

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME: Robert E. Meyer	POSITION TITLE: Director, N.C. Birth Defects Monitoring Program Center for Health Statistics, Division of Public Health N.C. Department of Health and Human Services
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EDUCATION (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of North Carolina, Charlotte, NC	BA	1983	Physical Anthropology
University of Tennessee, Knoxville, TN	MPH	1986	Environmental Health/Biostatistics
University of South Carolina, Columbia, SC	PhD	1992	Epidemiology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

Research and Professional Experience:

1986-1988	Research Associate, Health and Safety Research Division, Oak Ridge National Laboratory Oak Ridge, Tennessee
1988-1991	Perinatal Data Coordinator, Bureau of Maternal and Child Health, S.C. Department of Health and Environmental Control, Columbia, South Carolina
1991-1997	Statistician, State Center for Health Statistics, N.C. Division of Public Health, Raleigh, North Carolina
1996-Present	Adjunct Professor, Department of Maternal and Child Health, University of North Carolina-Chapel Hill
1997-Present	Director, N.C. Birth Defects Monitoring Program, State Center for Health Statistics, N.C. Division of Public Health, Raleigh, North Carolina

Other Experience and Committee Membership:

Coalition for Excellence in MCH Epidemiology, National Awards Committee, 2004-2007
State Infant Mortality Collaborative-N.C. Advisory Group, 2004-2007
Newborn Screening for Fragile X Syndrome Advisory Board, 2002-2007
Genomics Advisory Committee, N.C. Division of Public Health, 2002-2005
President, National Birth Defects Prevention Network, 2003
National Birth Defects Prevention Network Executive Committee, 1997-2004
NCDHHS Committee for the Protection of Human Subjects (IRB), 1998-2003
Executive Committee, N.C. Folic Acid Council, 1995-2005
N.C. Birth Defects Advisory Committee, 1994-
Delta Omega Society, Mu Chapter, 1993-

Honors and Awards:

Godfrey P. Oakley Jr. Award National Birth Defects Prevention Network, 2009
State Leadership Award, National Birth Defects Prevention Network, 2001
"Baby Bootie" Award, North Carolina Perinatal Association, 2000
South Carolina Public Health Scholarship, South Carolina Public Health Association, 1988

Selected Publications:

