

Kristina M. Zierold, PhD, MS

Curriculum Vitae

Department of Epidemiology and Population Health

School of Public Health and Information Sciences

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kmzier02@louisville.edu

EDUCATION AND TRAINING

- 2001 - 2003**
Post-doctoral **Epidemic Intelligence Service (EIS) Officer**
Centers for Disease Control and Prevention, Atlanta, Georgia
→ The Epidemic Intelligence Service is an elite team of doctoral level scientists who work on the frontlines of public health. Applying epidemiology and public health methods, EIS officers investigate disease outbreaks and clusters and respond to natural disasters, emergencies, and public health problems throughout the world. It is a two-year program.
- 1996 - 2001**
Ph.D. **Public Health - Epidemiology and Environmental/Occupational Health Sciences**
University of Illinois at Chicago, School of Public Health, Chicago, Illinois
- 1994 - 1996**
M.S. **Chemical Engineering** (Environmental focus)
Vanderbilt University, School of Engineering, Nashville, Tennessee
- 1990 - 1994**
B.S. **Chemical Engineering** (Environmental focus)
Worcester Polytechnic Institute, Worcester, Massachusetts

PROFESSIONAL EXPERIENCE

- July 2013 – **Associate Professor**, Department of Epidemiology and Population Health, University of Louisville School of Public Health and Information Sciences, Louisville, KY.
- 2007 - 2013 **Assistant Professor**, Department of Epidemiology and Population Health, University of Louisville School of Public Health and Information Sciences, Louisville, KY.
- 2005 - 2007 **Research Assistant Professor**, Department of Family Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.

- 2003 - 2005 **Assistant Professor**, Department of Environmental Health Sciences, University of South Carolina, Arnold School of Public Health, Columbia, SC.
- 2001 - 2003 **Epidemic Intelligence Service Officer**, Centers for Disease Control and Prevention, Atlanta, GA.
- 1997 - 2001 **Graduate Teaching Assistant**, Division of Epidemiology and Biostatistics and Division of Environmental/Occupational Health Sciences, University of Illinois at Chicago, School of Public Health, Chicago, IL.
- 1996 - 2001 **Graduate Research Assistant**, Division of Epidemiology and Biostatistics and Division of Environmental/Occupational Health Sciences, University of Illinois at Chicago, School of Public Health, Chicago, IL.
- 1998 - 1999 **Course Instructor**, Lead Worker/Contractor Certification Programs
Great Lakes Center for Occupational and Environmental Health and Safety,
University of Illinois at Chicago, Chicago, IL.
- 1997, 1998 **Course Instructor**, Introduction to Particle Sampling Methods
Air Pollution Training Institute, University of Illinois at Chicago, Chicago, IL.
- 1995 **Research Assistant**, Nashville/Middle Tennessee Study Monitoring Particulate Matter,
Air Pollution Gases and Health. Harvard University School of Public Health.
- 1994 - 1996 **Graduate Teaching Assistant**, Department of Chemical Engineering
Vanderbilt University, Nashville, TN.

RESEARCH ACTIVITIES

My research involves applying epidemiology and environmental and occupational health methods and concepts to community-based problems. My education and training included quantitative and qualitative research methods, as well as exposure assessment techniques; therefore my research utilizes mix-methods designs when applicable.

My specific interests include: children's environmental health, safety and health issues in working children and adolescents, adverse outcomes from heavy metals exposure and particulate exposure, environmental and social justice issues, air pollution modeling, and community-based research.

FUNDED RESEARCH ACTIVITIES, GRANTS, AND CONTRACTS

- 2015-2020 Principal Investigator, Coal Ash and Neurobehavioral Symptoms in Children Aged 6-14 Years Old (R01 ES24757). Funded by the National Institutes of Health, **National Institute for Environmental Health Sciences**, \$2.82 million
- 2012-2013 Principal Investigator, Children and coal ash: A potentially sickening combination. A cross-sectional study of residents living in proximity to the coal ash landfill and slurry pond on Cane Run Road – Louisville, KY. Funded by the **University of Louisville**, \$5,000.
- 2009-2012 Principal Investigator, Evaluation of safety training, supervision, and injury among working teenagers (R21 OH008934). Funded by the Centers for Disease Control and Prevention, **National Institute for Occupational Safety and Health**, \$396,496.
- 2008-2011 Principal Investigator, Safety and injury among teens enrolled in school-to-work apprentice programs (R03 OH008957). Funded by the Centers for Disease Control and Prevention, **National Institute for Occupational Safety and Health**, \$148,000.
- 2004-2005 Principal Investigator, Investigation of common characteristics among individuals with neurodegenerative diseases in Lancaster County, SC. Funded by the **J. Marion Sims Foundation**, \$76,619.

