, May 2010.

127. Keppler-Noreuil K, Caspers KM, Sun L, Carey JC, Romitti PA and the National Birth Defects Prevention Study. (2010) Clinical and risk factor analysis of cloacal exstrophy in the National Birth Defects Prevention Study (NBDPS). (Oral presentation at the *31st Annual David W. Smith Workshop on Malformations and Morphogenesis*).

128. Lin AE, Krikov S, Riehle-Colarusso T, Belmont J, Geva T, Anderka M, Botto LD. Laterality Defects in the National Birth Defects Prevention Study: Descriptive Epidemiology. *Am College Med Genet*, March 26, 2010, Albuquerque, NM, Poster.

129. Lin AE, Krikov S, Riehle-Colarusso T, Belmont J, Geva T, Anderka M, Getz K, Botto LD. Laterality Defects in the National Birth Defects Prevention Study: Occurrence, Racial/Ethnic Analysis, and Defect Patterns. *David W. Smith Workshop on Malformations and Morphogenesis*, August 28, 2010, Alderbrook, WA, Poster.

130. Ma C, Carmichael SL, Scheuerle AC, Canfield MA, Shaw GM. Anotia and microtia in infants associated with maternal obesity and periconceptional folic acid use. *Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, CA, June 2010.

131. Ramadhani T. The association between pregnancy-related risk factors and nativity status, by race/ethnicity. *16th Annual Maternal and Child Health Epidemiology Conference*. December 15-17, 2010, San Antonio, TX.

132. Ramadhani T, Short V, Canfield MA, Waller DK, Royle M, Correa A, Scheuerle A and the National Birth Defects Prevention Study Birth defects in Non-Hispanic Blacks: Are they Related to Mothers' Nativity? Presented as poster at the *Annual Meeting of the National Centers for Birth Defects Research and Prevention*, January 26-27, 2010, Decatur, GA.

133. Rocheleau C, Romitti PA, Sanderson W, Bell E, Druschel CM. (2010) Effect of survey instrument on participation: a randomization study of a mailed questionnaire versus a computer-assisted telephone interview. *Am J Epidemiol* 171 (Suppl 11):S146. Poster presentation at the *43rd Annual Society for Epidemiologic Research Meeting.*

134. Rocheleau CM, Romitti PA, Sanderson WT, Lawson CC, Sun L, Waters MA, Stewart PA, Reefhuis J, Olney RS, and the National Birth Defects Prevention Study. (2010) Maternal occupational pesticide exposure and risk of hypospadias in the National Birth Defects Prevention Study. (Poster presentation at the *23rd Annual Society for Pediatric and Perinatal Epidemiologic Research Meeting*).

135. Romitti PA, Druschel CM, Sun L, Browne ML, Botto LD, Lin AE, and the National Birth Defects Prevention Study (NBDPS). (2010) Maternal periconceptional alcohol consumption and cardiovascular malformations (CVM)s. *Am J Epidemiol* 171 (Suppl 11):S9. Poster presentation at the *43rd Annual Society for Epidemiologic Research Meeting.*

2009

136. Anderka M. Using the NBDPS to study maternal medication use in pregnancy. *National Birth Defects Prevention Network Annual Meeting*. February 2009.

137. Broussard CS, Louik C, Reefhuis J, Moore CA, Honein MA. Association of Periconceptional Ginkgo Biloba Use with Selected Major Birth Defects. *National Birth Defects Prevention Network Annual Meeting,* Feb 2009, Nashville, TN.

138. Broussard CS, Rasmussen SA, Reefhuis J, Riehle-Colarusso T, Friedman JM, Jann MW, Honein MA, and the National Birth Defects Prevention Study. Early-Pregnancy Opioid Analgesic Treatment and Risk for Congenital Heart Defects. *International Conference on Pharmacoepidemiology and Therapeutic Risk Management*, August 2009, Providence, RI; *David W. Smith Meeting on Malformations and Morphogenesis*, August 2009, Philadelphia, PA; *Annual Meeting of the Teratology Society*, July 2009, Puerto Rico.

139. Broussard CS, Rasmussen SA, Reefhuis J, Riehle-Colarusso T, Friedman JM, Jann MW, Honein MA. Early-Pregnancy Opioid Analgesic Treatment and Risk for Congenital Heart Defects. *Pharmacoepidemiology and Drug Safety* 2009;18:S199-200.

