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Education

- Dr.P.H. University of Alabama at Birmingham, AL; Environmental Health Sciences, 2006
Dissertation: *A Geographic Study of Childhood Cancers Near Hazardous Waste Sites in Florida.*
- M.P.H. University of South Florida, Tampa, FL; Epidemiology, 1999
- B.S. East Carolina University, Greenville, NC; Urban & Regional Planning, 1987

Professional Experience/Employment

- 2023-Present Professor, Department of Public Health, East Carolina University, Greenville, NC
- 2018-2023 Associate Professor, Department of Public Health, East Carolina University, Greenville, NC
- 2011-2018 Assistant Professor, Department of Public Health, East Carolina University, Greenville, NC
- 2009-11 Environmental Epidemiologist, Centers for Disease Control and Prevention, Atlanta, GA
- 2004-09 Environmental Epidemiologist, State of Florida, Department of Health, Tallahassee, FL
- 1992-2004 Environmental Health Supervisor, Martin County Health Department, Stuart, FL
- 1987-92 Land Use Planner, Martin County Growth Management Division, Stuart, FL

Selected Awards, Honors and Recognition

- 2021 ECU, Treasured Pirate Award
- 2020 ECU, Distinguished Graduate Faculty Mentor Award
- 2019-20 Albert Schwitzer Fellowship, Mentor
- 2019 ECU, Author Recognition (book)
- 2019 US EPA, Environmental Asthma Partnership Recognition (Vidant-ECU)
- 2018-19 Albert Schwitzer Fellowship, Mentor (inaugural scholarship recognition)
- 2017 State of North Carolina, Asthma Champion Award - NC Asthma Alliance
- 2013-21 ECU, Author Recognition Award
- 2011 Outstanding Public Health Surveillance Project Award, CDC
- 2009 Environmental Mentor Award, CDC Environmental Public Health Leadership Institute
- 2007-8 Environmental Public Health Leadership Institute Fellow, CDC
- 2005-8 Outstanding Student Mentor (Florida A&M University)
- 2003 Emerging Environmental Public Health Leader, CDC/ATSDR
- 2000 Senator Ken Pruitt, Medallion of Excellence, State of Florida
- 2000 Prudential - Davis Productivity Award, State of Florida

Professional Certifications

- 2017-2019 American Council-certified Indoor Environmental Consultant (#1711011)
- 2013-2017 Audiometric Technician/CAOHC Hearing Conservation
- 2012-2022 CDC, NIOSH – Pulmonary Function Technican, Spirometry (#112)
- 1989 State of Florida, Certified Building Contractor (CBC046597)
- 1995-present Registered Environmental Health Professional (#68473)

Professional Organization Memberships

- 2021-present Phi Kappa Phi Honor Society, Member
- 2016-present Association for Prevention Teaching and Research (APTR), Member
- 2012-present North Carolina Public Health Association (NCPHA), Member
- 2000-present National Environmental Health Association, Technical Advisory Committee, Member
- 2000-present American Public Health Association (APHA), Member

RESEARCH & SCHOLARSHIP

Peer-Reviewed Publications

2023

Kearney GD, Hylock R, Park YM, et al. Regional Trends of COVID-19-Like Illness- Related Emergency Department Visits in North Carolina (March 1, 2020–November 30, 2020). *North Carolina Medical Journal*. 2023;84(1). doi:10.18043/001c.67819

Michaud K, Iverson G, Reiskind MH, **Kearney G**, Richards SL. Brief Review of Japanese Encephalitis Virus: Recommendations Related to North Carolina Swine Farms and Wider Implications for Swine Farming. *Parasitologia*. 2022; 2(4):302-312. https://doi.org/10.3390/parasitologia2040025

Kearney GD, Iami S. Occupational Fatalities Among Grounds Maintenance Workers in the United States (2016-2020). *American Journal of Industrial Medicine*. 2023). (Revise and resubmit).

Fields M, Balaney J, Byrd B, **Kearney GD**, Richards SL. Retrospective assessment of preparedness for mosquito control post-Hurricane Florence in North Carolina. *Disaster Medicine and Public Health Preparedness*. (Revise and Resubmit).

2022

Mizelle E, Larson KL, Bolin LP, **Kearney GD**. Fluid Intake and Hydration Status Among North Carolina Farmworkers: A Mixed Methods Study. *Workplace Health & Safety*. August 2022. doi:10.1177/21650799221117273. PMID: 36002982

Jadotte YT, Caron RM, **Kearney GD**. Ecosystemic Theory, Practice, and Policy: Training Recommendations for Environmental Public Health. *Am J Prev Med*. 2022 Jan;62(1):135-144. doi: 10.1016/j.amepre.2021.09.004. PMID: 34774390.

Wambui D, Obi ON, Iverson G, O'Brien, **Kearney GD**. Environmental Exposure to Respirable Particles and Estimate Risk of Sarcoidosis: A Systematic Review and Meta-Analysis. *MedRxiv*. Preprint posted online April 22, 2022. doi: https://doi.org/10.1101/2022.04.19.22274019

2021

Kearney GD, Jones K, Park YM, Howard R, Hylock R, Wall B, Clay M, Schmidt P, Silvernail J. COVID-19: A Vaccine Priority Index Mapping Tool for Rapidly Assessing Priority Populations in North Carolina. *Online J Public Health Inform*. 2021 Dec 24;13(3):E13. doi: 10.5210/ojphi.v13i3.11617. PMID: 35082975; PMCID: PMC8765798.

Kearney GD, Mannarino.(2021). Chapter 11. Air Quality and Environmental Noise. In *REHS/RS Study Guide*, National Environmental Health Association. (5th ed., pp. 261).

Park YM, **Kearney GD**, Wall B, Jones K, Howard RJ, Hylock RH. COVID-19 Deaths in the United States: Shifts in Hot Spots over the Three Phases of the Pandemic and the Spatiotemporally Varying Impact of Pandemic Vulnerability. *Int J Environ Res Public Health*. 2021 Aug 26;18(17):8987. doi: 10.3390/ijerph18178987. PMID: 34501577; PMCID: PMC8431027.

Kearney GD, Schmidt P, Kraft SA. COVID-19: Strategic Considerations for Improving Population Health in Rural America. *J Public Health Manag Pract.* 2021 May-Jun 01;27(3):318-321. doi: 10.1097/PHH.0000000000001347. PMID: 33729205.

Knechtges PL, **Kearney GD**, Richards SL. Revisiting the Importance of Risk Communication for Public Health Practitioners. *J Public Health Manag Pract.* 2021 Nov-Dec 01;27(6):537-538. doi: 10.1097/PHH.0000000000001311. PMID: 33729196.

2020

Kearney GD. Preparing for the Health Impacts of a Changing Climate. *N C Med J.* 2020 Sep-Oct;81(5):301-306. doi: 10.18043/ncm.81.5.301. PMID: 32900889. Guest Editor.

Kearney GD, Garzon L. Calor Extremo: On the Frontlines of Climate Change with North Carolina Farmworkers. *N C Med J.* 2020 Sep-Oct;81(5):311-314. doi: 10.18043/ncm.81.5.311. PMID: 32900892. Arcury TA, Quandt SA, Arnold TJ, Chen H, Sandberg JC,

Kearney GD, Daniel SS. Work Safety Culture of Latinx Child Farmworkers in North Carolina. *Am J Ind Med.* 2020 Oct;63(10):917-927. doi: 10.1002/ajim.23161. Epub 2020 Jul 23. PMID: 33311830; PMCID: PMC7725478.

Kearney GD, Arcury TA, Quandt SA, Talton JW, Arnold TJ, Sandberg JC, Wiggins MF, Daniel SS. Respiratory Health and Suspected Asthma among Hired Latinx Child Farmworkers in Rural North Carolina. *Int J Environ Res Public Health.* 2020 Oct 29;17(21):7939. doi: 10.3390/ijerph17217939. PMID: 33138070; PMCID: PMC7662586.

Kearney GD, Cowin P, Hicky T, et al., SWARM: A regional health system's intervention approach to COVID-19 outbreaks in nursing and adult day care homes in rural, eastern North Carolina. *Journal of Hospital Admin* 2020 Vol. 9, No. 4, pp 27-33.