PUBLICATIONS

Peer-Reviewed Published Manuscripts

*Graduate student co-authors

1. **Zierold KM.** Safety training for working youth: Methods used versus methods wanted. *Work*, 2016; 54(1):149-157.
2. **Zierold KM** and McGeeney TJ.* Communication Breakdown: How working teens' perceptions of their supervisors impact safety and injury. *Work* 2016; 54(1): 3-9.
- 3.
4. **Zierold KM.** Perceptions of Supervision Among Injured and Non-Injured Teens Working in the Retail or Service Industry. *Workplace Health and Safety* 2016; 64(4): 152-162.
doi:10.1177/2165079915608858
5. **Zierold KM**, Sears CG*, Brock GN. Exposure reducing behaviors among residents living near a coal ash storage site. *Health Education and Behavior*, 2015 (in press).
6. **Zierold KM** and Sears CG.* Community views about the health and exposure of children living near a coal ash storage site. *Journal of Community Health* 2015; 40(2):357-63.
7. **Zierold KM**, Sears CG.* Are healthcare providers asking about environmental exposures?: A community-based mixed methods study. *Journal of Environmental and Public Health*, vol. 2015 Article ID 189526, 7 pages, 2015. doi:10.1155/2015/189526.
8. **Zierold KM.** Safety training among working teens: Training methods used, lessons taught, and time spent. *New Solutions* 2015; 25(1):25-41.
9. Welsh EC*, Appana S, Anderson HA, **Zierold KM.** The association between school-to-work programs and school performance. *Journal of Adolescent Health* 2014; 54(2):221-7.
10. **Zierold KM**, Welsh EC*, McGeeney TJ.* Attitudes of teenagers towards workplace safety training. *Journal of Community Health* 2012; 37(6):1289-95.
11. **Zierold KM**, Appana S, Anderson HA. Working for mom and dad: Are teens more likely to get injured working in family-owned businesses? *Journal of Community Health* 2012; 37(1): 186-194.
12. **Zierold KM**, Appana S, Anderson HA. School-sponsored work programs: A first look at differences in work and injury outcomes of teens enrolled in school to work programs compared to other working teens. *Occupational and Environmental Medicine* 2011; 68(11): 818-825.
13. **Zierold KM**, Appana S, Anderson HA. Students enrolled in school-sponsored work programs: The effect of multiple jobs on workplace safety and school-based behaviors. *Wisconsin Medical Journal* 2011; 110(4): 171-177.

14. **Zierold KM**, Havlena J, Anderson HA. Lead exposure and length of time needed to make homes lead-safe for young children. *American Journal of Public Health* 2007; 97(2): 267-270.
15. **Zierold KM** and Anderson HA. Racial and ethnic disparities in work-related injuries among teenagers. *Journal of Adolescent Health* 2006; 39(3): 422-426.
16. **Zierold KM** and Anderson HA. Severe injury and the need for improved safety training among working students. *American Journal of Health Behavior* 2006; 30(5):525-532.
17. Knobloch, L, **Zierold KM**, Anderson HA. The association of arsenic-contaminated drinking water with skin cancer prevalence in Wisconsin's Fox River Valley. *Journal of Health, Population and Nutrition* 2006; 24(2): 206-213.
18. **Zierold KM** and Anderson HA. The relationship between work permits, injury, and safety training among working teenagers. *American Journal of Industrial Medicine* 2006; 49(5): 360-366.
19. **Zierold KM**, Garman S, Anderson H. A comparison of school performance and behaviors among working and nonworking high school students. *Family and Community Health* 2005; 28(3): 214-224.
20. **Zierold KM**, Garman S, Anderson H. Summer work and injury among middle school students, aged 10-14 years old. *Occupational and Environmental Medicine* 2004; 61(6): 518-522.
21. **Zierold KM**, Knobloch L, Anderson H. Prevalence of chronic diseases in adults exposed to arsenic contaminated drinking water. *American Journal of Public Health* 2004; 94(11): 1936-1937.
22. **Zierold KM** and Anderson H. Trends in blood lead levels among children enrolled in special supplemental nutrition program for women, infants, and children from 1996 to 2000. *American Journal of Public Health* 2004; 94(9): 1513-1515.
23. Lipton RB, **Zierold KM**, Drum ML, Klein-Gitelman M, and Kohrman AF. Re-hospitalization after diagnosis of diabetes varies by gender and socioeconomic status in urban African-American and Latino young people. *Pediatric Diabetes* 2002; 3(1): 16-22.