140. Broussard CS, Rasmussen SA, Reefhuis J, Friedman JM, Jann MW, Honein MA. Early-Pregnancy Opioid Analgesic Treatment and Risk for Congenital Heart Defects. *Birth Defects Research (Part A)* 2009;85:411.

141. Broussard CS, Rasmussen SA, Reefhuis J, Friedman JM, Jann MW, Honein MA, and the National Birth Defects Prevention Study. Early-Pregnancy Opioid Analgesic Treatment and Risk for Congenital Heart Defects—United States, 1997–2004. *Epidemic Intelligence Service Conference*, April 2009, Atlanta, GA.

142. Broussard CS, Rasmussen SA, Reefhuis J, Friedman JM, Jann MW, Honein MA. Maternal Opioid Analgesic Treatment and Risk for Major Birth Defects. *National Birth Defects Prevention Study Annual Meeting*, January 2009, Decatur, GA.

143. Canfield MA, Olney RS, Moore C, Ramadhani T, Lupo PJ, Shaw GM, Mitchell LE; National Birth Defects Prevention Study. Clinical Subtypes of Spina Bifida by Maternal Race/Ethnicity in the National Birth Defects Prevention Study. Oral presentation at *Sixth International Neural Tube Defects Conference*. September 12-15, 2009, Burlington, VT.

144. Canfield MA, Ramadhani TA, Shaw GM, Carmichael SL, Waller DK, Mosley BS, Royle MH, Olney RS, and the National Birth Defects Prevention Study. Anencephaly and Spina Bifida among Hispanics: Acculturation Factors in the National Birth Defects Prevention Study. Oral presentation at the *Annual Meeting of the National Centers for Birth Defects Research and Prevention*. January 2009, Atlanta, GA.

145. Canfield MA, Ramadhani TA, Shaw GM, Carmichael SL, Waller DK, Mosley BS, Royle MH, Olney RS, and the National Birth Defects Prevention Study. Anencephaly and Spina Bifida among Hispanics: Acculturation Factors in the National Birth Defects Prevention Study. Poster presented at the *Annual Meeting of the National Birth Defects Prevention Network.* February 2009, Nashville, TN.

146. Canfield MA, Ramadhani T, Shaw GM, Waller DK, Carmichael SL, Mosley B, Olney RS, and the National Birth Defects Prevention Study. Are offspring of less acculturated Hispanic parents at higher risk for spina bifida and anencephaly? Poster presented at a *research conference sponsored by the UT School of Nursing Center for Health Promotion Research, entitled "Promoting Health in Underserved Populations: Health Disparities, from Local to Global",* Austin, TX, February 18, 2009.

147. Carmichael SL, Lammer EJ, Rasmussen SA, Ma C, Shaw GM. Sagittal synostosis and maternal nutrient intake. *Teratology*, San Juan, Puerto Rico, June, 2009.

148. Derrington T, Donahue S, Weiss J, Kotelchuck M, Lin AE, Riehle-Colarusso T, Correa A. Using a Unique Linked Data System to Assess Live Birth Prevalence, Co-occurring Birth Defects, and Case Fatality Rates among Infants with Down Syndrome in Massachusetts, 2001-2005. *National Birth Defects Prevention Network Annual Meeting*; Nashville, TN: February 24, 2009.

3. Feldkamp ML, Stone MB, Carmichael SL, Shaw GM, Moore CA, Botto LD**,** Maternal Nutrition and Risk for Gastroschisis: Findings from the National Birth Defect Prevention Study. Presented at the 49th Teratology Society Meeting, Puerto Rico June 2009 and *International Clearinghouse for Birth Defects Research and Prevention*, Salt Lake City September 2009.

149. Fisk Green, R, Devine O,Crider KS, Olney RS, Archer N, Olshan A, Shapira SK, Association of Paternal Age and Risk for Congenital Anomalies from the National Birth Defect Prevention Study, 1997-2004. Poster presented at the annual meeting of The American Society of Human Genetics, November 2008, Philadelphia, Pennsylvania). Poster presented at the *National Birth Defects and Prevention Network Annual Meeting,* February 2009 in Nashville, TN.

150. Gripp KW, Lin AE (updated May 2009) Costello Syndrome in: GeneReviews at GeneTests: Medical Genetics Information Resource [database online]. Copyright, University of Washington, Seattle. 1997-2009. Available at http://www.genetests.org

151. Grisenbeck J, Steck M, Huber, Jr. J, Sharkey J, Rene A, Brender J**.** Development of estimates of dietary nitrates, nitrites, and nitrosamines for use with the Short Willet Food Frequency Questionnaire. *Am J Epidemiol* 2009; 169(Suppl):S119.

