

**Karin B. Yeatts  
Curriculum Vitae**

**ADDRESS**

Department of Epidemiology, CB #7435  
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**EDUCATION**

Doctor of Philosophy in Epidemiology University of North Carolina at Chapel Hill, NC Dissertation "The Prevalence and Impact of Asthma and Wheezing in African-American and White Children in Charlotte, North Carolina"	Dec 1997
Master of Science in Epidemiology University of Massachusetts, Amherst MA Masters Thesis "Pica and Mouthing Behavior in Young Children"	July 1994
Master of Science in Environmental Science & Engineering Virginia Polytechnic Institute & State University, Blacksburg VA Master's Thesis "Structure-Activity Relationships in Amino Polyaromatic Hydrocarbons."	June 1990
A.B. Bowdoin College, Brunswick, Maine Magna cum laude, Chemistry major, Spanish minor.	May 1988

**POSITIONS**

Concentration Lead, Applied Epidemiology	Fall 2018-present
Clinical Associate Professor, Department of Epidemiology, UNC-Chapel Hill	Oct 2015-present
Research Assistant Professor, Department of Epidemiology, UNC-Chapel Hill	2002-Sept 2015
Member of Graduate Faculty at UNC-Chapel Hill	2009-2016
Research Faculty, UNC Institute for Public Health	2004-present
Research Faculty, Center for Environmental Medicine, Asthma, Lung Biology School of Medicine, UNC-Chapel Hill	2003-present
Research Associate, Department of Epidemiology, UNC-Chapel Hill	1999-2002
Postdoctoral Fellow, UNC-Chapel Hill	1998-1999

**TEACHING RECORD**

Lead Instructor SPHG 712, Methods and Measures Developed and implemented new UNC MPH Integrated Core Course, Residential and online. Worked with 40 faculty across 9 departments and programs in Gillings School of Global Public Health to create. First cohort residential Fall 2018-134 students, online 40 students	2015-present
SPHG 712, Online Course Lead Supervised section instructors Fall 2018- 3 sections instructors, Spring 2019-three section instructors	Fall 2018-
Lead Instructor EPID 600 Principles of Epidemiology for Public Health Residential Fall 2013-84 students, SP14-179 students, Fall14-84 Students, Spring15-160 students, Fall 2015-88, Spring 2016-152, Fall 2016-86 students, Spring 2017-161 students Fall 2018-88, Spring 2019-78	2013-present
Co-Developer and Co-Instructor Epidemiology: The Basic Science of Public Health Massive Open On-line Course (MOOC) Oversaw & Developed Course Content, Syllabus, Quizzes, (100,217 registered students as of March 9, 2019)	2013-present
Lead Instructor, SPHG 350 H, Introduction to Public Health Developed & revised Course Syllabus, Evaluations, Individual, Team, and in-Class Assignments Honors Undergraduate students. 2012-21 students, 2013-26 students, 2014-25, 2015-25, 2016-23, 2017-26	2012-present
Lead Instructor PUBH 806: Data Skills-Online for Public Health Practice Methods for Public Health Practice Developed Course Syllabus, Team Activities, Individual Assignments (2013-10 students, 2014-20, 2015-14, 2016-17. 2017-10, 2018-19, 2019-11)	2013-present
Lead Instructor SPHG 620: Exploring Public Health (2014-70 students, 2016-84, 2017-125)	2014-2017
Lead Instructor, EPID 759 Methods in Field Epidemiology (Students 2015-19, 2014-19, 2013-22, 2012-21, 2016-15, 2017-12, 2018-15, 2019-19)	2005-present
Instructor/co-developer, Epidemiology for Environmental Scientists, ENVR601 & Engineers (2012-5 students, 2014-19, 2015-23, 2016-24, 2017-12, 2018-10, 2019-9)	2012-present

Co-developer/co-Instructor, Fundamentals of Public Health Practice, SPHG 710 2016-5 students, 2017-7 students	2016-2017
VPH 650: Population Medicine Forum Course Seminar NC State College of Veterinary Medicine Respiratory and Neurologic Effects of Indoor SO <sub>2</sub> , NO <sub>2</sub> , H <sub>2</sub> S, and HCHO	10/7/2013
EPA Introductory Air Pollution Study Design Seminar Risk and Benefits Group Health and Environmental Impacts Division	8/14/12
Co-developer and co-Instructor for ENVR 401 Environmental epidemiology module	2010- 2012
Public Health Leadership Program, Master's Exam Grader	2012-present
Co-Instructor EPID 750 Fundamentals of Public Health Surveillance EPID 758 Principles and Methods of Applied Infectious Disease	2005-2013
Course development for on-line Field Epidemiology Certificate Program University of North Carolina Institute of Public Health	2004-2013
Teaching Assistant and Course Developer -Internet based Introductory Epi	Fall 1998
Teaching Assistant-UNC Executive Masters Program Epidemiology	Spring 1997
Co-manager EPID 160 (Introductory Epidemiology) 160 students	Fall 1996
Course development- of new materials for EPID	1995
Teaching Assistant- residential EPID 160 four semesters.	1994-1997

## **GRANTS**

### **Funded Projects**

2014-2020 NIEHS RO1 Cookstove Exposure and Health Assessment. PI Handa, Investigator Yeatts (10%) submission June 1 2013 (Total Direct Costs \$2,382,902)

### **Completed Projects**

2015-2016 UNC-Faculty Center for Excellence, Pro 40 Course Redesign Grants, PI Yeatts, \$3,000 5/27/15-8/15/15

2013-2014 Proposal to Develop a Massive Open Online Course (RFP from UNC). PI Alexander 4/1/2013-12/31/13. Co-Investigator Yeatts 20%

2013-2015 NIH PAR-10-235. Climate Change and Future Air Pollution Mortality. PI West, 8% effort \$275,000 Direct Costs. Investigator Yeatts 8%

- 2012-2013 Carolinas Integrated Sciences & Assessments (CISA) Mini-grant Program. Climate Change Impacts of Air Pollution on Morbidity in Vulnerable Populations across the Life Stages in 2050: Translation to Local Health Preparedness. PI Yeatts, 0% effort 1/1/2013-12/31/2013. \$19,983 (Total Costs)
- 2013-2015 EPA STAR grant # R835166. Carolina Center for Computational Toxicology: Assays, models and tools for NextGen safety assessments. PI Rusyn, Co-Investigator Yeatts 5% effort 4/1/2013- 7/10/2015, \$ \$1,200,000 (Total Direct Costs)
- 2011-2013 EPA. Predictive QSAR Models of Hepatotoxicity, PI Tropsha, Investigator Yeatts, 10% effort 5/1/11-3/31/13, \$511,098 (Total Direct Costs)
- 2011-2013 Environmental Science and Engineering ENVR 601, Epidemiology for Environmental Scientists and Engineers, Course Development and Teaching. 15%
- 2009- 2013 EPA STAR grant #RD-833825-0. Carolina Center for Computational Toxicology. PI Rusyn, Co-Investigator Yeatts 10% effort 4/01/2008- 3/31/2012, \$2,970,000 (Annual Direct Costs) (no cost extension to 2013)
- 2008-2012 No Agency Number, Indoor air pollution and health 600 household survey, United Arab Emirates Environmental Health Strategy, PI Olshan, Co-PI Yeatts, 40 percent effort, 7/15/08-7/30/12, \$496,886.00 (Annual Direct Costs)
- 2004 - 2011 Research Faculty CDC Centers for Public Health Preparedness, Centers for Public Health Preparedness, PI Ryder, 25% percent effort, 9/1/04 – 8/31/10, \$1,126,079 (Annual Direct Costs) Co-Investigator Yeatts
- 2010-2011 Dean's Office, Environmental Science and Engineering ENVR 401, Environmental Epidemiology Module Development. 15% (ends June 30 2011)
- 2007 - 2011 No Agency Number, Investigating the effects of hog waste lagoons in rural public school children, GRACE Foundation, PI Wing, Co-Investigator Yeatts, 2.5 percent effort, 7/1/07-7/1/2011, \$330,000 (Annual Direct Costs)
- 2008 – 2010 200710.0008, Innovative disease surveillance methods for the linkage, analysis, and management, Gillings Innovation Lab, PI Richardson, Co-Investigator Yeatts, 10 percent effort, 8/15/08-8/14/10, \$564,610.00 (Annual Direct Costs)
- 2004 - 2009 PROMIS RFA-RM-04-01, Dynamic Assessment of Patient Chronic Disease Outcomes, National Institute of Health, PI Guess/Dewalt, Co-Investigator Yeatts, 2.5 percent effort, 9/1/04- 8/31/09, \$ 725,432 (Annual Direct Costs)
- 2006 – 2009 We Can Asthma Education Program Evaluation, Rex Hospital Foundation, PI Larry Trachtman, 10 percent effort, 6/1/06-10/30/09, \$ 488,908 (Annual Direct Costs)
- 2006 - 2008 MCAN Improvement for Rural Medicaid Patients pilot project, Centers for Education and Research on Therapeutics (CERTs) and Agency for Healthcare Research and Quality (AHRQ), PI Guess, co-PI Yeatts, percent effort, 7/1/06-9/30/08, \$801,555.00 (Annual Direct Costs)
- 2005-2008 EPA STAR grant #R832751010. Effects of Climate Change on Human Health: Current and Future Impacts. PI Hanna, Co-PI Yeatts 15% effort 01/01/2006-12/31/2010, \$408,764 (Annual Direct Costs)
- 2005 - 2008 Provider-Caregiver-Child Asthma Communication Study, NHLBI, PI Sleath, Co-Investigator Yeatts, 5% effort, 5/1/05 – 3/31/08, \$431,126.00 (Annual Direct Costs)