Other Publications:

Zierold KM, Roth JA. 2000. Henry's law constants of selected VOC's: Correlation of VLE derived values and comparison with estimated values. In *Conference Proceedings Odors and VOC Emissions 2000*. Cincinnati, Ohio 16-19 April. Session 1-d. Water Environment Federation, pp. 43-69.

PEER-REVIEWED SCIENTIFIC MEETING PRESENTATIONS

*Graduate student co-authors

1. **June 2016** Sears CG*, Sears, Sears L, Hanchette C, Polivka B, **Zierold KM**. Identifying attention problems in children and adolescents with the Behavioral Assessment Research System (BARS). Poster session at the Developmental Neurotoxicology Society Annual Meeting, San Antonio, TX.
2. **June 2015** Sears CG*, Brock GN, and **Zierold KM**. Mental well-being of adults residing near coal ash storage facility. Poster session at the Society for Epidemiological Research Annual Meeting, Denver, CO.
3. **June 2015** Sears CG* and **Zierold KM**. Sleep disruptive behaviors reported in children residing near a coal ash storage facility. Poster session at the Society for Epidemiological Research Annual Meeting, Denver, CO.
4. **March 2014** **Zierold KM** and Sears C.* Exposure reducing behaviors among residents living near a coal ash storage site. Poster session at the American Academy of Health Behavior Annual Meeting, Charleston, SC.
5. **March 2014** **Zierold KM** and Sears C.* Are healthcare providers asking the right questions of people living near environmental hazards? Poster session at the American Academy of Health Behavior Annual Meeting, Charleston, SC.
6. **Nov. 2013** Sears C* and **Zierold KM**. A community-based approach to assessing emotional and behavioral disorders in children chronically exposed to coal ash. Poster session at the American Public Health Association Annual Meeting, Boston, MA.
7. **Sept. 2013** Sears C* and **Zierold KM**. Coal ash exposure and health in West Louisville, KY: a community-based mixed-methods study. Poster session at Research! Louisville.
8. **Nov. 2011** Welsh EC*, McGeeney TJ*, **Zierold KM**. Healthy communication between parents and working teens and its influence on work-related injury. Oral session at the American Public Health Association Annual Meeting, Washington, DC.
9. **Nov. 2011** Welsh EC*, McGeeney TJ*, **Zierold KM**. Knowledge of US child labor laws and influence on work-related injury among working teenagers. Poster session at the American Public Health Association Annual Meeting, Washington, DC.
10. **Nov. 2011** Welsh EC*, McGeeney TJ*, **Zierold KM**. Evaluation of safety training for teenagers in regards to dangerous situation response for injury prevention. Poster session at the American Public Health Association Annual Meeting, Washington, DC.