152. Hobbs CA, Weedn A, Mosley BS, Waller DK, Canfield M, Correa A, Cleves MA. Prenatal diagnosis of birth defects in the National Birth Defects Prevention Study. Poster presented at the *49th Annual Teratology Society Meeting*. Rio Grande, Puerto Rico. June 2009.

153. Hobbs CA. The (US) National Birth Defects Prevention Study: Epidemiological Approach Emphasizing Genitourinary System Anomalies. Poster presented at *7th Annual Canadian Congenital Anomalies Surveillance Network Scientific Meeting*. Ottawa, Canada. November 2009.

154. Lin AE. Session Organizer and Moderator of Plenary Session, "Here's Looking at You: Craniofacial Defects". *National Defects Prevention Network Annual Meeting*. Nashville, TN, February 22, 2009. Plenary.

155. Lin AE Invited speaker. Branchio-Oculo-Facial syndrome: Cardinal Signs. *American College of Medical Genetics*, Tampa, Florida. March 28, 2009.

156. Lin AE The Robert L. Summtt, Sr. MD, "Distinguished Visiting Professorship in Medical Genetics", University of Tennessee, LeBonheur Children's Hospital, Memphis, TN, May 27, 2009. "The Family of the Ras'MAPK Pathway Syndromes: Noonan Syndrome and Kissin' Cousins"; "Getting Started in Medical Writing"; "Aortic Dilation and Dissection in Turner Syndrome".

157. Lupo PJ, Symanski E, Chan W, Waller DK, Canfield MA, Langlois PH, Mitchell LE; National Birth Defects Prevention Study. An Evaluation of the Validity of Using Composite Endpoints for Neural Tube Defects in the National Birth Defects Prevention Study. Oral presentation at *Sixth International Neural Tube Defects Conference*. September 12-15, 2009, Burlington, VT.

158. Malik S. Congenital heart defects: Environmental and genetic factors. *CDC Birth Defects Surveillance Regional Meeting*. Little Rock, AR. May 2009.

159. Ramadhani T, Canfield MA, Waller DK, Royle M, Correa A, and the National Birth Defects Prevention Study. Variation in pregnancy-related risk behaviors and maternal conditions among U.S.- and foreign-born mothers, by race/ethnicity. Poster presented at the *12th Annual Meeting of the National Birth Defects Prevention Network*, Nashville, TN, February 23-25, 2009.

160. Tinker SC, Reefhuis J, Dellinger AM, Jamieson DJ. "Epidemiology of maternal injuries during pregnancy, National Birth Defects Prevention Study, 1997-2005." Presented at the 49th *Teratology Society Annual Meeting*. Rio Grande, Puerto Rico, June 2009.

161. Weedn A. Maternal report of prenatally diagnosed birth defects in the National Birth Defects Prevention Study. Poster presented at the *Pediatric Academic Societies Annual Meeting*. Baltimore, MD. May 2009; poster presented at the *6th Annual Heartland Genetics and Newborn Screening Collaborative Conference*. Little Rock, AR. September 2009.

162. Werler MM. Anti-Epileptic Medications and Birth Defects. *National Birth Defects Prevention Study Annual Meeting*, January, 2009.

163. Yazdy M, Liu S, Mitchell AA, Werler MM. Maternal dietary glycemic intake and the risk of neural tube defects. Student Prize Paper and platform presentation at *Society for Pediatric and Perinatal Research, Anaheim*, CA, June 2009. http://www.sper.org/FinalProgram-2009.pdf

2008

164. Bell EM, Chen L, Caton AR, Druschel CM, Lin S. Air pollutants and birth defects in New York State, Poster Presentation, *National Birth Defects Prevention Network Annual Meeting*, Washington, DC, February 2008.

165. Broussard CS, Friedman JM, Rasmussen SA, Reefhuis J, Jann MW, Honein MA, and the NBDPS. Therapeutic opioid analgesic use before and during pregnancy, National Birth Defects Prevention Study (NBDPS), 1997-2003. *Pharmacoepidemiology and Drug Safety* 2008;17:S156.

166. Broussard CS, Friedman JM, Rasmussen SA, Reefhuis J, Jann MW, Honein MA, and the National Birth Defects Prevention Study. Therapeutic opioid analgesic use before and during pregnancy, National Birth Defects Prevention Study, 1997-2003. *International Conference on Pharmacoepidemiology and Therapeutic Risk Management*, August 2008, Copenhagen, Denmark; *Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, June 2008, Chicago, IL.