- 2002 – 2004 National Respiratory Training Center and North Carolina, Asthma Board contract. PI Yeatts, 20% effort, 6/1/02-12/31/04, \$30, 000 (Annual Direct Costs)
- 2001 - 2006 CR829522, Health Effects of Environmental Pollutants in Humans, U.S. Environmental Protection Agency, PI Bromberg, Research Faculty Yeatts, 20% effort, 11/01/01-8/31/06, \$1,583,867 (Annual Direct Costs)
- 2001 – 2004 Special Interest Project. Asthma Related School Absences SP#23-01. Centers for Disease Control grant, PI Yeatts, 48% effort, 9/1/01-8/31/04, \$225,000 (Annual Direct Costs)
- 2001 – 2002 North Carolina School Asthma Survey: Data Analysis. Contract with GlaxoSmithKline, PI Yeatts, 40% effort, 9/1/01-11/30/02, \$124,900 (Annual Direct Costs)
- 2000 - 2002 Effects of Hurricane Floyd on Respiratory Health of Susceptible Individuals. Contract with NC State Health Department, PI Yeatts, 35% effort, 9/2000-6/2002, \$125,000 (Annual Direct Costs)
- 1999-2000 North Carolina Division of Environmental Health, Consultant Yeatts, 10% effort, 1999-2000, \$40,000 (Annual Direct Costs)
- 1999 - 2001 NC State Health Department contract, Co-PI Yeatts, 80% effort, 7/99-6/2001, \$345,000 (Annual Direct Costs)

## **PUBLICATIONS**

### Submitted (under review):

### In draft

1. **Yeatts K**, Lippmann S, Hanna A, Thie L, Waller A. Climate Change Impacts of Ozone on Morbidity in Vulnerable Populations Across Life States in 2050, Mecklenburg County NC.
2. Sever M, Thomas JC, Calatroni A, **Yeatts KB**, Visness CM, Mitchell HE, Zeldin DC. Allergen Exposure Modifies the Relationship between Community Violence and Asthma Morbidity: The Inner City Asthma Study.
3. Hasan M, Serre M, **Yeatts K**, Farah Z, Thomsen J, Harrison O, MacDonald Gibson J . Mapping Cardiovascular and Respiratory Diseases in the United Arab Emirates: A Comparison of Methods.
4. Li JJ. **Yeatts K**. Poole C. Systematic Review of Air Pollution and Eczema.
5. **Yeatts KB**. Indoor Air Pollutant Exposures, Atopic Eczema, and Allergies in the UAE.
6. Weir C\*, **Yeatts KB**, Vizuette W, Zeldin DC, London SJ. Ozone and Asthma and Allergy Outcomes and lack of Effect Modification by Sensitization in the 2005-2006 National Health and Nutrition Examination Survey

### Published

78. Jagger P, Das I, Handa S, Nylander-French LA, **Yeatts KB**. Early Adoption of an Improved Household Energy System in Urban Rwanda. *Ecohealth*. 2019 Jan 7
77. Das I, Jagger P, **Yeatts K**. Biomass Cooking Fuels and Health Outcomes for Women in Malawi. *Ecohealth*. 2016 Oct 31.
76. Sun X, Waller A, **Yeatts KB**, Thie L. Pollen concentration and asthma exacerbations in Wake County, North Carolina 2006-2012. *Sci Total Environ*. 2016 Feb 15;544:185-91
75. **Yeatts KB**. Active Learning By Design: an undergraduate introductory public health course. *Front Public Health*. 2014 Dec 23;2:284. doi: 10.3389/fpubh.2014.00284.
74. Book Chapter: **Yeatts KB**. Epidemiologic Investigative Tools. In Global Water and Health. Bartram J. (ed). , 2015
73. Shuler M, **Yeatts KB**, Trees AS, Sutherland S, Donald RW. The Regional Asthma Disease Management Program (RADMP) for Children in rural western North Carolina: a National Asthma Control Initiative Demonstration Project. *J Asthma*. 2015 Nov;52(9):881-8.
72. Funk WE, Leith D, Boundy MG, Nash DG, Trent CB, **Yeatts KB**, Davidson CA, El Sadig M. Indoor Air Quality in the United Arab Emirates. 2014. *Journal of Environmental Protection*. 5, 709-722.
71. Travers D, Lippman S, Waller A, Lich H, Liao W, **Yeatts KB**, Weinberger M. Defining emergency department visits for public health surveillance. *Prev Chronic Dis*. 2014 Jun 12;11:E100. doi: 10.5888/pcd11.130329..
70. Ayala G, Gillette C, Davis S, Williams D, **Yeatts K**, Sleath B. A prospective examination of asthma symptom monitoring: Provider, caregiver, and child influences on peak flow meter use. *J Asthma*. 2014 Feb;51(1):84-90. doi: 10.3109/02770903.2013.838255. Epub 2013 Sep 19
69. Weir C\*, **Yeatts KB**, Vizuete W, Zeldin DC, London SJ. Nitrogen Dioxide and Allergic Sensitization in the 2005-2006 National Health and Nutrition Examination Survey. *Respir Med*. 2013 Nov;107(11):1763-72. doi: 10.1016/j.rmed.2013.08.010. Epub 2013 Aug 28.
68. Ali HI, El-Sadig M, **Yeatts K**. Diet and Carbohydrate Food Knowledge of Multi-ethnic Women with Gestational Diabetes Mellitus. *PLoS One*. 2013 Sep 12;8(9):e73486. doi: 10.1371/journal.pone.0073486. eCollection 2013.
67. Lippmann SJ\*, **Yeatts KB**. Waller, A; Hassmiller Lich, K; Travers, D; Weinberger, M; Donohue, JF. Hospitalizations and Return Visits after Chronic Obstructive Pulmonary Disease ED Visits. *Am J Emerg Med*. 2013 Aug 1.
66. Gillette C, Sleath B, Carpenter DM, Ayala GX, Williams D, Davis S, **Yeatts K**. How often do providers discuss asthma action plans with children? Analysis of transcripts of medical visits. *Clin Pediatr (Phila)*. 2013 Dec;52(12):1161-7. doi: 10.1177/0009922813506256. Epub 2013 Oct 17.
65. Carpenter DM, Ayala GX, Williams D, Davis S, **Yeatts KB**, Sleath B. The relationship between patient-provider communication and quality of life for children with asthma and their caregivers. *J Asthma*. 2013 Sep;50(7):791-8.
64. Cohen R, Sexton KS, **Yeatts KB**. Hazard Assessment of United Arab Emirates (UAE) Incense Smoke *Sci Total Environ*. 2013 Aug 1;458-460:176-86