Journal Articles

- Meyer RE**, PA Buescher. Maternal mortality related to induced abortion in North Carolina: A historical study. *Family Planning Perspectives*, 1994, vol 26, no 4, pp. 179-180.
- Meyer RE**, PA Buescher, K Ryan. Recent infant mortality trends in North Carolina. *North Carolina Medical Journal*, 1995, vol 56, pp. 302-306.
- Meyer RE**, SJ Thompson, CL Addy, CZ Garrison, RG Best. Maternal serum placental alkaline phosphatase level and the risk for preterm delivery. *American Journal of Obstetrics and Gynecology*, 1995, vol 173, pp. 181-186.
- Martin SL, H Kim, LL Kupper, **RE Meyer**, M Hays. Is incarceration during pregnancy associated with infant birthweight? *American Journal of Public Health*, 1997, vol 87, no 9, pp. 1526-1531.
- Martin SL, RH Rieger, LL Kupper, **RE Meyer**, BF Qaqish. The effect of incarceration during pregnancy on birth outcomes. *Public Health Reports*, 1997, vol 112, no 4, pp. 340-346.
- Tessaro I, M Campbell, C O'Meara, H Herrick, **R Meyer**, T McGloin, M Roth, A Cross. State health department and university evaluation of North Carolina's maternal outreach worker program. *American Journal of Preventive Medicine*, 1997, vol 13 (suppl 2), pp. 38-44.
- Surles K, P Buescher, **R Meyer**. Infant mortality and low birthweight in North Carolina, the last 10 years. *North Carolina Medical Journal*, 1999, vol 60, pp. 163-168.
- Meyer RE**, PA Buescher, KB Surles. Multiple deliveries in North Carolina: Effects on birth outcomes. *Maternal and Child Health Journal*, 1999, vol. 3, pp. 233-240.
- Smith CG, PE Veenhuis, **RE Meyer**. Traumatic brain injury: North Carolina's challenge. *North Carolina Medical Journal*, 2001, vol. 62, pp. 328-340.
- Meyer RE**, A Wall, AJ Morgan, JE Devine, KE Powers. Knowledge and use of folic acid among North Carolina women. *North Carolina Medical Journal*, 2002, vol. 63, pp.18-22.
- Buescher PA, M Harper, **RE Meyer**. Enhanced surveillance of maternal mortality in North Carolina. *North Carolina Medical Journal*, 2002, vol. 63, pp.76-79.
- Meyer RE**, AM Siega-Riz. Sociodemographic patterns in spina bifida birth prevalence trends in North Carolina. *Morbidity and Mortality Weekly Report*, vol. 51, No. RR-13, September 13, 2002, pp.12-15.
- Farel AM, **RE Meyer**, M Hicken, LD Edmonds. Registry to referral: a promising means for identifying and referring infants and toddlers for early intervention services. *Journal of Infants and Young Children*, 2003, vol. 16, pp. 99-105.
- Laughon M, **R Meyer**, C Bose, A Wall, E Otero, A Heerens, R Clark. Rising birth prevalence of gastroschisis. *Journal of Perinatology*, 2003, vol 23, pp. 291-293.
- Harper MA, RP Byington, MA Espeland, M Naughton, **R Meyer**, K Lane. Pregnancy-related death and health care services. *Obstetrics and Gynecology*, 2003, vol. 102, pp. 273-278.
- Farel AM, **RE Meyer**, M Hicken LD Edmonds. Registry to Referral: Using Birth Defects Registries to Refer Infants and Toddlers for Early Intervention Services. *Birth Defects Research, Part A: Clinical and Molecular Teratology*, 2003, vol 67, pp. 647-650.
- Vahratian A, P Buekens, TA Bennett, **RE Meyer**, MD Kogan, SM Yu. Preterm delivery rates in North Carolina: Are they really declining among non-Hispanic African Americans? *American Journal of Epidemiology*, 2004, vol. 158, pp.59-63.
- Harper MA, MA Espeland, **RE Meyer**, E Dugan, P Buescher, K Lane, CH Mc Quellan, S Williams. Racial disparity in pregnancy-related mortality. *Annals of Epidemiology*, 2004, vol. 14, pp. 274-279.
- Meyer RE**, AB Brown. Folic acid and birth defects prevention: a public health success story. *North Carolina Medical Journal*, 2004, vol. 65, pp. 157-158.
- Meyer RE**, LE Sever. Towards a gold standard for national prevalence estimates of birth defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2006, vol. 76, pp. 770-771.
- Cassell CH, **RE Meyer**, AM Farel. Predictors of Referral to the North Carolina Child Service Coordination Program among Infants with Orofacial Clefts. *Cleft Palate-Craniofacial Journal*, 2007, vol. 44, pp. 45-51.
- Mai CT, DJ Law, CA Mason, BD McDowell, **RE Meyer**, D Musa. Collection, use, and protection of population-based birth defects surveillance data in the United States. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2007, vol. 79, pp. 811-814.
- Dickinson KC, **RE Meyer**, J Kotch. Maternal smoking and the risk for club foot in infants. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2008, vol. 82, pp. 86-91.
- Boulet SL, Q Yang, C Mai, RS Kirby, JS Collins, JM Robbins, **RE Meyer**, MA Canfield, J Mulinare. Trends in the post-fortification prevalence of spina bifida and anencephaly in the United States. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2008, vol. 82, pp. 527-532.
- Cassell CH, **RE Meyer**, J Daniels. Health care expenditures among Medicaid enrolled children with and without orofacial clefts in North Carolina, 1995-2002. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2008, vol. 82, pp. 785-794.
- Honein MA, RS Kirby, **RE Meyer**, J Xing, NI Skerrette, N Yuskiv, L Marengo, JR Petrini, MJ Davidoff, CT Mai, CM Druschel, S Viner-Brown, LE Sever. The association between major birth defects and preterm birth. *Maternal and Child Health Journal*, 2009, vol. 13, pp. 164-175.
- Root ED, **RE Meyer**, ME Emch. Evidence of localized clustering of gastroschisis births in North Carolina, 1999-2004. *Social Science and Medicine*, 2009, vol. 68, pp. 1361-1367.
- Cogswell ME, RH Bitsko, M Anderka, AR Caton, MLFeldkamp, SM Hockett-Sherlock, **RE Meyer**, T Loponi, JM Robbins, G Shaw, TJ Mathews, M Royle, J Reefhuis. Control selection and participation in an ongoing, population-based, case-control study of birth defects, The National Birth Defects Prevention Study. *American Journal of Epidemiology*, 2009, vol. 170, pp. 975-985.
- Cassell CH, J Daniels, **RE Meyer**. Timeliness of primary cleft lip/palate surgery among children with orofacial clefts in North Carolina, 1995-2002. *Cleft Palate-Craniofacial Journal*, 2009, vol. 46, pp. 588-597.
- Parker SE, CT Mai, MJ Strickland, RS Olney, R Rickard, L Marengo, Y Wang, S Hashmi, **RE Meyer**. Multistate Study of the Epidemiology of Clubfoot. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 2009, vol. 85, pp. 897-904.
- Morgan LM, JL Major, **RE Meyer**, A Mullinex. Multivitamin use among non-pregnant females of child-bearing age in the Western North Carolina Multivitamin Distribution Program. *North Carolina Medical Journal*, 2009, vol. 70, pp.386-390.