Kearney GD, Berkner AN, Langley RL, Little NRG, Wambui DW. Occupational Hazards and Health and Safety Risks for Latino Tree Trimmers in the Pine Forest Industry. *New Solut.* 2020 Nov;30(3):183-191. doi: 10.1177/1048291120947480. Epub 2020 Aug 12. PMID: 32787511.

Wambui D, Obi ON, **Kearney GD**. Association Between Obesity and Sarcoidosis: A Systematic Review and Meta-analysis. *American Journal of Internal Medicine. Special Issue: Occupational and Environmental Lung Diseases: The Emergency Global Health Threats.* Vol. 8, No. 5, 2020, pp. 237-245. doi: 10.11648/j.ajim.20200805.18.

Arnold TJ, Arcury TA, Sandberg JC, Quandt SA, Talton JW, Mora DC, **Kearney GD**, Chen H, Wiggins MF, Daniel SS. Heat-Related Illness Among Latinx Child Farmworkers in North Carolina: A Mixed-Methods Study. *New Solut.* 2020 Aug;30(2):111-126. doi: 10.1177/1048291120920571. Epub 2020 Apr 29. PMID: 32349618; PMCID: PMC7363553.

Kearney GD. Bridging Silos: Collaborating for Environmental Health and Justice in Urban Communities. *Journal of Pub Hlth Mgmt Prac.* 2020 26(1);97, Jan/Feb; Book Review. doi: 10.1097/PHH.0000000000001116.

2019

Arcury TA, Arnold TJ, Quandt SA, Chen H, **Kearney GD**, Sandberg JC, Talton JW, Wiggins MF, Daniel SS. Health and Occupational Injury Experienced by Latinx Child Farmworkers in North Carolina, USA. *Int J*

Environ Res Public Health. 2019 Dec 30;17(1):248. doi: 10.3390/ijerph17010248. PMID: 31905836; PMCID: PMC6981743.

Lichtveld M, **Kearney GD**. JPHMP 25th Anniversary on Environmental Health. J Public Health Manag Pract. 2019 Jan/Feb;25(1):22-24. doi: 10.1097/PHH.0000000000000925. PMID: 30507799.

Kearney GD, Obi ON, Maddipati V, Mohan A, Malur A, Carter JC, Thomassen MJ. Sarcoidosis deaths in the United States: 1999-2016. Respir Med. 2019 Mar;149:30-35. doi: 10.1016/j.rmed.2018.11.010. Epub 2018 Nov 16. PMID: 30471894.

Arcury TA, Arnold TJ, Sandberg JC, Quandt SA, Talton JW, Malki A, **Kearney GD**, Chen H, Wiggins MF, Daniel SS. Latinx child farmworkers in North Carolina: Study design and participant baseline characteristics. Am J Ind Med. 2019 Feb;62(2):156-167. doi: 10.1002/ajim.22938. Epub 2018 Dec 28. PMID: 30592532; PMCID: PMC6693878.

Kearney GD, Wooten W, Mohan A, Christopher Carter J, Jones K, Blount T, O'Brien K. Asthma deaths in North Carolina: 1999-2016. J Asthma. 2020 May;57(5):478-486. doi: 10.1080/02770903.2019.1579830. Epub 2019 Feb 27. PMID: 30810458.

Guidotti TL, Cook-Shimanek M, Papanek P, Pensa M, Perkison B, Saberi P, Nabeel I, **Kearney GD**, McCarthy R. The Sustainable Energy Transition and Occupational Health. J Occup Environ Med. 2019 Jun;61(6):e306-e307. doi: 10.1097/JOM.0000000000001602. PMID: 31167226.

Mohan A, **Kearney GD**, Miller AC. Single Maintenance and Reliever Therapy (SMART) Regimen for Management of Persistent Asthma. Acad Emerg Med. 2019 May;26(5):567-570. doi: 10.1111/acem.13659. Epub 2018 Dec 14. PMID: 30408269.

2018

Kearney GD, Jones K, Bell RA, Swinker M, Allen TR. Climate Change and Public Health through the Lens of Rural, Eastern North Carolina. N C Med J. 2018 Sep-Oct;79(5):270-277. doi: 10.18043/nmc.79.5.270. PMID: 30228131.

Knechtges P, **Kearney GD**, Resnick B.. *Environmental Public Health: The Practitioner's Guide*. American Public Health Association. United States: APHA Press. Washington, DC. 2018.

Kearney GD; Environmental Public Health Surveillance; Environmental Public Health: The Practitioner's Guide; *American Public Health Association*. United States: APHA Press. Washington, DC. 2018.

Kearney GD; Environmental Public Health Surveillance; pp 103-124; In Environmental Public Health: The Practitioner's Guide; *American Public Health Association*. United States: APHA Press. Washington, DC. 2018.

Kearney GD; Introduction to Foodborne Illness Outbreak Investigations; pp 319-365; In Environmental Public Health: The Practitioner's Guide; *American Public Health Association*. United States: APHA Press. Washington, DC. 2018.

Kearney GD, Bell RA. Perceptions of Global Warming Among the Poorest Counties in the Southeastern United States. J Public Health Manag Pract. 2019 Mar/Apr;25(2):107-112. doi: 10.1097/PHH.0000000000000720. PMID: 29521847.

Dieu H, **Kearney GD**, Bian H, Jones K, Mohan A. Asthma-Related Emergency Department Visits in North Carolina, 2010-2014. N C Med J. 2018 Mar-Apr;79(2):81-87. doi: 10.18043/nmc.79.2.81. PMID: 29563299.

Perkison WB, **Kearney GD**, Saberi P, Guidotti T, McCarthy R, Cook-Shimanek M, Pensa MA, Nabeel I; ACOEM Task Force on Climate Change. Responsibilities of the Occupational and Environmental Medicine Provider in the Treatment and Prevention of Climate Change-Related Health Problems. *J Occup Environ Med*. 2018 Feb;60(2):e76-e81. doi: 10.1097/JOM.0000000000001251. PMID: 29252921.

Kelley T, **Kearney GD**. Insights Into the Environmental Health Burden of Childhood Asthma. *Environ Health Insights*. 2018 Feb 20;12:1178630218757445. doi: 10.1177/1178630218757445. PMID: 29497308; PMCID: PMC5824896.

Mannarino AJ, Langley RL, **Kearney GD**. Factors Associated with Aerial Pesticide Applicator Crashes in the United States: 1995-2013. *Glob Environ Health Saf*. 2017, Vol. 1 No. 2:14.

2017

Kearney GD, Blount T, Sharpe J. Tackling Childhood Asthma: A Case Study in Rural Eastern North Carolina. In: *JPHMP's 21 Public Health Case Studies on Policy & Administration*. Philadelphia, PA: Wolters-Kluwer; 2017.

Fadul N, Taylor P, **Kearney GD**; Predictors of Viral Load Suppression in HIV-infected Patient in Rural Eastern North Carolina., *Open Forum Infectious Diseases*, Volume 4, Issue suppl 1, 1 October 2017, Pages S421.

Jones M, **Kearney GD**, Xu X, Norwood T, Proescholdbell SK. Mortality Rates and Cause of Death Among Former Prison Inmates in North Carolina. *N C Med J*. 2017 Jul-Aug;78(4):223-229. doi: 10.18043/ncm.78.4.223. PMID: 28724668.

Kearney GD, Kuranga AO. Moving Upstream on Childhood Asthma and Housing. *J Public Health Manag Pract*. 2017 Mar/Apr;23(2):187-191. doi: 10.1097/PHH.0000000000000532. PMID: 28121766.

Kearney GD, Balanay JA, Mannarino AJ. Safety behavior and work safety climate among landscaping and groundskeeping workers in North Carolina: A pilot study. *Work*. 2017;56(1):45-53. doi: 10.3233/WOR-162475. PMID: 28128785.

Kearney GD, Balanay J, Mannarino A. Effectiveness of a Multifaceted Occupational Noise and Hearing Loss Intervention Among Landscaping and Groundskeeping Workers. *National Journal of Environmental Health*. 2017. 80. 8-15.

2016

Xu X, Hu H, **Kearney GD**, Kan H, Carrillo G, Chen X. A population-based study of smoking, serum cotinine and exhaled nitric oxide among asthmatics and a healthy population in the USA. *Inhal Toxicol*. 2016 Dec;28(14):724-730. doi: 10.1080/08958378.2016.1264502. PMID: 27973944.