11. **Nov. 2011** Welsh EC*, McGeeney TJ*, **Zierold KM**. Use of dangerous equipment in the workplace and safety training: Effects on work-related injury in teenagers. Poster session at the American Public Health Association Annual Meeting, Washington, DC.
12. **Nov. 2011** McGeeney TJ*, Welsh EC*, **Zierold KM**. Injury severity among working teenagers as related to safety training. Poster session at the American Public Health Association Annual Meeting, Washington, DC.
13. **Nov. 2011** McGeeney TJ*, Welsh EC*, **Zierold KM**. Quality of supervision and injury among teenagers in the workplace. Poster session at the American Public Health Association Annual Meeting, Washington, DC.
14. **Oct. 2011** **Zierold KM**, Welsh EC*, McGeeney TJ*. What makes safety training effective in preventing injury among young workers? Poster session at the 2011 National Occupational Injury Research Symposium, Morgantown, WV.
15. **Oct. 2011** **Zierold KM**, McGeeney TJ*, Welsh EC*. The role of supervisors in preventing injury among working teens. Poster session at the 2011 National Occupational Injury Research Symposium, Morgantown, WV.
16. **Sept. 2011** Welsh EC*, McGeeney TJ*, **Zierold KM**. Racial differences in supervision among teens injured at work. Poster session at the National Institute for Occupational Safety and Health: Eliminating Health and Safety Disparities at Work Conference, Chicago, IL.
17. **Sept. 2011** McGeeney TJ*, Welsh EC*, **Zierold KM**. Gender disparities in risk-taking tendencies and workplace injury among teenagers. Poster session at the National Institute for Occupational Safety and Health: Eliminating Health and Safety Disparities at Work Conference, Chicago, IL.
18. **March 2011** **Zierold KM**, McGeeney TJ*. The role of safety training in preventing workplace injuries in teenagers. Poster session at the American Academy of Health Behavior Annual Meeting, Hilton Head, SC.
19. **Nov. 2010** **Zierold KM**, Appana S, Anderson HA. Are teens who work in family-businesses more likely to engage in hazardous tasks and be injured compared with other working teen. Oral session at the American Public Health Association Annual Meeting, Denver, CO.
20. **Nov. 2010** Appana S, Anderson HA, **Zierold KM**. Poor academic success for students in school-based work programs: How much work is too much. Poster session at the American Public Health Association Annual Meeting, Denver, CO.
21. **Nov. 2010** **Zierold KM**, Appana S, Anderson HA. Injuries among high school teens enrolled in work-based learning programs and the effect of multiple jobs on injury occurrence. Poster session at the American Public Health Association Annual Meeting, Denver, CO.

22. **Nov. 2010** McGeeney TJ* and **Zierold KM**. Supervision in the workplace: Shaping teenagers' perception of safety and reporting of injury. Poster session at Research! Louisville.
23. **Nov. 2009** **Zierold KM**, Appana S, Anderson HA. Does the School-to-Work program protect teens from work-related injury. Roundtable session at the American Public Health Association Annual Meeting, Philadelphia, PA.
24. **Nov. 2009** **Zierold KM**, Appana S, Anderson HA. Impact of participation in the School-To-Work program on teen's academic performance and school-based behaviors. Poster session at the American Public Health Association Annual Meeting, Philadelphia, PA.
25. **Sept. 2009** **Zierold KM**, Anderson HA. Working for mom and dad: The price kids pay. *Annals of Epidemiology* 2009; 19(9):660.
26. **Nov. 2008** Howard JM*, Watson LG, **Zierold KM**, Carreon, LY. Nuchal translucency and Down syndrome prenatal screening methods provided by OB-GYN physicians to expectant mothers in Kentucky. Poster session at the American Public Health Association Annual Meeting, San Diego, CA.
27. **Nov. 2006** **Zierold KM**, Anderson HA, Havlena J. Length of time needed to make homes lead-safe for children aged 0-6 years with elevated blood lead levels. Oral session at the American Public Health Association Annual Meeting, Boston, MA.
28. **Nov. 2006** **Zierold KM** and Anderson HA. Racial and ethnic disparities in work-related injuries among teenagers. Oral session at the American Public Health Association Annual Meeting, Boston, MA.
29. **Nov. 2004** **Zierold KM**, Garman S, Anderson H. Do work permits keep teen workers safe? Oral session at the American Public Health Association Annual Meeting, Washington, DC.
30. **Nov. 2003** **Zierold KM**, Garman S, Anderson H. Summer work and injury among middle school students, 2001. Oral session at the American Public Health Association Annual Meeting, San Francisco, CA.
31. **Oct. 2003** **Zierold KM**, Garman S, Anderson H. Summer work and injury among youth on family farms. Oral session at the National Occupational Injury Research Symposium, Pittsburgh, PA.
32. **April 2003** **Zierold KM**, Garman S, Anderson H. Summer work and injury among middle school students aged 10-14 years old-Wisconsin, 2001. Oral session at the Annual Epidemic Intelligence Service Conference, Atlanta, GA.
33. **Nov. 2002** **Zierold KM**, Garman S, Anderson H. Factors associated with severe injury in working youth. Oral session at the American Public Health Association Annual Meeting, Philadelphia, PA.