63. Carpenter DM, Stover A, Slota, C, Ayala GX., **Yeatts K.**, Tudor G, Davis S, Williams D, Sleath BL. An evaluation of physicians' engagement of children with asthma in treatment-related discussions. *J Child Health Care*. 2013 Jun 30
62. Ali HI, Ng Sw, Zaghoul S, Harrison GG, Qazaq HS, El-Sadig M, **Yeatts K.** High proportion of 6-18 year-old children and adolescents in the United Arab Emirates are not meeting dietary recommendations. *Nutr Res*. 2013 Jun;33(6):447-56.
61. Heaney C, Wing S, Wilson SM, Campbell RL, Caldwell D, Hopkins B, O'Shea S, **Yeatts K.** Public infrastructure disparities and the microbiological safety of drinking water in a community bordering a landfill. *J Environ Health*. 2013 Jun;75(10):24-36.
60. Campbell RL, Caldwell D, Hopkins B, Heaney CD, Wing S, Wilson SM, O'Shea S, **Yeatts KB.** Ph.D.<sup>3</sup>Integrating research and community organizing to address water and sanitation concerns in a community bordering a landfill. *J Environ Health*. 2013 Jun;75(10):48-50.
59. DeWalt DA, Thissen D, Stucky BD, Morgan DeWitt E, Irwin DE, Lai JS, **Yeatts KB,** Gross H, Taylor O, Varni JW. PROMIS Pediatric Peer Relationship Scale: Development of a pediatric peer relationships item bank as part of social health measurement. *Health Psychol*. 2013 Jun 17.
- 58 **Yeatts K,** Lippmann S, Waller A, Lich K, Travers D, S, Weinberger M, Donohue J. Acute Exacerbations of COPD in the Emergency Department (ED): Return ED Visits, Hospital Admissions, and Comorbidity Risks *Chest*. 2013 Sep;144(3):784-93.
57. Gillen E, Lich K, **Yeatts KB,** Hernandez ML, Smith TW, Lewis MA. Social Ecology of Asthma: Engaging Stakeholders in Integrating Health Behavior Theories and Practice-Based Evidence Through Systems Mapping. *Health Educ Behav*. 2013 May 24.
55. Richmond-Bryant J, Lu S, Welsh W, Meng Q, Whitsel E, Hanna A, **Yeatts K,** Warren J, Herring A, Xiu A. A QICAR Pilot Study: Physical and Chemical Properties of Metal Ions and their Association with Cardiovascular Outcomes. *Environ Health Perspect*. 2013 Mar 5
54. Mallol J, Crane J, von Mutius E, Odhiambo J, Keil U, Stewart A; ISAAC Phase Three Study Group. The International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three: a global synthesis. *Allergol Immunopathol (Madr)*. 2013 Mar-Apr;41(2):73-85. doi: 10.1016/j.aller.2012.03.001
53. Hassmiller Lich K, Weinberger M, Waller A, **Yeatts K,** Travers D, Lippman S, Psek W. Emergency Department Visits Attributable to Asthma in North Carolina, 2008. *N C Med J*. 2013;74(1):9-17 .
52. Al-Maskari F, El-Sadig M, Al-Kaabi JM, Afandi B, Nagelkerke N, **Yeatts .** Knowledge, Attitude and Practices of Diabetic Patients in the United Arab Emirates. *PLoS One*. 2013;8(1):e52857. doi: 10.1371/journal.pone.0052857. Epub 2013 Jan 14
51. Lai JS, Stucky B, Thissen D, Varni JW, Morgan DeWitt E, Irwin DE, **Yeatts KB,** Dewalt D. Development and Psychometric Properties of the PROMIS Pediatric Fatigue Item Bank. *Qual Life Res*. 2013 Feb 2.
50. **Yeatts KB,** El Sadig M, Leith D, Maskiri F, Kalsbeek W, Rusyn I, Couper D, Zoubeidi T, Chan R, Boundy MG, Funk WE, MacDonald J, Olshan AF. Indoor air pollutants and health in the United Arab Emirates. *Environ Health Perspect* 120:687-694. <http://dx.doi.org/10.1289/ehp.1104090>

49. **Yeatts KB**, El-Sadig M, Ali H, Maskari F, Campbell A, Ng S, Reeves L, Chan R, Davidson C, Funk W, Boundy M, Leith D, Popkin B, MacDonald Gibson J, Rusyn I, Olshan AF. Conducting Environmental Health Research in the Arabian Middle East: Lessons Learned and Opportunities. *Environ Health Perspect* 120:632-636. <http://dx.doi.org/10.1289/ehp.1104031>
48. Irwin DE, Stucky BD, Langer MM, Thissen D, DeWitt EM, Lai JS, **Yeatts KB**, Varni JW, DeWalt DA. PROMIS Pediatric Anger Scale: an item response theory analysis. *Qual Life Res.* 2012 May;21(4):697-706. Epub 2011 Jul 22.
47. Sleath B, Carpenter DM, Sayner R, Ayala GX, Williams D, Davis S, Tudor G, **Yeatts K**. Communication during pediatric asthma visits and child and caregiver self-reported asthma medication adherence one month later. *Pediatrics* 2012. 130(4):6287-94.
46. Sleath B, Carpenter DM, Ayala GX, Williams D, Davis S, Tudor G, **Yeatts K**, Gillette C. Communication during pediatric visits and child asthma medication device technique 1 month later. *J Asthma* 2012. 49(9):918-25.
45. Washington D, **Yeatts KB**, Sleath B. Communication and Education About Environmental Asthma Triggers and Environmental Control During Pediatric Visits. 2012. *Patient Education and Counseling.* 86(1):63-9.
44. Sleath B, Ayala GX, Gillette C, Williams D, Davis S, Tudor G, **Yeatts K**, Washington D. Provider demonstration and assessment of child device technique during pediatric asthma visits. *Pediatrics* 2011;127:642-648.
43. Dewitt EM, Stucky BD, Thissen D, Irwin DE, Langer M, Varni JW, Lai JS, **Yeatts KB**, Dewalt DA. Construction of the eight-item patient-reported outcomes measurement information system pediatric physical function scales: built using item response theory. *J Clin Epidemiol.* 2011 Feb 1.
42. Ng S, Zabghoul S, Ali H, Harrison H, **Yeatts K**, El Sadig M, Popkin B. Nutrition Transition in the United Arab Emirates. *European Journal of Clinical Nutrition* online publication 20 July 2011; doi:10.1038/ejcn.2011.135
41. Heaney C, Wing S, Richardson D, **Yeatts K**, Campbell R. Relation between malodor, ambient hydrogen sulfide, and health in a community bordering a landfill. *Environmental Research.* 2011. 111(6):847-52.
40. Hanna AF, **Yeatts KB**, Xiu A, Zhu Z, Smith RL, Davis NN, Talgo K, Arora G, Robinson PJ, Meng Q, Pinto JP. Association between Ozone and Morbidity Using the Spatial Synoptic Classification System. *Environmental Research* May 2011, **10**:49 doi:10.1186/1476-069X-10-49
39. Sleath B, Carpenter DM, Ayala GX, Williams D, Davis S, Tudor G, **Yeatts K**, Gillette C. Provider Discussion, Education, and Question-Asking about Control Medications during Pediatric Asthma Visits. *Int J Pediatr.* 2011;2011:212160. Epub 2011 Aug 10.
38. Sleath B, Carpenter DM, Sayner R, Ayala GX, Williams D, Davis S, Tudor G, **Yeatts K**. Child and caregiver involvement and shared decision making during asthma pediatric visits. *J Asthma.* 2011 Dec;48(10):1022-31 Epub 2011 Oct 25.
37. Sleath B, Ayala GX, Washington D, Davis S, Williams D, Tudor G, **Yeatts K**, Gillette C. Caregiver rating of provider participatory decision-making style and caregiver and child satisfaction with pediatric asthma visits. *Patient Educ Couns.* 2011 Nov;85(2):286-9. Epub 2010 Oct 23.