Balanay JA, **Kearney GD**, Mannarino AJ. Noise exposure assessment among groundskeepers in a university setting: A pilot study. *J Occup Environ Hyg*. 2016;13(3):193-202. doi: 10.1080/15459624.2015.1091967. PMID: 26554597.

Kearney GD, Allen DL, Balanay JA, Barry P. A Descriptive Study of Body Pain and Work-Related Musculoskeletal Disorders Among Latino Farmworkers Working on Sweet Potato Farms in Eastern North Carolina. *J Agromedicine*. 2016;21(3):234-43. doi: 10.1080/1059924X.2016.1178613. PMID: 27081751.

Balanay JA, **Kearney GD**, Mannarino AJ. Assessment of Occupational Noise Exposure among Groundskeepers in North Carolina Public Universities. *Environ Health Insights*. 2016 Jun 13;10:83-92. doi: 10.4137/EHI.S39682. PMID: 27330303; PMCID: PMC4909058.

Kearney GD, Gallagher B, Shaw R. Respiratory Protection Behavior and Respiratory Indices among Poultry House Workers on Small, Family-Owned Farms in North Carolina: A Pilot Project. *J Agromedicine*. 2016;21(2):136-43. doi: 10.1080/1059924X.2016.1143429. PMID: 26788985.

Kearney GD, Hu H, Xu X, Hall MB, Balanay JA. Estimating the Prevalence of Heat-Related Symptoms and Sun Safety-Related Behavior among Latino Farmworkers in Eastern North Carolina. *J Agromedicine*. 2016;21(1):15-23. doi: 10.1080/1059924X.2015.1106377. PMID: 26479455.

2015

Arcury TA, **Kearney GD**, Rodriguez G, Arcury JT, Quandt SA. Work safety culture of youth farmworkers in North Carolina: a pilot study. *Am J Public Health*. 2015 Feb;105(2):344-50. doi: 10.2105/AJPH.2014.302254. PMID: 25521896; PMCID: PMC4318330.

Kearney GD, Rodriguez G, Quandt SA, Arcury JT, Arcury TA. Work Safety Climate, Safety Behaviors, and Occupational Injuries of Youth Farmworkers in North Carolina. *Am J Public Health*. 2015 Jul;105(7):1336-43. doi: 10.2105/AJPH.2014.302519. Epub 2015 May 14. PMID: 25973817; PMCID: PMC4463375.

Kearney GD, Namulanda G, Qualters JR, Talbott EO. A decade of environmental public health tracking (2002-2012): progress and challenges. *J Public Health Manag Pract*. 2015 Mar-Apr;21 Suppl 2(Suppl 2):S23-35. doi: 10.1097/PHH.000000000000181. PMID: 25621442; PMCID: PMC5667361.

Kearney GD, Xu X, Balanay JA, Allen DL, Rafferty AP. Assessment of personal protective equipment use among farmers in eastern North Carolina: a cross-sectional study. *J Agromedicine*. 2015;20(1):43-54. doi: 10.1080/1059924X.2014.976730. PMID: 25635742.

Kinney S, Lea CS, **Kearney GD**, Kinsey A, Amaya C. Predictors for Using a HIV Self-Test Among Migrant and Seasonal Farmworkers in North Carolina. *Int J Environ Res Public Health*. 2015 Jul 17;12(7):8348-58. doi: 10.3390/ijerph120708348. PMID: 26193299; PMCID: PMC4515726.

Becker A, Suther S, Dutton M, **Kearney GD**, Xu X. Florida county health department, environmental health 2006 survey: do rural counties know "what to do" in a chemical or all-hazards event? *J Environ Health*. 2015 Jan-Feb;77(6):14-9. PMID: 25619031.

Hu H, Kan H, **Kearney GD**, Xu X. Associations between exposure to polycyclic aromatic hydrocarbons and glucose homeostasis as well as metabolic syndrome in nondiabetic adults. *Sci Total Environ*. 2015 Feb 1;505:56-64. doi: 10.1016/j.scitotenv.2014.09.085. Epub 2014 Oct 10. PMID: 25310882.

Balanay JA, **Kearney GD**. Attitudes toward noise, perceived hearing symptoms, and reported use of hearing protection among college students: Influence of youth culture. *Noise Health*. 2015 Nov-Dec;17(79):394-405. doi: 10.4103/1463-1741.169701. PMID: 26572699; PMCID: PMC4900475.

Allen DL, **Kearney GD**, Higgins S. A Descriptive Study of Farm-Related Injuries Presenting to Emergency Departments in North Carolina: 2008-2012. *J Agromedicine*. 2015;20(4):398-408. doi: 10.1080/1059924X.2015.1074972. PMID: 26471949.

2014

Kearney GD, Phillips C, Allen DL, Hurtado GA, Hsia LL. Sun protection behaviors among Latino migrant farmworkers in eastern North Carolina. *J Occup Environ Med*. 2014 Dec;56(12):1325-31. doi: 10.1097/JOM.0000000000000275. PMID: 25479305.

Arcury TA, Rodriguez G, **Kearney GD**, Arcury JT, Quandt SA. Safety and injury characteristics of youth farmworkers in North Carolina: a pilot study. *J Agromedicine*. 2014;19(4):354-63. doi: 10.1080/1059924X.2014.945712. PMID: 25275401.

Kearney GD, Chatterjee AB, Talton J, Chen H, Quandt SA, Summers P, Arcury TA. The association of respiratory symptoms and indoor housing conditions among migrant farmworkers in eastern North Carolina. *J Agromedicine*. 2014;19(4):395-405. doi: 10.1080/1059924X.2014.947458. PMID: 25275405; PMCID: PMC4185398.

Balanay JA, Adesina A, **Kearney GD**, Richards SL. Assessment of occupational health and safety hazard exposures among working college students. *Am J Ind Med*. 2014 Jan;57(1):114-24. doi: 10.1002/ajim.22256. Epub 2013 Sep 16. PMID: 24105882.

Hu H, Ha S, Roth J, **Kearney GD**, Talbott EO, Xu X. Ambient Air Pollution and Hypertensive Disorders of Pregnancy: A Systematic Review and Meta-analysis. *Atmos Environ (1994)*. 2014 Nov 1;97:336-345. doi: 10.1016/j.atmosenv.2014.08.027. PMID: 25242883; PMCID: PMC4166571.

Kearney GD, Johnson LC, Xu X, Balanay JA, Lamm KM, Allen DL. Eastern Carolina Asthma Prevention Program (ECAPP): An Environmental Intervention Study Among Rural and Underserved Children with Asthma in Eastern North Carolina. *Environ Health Insights*. 2014 Jun 24;8:27-37. doi: 10.4137/EHI.S16430. PMID: 25057240; PMCID: PMC4077872.

Kearney GD, Rafferty AP, Hendricks LR, Allen DL, Tutor-Marcom R. A cross-sectional study of stressors among farmers in Eastern North Carolina. *N C Med J*. 2014 Nov-Dec;75(6):384-92. doi: 10.18043/nmc.75.6.384. PMID: 25402689.

Kearney GD, Shaw R, Prentice M, Tutor-Marcom R. Evaluation of respiratory symptoms and respiratory protection behavior among poultry workers in small farming operations. *J Agromedicine*. 2014;19(2):162-70. doi: 10.1080/1059924X.2014.886536. PMID: 24911691.

Kearney GD, Xu X, Balanay JA, Becker AJ. Sun safety among farmers and farmworkers: a review. *J Agromedicine*. 2014;19(1):53-65. doi: 10.1080/1059924X.2013.855691. PMID: 24417532.

Xu X, Hu H, Dailey AB, **Kearney GD**, Talbott EO, Cook RL. Potential health impacts of heavy metals on HIV-infected population in USA. *PLoS One*. 2013 Sep 2;8(9):e74288. doi: 10.1371/journal.pone.0074288. PMID: 24023932; PMCID: PMC3759466.

2013

Kearney GD, Lea CS, Balanay J, Wu Q, Bethel JW, Von Hollen H, Sheppard K, Tutor-Marcom R, Defazio J. Assessment of sun safety behavior among farmers attending a regional farm show in North Carolina. *J Agromedicine*. 2013;18(1):65-73. doi: 10.1080/1059924X.2012.743378. PMID: 23301891.