167. Broussard CS, Louik CA, Honein MA, Mitchell AA, and the National Birth Defects Prevention Study. Herbal use before and during pregnancy – United States, 1998-2003. *Epidemic Intelligence Service Conference*, April 2008, Atlanta, GA.

168. Broussard CS, Louik CA, Honein MA, Mitchell AA, and the National Birth Defects Prevention Study. Herbal use before and during pregnancy. *National Birth Defects Prevention Network Annual Meeting*, Feb 2008, Washington, DC.

169. Broussard CS, Rasmussen SA, Reefhuis J, Friedman JM, Jann MW, Honein MA. Maternal Opioid Analgesic Treatment and Risk for Major Birth Defects: Preliminary Results from the National Birth Defects Prevention Study, 1997-2004. *Maternal and Child Health Epidemiology Conference*, December 2008, Atlanta, GA.

170. Broussard CS, Reefhuis J, Friedman JM, Rasmussen SA, Jann MW, Honein MA, and the National Birth Defects Prevention Study. Opioid analgesic treatment during pregnancy and adverse fetal outcomes. *Pharmacoepidemiology and Drug Safety* 2008;17:S161.

171. Broussard CS, Reefhuis J, Friedman JM, Rasmussen SA, Jann MW, Honein MA. Opioid analgesic treatment during pregnancy and adverse fetal outcomes: Results from the National Birth Defects Prevention Study, 1997-2003. *Birth Defects Research (Part A)* 2008;82:306.

172. Broussard CS, Reefhuis J, Friedman JM, Rasmussen SA, Jann MW, Honein MA, and the National Birth Defects Prevention Study. Opioid analgesic treatment during pregnancy and adverse fetal outcomes: Results from the National Birth Defects Prevention Study, 1997-2003. *International Conference on Pharmacoepidemiology and Therapeutic Risk Management*, August 2008, Copenhagen, Denmark; *Annual Meeting of the Teratology Society*, July 2008, Monterey, CA.

173. Browne ML, Caton AR, Rasmussen SA, Druschel CM, Lin AE, Canfield MA, Romitti PA, Hoyt AT, and the National Birth Defects Prevention Study. Maternal thyroid disease and cardiovascular malformations in the National Birth Defects Prevention Study. Poster presented at the *11th Annual Meeting of the National Birth Defects Prevention Network*, Washington, D.C., February 2008.

174. Browne ML, Caton AR, Rasmussen SA, Hoyt AT, Druschel CM, Lin AE, Waller DK, Canfield MA, Romitti PA. Maternal thyroid disease and cardiovascular malformations in the National Birth Defects Prevention Study. Presented at the *48th Annual Meeting of the Teratology*, Monterey, California, June 28–July 2, 2008.

175. Canfield MA, Ramadhani T, Shaw GM, Waller DK, Carmichael SL, Mosley B, Olney RS, and the National Birth Defects Prevention Study. Are less acculturated Hispanic parents at higher risk for having offspring with neural tube defects. Poster presented at the *Texas Birth Defects Research Symposium*, Lubbock, TX, October 2008.

176. Canfield MA, Ramadhani T, Shaw GM, Waller DK, Carmichael SL, Mosley B, Olney RS, and the National Birth Defects Prevention Study. Are offspring of less acculturated Hispanic parents at higher risk for spina bifida and anencephaly? Poster presented at the *41st Annual Society for Epidemiologic Research Meeting*, Chicago, Illinois, June 2008.

177. Carmichael SL, Yang W, Correa A, Olney RS, Shaw GM. Hypospadias and intake of nutrients related to one-carbon metabolism. *Teratology*, Monterey, CA, June, 2008 and *MCH Epi Conference*, Atlanta, December, 2008.

178. Caton A. Invited Symposium: Understanding fetal risks of antihypertensive medication use during pregnancy, Oral Presentation, Panel Member, *International Conference on Pharmacoepidemiology and Therapeutic Risk Management*, Copenhagen, Denmark, August 2008.

179. Chowdhury S. Risk of congenital limb defects and polymorphisms in folate pathway genes. *Arkansas Biosciences Institute Fall Research Symposium*. Little Rock, AR, October 2008.

180. Cogswell ME, Bitsko R, Anderka M, Caton A, Feldkamp M, Meyer R, Ramadhani T, Robbins J, Shaw G, Hockett Sherlock S, Reefhuis J; National Birth Defects Prevention Study. Does selection method affect representativeness of controls? National Birth Defects Prevention Study, 1997-2003. *21st Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*, Chicago, IL, June 2008.