36. Visness CM, London SJ, Daniels JL, Kaufman JS, **Yeatts KB**, Siega-Riz AM, Calatroni A, Zeldin DC. Association of Childhood Obesity With Atopic and Nonatopic Asthma: Results From the National Health and Nutrition Examination Survey 1999-2006. *J Asthma*. 2010 Sep;47(7):822-9
35. Sleath B, Ayala GX, Davis S, Williams D, Tudor G, **Yeatts K**, Washington D, Gillette C. Child and caregiver reported problems and concerns in using asthma medications *J Asthma*. 2010 Aug;47(6):633-8
34. Sleath B, Ayala GX, Washington D, Davis S, Williams D, Tudor G, **Yeatts K**, Gillette C. Caregiver rating of provider participatory decision-making style and caregiver and child satisfaction with pediatric asthma visits. *Patient Educ Couns*. 2010 Oct 22
33. **Yeatts K**, Stucky B, Thissen D, Morgan Dewitt E, Lai JS, Irwin D, Varni J, DeWalt D. Construction of the Pediatric Asthma Impact Scale (PAIS) for the Patient Reported Outcomes Measurement Information System (PROMIS). *J Asthma*. 2010 Apr;47(3):295-302
32. Quinn K, Kaufman JS, Siddiqi A, **Yeatts KB**. Stress and the City: Housing Stressors are Associated with Respiratory Health among Low-Socioeconomic Status Chicago Children. *J Urban Health*. 2010 Jul;87(4):688-702.
31. Quinn K, Kaufman JS, Siddiqi A, **Yeatts KB**. Parent perceptions of neighborhood stressors are associated with general health and child respiratory health among low-income, urban families. *J Asthma*. 2010 Apr;47(3):281-9.
30. Varni JW, Stucky BD, Thissen D, Dewitt EM, Irwin DE, Lai JS, **Yeatts K**, Dewalt DA. PROMIS Pediatric Pain Interference Scale: an item response theory analysis of the pediatric pain item bank. *J Pain*. 2010 Nov;11(11):1109-19
29. Irwin DE, Stucky BD, Thissen D, Morgan Dewitt E, Lai JS, **Yeatts K**, Varni JW, DeWalt D. Sampling Plan and Patient Characteristics of the PROMIS Pediatrics Large-Scale Survey. *Qual Life Res*. 2010 May;19(4):585-94.
28. Irwin DE, Stucky B, Langer MM, Thissen D, Morgan DeWitt E, Lai JS, Varni JW, **Yeatts K**, DeWalt D. An Item Response Analysis of the Pediatric PROMIS Anxiety and Depressive Symptoms Scales. *Qual Life Res*. 2010 May;19(4):595-607. Epub 2010 Mar 7
27. Lee SJ, **Yeatts K**, Serre M. A Bayesian Maximum Entropy approach to address the change of support problem in the spatial analysis of childhood asthma prevalence across North Carolina 2009. *Spatial and Spatio-temporal Epidemiology*. 2010, 1(1):49-60.
26. Ellwood P, Asher MI, Stewart AW; **ISAAC Phase III Study Group**. The impact of the method of consent on response rates in the ISAAC time trends study. *Int J Tuberc Lung Dis*. 2010 Aug;14(8):1059-65.
25. Irwin D, Varni JW, **Yeatts K**, Dewalt DA. Cognitive interviewing methodology in the development of a pediatric item bank: a patient reported outcomes measurement information system (PROMIS) study. *Health and Quality of Life Outcomes* 2009, 7:3 (23 Jan 2009) doi:10.1186/1477-7525-7-3
24. Visness C, London SJ, Daniels JL, Kaufman JS, **Yeatts KB**, Siega-Riz AM, Liu AH, Calatroni A, Zeldin DC. Association of obesity with IgE levels and allergy symptoms in children and adolescents: results from the National Health and Nutrition Examination Survey 2005-2006. *J Allergy Clin Immunol*. 2009 May;123(5):1163-9, 1169.e1-4.
23. Ayala GX, **Yeatts K**, Carpenter DM. Brief Report: Factors Associated with Asthma Management Self-Efficacy Among 7th and 8th Grade Students. *J Pediatr Psychol*. 2009 Sep;34(8):862-8

22. Case M, Williams R, **Yeatts K**, Chen F, Scott J, Svendsen E, Devlin R. Evaluation of a Direct Personal Coarse Particulate Matter Monitor. *Atmospheric Environment*. 2008; 42(19): 4446-52.
21. **Yeatts K**, Svendsen E, Creason J, Alexis N, Herbst M, Scott J, Kupper L, Williams R, Neas L, Cascio W, Devlin RB, Peden DB. Coarse particulate matter (PM<sub>2.5-10</sub>) affects heart rate variability, blood lipids, and circulating eosinophils in adults with asthma. *Environ Health Perspect*. 2007 May; 115(5):709-14.
20. Ellwood P, Williams H, Ait-Khaled N, Björkstén B, Robertson C; **ISAAC Phase III Study Group**. Translation of questions: the International Study of Asthma and Allergies in Childhood (ISAAC) experience. *Int J Tuberc Lung Dis*. 2009 Sep;13(9):1174-8
19. Vesper S, McKinstry C, Ashley P, Haugland R, **Yeatts K**, Bradham K, Svendsen E. Quantitative PCR analysis of molds in the dust from homes of asthmatic children in North Carolina. *J Environ Monit*. 2007 Aug;9(8):826-30
18. Svendsen ER, **Yeatts KB**, Peden D, Orton S, Alexis NE, Creason J, Williams R, Neas L. Circulating neutrophil CD14 expression and the inverse association of ambient particulate matter on lung function in asthmatic children. *Ann Allergy Asthma Immunol*. 2007 Sep;99(3):244-53.
17. Menetrez MY, Foarde KK, Esch RK, Dean TR, Betancourt DA, Moore SA, Svendsen ER, **Yeatts K**. The Measurement of Ambient Bioaerosol Exposure. *Aerosol Science and Technology* 2007 Sep 41(9): 884-893.
16. **Yeatts K**, Sly P, Shore S, Weiss S, Martinez F, Geller A, Bromberg P, Enright P, Koren H, Weissman D, Selgrade M. A brief targeted review of susceptibility factors, environmental exposures, asthma incidence, and recommendations for future asthma incidence research. *Environ Health Perspect*. 2006 Apr;114(4):634-40.
15. Chen FL, Williams R, Svendsen E, **Yeatts K**, Creason J, Scott J, Terrell D, Case M. Coarse particulate matter concentrations from residential outdoor sites associated with the North Carolina Asthma and Children's Environment Studies (NC-ACES). *Atmospheric Environment* 2007. 41:1200-1208  
Doi:10.1016/j.atmosenv.2006.09.049.
14. Selgrade MK, Lemanske RF Jr, Gilmour MI, Neas LM, Ward MD, Henneberger PK, Weissman DN, Hoppin JA, Dietert RR, Sly PD, Geller AM, Enright PL, Backus GS, Bromberg PA, Germolec DR, **Yeatts KB**. Induction of asthma and the environment: what we know and need to know. *Environ Health Perspect*. 2006 Apr;114(4):615-9.
13. Sotir M, **Yeatts K**, Miller W, Shy C.. *J Asthma*. 2006 Oct;43(8):629-32 Comparison of asthma-related functional consequences and health care utilization among children with and without upper respiratory infection triggered wheezing.
12. Elliot L, **Yeatts K**, Loomis D. Ecological associations between asthma prevalence and potential exposure to farming. 2004 *ERJ*; 24:938 -941.
11. **Yeatts KB**, Shy C, Sotir M, Music S, Herget C. Health consequences for children with undiagnosed asthma-like symptoms. *Arch Ped Adolesc Med* 2003; 157:540-544.
10. **Yeatts KB**, Davis KJ, Herget C, Sotir M, Shy CM. Who gets diagnosed with asthma? Frequent wheeze among adolescents with and without a diagnosis of asthma. *Pediatrics* 2003;111:1046-1054.
9. **Yeatts KB**, Davis KJ, Sotir M, Shy C. Health consequences associated with frequent wheezing in adolescents without asthma diagnosis. *Eur Respir J*. 2003 Nov;22(5):781-6