Kearney GD, Shehee M, Lyerly HK. Bridging the information gap between health and the environment in North Carolina. *J Public Health Manag Pract*. 2013 Sep-Oct;19(5):475-8. doi: 10.1097/PHH.0b013e318280010e. PMID: 23896978.

Kearney GD, Xu X, Hight A, Arcury TA. Case study. Behavior and perception of using safety gear among commercial landscapers: a pilot study. *J Occup Environ Hyg*. 2013;10(7):D79-85. doi: 10.1080/15459624.2013.794381. PMID: 23706148.

Traynor S, **Kearney GD**, Olson D, Hilliard A, Palcic J, Pawlowicz M. Fish consumption patterns and mercury exposure levels among women of childbearing age in Duval County, Florida. *J Environ Health*. 2013 Jan-Feb;75(6):8-15. PMID: 23397644.

Xu X, Hu H, **Kearney GD**, Kan H, Sheps DS. Studying the effects of polycyclic aromatic hydrocarbons on peripheral arterial disease in the United States. *Sci Total Environ*. 2013 Sep 1;461-462:341-7. doi: 10.1016/j.scitotenv.2013.04.089. Epub 2013 Jun 5. PMID: 23747551.

Kearney GD, Xu X, Balaney JA, Becker AJ. Sun safety among farmers and farmworkers: a review. *J Agromedicine*. 2014;19(1):53-65. doi: 10.1080/1059924X.2013.855691. PMID: 24417532.
Miller JA, **Kearney GD**, Proescholdbell SK. Surveillance of injuries in Eastern North Carolina following Hurricane Irene using emergency department data. *N C Med J*. 2013 Jul-Aug;74(4):272-8. PMID: 24044143.

2011

Xu X, Nembhard WN, Kan H, **Kearney GD**, Zhang ZJ, Talbott EO. Urinary trichlorophenol levels and increased risk of attention deficit hyperactivity disorder among US school-aged children. *Occup Environ Med*. 2011 Aug;68(8):557-61. doi: 10.1136/oem.2010.063859. Epub 2011 May 3. PMID: 21540483; PMCID: PMC3131187.

2008-2010 (prior to employment at ECU)

Xu X, Cook RL, Ilacqua VA, Kan H, Talbott EO, **Kearney GD**. Studying associations between urinary metabolites of polycyclic aromatic hydrocarbons (PAHs) and cardiovascular diseases in the United States. *Sci Total Environ*. 2010 Oct 1;408(21):4943-8. doi: 10.1016/j.scitotenv.2010.07.034. Epub 2010 Aug 10. PMID: 20701951.

Xu X, Dailey AB, Talbott EO, Ilacqua VA, **Kearney GD**, Asal NR. Associations of serum concentrations of organochlorine pesticides with breast cancer and prostate cancer in U.S. adults. *Environ Health Perspect*. 2010 Jan;118(1):60-6. doi: 10.1289/ehp.0900919. PMID: 20056587; PMCID: PMC2831969.

Kearney GD, Kiros GE. A spatial evaluation of socio demographics surrounding National Priorities List sites in Florida using a distance-based approach. *Int J Health Geogr*. 2009 Jun 17;8:33. doi: 10.1186/1476-072X-8-33. PMID: 19531266; PMCID: PMC2708146.

Nieder AM, MacKinnon JA, Fleming LE, **Kearney GD**, Hu JJ, Sherman RL, Huang Y, Lee DJ. Bladder cancer clusters in Florida: identifying populations at risk. *J Urol*. 2009 Jul;182(1):46-50; discussion 51. doi: 10.1016/j.juro.2009.02.149. Epub 2009 May 17. PMID: 19450849.

Xu X, Freeman NC, Dailey AB, Ilacqua VA, **Kearney GD**, Talbott EO. Association between exposure to alkylbenzenes and cardiovascular disease among National Health and Nutrition Examination Survey (NHANES) participants. *Int J Occup Environ Health*. 2009 Oct-Dec;15(4):385-91. doi: 10.1179/oe.2009.15.4.385. PMID: 19886349.

Young LJ, Gotway CA, Yang J, **Kearney GD**, DuClos C. Linking health and environmental data in geographical analysis: it's so much more than centroids. *Spat Spatiotemporal Epidemiol*. 2009 Oct-Dec;1(1):73-84. doi: 10.1016/j.sste.2009.07.008. Epub 2009 Jul 14. PMID: 22749414.

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Kearney GD. A procedure for detecting childhood cancer clusters near hazardous waste sites in Florida. *J Environ Health.* 2008 May;70(9):29-34; quiz 55-6. PMID: 18517151.

Young LJ, Gotway CA, Yang J, **Kearney GD**, DuClos C. Assessing the association between environmental impacts and health outcomes: a case study from Florida. *Stat Med.* 2008 Sep 10;27(20):3998-4015. doi: 10.1002/sim.3249. Erratum in: *Stat Med.* 2008 Sep 30;27(22):4616. PMID: 18320551.

MyNCBI (please see my NIH, National Library of Medicine bibliography)
<https://www.ncbi.nlm.nih.gov/myncbi/1rCojNCD9aBAX/bibliography/public/>

Books and Book Chapters

Knechtges P, **Kearney GD**, Resnick B.. *Environmental Public Health: The Practitioner's Guide.* American Public Health Association. United States: APHA Press. Washington, DC. 2018.

Kearney GD; Environmental Public Health Surveillance; pp 103-124; In *Environmental Public Health: The Practitioner's Guide;* American Public Health Association. United States: APHA Press. Washington, DC. 2018.

Kearney GD; Introduction to Foodborne Illness Outbreak Investigations; pp 319-365; In *Environmental Public Health: The Practitioner's Guide;* American Public Health Association. United States: APHA Press. Washington, DC. 2018.

Kearney GD, Blount T, Sharpe J. Tackling Childhood Asthma: A Case Study in Rural Eastern North Carolina. In: *JPHMP's 21 Public Health Case Studies on Policy & Administration.* Philadelphia, PA: Wolters-Kluwer; 2017

Presentations – International/National

Kearney GD, Jones K, Park YM, Howard R, Hylock, R, Wall B, Clay M, Schmidt P, Silvernail J. (July, 2022). *COVID-19: Development of a Vaccine and Distribution Priority Mapping Tool for Health Departments in North Carolina.* National Environmental Health Association, Spokane WA

Arnold TJ, Canaledis-Gamino V, Cabrera J, Carbajal MC, Arcury TA, Sandberg JC, Quandt SA, Daniel SS, **Kearney GD.** (February, 2020). *The Role of Youth Advocates in Sharing Research Results: The Hired Child Farmworker Study.* NIEHS Partnerships in Environmental Public Health Annual Meeting. Durham, NC

Kearney GD, Arnold TJ, Arcury TA, Talton JW, Sandberg JC, Quandt SA, Wiggins MF, Daniel SS. (February, 2020). *Respiratory Health Problems among Hired Latinx Child Farmworkers in North Carolina.* NIEHS Partnerships in Environmental Public Health Annual Meeting. Durham, NC

Arcury TA, Arnold TJ, Quandt SA, Chen H, **Kearney GD,** Sandberg JC, Talton JW, Wiggins M, Daniel SS (September 2020). *Work safety culture of Latinx child farmworkers in North Carolina, USA.* International Symposium on Work in Agriculture, France.