34. **June 2002 Zierold KM**, Havlena J, Anderson H. The rate of decline of blood lead levels in lead poisoned population of children 0-6 years old. Poster session at the Society For Epidemiological Research Annual Meeting, Palm Desert, CA.
35. **June 2002 Zierold KM** and Garman S. Summer employment and occupational injuries for Wisconsin middle and high school students. Oral session at the Council of State and Territorial Epidemiologists Annual Meeting, Kansas City, MO.
36. **April 2002 Zierold KM**, Havlena J, Anderson H. Rate of blood lead level decline among a lead poisoned population of children < 6 years old, Wisconsin, 1995. Poster session at the Annual Epidemic Intelligence Service Conference, Atlanta, GA.
37. **June 2001 Wadden R, Zierold KM**, Franke J, Conroy L, Scheff P, Theilen B. Estimation of personal exposures from a flux-cored arc welding operation. Oral session at the American Industrial Hygiene Conference, New Orleans, LA.
38. **April 2000 Zierold KM**, Roth JA. Henry's law constants of selected VOCs: Correlation of VLE derived values and comparison with estimated values. In Proceedings of the Water Environment Federation Odors and VOC Emissions 2000 Specialty Conference, Cincinnati, OH: 16-18 April 2000.
39. **Nov. 1999 Patel A**, Keenan H, Lipton R, **Zierold KM**, Stolte K, Chambers E, Onyemere K. Risk for diabetes complications by SES in inner-city minority children. American Public Health Association Annual Meeting, Chicago, IL.
40. **June 1999 Zierold KM**, Lipton RB, Keenan H, Patel A. Do minority children and families feel the need for more diabetes education? Poster session at the American Diabetes Association Annual Meeting, Chicago, IL.
41. **Zierold KM**, Lipton RB, Keenan H, Patel A. Do minority children and families feel the need for more diabetes education? *Diabetes* 1999; 48(5): SA387.
42. **June 1999 Lipton RB**, Keenan H, **Zierold K**. Stable 10-year incidence of insulin-treated diabetes in minority children despite changing diagnostic practices. American Diabetes Association Annual Meeting, Chicago, IL.
43. **June 1999 Patel A**, Lipton R, Keenan H, **Zierold K**, Chambers E, Stolte K. Is pubertal onset associated with complications in minority children with diabetes? *American Journal of Epidemiology* 1999; 149(11 suppl).
44. **June 1999 Keenan H**, Lipton R, **Zierold KM**, et al. What proportion of diabetes in minority young people is actually type 2? *American Journal of Epidemiology* 1999; 149(11 suppl).
45. **June 1998 Zierold KM** and Conroy L. Size selective particle sampling. Poster session at the American Industrial Hygiene Conference and Exposition, Atlanta, GA.

46. **June 1996 Zierold KM** and Roth J. Henry's law constants for volatile organic compounds. Poster session at the American Institute of Chemical Engineers Annual Meeting, Chicago, IL.

TEACHING AND TRAINING

I have been teaching since I was a graduate student. Over the years, I have taught undergraduate students, graduate students, and professionals taking certification courses in epidemiology, environmental health, and research methods. I am an interactive teacher who enjoys engaging students through creative avenues. I bring the real-world to the classroom and help students critically think through solving the problems.

Courses Taught at the University of Louisville

(Evaluation score 0-5, with 5 being the highest)

| Course | Semester | Role | Number of Students | Evaluation Scale for Instructor ^(a) | Evaluation Scale for Course ^(b) |
|--|-------------|-----------------|--------------------|--|--|
| PHEP- 617 Field Epidemiology (3 credit hours) | Spring 2015 | Course Director | 14 | 4.17 (n=6) | 4.33 (n=6) |
| | Spring 2014 | Course Director | 14 | 4.44 (n=9) | 4.56 (n=9) |
| | Spring 2012 | Course Director | 16 | 4.64 (n=11) | 4.73 (n=11) |
| | Spring 2010 | Course Director | 7 | 5.00 (n=6) | 5.00 (n=6) |
| | Spring 2009 | Course Director | 8 | 4.88 (n=8) | 4.63 (n=8) |
| | Spring 2008 | Course Director | 9 | 3.22 (n=9) | 3.11 (n=9) |
| PHEP- 655 Emerging Issues in Epidemiology (3 credit hours) | Spring 2010 | Course Director | 7 | 4.83 (n=6) | 4.66 (n=6) |
| PHEP- 620 Environmental and Occupational Epidemiology (3 credit hours) | Spring 2011 | Course Director | 12 | 4.89 (n=9) | 4.89 (n=9) |
| | Fall 2008 | Course Director | 4 | 4.67 (n=3) | 4.67 (n=3) |
| PHEP-750 Seminars in Epidemiology (3 credit hours) | Fall 2010 | Course Director | 5 | 5.0 (n=5) | 5.0 (n=5) |

(a) Question used: "The instructor stimulated interest in the subject matter."