181. Cogswell M, Bitsko R, Anderka M, Caton A, Feldkamp M, Meyer R, Ramadhani T, Robbins J, Shaw G, Sherlock SH, Reefhuis J. Does selection method affect representativeness of controls? National Birth Defects Prevention Study. *Am J Epidemiol* 2008;167(Suppl):S111.

182. Collier S, Dollard S, Mei J, Honein M, Hannon WH, Frias JL, Shaw GM, Meyer R, Chaing S, Canfield MA, Rasmussen SA. The contribution of CMV to hydrocephalus: A pilot study using newborn dried blood spots. Presented at the *Congenital Cytomegalovirus Conference*, Atlanta, GA, November 2008.

183. Ethen MK, Ramadhani TA, Scheuerle AE, Canfield MA, Wyszynski DF, Druschel CM, Romitti PA, and the National Birth Defects Prevention Study. Alcohol Consumption by Women Before and During Pregnancy. Poster presented at Poster presented at the *Texas Birth Defects Research Symposium*, Lubbock, TX, October 2008.

4. Feldkamp ML, Carey JC, Pimentel R, Krikov S , Botto LD**,** Is gastroschisis truly a sporadic defect? Familial cases of gastroschisis in Utah, 1997 to 2008. Presented at the Society for Pediatric and

Perinatal Epidemiology June 2010, David W. Smith Workshop, August 29, 2010 and the *International Clearinghouse for Birth Defects Surveillance and Research*, November 1, 2010.

5. Fisk Green, R, Devine O,Crider KS, Olney RS, Archer N, Olshan A, Shapira SK, Association of Paternal Age and Risk for Congenital Anomalies from the National Birth Defect Prevention Study, 1997-2004. Poster presented at the annual meeting of *The American Society of Human Genetics*, November 2008, Philadelphia, PA.

184. Jenkins MM, Gallagher ML, Rasmussen SA, Sturchio C, Koontz DA, Richter P, Collier S, Honein MA, and the National Birth Defects Prevention Study. Evaluation of the quality and quantity of DNA from buccal samples in the National Birth Defects Prevention Study. Poster presentation, *American Society of Human Genetics Meeting*, San Diego, CA, Oct 2007; Poster presentation, 10 yr Anniversary meeting of the National Office of Public Health Genomics, Atlanta, GA, Jan 2008.

185. MacLehose RF. Bayesian adjustments for misclassification of maternal smoking. *Centers for Disease Control and Prevention (invited talk)*, Atlanta GA; January 2008.

186. Olshan AF. Incorporating study of genetic risk factors into the National Birth Defects Prevention Study. *Teratology Society Annual Meeting*, Monterey CA; July 2008.

187. Ramadhani T, Canfield MA, Waller DK, Royle M, Correa A, and the National Birth Defects Prevention Study. Variation in pregnancy-related risk factors among foreign- vs. US-born mothers, by race/ethnicity. Poster presented at the *Texas Birth Defects Research Symposium*, Lubbock, TX, October 2008.

188. Ramadhani T, Canfield MA, Waller K, Royle M, Correa A, and the National Birth Defects Prevention Study. Variation in pregnancy-related risk behaviors and maternal conditions among United States and foreign born mothers by race/ethnicity. Poster presented at the *41st Annual Society for Epidemiologic Research Meeting*, Chicago, Illinois, June 2008.

189. Ramadhani T, Canfield MA, Waller K, Royle M, Correa A, and the National Birth Defects Prevention Study. Variation in pregnancy-related risk behaviors and maternal conditions among United States and foreign born mothers by race/ethnicity. Poster presented at the *National Birth Defects and Prevention Network 11th Annual Meeting,* February 2008 in Washington, D.C.

190. Ramadhani T, Canfield MA, Waller K, Royle M, Correa A, Angela Scheuerle and the National Birth Defects Prevention Study. Variation in pregnancy-related risk behaviors and maternal conditions among United States and foreign born mothers by race/ethnicity. Poster presented at the *Texas Birth Defects Research Symposium*, Lubbock, TX, October 2008.

191. Ramadhani T, Short V, Canfield MA, Waller DK, Correa A, Royle M, Scheuerle A, and the National Birth Defects Prevention Study. Birth defects in non-Hispanic blacks: Are they related to mothers' birth nativity? Poster presented at the *Texas Birth Defects Research Symposium*, Lubbock, TX, October 2008.