- Sandberg JC, Arnold TJ, Arcury TA, **Kearney GD**, Quandt SA, Wiggins MF, Talton JW, Daniel SS. (November 2020). *Change in employment status of Latinx child farmworkers from 2017 to 2018: Implications for health status*. American Public Health Association. (San Francisco; virtual).
- Wambui DW, **Kearney GD**. (April, 2019). *Differences in Perceptions and Risk of Climate Change between Rural and Urban Counties in North Carolina*. Association for Prevention Teaching and Research. Cleveland, OH.
- Kearney, GD**. (2016). *Work Safety Climate, Safety Behaviors and Occupational Injuries of Youth Farmworkers in N.C.* American Occupational and Environmental Medicine (AOHC), Chicago, Illinois.
- Kearney GD**. (July, 2014). *An Environmental Intervention Study among Rural and Underserved Children with Asthma in Eastern N.C.* National Environmental Health Association, Las Vegas, Nevada.
- Kearney GD**. (June, 2014). *Sun Protection Behaviors among Farmworkers in Eastern North Carolina*. International Society for Agriculture Safety and Health, Omaha, Nebraska.
- Rodriguez L. & **Kearney GD**. (November, 2014). *Youth farmworker safety and health: A North Carolina pilot study*. 142nd Annual Meeting and Exposition of the American Public Health Association. New Orleans, LA. November 17, 2014. New Orleans, Louisiana.
- Kearney GD**. & Moore, J. (2010). *Moving Forward, CDC Environmental Public Health Tracking: What's New and What's Next?* National Environmental Health Association, Albuquerque, New Mexico.
- Kearney GD**, & Dunlop, T. (2008). *Becoming the Healthiest Nation in a Healthier World, Bringing it Home: EH professionals, state, and local efforts*. ASTHO-NACCHO Joint Conference, Sacramento, California.
- Kearney GD**. (2007). *Disease Mapping in Florida: Using the Rapid Inquiry Facility (RIF) to Evaluate Birth Defects in Florida*. National Environmental Health Conference, 71st Annual Educational Conference, Atlantic City, New Jersey.
- Kearney GD**. & Young, L. (2007). *Environmental Public Health Tracking: Characterizing Air Quality and Health Outcomes in Florida Using Spatial Modeling Data*. Council for State and Territorial Epidemiologists, Atlantic City, New Jersey.
- Kearney GD**, Kite-Powell A., & Harris D. (2007). *Preparing for Tomorrow's Public Health Challenges, An Introduction to Using Demographic Data with GIS*. Florida Epidemiology Conference, Daytona Beach, Florida.
- Kearney GD**. (2006). *Using the Rapid Inquiry Facility to Evaluate Birth Defects in Florida*. Spatial Epidemiology Conference, London, United Kingdom.
- Kearney GD** & Dunlop T. (2009). *Environmental Public Health Tracking: A Local Perspective*. Environmental Public Health Tracking Workshop, Washington, District of Columbia.
- Kearney GD** & Duclos C. (2009). *Healthy People in a Healthy Environment, Building the EPHT Network in Florida through collaborations and partnerships*. National Environmental Public Health Conference, Atlanta, Georgia.
- Kearney GD** & Young, L. (2009). *Risk Analysis, The Evolution of a Science, Assessing the Association Between Public Health and Environmental Factors*. Society for Risk Analysis, Baltimore, Maryland.

Kearney GD & DuClos, C. (2009). *Spatial Analysis Concepts: Environmental Public Health Tracking.* Environmental Public Health Tracking Workshop, Portland, Oregon.

Kearney GD (2008). *Environmental Public Health Tracking.* University of Miami, Miller School of Medicine, Summer Seminar Series, Miami, Florida.

Kearney GD & Scott K. (2006). *Translating Data into Knowledge to Meet New Challenges, Environmental Exposure to Lead Developing Disability as an outcome, Environmental Health Tracking, Florida.* Environmental Public Health Tracking Workshop, Anaheim, California.

Presentations: National/Regional/State

Kearney GD. (April 2021). *Health Impacts of Climate Change: A Discussion on Population Vulnerability.* NC BREATHE - Clean Air Carolina Conference. Virtual.

Kearney GD. (April, 2021). *Health Equity and the Climate Crisis in North Carolina.* NC BREATHE, Clean Air Carolina Conference. Virtual.

Kearney GD. (February, 2021). Rural Health Symposium, Eastern AHEC. *Climate Equity: Global is Local.* Greenville, NC. Virtual.

Cowin P, **Kearney GD**, Hickey T, et al., (February, 2021). *SWARM: A Regional Health System's Intervention Approach to Addressing COVID-19 Outbreaks in Nursing Homes and Adult Care Homes in Rural Eastern N.C.* Unified Quality Improvement Symposium. Virtual.

Kearney GD. (April, 2020). Clean Air Carolina Conference. Climate Change and Public Health. Charlotte, NC. Virtual.

Kearney GD. (November, 2020). Laupus Library Author Recognition Awards. Greenville, NC. Invited Keynote Speaker.

Kearney GD, et al., Panel Discussion (March, 2019). “*More than one story,*” / “*Más de una historia,*” Sponsored by ECU Joyner Library, Student Action with Farmworkers and the College of Health and Human Performance’s Department of Health Education and Promotion.

Kearney GD. (October, 2019), Environmental Fall Lecture Series. *Recognizing the Public Health Impacts of Climate Change in Eastern NC.* Duke University, Durham, NC

Kearney GD. (November, 2018): Duke University, Environmental Fall Forum, Durham, NC. *Climate Change and Health.* Duke University, Durham, NC

Kearney GD, Blount T. (August, 2017). *Working to Reduce the Pediatric Asthma Burden In Eastern North Carolina.* Pediatrics Grand Rounds. Brody School of Medicine.

Kearney GD. (August, 2017). *Asthma Field Research.* Center for Health and Human Environment Meeting. NCSU, Raleigh, North Carolina.

Kearney GD. (May, 2017). *The Importance of Asthma Research.* North Carolina Asthma Summit. NC Asthma Alliance. Burlington, North Carolina.

Kearney GD. (March, 2017). *The Impacts of Climate Change and Public Health*. Carolina Nature Coalition and Sierra Club, Croatan Group, New Bern, North Carolina.

Kearney GD. (November, 2017). *Climate Change: An Eastern NC Perspective*. Sierra Club, Greenville, North Carolina.

Kearney GD. (December, 2016). *Childhood Asthma Program*. Duke University: Asthma Conference, Durham, North Carolina.

Kearney GD. (September, 2016). *Reducing Asthma among Rural and Underserved Children in Eastern N.C.* NC Forum on Sustainable In-Home, Asthma Management, Chapel Hill, North Carolina.

Balanay J. & **Kearney GD.** (September, 2016). *Noise Assessment among University Students*. North Carolina Public Health Association Conference, New Bern, North Carolina.

Kearney GD. (September, 2016). *How Environmental Health Professionals Can Play a Critical Role in Reducing Childhood Asthma*. North Carolina Public Health Association Conference, New Bern, North Carolina.

Kearney GD. (November, 2015). *Results of Noise Exposure among Grounds Maintenance Workers at Multiple Universities in N.C.* NORA Interdisciplinary Seminar Series, Chapel-Hill UNC, North Carolina.

Kearney GD. (2015). *Eastern Carolina Asthma Prevention Program*. Jean Mills Health Disparities Symposium, Greenville, North Carolina.

Kearney GD. (March, 2015). *Asthma Among Low-income Children in Rural eastern N.C.* N.C. Asthma Summit, Burlington, North Carolina.

Mannarino A. & **Kearney GD.** (March, 2015). *Noise Exposure among University Landscapers*. Carolinas American Industrial Hygiene Association, Charlotte, North Carolina .

Kearney GD. (March, 2014). *MPH/MD Degree at ECU*. Symposium on Health Careers for Undergraduate Students and Advisors, Greenville, North Carolina.

Kearney GD. (2014). *Environmental Intervention among Underserved Children with Asthma in N.C.* Global Health Program Lecture, Brody School of Medicine, Greenville, North Carolina.

Kearney GD. (January, 2013). *Epidemiology and Disease Surveillance*. Pitt County Health Department, Greenville, North Carolina.

Kearney GD. & Johnson L. (2013). *ECAPP: Community based, environmental intervention asthma research project*. NC Asthma Alliance, Raleigh, North Carolina.

Kearney GD. (2010). *America's Healthcare Policy through the Lens of Environmental Health, Environmental Public Health Tracking: How it Informs Health and Healthcare Decisions*. Research Triangle Environmental Health Collaborative, Raleigh, North Carolina.

Kearney GD. (2008). *60 Years of Environmental Health Education and Promotion, Adding Value: Environmental Public Health Tracking and the Development of Nationally Consistent Environmental Health Indicators for Florida*. Florida Environmental Health Association, Palm Beach Gardens, Florida.

Kearney GD. (2007). *Celebrating 60 Years of Environmental Health Excellence, Public Health Tracking: 201*. Florida Environmental Health Association, Orlando, Florida.

Kearney GD. (2006). *Using the Rapid Inquiry Facility to Evaluate Birth Defects in Florida*. Spatial Epidemiology Conference, London, United Kingdom.