- Feldkamp ML, **RE Meyer**, S Krikov, LD Botto. Acetaminophen use in pregnancy and the risk for selected birth defects: findings from the National Birth Defects Prevention Study. *Obstetrics and Gynecology*, 2010, vol. 115, pp. 109-115.
- Parker SE, CT Mai, MA Canfield, R Rickard, Y Wang, **RE Meyer**, P Anderson, CA Mason, JS Collins, RS Kirby, A Correa. Updated national prevalence estimates for selected birth defects in the United States, 2004-2006. *Birth Defects Research Part A: Clinical and Molecular Teratology* 2010, vol. 88, pp. 1008-1016.
- Mei JV, LX Li, SA Rasmussen, S Collier, JL Frias, MA Honein, GM Shaw, F Lorey, **R Meyer**, S Chaing, MA Canfield, J Jones, WH Hannon. Effect of specimen storage conditions on newborn dried blood spots used to assess *Toxoplasma gondii* Immunoglobulin M (IgM). *Clinica Chimica Acta* 2011, vol. 412, pp.455-459.
- Root ED, **RE Meyer**, M Emch. Socioeconomic context and gastroschisis: exploring associations at various geographic scales. *Social Science and Medicine*, 2011, vol. 72, pp.625-633.

Book Chapters

- Aldrich TE, J Griffith, **RE Meyer**. Disease and the Environment. In Aldrich TE and Griffith J (eds): *Environmental Epidemiology and Risk Assessment*. New York: Van Nostrand Reinhold, 1993.
- Farel, AM, **R Meyer**, M Hicken. Birth Defects. In: *Child Development, Volume 1, Macmillan Psychology Reference Series*, 2001.

Funded Research:

Ongoing Projects:

- 1U01DD000488 (CDC) A Olshan/RE Meyer (co-PIs) 12/01/2008-11/30/2013
North Carolina Center for Birth Defects Research and Prevention.
This is an ongoing, collaborative case-control study aimed at identifying the causes of major birth defects and potential methods for prevention.
Role: co-PI
- 1U01DD000696 (CDC) R Strauss (PI) 09/30/2010-08/31/2013
North Carolina Cleft Outcomes Study.
This study is to examine the prevalence of secondary disabilities/complications, educational achievement, and quality of life measures among school age children with cleft lip/palate.
Role: co-investigator (site PI)
- 1U58CD001291 (CDC) R Peterson (PI) 10/01/2010-09/30/2015
North Carolina Public Health Infrastructure Grant Component II.
The purpose of this project is to support system change and redesign of the health data infrastructure to increase the efficiency and effectiveness of data use on the health of North Carolinians.
Role: co-investigator
- 5R01HD051804 (NICHD) M Werler (PI) 08/01/2006-05/31/2011
Maternal Vasoactive Exposures and Risk of Club Foot.
This is a multi-state case-control study of maternal exposure to selected vasoactive agents and risk for club foot..
Role: co-investigator
- 1U50DD000577 (CDC) B Pettiford (PI) 02/12/2010-02/11/2012
North Carolina Population-Based Surveillance for Hemoglobinopathies
This is a pilot project aimed at designing and implementing a statewide population-based surveillance program for pediatric and non-pediatric cases of sickle cell disease and thalassemia.
Role: co-investigator
- Completed Projects:*
- U50/CCU422096 (CDC) A Olshan/RE Meyer (co-PIs) 09/01/2002-11/30/2008
North Carolina Center for Birth Defects Research and Prevention.
This is a multi-site, collaborative case-control study aimed at identifying the causes of major birth defects and potential methods for prevention.
Role: co-PI
- U50/CCU416075 (CDC) A Farel (PI) 02/01/2002-01/31/2005
North Carolina Collaborative Project for Birth Defects Surveillance, Treatment, and Prevention.
This was a multi-agency project intended to enhance the quality and timeliness of birth defects surveillance data to support services for children and prevention programs within the state of North Carolina.
Role: co-investigator
- U50/CCU416075 (CDC) TW. Sadler (PI) 02/01/1999-01/31/2002
North Carolina Neural Tube Defect Surveillance and Prevention Project.
The goal of this project was to develop a statewide NTD rapid ascertainment surveillance system in order to facilitate timely follow-up of affected families for recurrence prevention and provision of services.
Role: co-investigator