(b) Question used: "My knowledge of the course topic has increased as a result of taking this course"

--Both are based on a scale ranging 0-5, where 5 is the best.

Courses I Developed at the University of Louisville

PHEP-617 Field Epidemiology

Field epidemiology is intended to give students an overview of the principles and methods needed to work as an epidemiologist in the community. This course covers issues pertaining to the investigation of outbreaks and disease clusters, development and implementation of questionnaires, interview techniques, data management and analysis, and communication techniques needed to present health information to the public.

PHEP- 620 Environmental and Occupational Epidemiology

This course is intended to provide students with an overview of methods and topics in environmental and occupational epidemiology; focusing on the impact of environmental and occupational stressors on human health over the lifespan. The course is divided into four time periods: in utero, childhood, adulthood, and old age, allowing for in-depth focus on methods, risk factors, and health outcomes applicable to the stage of development. This interactive course introduces students to unique study designs, measurement of exposure, issues of validity, specific risk factors for health outcomes, approaches to analysis, and special considerations in environmental and occupational epidemiology.

PHEP-655 Emerging Issues in Epidemiology

This course introduces students to emerging public health issues that epidemiologists in health departments, consulting companies, and government agencies are likely to be involved in, covering a wide array of topics and projects. Emphasis is on the role that practicing epidemiologists have played or are playing in current public health events. Students are actively engaged in selecting issues to study.

PHEP-750 Seminars in Epidemiology (Research and Work Involving Vulnerable Populations)

During this course, we explore several vulnerable populations; the extra considerations and precautions necessary when working with these groups, ethical violations that have occurred in these groups, and studies of various diseases, disorders, injuries, and social conditions in these groups. The course focuses both on the vulnerable populations defined by the Common Rule, as well as other populations that students select as vulnerable. If possible, the class spends time with a person or family member who has been affected by ethical violations in public health research or work. Examples include meetings with survivors of the Mengele Auschwitz Twin Studies, research participants who were lied to regarding treatment, or victims of improper consent/assent.

Guest Lectures Given in Other Courses at the University of Louisville

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|-------------|--|-------------|
| Fall 2015 | PHUN 400 – People, Policy, Environment | (1.5 hours) |
| Fall 2015 | PHUN 100 – Majoring in Public Health | (1 hour) |
| Fall 2012 | RICU – “Community-Based Research: Let’s Engage Louisville!” | (2 hours) |
| Spring 2012 | PHPB 710 – Community Based Participatory Research Topic: “Children and coal ash: a potentially sickening combination.” | (1 hour) |
| Spring 2011 | PHEP 617 – Field Epidemiology Topic: “Infectious disease modeling” | (1 hour) |
| | Topic: “Sampling strategies” | (1 hour) |
| | Topic: “Survey methods” | (1 hour) |
| | Topic: “Questionnaire design” | (1 hour) |
| Fall 2009 | PHEP 601 – Introduction to Epidemiology Topic: “Exposure in epidemiological studies” | (1 hour) |
| | Topic: “Surveying techniques for measuring exposure” | (2 hours) |
| Spring 2008 | PHPB 721 – Health Promotion and Healthcare Infection Topic: “Investigations in healthcare settings” | (1 hour) |
| Spring 2008 | PHEP 750 – Seminars in Epidemiology Topic: “Epidemiology of Injuries in Children... What do we know? How do we do it? Where do we go?” | (1 hour) |
| Fall 2007 | PHEP 601- Introduction to Epidemiology Topic: “Measuring exposure in epidemiological studies.” | (1 hour) |

Courses Taught at Other Institutions

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|-----------|--|
| 2003-2005 | University of South Carolina, School of Public Health, Depart. of Environmental Health <ul style="list-style-type: none"> • Course director, ENHS 760 Fundamentals of Air Pollution (3 hours) • Course director, ENHS 762 Fundamentals of Industrial Hygiene (3 hours) |
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1996-2001 University of Illinois at Chicago, School of Public Health, Professional Development Courses

- Course Instructor, Lead Worker/Contractor Certification Programs for the Great Lakes Center for Occupational and Environmental Health and Safety.
- Course Instructor, Introduction to Particle Sampling Methods for the Air Pollution Training Institute.