Kearney GD. (2006). *An Introduction to the Rapid Inquiry Facility (RIF) and its use in the Environmental Public Health Tracking Program*. Florida Statewide Epidemiology Seminar, Florida.

Kearney GD, Johnson, D., & DuClos, C. (2005). *Environmental Public Health Tracking and Trends in Environmental Medicine*. Florida Environmental Health Association, Annual Education Conference, Jacksonville, Florida.

Kearney GD. (2005). *The Environmental Public Health Tracking Program: Focus on Florida*. National Environmental Health Association, 69th Annual Educational Conference, Providence, Rhode Island.

Kearney GD, Johnson D & DuClos, C. (2005). *Environmental Public Health Tracking in Florida Update: Linking Environmental Hazard Data with Health Outcome Data*. Florida Environmental Health Association, Annual Education Conference, Tampa, Florida.

Selected Poster Presentations

Doub A, **Kearney GD**, Romano N. (April, 2023). *National Assessment of Fatality Reports Among Landscaping and Tree Trimming Workers in the United States (1987-2023)*. ECU, Student Research and Creative Achievement Week.

Ubah C, **Kearney GD**, Pokhrel L. (April, 2023). *Risk of COVID-19 Infections among Patients with Asthma. A Scoping Review of the Literature*. ECU, Student Research and Creative Achievement Week.

Aborio E., Pokhrel L, **Kearney GD**. (April, 2023). *Human Health Effects of Lead in the Environment*. ECU, Student Research and Creative Achievement Week.

Kearney GD, Bynum M, Imai S, Sousan S, Mannarino (July, 2023) . *How Do You Stack Up? A Profile of the Environmental Health Workforce in the U.S.* New Orleans, LA. Accepted.

Kearney GD, Imai S, Bell R, Lazorick S, Richards SL, Muldrow JA, Kang JA. (November 2022). *Attitudes and Risk Perceptions towards Climate Change Among Rural and Underserved Counties in Eastern North Carolina*. APHA, Boston MA. Accepted.

Kearney GD, Jones K, Park YM, Howard R, Hylock, R, Wall B, Clay M, Schmidt P, Silvernail J. (July 2022). *COVID-19: Development of a Vaccine and Distribution Priority Mapping Tool for Health Departments in North Carolina*. National Environmental Health Association, Spokane WA.

Wambui DW, **Kearney GD**, Iverson G, O'Brien K, Ogugua O. Sarcodosis in North Carolina (April, 2022). East Carolina University, Research and Creative Achievements Week. Greenville, NC.

Bynum M, **Kearney GD**, Bailey EJ, Keene KL.(April, 2021). *A Meta-Synthesis of Environmental Justice Topics in North Carolina: 1965-2021*. NC BREATHE Conference. Virtual.

Kearney GD, Wall BT, Hickey T, et al., (February, 2021). *Collaborative Leadership: COVID-19, ENC Population Health Surveillance & Mapping Project*. Unified Quality Improvement Symposium. Virtual.

Kearney GD et al., (February, 2020). Respiratory Health among Latinx Children Farmworkers. NIEHS, Partnership for Environmental Public Health Conference (Durham, NC).

Arnold, TA, et al., (February, 2020). The Role of Youth Advocates in Sharing Research Results: The Hired Child Farmworker Study. NIEHS, Partnership for Environmental Public Health Conference (Durham, NC).

Fields M, Balanay J, **Kearney GD**, Byrd B, Richards SL (2020) Retrospective assessment of preparedness for mosquito control post-Hurricane Florence in North Carolina. Hurri-Con Conference (Greenville, NC).

Blount T, Morreale M, Lee S, **Kearney GD**, Unanka (September 2019). Medical-Legal Partnership to Address the Social Determinants of Health in Rural, Eastern North Carolina (National Harbor, MD).

Wambui D, **Kearney GD** (April, 2019). Undiagnosed Asthma among Hispanic Child Farmworkers in North Carolina. Research and Creativity Week (RCAW). East Carolina University.

Kearney GD, Jones K. (April 2019). *Climate Change Vulnerability Among Eastern North Carolinians*. ECU, College of Health and Human Performance. Earth Day event. (poster).

Kearney GD. (April, 2019). *Climate Change and Population Vulnerability Among Rural, North Carolinians*. Association of Prevention Teaching and Research (APTR). Cleveland, OH.

Kearney GD, Obi ON, Maddipati V, Mohan A, Malur A, Carter JC, Thomassen MJ. (April 2018). *Sarcoidosis Deaths in the United States: 1999-2016*. Chicago Ill.

Kearney GD. (December, 2017). *Climate Change through the Lens of Rural, Eastern North Carolina*. American Public Health Association (APHA). Atlanta, GA.

Kearney GD. (February, 2016). *Reducing racial and asthma disparities among children in eastern North Carolina*. REACH - Quality Improvement, Greenville, North Carolina.

Dieu H. & **Kearney GD**. (March, 2016). Asthma and Coal-fired Power Plants: An ecological Approach. NC BREATHE Conference, Charlotte, N.C.

Wei L. & **Kearney GD**. (March, 2016). Characterizing Mercury (Hg) Emission Vapors from Coal-fired Power Plants in N.C. (2010-2013). NC BREATHE, Charlotte, N.C.

Kearney GD. (April, 2015). *Title IV Air Pollution Sources in North Carolina*. UNC-W: Research Day, Wilmington, North Carolina.

Kearney GD. (June, 2014). *Eastern Carolina Asthma Prevention Program*. U.S. Department of Health and Human Services, USPHS Conference. Raleigh, North Carolina.

Kearney GD. (2014). *Sun Protection Behavior among Latino Farmworkers*. 28th Annual Yash P. Kataria Internal Medicine Research Day, Greenville, North Carolina.

Kearney GD. (2008). *Using Census Data to Examine Socio-Demographics around National Priority List (NPL's) Hazardous Waste Sites in Florida*. Florida Department of Public Health, GIS Showcase., Florida.

Kearney GD. & Blackmore C. (2009). *The Florida Environmental Public Health Tracking Program*. University of Florida, College of Health Professionals, Seminar Series, Gainesville, Florida.

Kearney GD. (2010). *Environmental Health Surveillance at CDC*. University of Georgia, College of Public Health, Department of Epidemiology Seminar Series, Athens, Georgia.

Kearney GD. (2011). *Environmental Public Health Tracking: Efforts towards Building a National Surveillance Network*. Grand Rounds, East Carolina University, Greenville, North Carolina.

Press and Media Coverage (2017-Present)

University

Sayewich N. June, 7, 2021. Mapping COVID-19: ECU, Vidant and Dartmouth partnership targeted ethical vaccine distribution.
<https://news.ecu.edu/2021/06/11/mapping-covid-19/>

Buday K. December 1, 2020. *Pirate Profiles: Faculty Spotlight*.
<https://news.ecu.edu/2020/12/01/greg-kearney/>

Dilda KR. November 19, 2019. Laupus Library Author Recognition Awards: Invited Key Speaker.
<https://hsl.ecu.edu/2019/11/19/laupus-library-recognizes-136-health-sciences-authors/>

Carrea S. Albert Schweitzer Fellowship Program: *Graduate student, earns first Schweitzer Fellowship at ECU*. The East Carolinian. April 23, 2018
http://www.theeastcarolinian.com/news/article_7435415a-476b-11e8-b8f4-0f894c3cc960.html

Graduate Student, Constantine Unanka (2019-2020) receives Schweitzer Fellowship Award.
<https://ncschweitzerfellowship.org/fellows/>

Ellis A. June 22, 2017. *New partnership to address health impacts of devastating storms in the East*.
<https://news.ecu.edu/2017/06/22/better-breathing/>

National/State

Climate Change and Public Health

News and Observer. April 21, 2016. Opinion and Commentary. *Protecting health of North Carolinians means addressing Climate Change*. Kearney GD and Neuspiel N.
<https://www.newsobserver.com/opinion/op-ed/article73150047.html>

Health, Equity and the Climate Crisis in North Carolina. April 19, 2021. NC BREATHE You Tube. *Health Impacts of Climate Change*.
<https://www.newsobserver.com/opinion/>

Truitt, B. March 23, 2017. WNCT TV *Climate Change's Effect on Health*.
<https://www.wnct.com/news/climate-change-could-increase-health-risks/>

Clabby C. March 23, 2017. NC Health News. *Local Knowledge Key in Responding to Climate Change*.
<https://www.northcarolinahealthnews.org/>

Pediatric Asthma

Phillips, K. March 29, 2018. Media Release. *Children in Eastern NC Experience Higher Asthma-Related Emergency Department Visits.*

<https://nciom.org/children-in-eastern-north-carolina-experience-higher-asthma-related-emergency-department-visits/>

Knopf T. April 27, 2018. *Asthma Rates highest Among Poor Minority Communities in Eastern N.C.*

<https://www.northcarolinahealthnews.org/2018/04/27/asthma-rates-highest-among-poor-minority-communities-in-eastern-n-c/>

Pitt Partners for Health. November 16, 2017. Facebook Live.