8. Sturm JJ, **Yeatts KB**, Loomis DP. Effects of Tobacco Smoke Exposure on Asthma Prevalence and Medical Use in North Carolina Middle-School Children. *Am J Public Health* 2004; 94:308-313.

7. **Yeatts KB**, Shy CM. Prevalence and consequences of asthma and wheezing in African-American and White adolescents. *Journal of Adolescent Health* 2001; 29(5):314-319.

6. Sotir M, **Yeatts KB**, Shy C. Sotir M, Yeatts K, Shy C. Presence of asthma risk factors and environmental exposures related to upper respiratory infection-triggered wheezing in middle school-age children. *Environ Health Perspect.* 2003 Apr;111(4):657-62.

5. **Yeatts KB**, Shy C, Wiley J, Music S. Statewide adolescent asthma surveillance. *Journal of Asthma.* 2000; 37(5):425-434.

4. **Yeatts KB**, Maier W, Shy C. Asthma inhaler use and barriers in a population-based sample of African-American and white adolescents. *Annals of Allergy, Asthma, & Immunology.* 2000; 84(1):94-100.

3. **Yeatts KB**, Shy CM, Wiley J, Music, S. Asthma Surveillance Pilot Study. *North Carolina Pulmonary Journal* 2000; 1(2): 2-3.

2. Tseng M, **Yeatts K**, Millikan R, Newman B. Area-level characteristics and smoking in women. *American Journal of Public Health.* 91(11):1847-50, 2001 Nov

1. Stanek E, Pekow P, Mundt K, **Yeatts K**, Calabrese E. Prevalence of Soil Ingestion/Mouthing in Health Children Aged 1-6. *Journal of Soil Contamination* 1998 7(2): 227-242.

#### **UNREFEREED PUBLICATIONS/REPORTS**

1. Reducing Healthcare Costs in North Carolina Through Health Impact Assessment. NC Health Impact WorkGroup June 2012
2. Riediker M, **Yeatts K**. Epidemiology of ambient air pollution and cardiovascular disease. *Harrison's Online Principles of Internal Medicine* January 27<sup>th</sup>, 2006
3. Graduate Research Ethics Conference Proceedings- Ethical Issues in Epidemiologic Research in Adolescents (Compilation of case studies January 1999). Ed. Brian Schrag.

#### **PRESENTATIONS/POSTERS/ABSTRACTS**

1. From planning to implementation: Developing a new MPH Core at the UNC Gillings School of Global Public Health" Poster presentation 2017 ASPPH Annual Meeting (March 15-17) in Arlington, VA. Linnan, Merino, UNC Implementation MPH Core Committee.
2. Society for Toxicology. Froelking F, Nylander-French L, Jagger P, Handa A, Yeatts K, Pedit J. Personal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs) During Cookstove Use in Rwandan Households 2016. 1. Froelking, Z.; Pedit, J.; Yeatts, K.; Jagger, P.; Handa, S.; Nylander-French, L.A.: Personal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs), Fine Particulate Matter (PM<sub>2.5</sub>), and Carbon Monoxide (CO) During Cookstove Use in Rwandan Households. 26<sup>th</sup> Annual International Society of Exposure Science Conference, Utrecht, The Netherlands, October 9-13, 2016.

3. Frolking, Z.; Pedit, J.; Yeatts, K.; Jagger, P.; Handa, S.; Nylander-French, L.A.: Personal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs) During Cookstove Use in Rwandan Households. Society of Toxicology Annual Meeting, New Orleans, LA, March 13-27, 2016.
4. Frolking, Z.; Pedit, J.; Yeatts, K.; Jagger, P.; Handa, S.; Nylander-French, L.A.: Personal Exposure to Polycyclic Aromatic Hydrocarbons During Cooking in Rwandan Households. UNC Academic Research Conference, April 8, 2016 (1st place poster award for the natural sciences).
5. UNC Center for Faculty Excellence Faculty Showcase MOOC panel, invited panel speaker. Nov 1, 2013
6. UNC MOOC panel with Provost Jim Dean and Carol Tresolini, Vice Provost for Academic Initiatives. Invited panelist. Sept 27, 2013
7. Becker D, West JJ, Yeatts KB. Assessing the future human health impacts of air pollution and heat events attributable to anthropogenic emissions and global climate change. (CMAS conference 2013)
8. Lippmann S\*, **Yeatts K**, Thie L, Hanna A, Waller AE. Climate Change Impacts of Ozone on Morbidity in Vulnerable Populations across the Life Stages in 2050, Mecklenburg County, North Carolina, US. International Society of Environmental Epidemiology, Basel Switzerland August 2013 (poster).
9. Gaetz K\*, Richardson D, **Yeatts K**, Marshall S. Free to Breathe, Free to Teach" study: Determinants of Relative Humidity Control in Schools. International Society of Environmental Epidemiology, Basel Switzerland August 2013 (poster, 1<sup>st</sup> runner up in the ISIAQ poster competition).
10. Sever ML, Thomas J, Calatroni A, **Yeatts K**, Visness C, Mitchell H, et al. Allergen Exposure Influences the Relationship Between Community Violence and Asthma Morbidity: The Inner City Asthma Study. J Allergy Clin Immunol. [Meeting Abstract]. 2013 Feb;131(2):AB55-AB.
11. **Yeatts KB-invited talk**, UNC, Center for Environmental Health and Susceptibility Fall 2012 Seminar Series. "Respiratory and Neurologic Effects of Indoor SO<sub>2</sub>, NO<sub>2</sub>, H<sub>2</sub>S, and HCHO in a Gulf Arab Population" October 30, 2012.
12. **Yeatts KB**, Sadig M, Maskiri F. Indoor Air pollutants and Eczema s in the United Arab Emirates (UAE). Presentation. International Society of Environmental Epidemiology, Columbia SC August 23-26 2012.
13. **Yeatts KB-invited talk**, University of Washington, Department of Environmental and Occupational Health. "The United Arab Emirates (UAE) Indoor Air, Health, and Nutrition Study" May 17, 2012
14. Weir C, **Yeatts K**, Vizuete W, et al. Ambient Air Pollution and Allergic Sensitization: Results from the National Health and Examination Survey (NHANES) 2005-2006. Journal of Allergy and Clinical Immunology. Feb 2012;129 (2):AB19
15. **Yeatts KB-invited talk**, Environment Agency Abu Dhabi. 'Overview of the United Arab Emirates (UAE) Indoor Air, Health, and Nutrition Study" September 20, 2011