Advising and Mentoring Students Since 2007

| MPH STUDENTS | | | |
|----------------------|--------------------------------------|-------------------|---|
| Name | Degree Objective (department) | Role | Title of thesis or practicum, degree, year |
| Jennifer Howard | MPH (Epidemiology) | Practicum Advisor | “Prenatal screening and Down syndrome education provided by OB-GYN physicians to expectant mothers in Kentucky,” with Down Syndrome of Louisville MPH, 2008 |
| Michael Brad Cannell | MPH (Epidemiology) | Practicum Advisor | “Northern Kentucky’s investment in the future,” with Northern Kentucky Health Department, MPH, 2009 |
| Vanita Farrow | MPH (Epidemiology) | Practicum Advisor | “An evaluation of the oral cancer screening at the Kentucky State Fair,” with the University of Louisville School of Dentistry, MPH, 2009 |
| Todd Gibson | MPH (Epidemiology) | Practicum Advisor | “Sealants for Kentucky’s children, a project of “Kentucky Healthy Smiles 2010, 2003-2007,” with the University of Louisville School of |

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|---------------------|--|-------------------------------|---|
| | | | Dentistry, MPH, 2010 |
| James Grant | MPH (Epidemiology) | Practicum Advisor | "HIPAA compliance at a faith-based quarterly free clinic," with Sojourn Community Church, MPH, 2012 |
| Ashley Bergquist | MPH (Epidemiology) | Practicum Advisor | |
| MS STUDENTS | | | |
| Name | Degree Objective (department) | Role | Title of thesis or practicum, degree, year |
| Teresa McGeeney | MS (Epidemiology) | Chair, Thesis Committee | "Teenagers' safety at work: Dangerous tasks and safety training," MS, 08/2012 |
| Clara Sears | MS (Epidemiology) | Chair, Thesis Committee | "Sleep disorders and chronic coal ash exposure," MS, 05/2014 |
| Jack Pfeiffer | MS (Epidemiology) | Chair, Thesis Committee | "Coal ash exposure and childhood asthma," MS expected 08/2016 |
| Lindsay Tompkins | MS (Epidemiology) | Chair, Thesis Committee | "Coal ash exposure and neurobehavioral performance," MS expected, 08/2016 |
| Sheng Xu | MS (Biostatistics and Bioinformatics) | Member, Thesis Committee | "Applying generalized estimating equations to dental data," MS 05/2013 |
| Kent Pugh | MS (Sociology) | Member, Thesis Committee | "Health of coal mining communities in Eastern Kentucky: changes over time," MS, 05/2014 |
| | | | |
| PHD STUDENTS | | | |
| Clara Sears | PhD (Epidemiology) | Chair, Dissertation Committee | "Coal ash exposure and ADHD," PhD expected 05/2017 |
| Abby Burns | PhD (Epidemiology) | Chair, Dissertation Committee | "Coal ash exposure and internalizing behaviors," |

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|------------------------------|-----------------------|-----------------------------------|--|
| | | | PhD expected 05/2017 |
| Christa Moore | PhD (Sociology) | Member, Dissertation Committee | “Identifying Gaps in Collaborative Exchange among Human Service Organizations,” PhD expected 08/2016 |
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| Chisom Odoh | PhD (Epidemiology) | Chair, Dissertation Committee | |
| Diana Quo | PhD (Epidemiology) | Chair, Dissertation Committee | |
| UNDERGRADUTE STUDENTS | | | |
| Alicia Mcquire | BA (Public Health) | Capstone Mentor | |

PROFESSIONAL ASSOCIATIONS

- American Public Health Association
- Society for Epidemiological Research
- American Academy of Health Behavior

HONORS AND AWARDS

- 2016 Outstanding Faculty Mentor, Recognized May 18, 2016
- 2013-2014 Faculty Favorite, “An outstanding professor nominated by students,” Delphi Center for Teaching and Learning, University of Louisville
- 2011-2012 Faculty Favorite, “An outstanding professor nominated by students,” Delphi Center for Teaching and Learning, University of Louisville
- 2010-2011 Faculty Favorite, “An outstanding professor nominated by students,” Delphi Center for Teaching and Learning, University of Louisville
- 2009 Nominee, Provost Award for Exemplary Advising, University of Louisville
- 2002 Student elect to Delta Omega (National Honor Society in Public Health)
- 1996-2001 National Institute for Occupational Safety and Health (NIOSH) Fellowship
- 1998 American Industrial Hygiene Foundation (AIHF) Fellowship