192. Ramadhani T, Short V, Canfield MA, Waller K, Royle M, Correa A, Scheuerle A, and the National Birth Defects Prevention Study. Birth defects in Hispanics: Are they related to mothers' birthplace? Poster presented at the *National Birth Defects and Prevention Network Annual Meeting,* February 2008 in Washington, D.C.

193. Rauen KA, Hefner E, Carrillo K, Taylor J, Messier L, Aoki Y, Gripp KW, Matsubara Y, Proud VK, Hammond P, Allanson JE, Delrue MA, Axelrad ME, Lin AE, Doyle DA, Kerr B, Carey JC, McCormick F, Silva AJ, Kieran MW, Hinek A, Nguyen TT, Schoyer L, Molecular Aspects, Clinical Aspects and Possible Treatment Modalities for Costello Syndrome: Proceedings from the

1st International Costello Syndrome Research Symposium 2008. Am J Med Genet Part A 146A:1205-1217.

194. Romitti PA, Druschel CM, Sun L, Browne ML, Botto LD, Lin AE. (2008) Maternal periconceptional alcohol consumption and cardiovascular malformations. (Poster presentation at the *21st Annual Society for Pediatric and Perinatal Epidemiologic Research Meeting*)

195. Romitti PA, Sun L, Herring A, Druschel CM, Mitchell A, Werler M, Louik C, Olney RS. Maternal periconceptional use of dextromethorphan and selected birth defects. (2008) (Poster presentation at the *24th Annual International Society for Pharmacoepidemiology Meeting*) Poster Award Winner: Medicines in Pregnancy.

196. Siega-Riz AM. Maternal obesity, diabetes, and nutrients: their role in birth defects. *National Birth Defects Network Meeting*, Washington DC; February 2008.

2007

197. Bitsko, RH, Reefhuis, J, Feldkamp, M, Werler, M, Waller, K, Frias, J, Honein, M (2007). Periconceptional Use of Weight-Loss Products Including Ephedra and the Association with Birth Defects — The National Birth Defects Prevention Study, 1997–2003. *Epidemic Intelligence Service Conference*, April 16-20, Atlanta, GA.

198. Bitsko, RH, Reefhuis, J, Feldkamp, M, Werler, M, Waller, K, Frias, J, Honein, M (2007). Periconceptional Use of Weight-Loss Products and the Association with Birth Defects. *40th Annual Society for Epidemiologic Research (SER) Meeting*, June 19-22, Boston, Massachusetts.

199. Bitsko, RH, Reefhuis, J, Feldkamp, M, Werler, M, Waller, K, Frias, J, Honein, M (2007). Periconceptional use of weight-loss products and the association with birth defects**.** *Twentieth Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*, June 18-19, Boston, Massachusetts.

200. Canfield MA, Shaw G, Ramadhani T, Waller K, Mosley B, Carmichael S, Royle M, Olney R. Folic acid and NTDs in Hispanics and Whites: National Birth Defects Prevention Study, 1999-2003. Invited presentation at the National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention for the National Birth Defects Prevention Study. Atlanta, GA, August 2007.

201. Carmichael SL, Shaw GM, Ma C, Werler MM, Rasmussen SA, Lammer EJ. Maternal corticosteriod use and orofacial clefts. . *Maternal and Child Health Epidemiology Conference*, Atlanta, December, 2006 and *National Birth Defects Prevention Network*, San Antonio, TX, February 2007.

202. Carmichael SL, Ma C, Rasmussen SA, Honein MA, Lammer EJ, Shaw GM. Craniosynostosis and maternal smoking. *Teratology*, Philadelphia, June, 2007.

203. Carter TC, et al. Lower genital tract infection and birth defects. *Teratology Society Annual Meeting*, Pittsburgh, PA, June 2007.

204. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Antihypertensive medication use during pregnancy, Oral Presentation, *Maternal and Child Health Epidemiology Annual Meeting*, Atlanta, Georgia, December 2007.

205. Caton A, Bell E, Druschel C, Werler M, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Maternal hypertension, antihypertensive medication use, and the risk of severe hypospadias, Poster Presentation, *Society for Paediatric and Perinatal Epidemiologic Research 20th Annual Meeting*, Boston, Massachusetts, June 2007.

206. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Antihypertensive medication use and congenital heart defects, Oral Presentation, *National Birth Defects Prevention Network Annual Meeting*, San Antonio, Texas, February 2007.