16. **Yeatts KB**. Invited talk. Respiratory and Neurologic Effects of Indoor SO<sub>2</sub>, NO<sub>2</sub>, H<sub>2</sub>S, and HCHO in a Gulf Arab Population. - UNC Curriculum in Toxicology. September 12, 2011
17. **Yeatts KB**, Olshan AF, Funk WE, El-Sadig M, Al-Maskari F, Chan RL, Rusyn I, MacDonald J, Davis E, Leith D. Indoor Air pollutants and Respiratory Health in the United Arab Emirates (UAE). International Society of Environmental Epidemiology, Barcelona September 14-16 2011
18. **Yeatts K**. Invited talk. Air Quality, Climate, and Health. Climate and Public Health in North Carolina: Emerging Risks and Opportunities Workshop. NC Department of Health and Human services. August 19, 2011
19. **Yeatts KB**, Olshan AF, El-Sadig M, Funk WE, Leith D, Ng S, Zoubedi T, Al-Maskari F, Chan R, Couper D, Rusyn I, MacDonald J. Indoor Air Exposures in the United Arab Emirates (UAE). Congress of Epidemiology, Society of Epidemiologic Research Conference June 22-25, 2011, Montreal, CA
20. **Yeatts KB**-Invited talk, National Institute of Environmental Health Science. 'The United Arab Emirates (UAE) Indoor Air, Health, and Nutrition Study" June 1, 2011
21. **Yeatts KB**, Olshan AF, Funk WE, El-Sadig M, Al-Maskari F, Chan RL, Popkin B, Ng SW, Rusyn I, MacDonald J, Davis E, Leith D. 'The United Arab Emirates (UAE) Indoor Air, Health, and Nutrition Study. Society of Epidemiologic Research June 23-25, 2010
22. **Yeatts K**, Z. Zhu Z, Xiu A, Pinto, Robinson P, Hanna, A Synoptic Climate Patterns, Air Pollution, and Risk of Asthma Hospitalizations, International Society of Environmental Epidemiology, Pasadena California October 2008. oral presentation.
23. **Yeatts K**, Zhu Z, Xiu A, Pinto, Robinson P, Hanna, A Synoptic Climate Patterns, Air Pollution, and Risk of Myocardial Infarctions, International Society of Environmental Epidemiology, Mexico City, Mexico September 2007.
24. **Yeatts KB**, Svendsen E, Creason J, Williams R, Alexis N, Herbst, P, Neas L, Devlin R, Cascio W, Peden DB. Coarse Particulate Air Pollution Affects Heart Rate Variability, Blood Coagulation, and Blood Lipids in Asthmatics. American Thoracic Society May 2006 San Diego, oral presentation.
25. **Yeatts KB**. Expanding the Hygiene Hypothesis. Visiting Pulmonary Scholar Seminar. Duke, Durham NC. Jan 2006
26. **Yeatts KB**. Expanding the hygiene hypothesis: What can we learn from developing countries to reverse the trends in asthma? International Society of Environmental Epidemiology, Johannesburg, South Africa Sept 2005.
27. **Yeatts KB**, Lee SJ, Serre M. Spatial distribution of wheezing prevalence and airborne lead levels across rural and urban areas of North Carolina. International Society of Environmental Epidemiology Johannesburg, South Africa Sept 2005.
28. Chen F, Williams R, Svendsen E, **Yeatts K**, Creason J, Terrell D, Devlin R. Coarse Particulate Matter Concentrations From Residential Outdoor Sites Associated with the North Carolina Asthma and Children's Environment Studies (NC-ACES). ISEA Conference (International Society of Environmental Analysis) Arizona October 2005
29. **Case M**, **Yeatts K**, Williams R, Svendsen E, Creason J, Devlin R. Direct Personal Coarse Particulate Matter Concentrations Associated with the North Carolina Adult Asthma and

- Environment Study (NCAAES) ISEA (International Society of Environmental Analysis)  
Conference Arizona October 2005
30. **Yeatts KB**, Svendsen E, Creason J, Williams R, Alexis N, Bromberg P, Neas L, Devlin R, Cascio W, Peden D Ambient Coarse Particulate Matter Associated with Hematologic Factors in Adult Asthmatics. Society of Epidemiologic Research Congress, June 2005 Toronto.
  31. **Yeatts KB**, Svendsen E, Creason J, Williams R, Bromberg P, Neas L, Devlin R, Cascio W, Peden DB. Ambient Coarse Particulate Matter Associated with Plasminogen and Fibrinogen Levels in Adult Asthmatics. International Society of Environmental Epidemiology Sept 2005.
  32. **Yeatts KB**, Lee SJ, Serre M. Spatial distribution of wheezing prevalence and airborne lead levels across rural and urban areas of North Carolina. International Society of Environmental Epidemiology Sept 2005.
  33. **Yeatts K** et al. Fine Particulate Matter associated with airway neutrophilia in a subpopulation of asthmatics. American Thoracic Society Conference, San Diego May 20-25 2005.
  34. **Yeatts KB**, Svendsen E, Alexis N, Reed W, Lay J, Harder S, Devlin B, Neas L, Bromberg P, Peden D. CD11b expression in the airway is associated with asthma severity, airway inflammation, and reduced percentage of CD54-positive blood lymphocytes in asthmatics. American Thoracic Society Conference, San Diego May 20-25 2005.
  35. **Yeatts KB**, Svendsen E, Heidenfelder B, Williams A, Inman J, Devlin B, Neas L, Bromberg P, Peden D, Gallagher J. Relationship Between Induced Oxidant Generation and Asthma Severity. American Thoracic Society Conference, San Diego May 20-25 2005.
  36. Heidenfelder BL, Sams RL, Hatch G, **Yeatts KB**, Svendsen ER, Hudgens E, Inman J, Devlin R, Neas L, Peden D, Gallagher JE. Application of a Simple Marker of Oxidative Stress for Clinical and Epidemiological Studies. American Association for Cancer Research April 2005
  37. Chen F, Williams R, Svendsen E, **Yeatts K**, Creason J, Terrell D, Devlin R. Coarse Particulate Matter Concentrations From Residential Outdoor Sites Associated with the North Carolina Asthma and Children's Environment Studies (NC-ACES). ISEA Conference (International Society of Environmental Analysis) Arizona October 2005
  38. Case M, **Yeatts K**, Williams R, Svendsen E, Creason J, Devlin R. Direct Personal Coarse Particulate Matter Concentrations Associated with the North Carolina Adult Asthma and Environment Study (NCAAES) ISEA (International Society of Environmental Analysis) Conference Arizona October 2005
  39. **Yeatts K**, Svendsen E, Alexis N, Williams R, Creason J, Reed W, Harder S, Bromberg P, Neas L, Devlin R, Peden DB. Fine particulate matter associated with airway neutrophilia in a subpopulation of adult asthmatics. EPA Asthma Incidence and Induction Conference Oct 18-19 2004.
  40. **Yeatts K**, Svendsen E, Alexis N, Reed W, Harder S, Lay J, Bromberg P, Neas L, Devlin R, Peden D. Fine particulate matter associated with airway neutrophilia in a subpopulation of adult asthmatics. EPA Asthma Incidence and Induction Conference Oct 18-19 2004.
  41. **Yeatts K**, Lee SJ, Serre M. Spatial distribution of wheezing prevalence and air pollution across North Carolina. International Society for Environmental Epidemiology, August 2004
  42. **Yeatts KB**, Gregory N, Shy CM, Mott J. School Absences Due to Asthma: A Prospective Cohort Study. Society for Epidemiologic Research, June 2004.