1994

Central New England AIChE Award for Significant Contribution

QUOTED/INTERVIEWED

Pittman, Geneva (December 2, 2011). *Arsenic in water tied to breathing issues*. Reuter's Health.
<http://www.reuters.com/article/2011/12/02/us-arsenic-issues-idUSTRE7B12E620111202>

Mills, Shamane (September 12, 2011). *Students who work more than one job more likely to be injured*.
 Wisconsin Public Radio. http://www.wpr.org/news/display_headline_story.cfm?storyid=27075

Ungar, Laura (October 15, 2007). *Cancer death rates are dropping, But Kentucky's figure remains highest in nation*. The Courier Journal, newspaper.
<http://www.courier-journal.com/apps/pbcs.dll/article?AID=/20071015/NEWS01/710150389&template=printart>

Adler, Tina (June 2007). *Lead: Dangerous Wait*. Environmental Health Perspectives.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1892110/>

Norton, Amy (August 31, 2006). *Teenagers commonly hurt on the job*. Reuter's Health.
<http://www.medicinenline.com/news/12/5814/Teenagers-commonly-hurt-on-the-job.html>

PROFESSIONAL SERVICE ACTIVITIES

National Service

- | | |
|---------------|---|
| 2010-2016 | Reviewer, abstracts for OSH Section for the American Public Health Association (APHA) annual meeting |
| 2013 -2015 | Reviewer, abstracts for American Academy of Health Behavior (AAHB) annual meeting |
| 07/2013-pres. | Associate Editor, Health Behavior and Policy Review. |
| 2013, 2014 | Reviewer, abstract for Society for Epidemiologic Research (SER) annual meeting |
| 2009, 2010 | Reviewer, applicants for the ASPH/CDC Allan Rosenfield Global Health Fellowship Program |
| 2009 | Reviewer, NIH Challenge Grants: ZRG1 PSE-C58 and ZRG1 PSE-J58 |
| 2008 | Reviewer, applicants for the ASPH/CDC/ATSDR Public Health Fellowship Program |
| 2008-pres. | Mentor, Delta Omega |
| 2004-2006 | Resource group member, environmental health sciences, ASPH education committee. Master's degree in public health core competency development project, October 2004 - August 2006. |

2004 Moderator, APHA national meeting

Ad-hoc Reviewer

American Journal of Public Health
Occupational and Environmental Medicine
American Journal of Preventative Medicine
American Journal of Health Behavior
Journal of Adolescent Health
Social Science and Medicine
American Journal of Industrial Medicine
PLOS One

University/School Service

University Service

2016- Member, Faculty Senate
2012-2014 Member, University of Louisville Minors on Campus Working Group
2013 Member, University of Louisville Distinguished Faculty Award in Service Screening
Committee
2011-2012 Member, University of Louisville Gift Card Committee
2008, 2012 Judge, Research Louisville!
2008, 2009 Member, University of Louisville Distinguished Faculty Award in Teaching Screening
Committee

School of Public Health Service

2013 Member, University of Louisville SPHIS West Louisville Working Group,
2007-2013 Member, School of Public Health Student Affairs Advisory Group
2008-2010 Member, School of Public Health Diversity Committee
2012 Organizer, School of Public Health collection for tornado victims living in Kentucky and
Indiana
2008-2011, Organizer, School of Public Health toy drive for foster children at Home of the Innocents
2015

2008 Judge, School of Public Health Middle School Essay Contest

Department Service

2016 Chair, Open-Rank Tenure Track Faculty Search Committee
2011, 2015 Chair, Proficiency Exam Committee
2008-pres Member, Department of Epidemiology Proficiency/Comp Committee
2007-pres Member, Department of Epidemiology Admissions Committee

Service Responsibilities at Prior Positions

2004-2005 Member, University of South Carolina SPH IT Committee
2004-2005 Advisor, University of South Carolina Environmental Health Graduate Student Organization
2004 EH Session Leader, University of South Carolina Public Health Camp (grades 5-8)
2003-2005 Member, University of South Carolina SPH Evaluation Committee
2003-2005 Member, University of South Carolina SPH Graduate Admissions Committee