207. Cleves MA, Karim MA, MacLeod SL, Hobbs CA. *Congenital Hearts, Maternal Genetic Susceptibility and Pro-oxidant Lifestyle Factors*. Presented at the *International Genetic Epidemiology 16th Annual Meeting*, York, England, United Kingdom. September 8, 2007 to September 9, 2007.

208. Correa A, Besser LM, Gilboa SM, Botto L, Moore CA, Hobbs CA, Cleves M, Riehle-Colarusso T, Waller DK, Reece EA. Spectrum of birth defects associated with maternal diabetes. Presented at *National Birth Defects Prevention Study Meeting,* November 2006 in Atlanta, GA and *National Birth Defects and Prevention Network Annual Meeting* February 2007 in San Antonio, Texas, and the *American Diabetes Association Scientific Sessions*, Chicago, IL, June 2007.

6. Feldkamp ML, Reefhuis J, Kucik J, Krikov S, Wilson A, Moore CA, Carey JC, Botto LD, Maternal Genitourinary Infections and the Risk of Gastroschisis - National Birth Defects Prevention Study, 1997-2003. Presented at the David Smith Workshop August 2007.

209. Hashmi SS, Waller DK, Langlois PH, Rasmussen SA and Hecht JT. Maternal Hyperthermia and Orofacial Clefting – Preliminary Results from the National Birth Defects Prevention Study. Presented at the *Centers for Birth Defects Research and Prevention Annual Meeting,* November 2007, Atlanta, Georgia.

210. Herring AM, Romitti PA, Sun L, Druschel CM, Werler MM, Louik C, Mitchell AA, Olney R, and the National Birth Defects Prevention Study. (2007) Association between dextromethorphan and guaifenesin exposure and selected birth defects. (Poster presentation at the *University of Iowa Research Week*).

211. Hobbs CA. Birth defects and folic acid intake. *College of Public Health*, UAMS, January 11, 2007.

212. Hobbs CA. Maternal Biomarkers and Birth Defects. Presented at the *6th Conference on Homocysteine Metabolism World Congress on Hyperhomocysteinemia*, Saarbruecken, Germany. June 8, 2007.

213. Hobbs CA. Molecular Epidemiological Tool Kit for Personalized Medicine. Presented at the *47th Annual Meeting of the Teratology Society*. Pittsburgh, PA. June 28, 2007.

214. Hobbs CA. Neural tube defect: Translating research into prevention. *2007 University of Arkansas for Medical Sciences Perinatal Conference*. Little Rock, Arkansas, January 25, 2007.

215. Hobbs CA. Risk of congenital heart defects. *2007 NBDPN 10th Annual Meeting*, San Antonio, Texas) February 6, 2007.

216. Lin S, Bell E, Munsie JP, Browne M, Druschel C, Romitti PA, Mitchell A, Lin AE, Olney RS and the National Birth Defects Prevention Study. Maternal asthma medication use and the risk of birth defects. *National Birth Defects Prevention Network Meeting*, February 2007, Austin, TX.

217. Lin S, Bell E, Munsie JP, Browne M, Druschel C, Romitti PA, Mitchell A, Lin AE, Olney RS and the National Birth Defects Prevention Study. Maternal asthma medication use and the risk of gastrochisis. *Society for Pediatric and Perinatal Epidemiology*, June 2007, Boston, MA.

218. Lin S, Bell E, Munsie JP, Browne M, Druschel C, Romitti PA, Mitchell A, Lin AE, Olney RS and the National Birth Defects Prevention Study. Maternal asthma medication use and the risk of selected birth defects. *Society for Pediatric and Perinatal Epidemiology*, June 2007, Boston, MA.

219. Lin S, Munsie JP, Bell E, Druschel C, Romitti PA, Mitchell A, Olney RS and the National Birth Defects Prevention Study. Maternal astma medication use and the risk of gastroschisis. (*2007 UCSF-CHE Summit on Environmental Challenges to Reproductive Health and Fertility*, San Francisco, CA).

220. Malik S. Urinary tract infection in pregnancy as a risk factor for congenital heart defects. *American Heart Association Annual Scientific Session*. Orlando, FL. November 2007.

221. Ramadhani T, Ethen MK, Scheuerle AE, Canfield MA, Wyszynski DF, Druschel CM, Romitti PA. Alcohol consumption by women in the U.S. before and during pregnancy. Poster presented at the *2nd International Conference on Fetal Alcohol Spectrum Disorders*, March 2007, Victoria, British Columbia, Canada.