43. **Yeatts KB**, Gregory N, Shy CM, Mott J. School Days Missed in Asthmatics and Wheezers, Methods and Lessons Learned. CDC Asthma Conference, April 2004
44. **Yeatts KB**, Shy CM, Mott J. Prospective Study of School Absences in Asthmatic and Wheezing Children. American Thoracic Society, May 2004
45. Gallagher J, Svendsen E, **Yeatts K**, Roney S. Validation extraction and analysis of DNA from non-invasive samples for application in epidemiological studies. National Children's Study Stakeholders Conference, Nov 2003.
46. **Yeatts KB**. Measuring School Absences Due to Asthma. National Track Environmental Health Conference March 2004-Invited speaker
47. **Yeatts KB**, Davis KJ, Shy CM. "Health Consequences Associated with Frequent Wheezing" American Thoracic Society, May 2003.
48. Gallagher J, Svendsen E, **Yeatts K**, Roney S. Validation extraction and analysis of DNA from non-invasive samples for application in epidemiological studies. National Children's Study Stakeholders Conference, Nov 2003.
49. **Yeatts K**, Herget C, Lester M, Fletcher M. Preliminary Evaluation of the National Respiratory Training Centre (NRTC) Asthma Course for Healthcare Professionals. North Carolina Asthma Summit 2003
50. **Yeatts K**, Gregory N, Matthews M, Shy CM, Mott J. Assessing Asthma and Wheezing Related School and Parental Work Absences. CDC National Asthma Conference 2002
51. Herget C, Yeatts K. Evaluation of the National Respiratory Training Center's Asthma Course. CDC National Asthma Conference 2002
52. Yeatts K, Shy CM. Effects of Hurricane Floyd on the Respiratory Health of Susceptible Individuals. (poster) CDC National Asthma Conference 2002
53. Yeatts K, Sotir M, Shy CM. Previous Wheezing Associated with Current Functional Consequences and Healthcare in Children. Society for Epidemiologic Research, June 2002
54. Yeatts K, Sotir M, Shy CM. Demographics of Diagnosed and Undiagnosed Asthmatic Children in North Carolina. American Public Health Association Conference 2001
55. Yeatts K, Sotir M, Shy CM . Prevalence and Consequences of Diagnosed Asthma and Undiagnosed Wheezing Among Adolescents. International Congress of Epidemiology, (Society for Epidemiologic Research) June 2001
56. **Yeatts K**, Sotir M, Shy CM. Urban and Rural Childhood Asthma Prevalence in North Carolina, International Society of Environmental Epidemiology 2001
57. **Yeatts KB**. The North Carolina School Asthma Survey-First Results. North Carolina Department of Health and Human Services Asthma Summit Jan 9<sup>th</sup>, 2001
58. **Yeatts KB**, Sotir M, Shy CM, The prevalence of diagnosed asthma and undiagnosed Wheezing in 7<sup>th</sup> and 8<sup>th</sup> grades in North Carolina. APHA Nov 14-16, 2000
59. **Yeatts KB**, Shy CM. Preliminary results: The North Carolina School Asthma Survey. Society for Epidemiologic Research, June 2000

60. **Yeatts KB**, Shy CM. The Prevalence and Consequences of Asthma and Wheezing Symptoms in African-American and White Children. American College of Epidemiology Conference Sept. 26-28 1998
61. Tseng M, **Yeatts KB**, Newman B. Contextual Analysis of Smoking Behavior and Socioeconomics. Society of Epidemiologic Research Conference June 1999
62. **Yeatts KB**, Shy CM. Environmental Exposures in Diagnosed and Undiagnosed Asthmatic Children. International Society of Environmental Epidemiology (ISEE) August 1999
63. **Yeatts, KB**. Environmental Epidemiology Seminar- Ethical Issues in Epidemiologic Research: Ethics Case Study , November 13, 1998
64. **Yeatts KB**, Shy CM. Diagnosed Asthma and Wheezing In African-American and White Children. UNC Minority Health Conference. February 1998.
65. **Yeatts KB**. Case Study. Graduate Research Ethics Conference, Indiana University, June 3-7, 1998.

\*Mentored Student

### **Mentored Student/Post Doc Projects**

- 2010-2011 Free to Breathe, Free to Teach: Indoor Air Quality in Schools and Respiratory Health of Teachers . PI Yeatts. 0 percent effort, 7/1/10-6/30/11. UNC Center for Environmental Health and Susceptibility Pilot Grant. \$24,990 (Annual Direct Costs). Student: **Kim Gaetz**
- 2009-2010 Odors, Health, and Quality of Life in a Community Bordering a Landfill. ECHO Pilot Program. PI Yeatts , 0 percent effort. 4/1/09-3/30/11, \$8,000 (Annual Direct Costs) PostDoc: **Chris Heaney**

### **GRADUATE STUDENTS SUPERVISED**

#### **Doctoral committee member**

Yadong Xu. "The spatial heterogeneity and temporal variability of model performances from different air quality modeling simulation modeling systems." Department of Environmental Science and Engineering Expected graduation date: 2016

Ya-Ru Li. "Burden of Disease Attributed to Air Pollution from Different Sources in the North Carolina." Department of Environmental Science and Engineering. Completed 2015

Raquel DiSilva. "Climate Change, Air Quality and Human Health: Quantifying the global human health impacts of present and future ozone and PM2.5 outdoor air pollution." Department of Environmental Science and Engineering. Completed 2015.

Steven Lippmann. "The Impact of Extreme Heat on Emergency Department Visits in North Carolina." Department of Epidemiology. Expected graduation date: 2015 (up to August 1. 2014)

Charles Weir. "An investigation of the relationship between ambient air pollution, allergic sensitization, and allergic symptoms and disease." Department of Environmental Science and Engineering, Completed 2013. (note-**primary mentor**)



Kim Gaetz-"Free to Breathe, Free to Teach": Indoor Air Quality in Schools and Respiratory Health of Teachers Department of Epidemiology. Through 9/13. Completed 2014.

Michelle Sever- "Relationships between Community Violence, Asthma Morbidity and Exposure to Indoor Allergens among Asthmatic, Inner-City Children. Department of Epidemiology. Completed 2012.

Virginia Guidry-"A Longitudinal Study of Acute Respiratory Health in Children Attending Schools near Swine Concentrated Animal Feeding Operations." Department of Epidemiology. Completed 2011.

Susan Casper Anenberg-"Impact of Ozone and Fine Particulate Matter on Global Human Mortality." Department of Environmental Science and Engineering. Completed 2011.

Kelly Quinn. "An ecological examination of psychological stress and asthma among low-income families in Chicago: Family, housing and neighborhood determinants." Department of Epidemiology. Completed 2010.

Cindy Visness-"The association of overweight with allergy and asthma in children: Findings from the National Health and Nutrition Examination Survey (NHANES) 1999--2006". Department of Epidemiology. Completed 2008.

Seung-Jae Lee "A Bayesian Maximum Entropy approach to address the change of support problem in the spatial analysis of childhood asthma prevalence across North Carolina." Department of Environmental Science and Engineering. Completed 2006.

Sitthichok Puangthongthub "Bayesian Maximum Entropy space/time analysis of ambient particulate matter and mortality in Thailand ". Department of Environmental Science and Engineering. Completed 2006.

### **Masters committee member**

Jingjing Li. "Fish Consumption and Incidence of Asthma among American Young Adults: The CARDIA Study. Nutritional Epidemiology. Completed April 2011

Chieh-Han Lee. Land use regression modeling of contribution of outdoor air to indoor air quality in the UAE. Nov 2012.

Ling Wang."Replication Work of 'Temperature and Mortality in 11 Cities of the East United States.'" Department of Statistics. Completed 2011.

Mejs Hasan. "Mapping Environmental Diseases in the United Arab Emirates Using Bayesian Maximum Entropy and the Waller Model." Department of Environmental Science and Engineering. Completed 2010.

Rebecca Cohen. "Chemical and Particle Characterization of UAE Incense Smoke." Department of Environmental Science and Engineering. Completed 2012.

