

Whitney E. Zahnd, PhD

Present Title and Affiliation: Assistant Professor, Tenure-Track
Department of Health Management and Policy
College of Public Health
University of Iowa

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EDUCATION

PhD in Community Health May 2018
University of Illinois at Urbana-Champaign, College of Applied Health Sciences,
Department of Kinesiology and Community Health, Urbana, Illinois
Dissertation: "Disparities in Breast Cancer Subtype, Staging, and Access to Mammography
Services in the Lower Mississippi Delta Region"
(Chair: Karin A. Rosenblatt, PhD)

MS in Community Health (Epidemiology) May 2007
University of Illinois at Urbana-Champaign, College of Applied Health Sciences,
Department of Kinesiology and Community Health, Urbana, Illinois
Thesis: "Consumption of Caffeine and Its Association to Depression"
(Chair: Karin A. Rosenblatt, PhD)

BS in Microbiology May 2005
University of Illinois at Urbana-Champaign, College of Liberal Arts & Sciences,
Department of Molecular and Cellular Biology, Urbana, Illinois

POSTGRADUATE EDUCATION

University of South Carolina August 2018-July 2019
Arnold School of Public Health
Rural & Minority Health Research Center
Mentor: Jan M. Eberth, PhD

CERTIFICATIONS

Certificate in the Foundations of Teaching 2016
University of Illinois Urbana-Champaign Center for Innovation in Teaching and Learning

ACADEMIC APPOINTMENTS AND ROLES, CURRENT

Assistant Professor (Tenure-track) March 2021-present
Department of Health Management and Policy
College of Public Health
University of Iowa, Iowa City, IA

Co-Deputy Director-RUPRI Center for Rural Health Policy Analysis
University of Iowa (September 2022-present)

Full Member-Holden Comprehensive Cancer Center
University of Iowa (April 2021-present)

Adjunct Research Assistant Professor, April 2021-present
Department of Epidemiology and Biostatistics,
Rural & Minority Health Research Center,
Arnold School of Public Health,
University of South Carolina, Columbia, SC

ACADEMIC APPOINTMENTS/AFFILIATIONS, PREVIOUS

Research Assistant Professor August 2019-March 2021
South Carolina Rural & Minority Health Research Center,
Arnold School of Public Health,
University of South Carolina, Columbia, SC

Co-Director-Big Data Health Science Center Geospatial Core
University of South Carolina (May 2020-March 2021)

Post-Doctoral Fellow August 2018-July 2019
South Carolina Rural & Minority Health Research Center,
Arnold School of Public Health,
University of South Carolina, Columbia, SC

Adjunct Instructor, August 2017-July 2018
Department of Family and Community Medicine
Southern Illinois University School of Medicine, Springfield, IL

Senior Research Development Coordinator, January 2017-July 2018
Office of Population Science and Policy,
Southern Illinois University School of Medicine, Springfield, IL

Research Development Coordinator, July 2013-December 2016
Center for Clinical Research, Statistics and Research Informatics Core/
Population Health Science Program
Southern Illinois University School of Medicine, Springfield, IL

Clinical Research Specialist, July 2012-June 2013
Center for Clinical Research, Statistics and Research Informatics Core
Southern Illinois University School of Medicine, Springfield, IL

Researcher III, July 2010-June 2012
Center for Clinical Research, Statistics and Research Informatics Core
Southern Illinois University School of Medicine, Springfield, IL

Researcher III, January 2009-June 2010
Department of Internal Medicine, Division of Rheumatology,
Southern Illinois University School of Medicine, Springfield, IL

Researcher II, June 2007-December 2008
Department of Internal Medicine, Division of Rheumatology,
Southern Illinois University School of Medicine, Springfield, IL

Graduate Research Assistant, August 2006-May 2007
Department of Kinesiology and Community Health,
University of Illinois at Urbana-Champaign, Urbana, IL

Graduate Teaching Assistant, August 2005- May 2007
Department of Kinesiology and Community Health,
University of Illinois at Urbana-Champaign, Urbana, IL

PRACTICE-BASED WORK EXPERIENCE

Emergency Management Intern, May 2006-September 2006
City of Champaign Fire Department, Champaign, IL

Certified Pharmacy Technician, May 2002-September 2006
Walgreens Pharmacy, Champaign, IL