222. Ramadhani T, Short V, Canfield MA, Waller K, Royle M, Correa A, Scheuerle A, and the National Birth Defects Prevention Study. Birth defects in Hispanics: Are they related to mothers' birthplace? Poster presented at the *Centers for Birth Defects Research and Prevention 2007 Annual Meeting*, Atlanta, GA, November 2007.

223. Schmidt RJ, Romitti PA, Burns TL, Murray JC, Druschel C, Browne M, Olney RS, and the National Birth Defects Prevention Study. (2007) Maternal caffeine intake, select metabolic gene variants and neural tube defects. (Oral presentation at the *5th International NTD Conference*).

224. Schmidt RJ, Romitti PA, Burns TL, Murray JC, Druschel C, Browne M, Olney RS, and the National Birth Defects Prevention Study. (2007) Maternal caffeine intake, select metabolic gene variants and neural tube defects. (Poster presentation at the *American College of Epidemiology Annual Meeting*).

225. Schmidt RJ, Romitti PA, Burns TL, Murray JC, Druschel C, Browne M, Olney RS, and the National Birth Defects Prevention Study. (2007) Maternal caffeine intake, select metabolic gene variants and neural tube defects. (Poster presentation at the *University of Iowa Department of Epidemiology Poster Day*).

226. Shapira SK, Werler MM, Moore CA, and Holmes LB. Clinical and epidemiological features of amniotic band syndrome and limb-body wall complex. Presentation at the *David W. Smith Workshop on Malformations and Morphogenesis,* August 8-12 2007, Williamsburg, VA.

227. Shapira SK, Werler MM, Moore CA, and Holmes LB. Clinical Phenotype and Maternal Factors Involved in Amniotic Band Syndrome. Poster presented at the *National Birth Defects and Prevention Network Annual Meeting,* February 2007 in San Antonio, Texas.

228. Wong-Gibbons DL, Romitti PA, Sun L, Olshan A, Reefhuis J, Moore C, Bell E, and the National Birth Defects Prevention Study. (2007) Smoking, alcohol and esophageal atresia with or without tracheo-esophageal fistula (EA ± TEF). (Poster presentation at the *University of Iowa Research Week*).

2006

229. Bingay, E, Casey, L, Anderka, M. Supplementing Ascertainment of Hypospadias Cases in MA with Medical Records from an Pediatric Outpatient Clinic. Presented as a poster at the *National Birth Defects Prevention Network Annual Meeting* 2006.

230. Brown M, Druschel C, Mitchell A, Bell E, Lin A, Romitti P, and Correa A. Maternal caffeine consumption and risk of septal and obstructive cardiovascular malformations in the National Birth Defects Prevention Study. Presented at the *National Birth Defects and Prevention Network Annual Meeting,* January 2006 in Arlington, Virginia.

231. Browne ML, Durschel CM, Mitchell AA, Romitti PA, Lin AE, Correa A. Maternal caffeine consumption and risk of cardiovascular malformations in the National Birth Defects Prevention Study. (*2006 NBDPN 9th Annual Meeting*, San Francisco, CA).

232. Canfield MA, Ramadhani T, Shaw GS, Mosely B, Waller DK, Carmichael SC, Olney R, Royle M. Periconceptional folic acid and neural tube defects in Hispanics and non-Hispanic whites. Presented at the *Annual Meeting of the National Centers for Birth Defects Research and Prevention*, Atlanta, GA, November 2006.

233. Carter TC, et al. Antifungal drugs and the risk of selected birth defects. *Conference on Health Promotion*. September 2006.

234. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Antihypertensive medication use and congenital heart defects, Oral Presentation, *Maternal and Child Health Epidemiology Annual Meeting*, Atlanta, Georgia, December 2006.

235. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Maternal high blood pressure, antihypertensive medication use, and cardiovascular malformations, Oral Presentation, *Annual Meeting of the Centers for Birth Defects Research and Prevention*, Atlanta, Georgia, November 2006.

236. Caton A, Bell E, Druschel C, Werler M, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Maternal high blood pressure, antihypertensive medication use, and severe hypospadias, Poster Presentation, *Annual Meeting of the Centers for Birth Defects Research and Prevention*, Atlanta, Georgia, November 2006.

237. Caton A, Bell E, Druschel C, Werler M, Lin A, Mitchell A, Browne M, McNutt L, Romitti P, Olney R, Correa A. Antihypertensive medications and cardiovascular malformations, Poster Presentation, *Society for Paediatric and Perinatal Epidemiologic Research 19th Annual Meeting*, Seattle, Washington, June 2006.

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