<https://www.facebook.com/PittPartnersForHealth/videos/>

Pediatric Asthma: YouTube Training Video.

https://www.youtube.com/watch?v=NcjtEqMFsMY&list=FLk0nuqlkvG9XquQwIdsT_CA&index=1

Funded Projects

- 2021-2023: CDC, National Institute of Occupational Safety and Health (NIOSH). Development and cognitive testing of toolbox talks for landscaping and tree care workers. \$41,600. Role: PI (**Kearney**)
- 2021-2022: Community Health Needs Assessment and Visualization. Foundation for Health Leadership and Innovation / Eastern Area Health Education Center (NC AHEC). \$67,086. Role: PI (**Kearney**)
- 2020-2021: NC House Bill 1043; CARES ACT Funding. Eastern NC COVID-19 Mapping Project (aka Development of a Geospatial Analysis Mapping and Vaccine Distribution Network). \$1,280,000. Role: PI (**Kearney**)
- 2020–2021: NC Department of Health and Human Services. Pitt County Community Prevention And COVID-19 Testing (ComPACT) Study.. \$500,000. PI (Kipp). Role: co-Investigator (**Kearney**).
- 2017-2019: Blue Cross Blue Shield of N.C.-Legal Aid of North Carolina. Medical Legal Partnerships and the Social Determinants of Health. PI: (Moralla). \$434,000. Role: co-Investigator (**Kearney**).
- 2016-2021: R01. National Institutes of Health. Hired Youth Farmworkers, Injuries and Work Safety Climate \$3,744,238.00. Arcury (PI). Role: co-PI (**Kearney**).
- 2016-2017: Brody Brothers Seed Grant Awards, ECU. Environmental Asthma among Rural and Underserved Children. Brody Brothers Endowment Foundation. \$44,194. Role: PI (**Kearney**).
- 2015-2016: Vidant Medical Center Foundation. Reducing Racial and Ethnic Asthma Disparities among Children and Teenagers in Pitt County. \$10,000. Role: PI (**Kearney**).
- 2014-2015: CDC/NIOSH to UNC-CH. Occupational Noise and Sun Exposure among Outdoor Workers. Total Worker Health.. \$8,000. Role: PI (**Kearney**).
- 2014-2016: A Community-wide Public Health Risk Assessment of Vulnerable Water Infrastructure in Coastal Cities, U.S. Dept. of Commerce - National Oceanic and Atmospheric Administration (NOAA). \$184,007. PI (Flye). Role: Co- Investigator (**Kearney**).

- 2013-2014: Vidant Edgecombe Hospital. Efforts to Improve Respiratory Health among High-Risk Children with Asthma in Edgecombe County.. \$9,965. Role: PI (**Kearney**).
- 2013-2014: SE Center for Agricultural Health and Injury Feasibility Projects in Agricultural Health & Safety University of Kentucky/National Institute for Occupational Safety & Health (NIOSH). Sun protection Behavior among Hispanic Farmworkers. \$14,108. Role: PI (**Kearney**).
- 2012-2013: North Carolina Healthy Homes Assessment Project, Principal Investigator, NC Department of Health and Human Services. \$24,000. Role: PI (**Kearney**).
- 2012-2013: Environmental Asthma in Eastern N.C. Engaged Outreach Scholars Academy (EOSA). \$5,000. Role: PI (**Kearney**).

Grants and Awards Under Review (09/2022)

- 2023-2025: NIH. R42. Development of an Integrated Smartphone/Resistive Nano sensor for Onsite Biomonitoring of Exposure to Pesticides. Phase II. \$1,200,000. PI (Wang). Role: PI (**Kearney**).
- 2022-2023: UNC-CH, Carolina Center for Total Worker Health® and Well-Being. A Multi-level Assessment Approach to Identify Factors Leading to Fatal Occupational Injuries among Hispanic/Latino Landscaping and Groundskeeping Workers. \$11,932. Role: PI (**Kearney**).
- 2022-2025: The Ethnic and Rural Health Disparities Program: Training the Next Generation of Public Health Leaders. HRSA. \$1,499,111. Bailey (PI). Role: co-PI (**Kearney**).

TEACHING

Current Courses (Taught, Co-Taught and/or Developed* - 2018-Present)

*Includes course syllabus, guidelines and policies.

Doctoral-level

- 2020-present PUBH 9000, Dissertation Research (Developed/Taught)
- 2020-present PUBH 8003, Issues and Case Studies in Occupational Medicine (co-Developed)
- 2020-present HUMS 7021, Independent Study, (Co-Taught)
- 2020 PUBH 8002, Public Health Microbiology, Water and Food Safety (co-Developed)
- 2018-present PUBH 8110, Emerging Issues in Env. & Occ. Health (Developed/Taught)
- 2019-present PUBH 8684, Applied Field Practicum (Developed/Taught)
- 2018-present PUBH 8125, Environmental and Occupational Epidemiology (Developed/Taught)

Masters-level

- 2017-present MPH 7031, Topics in Public Health (Taught)
- 2015-present MPH 6052, Independent Study (Taught)
- 2011-present MPH 6010, Fundamentals of Environmental Health (Developed/Taught)
- 2011-present MPH 6991, Professional Paper I (Taught)
- 2011-present MPH 6992, Professional Paper II (Taught)

Previous Courses Taught, Co-Taught and/or Developed* (2011-2017)

*Includes course syllabus, guidelines and policies.

Masters-level

2017-2018 MPH 6035, Interdisciplinary Rural Health (Co-Taught)
2014-2018 MPH 7200, Principles of Public Health Surveillance (Developed/Taught)
2011- 2019 MPH 6011, Introduction to Epidemiology (Taught)

Other Teaching

2016 EHST 2110, Environmental Health (Taught)
2014 Pulmonary Function Test (Spirometry), M-1 medical student (Co-lead/Taught)
2011-2020 MCBI 7401: Medical Micro & Immunology, M-2 medical students (Co-lead/Taught)

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Directed Graduate Student Research: Master's level (MPH)