Doug Becker, "Future estimates of Ozone, PM2.5, and Temperature related Morbidity and Mortality in 2025." Department of Environmental Science and Engineering. Completed 2014.

Alycia Overbo. Health and Household Access to Water and Sanitation: A Global Analysis and Systematic Literature Review. Department of Environmental Science and Engineering. Completed 2014.

Bono Sen. MPH Thesis. "Cooking Should Not Kill; What Works, What Doesn't and What's Next? Strategies for Clean Cookstove Adoption." Public Health Leadership Program. Completed 2014

Jillian Hobsen. Surveillance of injuries occurring in a local Winston Salem football organization. PHLP. Completed 2018.

Anna Hoffmeyer. Telephone Interviewer Characteristics and Their Effects on Call Performance. PHLP. Completed 2018.

### **Practicum Supervisor**

Jillian Hobsen. Surveillance of injuries occurring in a local Winston Salem football organization. PHLP. 2017.

Anna Hoffmeyer. Tobacco Prevention and Evaluation Program *and the* Center for Regulatory Research and Tobacco Communication. PHLP. 2017.

Katherine Anderson. Quality Improvement in Environmental Health Permitting and Policy, Brunswick NC. PHLP 2018

Caroline Nagle. UNC Program to Evaluate Weight Loss and Fertility among Overweight Women. PHLP 2018

### **Other**

Ipsita Das. Department of Public Policy-Qualifying Exam contributor. March 2016

### **AWARDS and HONORS**

Student Undergraduate Teaching Award (SUTASA) UNC-Chapel Hill	2015
Received funds (\$3,000) for student summer research assistant position from NC Tobacco Prevention and Control Branch, NC Department of Health and Human Services	2002
Gift awarded by Merck Inc. in support of Manuscript preparation of the NC School Asthma Survey	2001
Society for Epidemiologic Research -2nd place Poster Award multi-level Analysis of Smoking in North Carolina Women	1999
Graduate Research Ethics Conference Reunion at Indiana University selected participant	1999
Graduate Research Ethics Conference at Indiana University awarded free attendance and travel expenses	1998
Health Promotion and Disease Prevention Mini-Project Award awarded \$3,000.	1997
Minority Health Research and Education Center Grant awarded \$4,988.	1997
Health Promotion and Disease Prevention Traineeship UNC-Chapel Hill awarded \$10,000.	1996
Public Health Service Traineeship awarded for 1 year, UNC-Chapel Hill	1995
Co-investigator, Faculty Research Grant Developed strategy for surveillance model	

with spirometry data, \$5,000	1992
Magna cum laude, A.B.	1988

## **PROFESSIONAL SERVICE**

### **Departmental and School**

MPH Applied Epidemiology Admissions Committee	Fall 2018-present
MPH Applied Epidemiology Graduate Studies Committee	Fall 2018-present
MPH Steering Committee, Department of Epidemiology Representative	Spring 2019-present
MPH Concentration Lead Committee, Applied Epidemiology	Spring 2018-Fall 2018
MPH Steering Committee, Department of Epidemiology Representative	Fall 2017-Spring 2018
MPH Core Instructor Committee	Spring 2018-present
MPH Steering Committee, Evaluation Sub-Committee Chair	August 2017-2018
Career Services Coordinator Position Search Committee, Gillings School of Global Public Health	March-April 2017
MPH Core Implementation and Evaluation Committee Gillings School of Global Public Health	2016-Spring 2017
Graduate Studies Committee, Department of Epidemiology	2016-
Administrative review of Larry Band, Director for the UNC Institute for the Environment	June 2014
UNC Environmental Epidemiology Training Grant (NIEHS) Member	2013-present
SPH Conflict of Interest Committee	2013-present
Center for Environment, Health, and Susceptibility, Proposal Review	2013, 2016
UNC Center for Environmental Health and Susceptibility Reviewer Educational Materials for Healthy Homes training	2012-present
Departmental Staff Excellence Award Committee Chair	April 2011
UNC Rebecca James Baker Scholarship	2011, 2015

### **University Service**

Distinguished Teaching Awards for Post-Baccalaureate Instruction Teaching Award Committee Member	2015, 2016, 2017
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Center for Faculty Excellence, Large Course Redesign Grants Proposal Reviewer	March 2017
Celebration of Undergraduate Research Symposium Moderator	April 18 2016
Duke-UNC Rotary Peace Center Conference Facilitator	April 9, 2016
Robertson Scholar Finalist Weekend Faculty Host	April 2015
<b>State Service</b>	
Co-Chairman of the Asthma Alliance of North Carolina	Feb 2005-present
Public Health and Climate Change Summit 2013: Focusing North Carolina Forward. Invited Participant.	Fall 2013
CDC grant-Climate Change North Carolina Advisory Board, member	July 2013-present
Core Asthma Partnership Evaluation Team, member	Feb. 2013-2015
NC Health Impact Assessment Work Group By request of NC Health Director Jeff Engel charged to examine the potential to improve public health in North Carolina by promoting the use of formal health impact assessments	Dec 11-June 2012
NC Asthma Program Advisory Board member Serve on panel reviewing CDC funded "Asthma Planning Grant" For NC State Health Department, Division of Chronic Disease	Oct 2005-present
NC Asthma Surveillance Committee member Serve on panel to develop asthma surveillance materials, For NC State Health Department, Division of Chronic Disease	Oct 2007-present
North Carolina State Asthma Summit 2008, Winston Salem NC Introduction MC	March 2008
Invited Steering Committee Member for the North Carolina Area Health Education Centers (AHEC) Asthma Initiative A program to improve outcomes of care for all children with asthma	Dec 2004-2007
Reviewer for NC Department of Environmental and Natural Resources Mobile Source Emissions Reduction Grant Proposals	Feb 2004, 2005
Chair of Epidemiology Committee, Asthma Alliance of North Carolina direct, coordinate epidemiologic efforts to address asthma in North Carolina.	1999-2008
Consultant to North Carolina Division of Environmental Health Co-wrote proposal and obtained \$40,000 for 4 county coalition to develop Low Cost Environmental Interventions for Asthma.	1999-2000
Changing Paradigms/Contextual and Social Epidemiology Seminar	1996-1999

Coordinator. UNC Department of Epidemiology  
Organized bimonthly seminar speakers, debates, discussions

### **Discipline Service**

NIH National Cancer Institute, Planning for Regional Centers of Research Excellence in Non-communicable Diseases in Low and Middle Income Countries (P20) Proposal Review October 2016

### **Reviewer for:**

Aerobiologia  
American Journal of Respiratory and Critical Care  
American Journal of Epidemiology  
American Journal of Public Health  
Annals of the American Thoracic Society (Previously Proceedings of the American Thoracic Society)  
Annals of Epidemiology  
BMC Women's Health  
Chemosphere  
Chest  
Clinical and Experimental Allergy  
Environmental Health Perspectives  
Environment International  
Environmental Science and Technology  
Environmental Research  
Indoor Air  
Inhalation Toxicology  
International Journal of Environmental Research and Public Health  
Journal of Asthma  
Journal of Asthma Clinical Immunology (JACI)  
Pediatrics  
Pediatric Pulmonology  
Progress in Community Health Partnerships: Research, Education, and Action

2014 Undergraduate Education for Public Health Summit,  
American Association of Public Health, Abstract Reviewer 2014, 2017

Lillenfield Student Prize Reviewer, Society for Epidemiologic Research 2007

NIH Eunice Shriver National Institute for Child Health  
and Human Development Proposal Review 2013

International Society for Environmental Epidemiology  
Rebecca James Baker Prize, Reviewer 2009-present  
ISEE Conference 2012 Outdoor Air Pollution Session Chair 2012

### **PROFESSIONAL MEMBERSHIPS**

International Society for Environmental Epidemiology 1997- 2013  
Society for Epidemiologic Research 1996- 2006  
American Thoracic Society 2003- 2007