<i>Year</i>	<i>Student Name</i>	<i>Project Title</i>
2022-2023	Hannah Mariani	Currently serving as pro paper advisor (6991/6992)
2022-2023	Sarah Mariani	Currently serving as pro paper advisor (6991/6992)
2020-2021	Brooklyn Lipscombe	Analysis of CHA's & Health Outcomes in Eastern North Carolina
2020-2021	Janice Pittman	COVID-19 and Internet Service: Discovering Correlations among Hispanic/Latinos in Eastern NC
2019-2020	Constantine Unanka	Assessment of Breakthrough Occurrences in Respirator Filter Cartridge using Dimethoate
2019-2020	Gabriel Beattie-Sergio	The Role of Environmental Health in the Medical-Legal Partnership
2019-2020	Sara Stevens	Examining the lung function of farmers in North Carolina
2018-2019	Taylor Davis	NC Farmers' Respiratory Protection Compliance: A Cross-Sectional Study
2018-2019	Edward Hill	Hydroxyurea Treatment Adherence among Patients with Sickle Cell Anemia: Systematic Review
2018-2019	John Carter	Pulmonary Embolism Mortality in North Carolina (2008-2016)
2017-2018	Ashley Berkner	Evaluating Occupational Injuries among Latino Workers in the Forestry Industry
2017-2018	Matthew Pittman	Correlation of Cytokines and FeNO Levels in a Small Pediatric Sample: A Pilot Study
2016-2017	Ravichandra Nisha	Assessment of Airway Inflammation and Perception of Asthma Control Among College Students
2016-2017	Mary Peaks	Targeting Agricultural Health and Safety Information Disseminatin for Young Farmers: A Mixed-Methods Approach
2016-2017	Linda Wei	Sampling for Environmental Triggers in Homes of Children with Moderate to Severe Asthma in Rural Eastern NC
2016-2017	Elizabeth Gates	Venomous and Non-Venomous Animal related Human Fatalities due to Animals in the United States: 1999-2014
2015-2016	Nicole Beck	ECU Groundskeepers: Assessing noise and sun exposure
2015-2016	Lacey Brown	MRSA Decolonization Protocol Compliance Rate in Vidant Medical Center
2015-2016	Troy McCallister	Noise Levels among Spectators at Sporting Events
2015-2016	Holly Dieu	Characterization of Asthma-Related Emergency Visits in North Carolina: 2000-2014
2015-2016	Austin Rice	Mortality and Death Certificates in N.C.
2014-2015	Sarah Bajwa	Indoor Environmental Assessment in homes of Coharie Native Americans
2014-2015	Truman Vereen	Potential health hazards associated with laboratory animal veterinarians
2014-2015	Adam Mannarino	Factors associated with crashes among aerial pesticide applicators in the United States (1995-2013)
2014-2015	Daniel L. Allen	A descriptive study of farm-related injuries presenting to emergency departments in North Carolina: 2008-2012
2014-2015	Bhavani Vasoya	Behaviors and attitudes towards sun exposure in North Carolina rural adolescents
2013-2014	Patricia Blackmon	Providing primary care in a behavioral health treatment center: Does it improve access to physical health care?
2013-2014	Alfred Justin	Distance as a determining factor in the access to adequate primary care for residents of eastern NC.
2012-2013	Samantha Kinney	The epidemiological investigation of HIV in seasonal/migrant farmworkers in NC and their perception of home test kits
2012-2013	Matthew Prentice	Assessment of lung function, respiratory symptoms among poultry farmers and workers
2012-2013	Anne Evans	Farmers use of personal protective equipment in Pitt and Greene Counties
2012-2013	Annelise Rogers	The use of PPE among farmers in eastern NC
2012-2013	James Miller	Surveillance of injuries and emergency department visits following Hurricane Irene in eastern NC
2012-2013	Lorenzo Hopper	Male perceptions on risk factors previously associated with African American infant mortality and adverse birth outcomes
2012-2013	Devika Srivista	Migrant farmworker housing violations in Florida (2011-2012)
2012-2013	Michaela Penix	Knowledge and attitudes of infant milk feeding options among African-American grandmothers in Lenoir Co., NC
2012-2013	Tiffany Cox	West Greenville Community Garden Network: Assessing Knowledge, Attitudes and Behavior of Community Participants
2011-2012	Lauren Hendricks	Identifying the stressors affecting farm families in two eastern NC Counties

Directed Student Research: Doctorate-level (DrPH and PhD)

<i>Years</i>	<i>Name</i>	<i>Dissertation Title</i>	<i>Role</i>
2022-	<i>Emily Potter</i>	<i>Starting at the source: the public health importance of a healthy watershed: Case studies from the Rivanna River Watershed Demonstrating How Forests Impact Watersheds, Water Quality, and Equitable Health</i>	<i>Chair</i>
2022-	<i>Maurica Bynum</i>	<i>Diversity, Ethics, and Training Needs in the U.S. Environmental Health Workforce</i>	<i>Chair</i>
2022-	<i>Dekoda Murphy</i>	<i>The Effect of Air Pollution During Lockdown Mandates and the Association of Air Pollution and COVID-19-Like Illness-Related Emergency Department Visits in North Carolina (March 1, 2020-November 30,2020)</i>	<i>Co-Chair</i>
2022-	<i>Chukwudi Ubah</i>	<i>Hospital Acquired Infections Using Novel Nanotechnology: Implications for Public Health</i>	<i>Committee</i>
2022-	<i>Elizabeth Abioro</i>	<i>Lead in the Environment and Human Health Impacts of Children with Lead in Pitt County</i>	<i>Co Chair</i>
2018-21	<i>David Wambui</i>	<i>Epidemiology of Sarcoidosis in North Carolina</i>	<i>Chair</i>
2018-22	<i>Heidi Knecht</i>	<i>Risk Assessment of Forestry Workers in US: Injuries, Fatalities, and Hazards Impacting Occupational Health</i>	<i>Committee</i>
2018-22	<i>Danielle Carter</i>	<i>Comparison of Wetbulb Globe Temperature Indices from Local Heat Stress Monitor and Regional Weather Station Data for Agricultural Settings in Eastern NC</i>	<i>Committee</i>
2017-20	<i>Elizabeth Mizzelle</i>	<i>Examination of Culture, Place and Environmental Heat Stress on Fluid Intake and Hydration Status among Latino Farmworkers</i>	<i>Committee</i>

(Service continued on next page)

SERVICE

Service to the Department of Public Health (DPH)

2022 Unit Code Proposal (Ad-hoc Committee), Member
2022 Faculty Search Committee (Department Chair), Member
2019-present Promotion and Tenure Committee, Member
2018 Faculty Search Committee, Environmental & Occupational Health (Position #2), Chair
2017 Faculty Search Committee (Department Chair), Member
2017-present DrPH, Environmental and Occupational Health program, Founder/Director
2017-present Curriculum Committee (DrPH), Environmental and Occupational Health, Chair
2017 Faculty Search Committee, Environmental & Occupational Health (Position #1), Chair
2017-present DrPH, Env & Occ Health Program Accreditation and Assessment, Co-Chair
2015-21 Public Health Foundations and Practice Graduate Certificate, Founder/Director
2015-18 DrPH Degree Formulation and Approval Committee, co-Chair
2012-19 Marketing Committee, Founder and past-Chair
2012 Faculty Search Committee (Epidemiology), Chair
2011-18 Evaluation Committee (TRACDAT/IPAR)
2011-present Community Advisory Board, Participant/Member
2011-13 Curriculum Committee (MPH), Member

Service to the University

2022-present Friends of Laupus Library Committee
2021-present Faculty Senate, Senator (Alternate)
2021-22 Graduate Faculty Mentor Award Committee, Member
2017-present BSOM, Graduate Studies Committee, Member
2016-present University Environment Committee, Member (appointed)
2016-present Graduate School, Program Directors and Coordinators, Member
2015 BSOM, Faculty Search Committee, Dean of Diversity and Inclusion, Member
2015-19 BSOM, Medical School Admissions Committee, (Interviewer)
2015-16 School of Public Health Advisory Panel, Member
2011-present NC Agromedicine Institute, Affiliate Member

Other Institutional Service Activities

2017-present Graduate mentor to junior faculty, graduate and doctoral students.

Service to North Carolina and Community

2023-present Sharpe's Warrior Foundation, Greenville, Volunteer
2022-present ReLeaf, Advocates for a greener Greenville, Board Member
2017-present NC Sierra Club, Cypress Group, Member
2013-present NC Asthma Alliance, Member
1962-present Weaver's Chapel Methodist Church, Littleton, NC

Professional Organization Service and Special Service Appointments

2021-Current CDC, NIOSH, NORA Services Sector Council, Landscaping Safety Workgroup
2021-Current National Environmental Health Association, Technical Advisory Committee (appointed)
2019-20 NC General Assembly, Legislative Cancer Research Advisory Panel (appointed)
2012-present Consulting Editor, Environmental & Occupational Health, Journal of Public Health Management and Practice

Other Professional Service: Peer Reviewed Journals and Grants (2017-23)

2022	JAMA
2021	American Journal of Industrial Medicine
2021	Journal of Public Health Informatics
2021	North Carolina Medical Journal
2019	Environmental Health Perspectives
2019	American Center of Oriental Research Fellowship Post-Doc
2019	Journal of Occupational and Environmental Medicine
2019	Annals of Epidemiology
2019	Environmental Science and Pollution Research
2019	NCSU, Center for Health and Human Environment (CHHE), Community Pilot Grant
2018	Journal of Sports Medicine
2018	American Thoracic Society (ATS) and European Society Respiratory, Workshop Report
2018	National Journal of Environmental Health
2018	Frontiers in Public Health
2016-18	Journal of Agromedicine
2011-present	Journal of Public Health Management and Practice

Revised March 10, 2023