HONORS AND AWARDS

University of Iowa College of Public Health New Faculty Research Award	2021
National Rural Health Association Rural Health Fellow	2021
Top Disparities Poster at the American Society of Preventive Oncology virtual conference	2020
Best of <i>Cancer Epidemiology Biomarkers and Prevention</i> selection for article "Rural-Urban Differences in Cancer Incidence and Trends in the United States"	2020
Exceptional Reviewer Designation, <i>Journal of Rural Health</i>	2019,2020,2021
Frank J. Toth Research Award (SIU School of Medicine)	2017
American Association for Cancer Research Scholar-in-Training Travel Award	2016, 2017
University of Illinois Dean's List	2004-2005
University of Illinois College of Liberal Arts and Sciences James Scholar	2001-2002
Illinois Merit Scholarship	2001

PUBLICATIONS

Peer-Reviewed Publications (Published or In Press)

(numbered in chronological order; listed in reverse chronological order)

*Indicates a student or medical resident co-author

+ Indicates that I served as senior/corresponding author of a student-led paper

90. Day K*, Wilcox S, Liu J, **Zahnd WE+**. Associations Between Neighborhood Crime and Physical Activity Among Pregnant Women in South Carolina. *Preventing Chronic Disease*. In Press.

89. **Zahnd WE**, Hung P, Shi SK, Zgodic A*, Merrell MA, Crouch EL, Probst JC, Eberth JM. Availability of hospital-based cancer services before and after rural hospital closure, 2008 - 2017. *Journal of Rural Health*. 2022 Sep 21. doi: 10.1111/jrh.12716. Online ahead of print

88. Larson AE, **Zahnd WE**, Davis MM, Stange KC, Yoon J, Heintzman J, Harvey SM. Telemedicine Use Among Patients in Rural and Urban Safety Net Clinics Before and During the COVID-19 Pandemic. *American Journal of Preventive Medicine*. <https://doi.org/10.1016/j.amepre.2022.06.012>.

87. McDow AD*, Lanzotti N*, **Zahnd WE**, MacKinney EC, Angelos P, Mellinger JD, Ganai S. Impact of Endocrinologist and Surgeon Density on Well-Differentiated Thyroid Cancer Survival. *American Surgeon*. 2022 May 19;31348221091958. doi: 10.1177/00031348221091958
86. **Zahnd WE**, Ranganathan R*, Adams SA, Babatunde OA. Sociodemographic Disparities in Molecular Testing for Breast Cancer. *Cancer Causes & Control*. 2022 Apr 27. doi: 10.1007/s10552-022-01575-w. Online ahead of print.
85. **Zahnd WE**, Del Vecchio N, Askelson N, Eberth JM, Vanderpool RC, Overholser L, Madhivanan P, Hirschey R, Edward J. Definition and categorization of “rural” and assessment of access to care. *Health Services Research*. 2022 Feb 11. doi: 10.1111/1475-6773.13951. Online ahead of print.
84. Yeager K, **Zahnd WE**, Eberth JM, Vanderpool RC, Rohweder C, Teal R, Vu M, Stradtman L, Frost E, Trapl E, Koopman Gonzalez S, Vu T, Ko LK, Cole A, Farris PE, Shannon J, Askelson N, Seegmiller L, White A, Edward J, Davis M, Petermann V, Wheeler SB. Financial Navigation Staff Perspectives on Patients’ Financial Burden of Cancer Care. *Journal of Cancer Survivorship*. 2022 Jan 26. doi: 10.1007/s11764-022-01175-2. Online ahead of print.
83. Eberth JM, Hung P, Benavidez GA*, Probst JC, **Zahnd WE**, Merrell MA, McNatt MK, Crouch E, Toussaint E, Oyesode OJ*, Yell N*. The problem of the color line: spatial access to hospital services in historically minoritized populations. *Health Affairs*. 2022 Feb;41(2):237-246. doi: 10.1377/hlthaff.2021.01409.
82. Edward J, Petermann V*, Eberth J, **Zahnd W**, Vanderpool R, Askelson N, Rohweder C, Gonzalez S, Stradtman L, Ko L, Farris P. Interventions to Address Cancer-Related Financial Toxicity: Recommendations from the Field. *Journal of Rural Health*. 2021 Dec 3. doi: 10.1111/jrh.12637. Online ahead of print.
81. Babatunde OA, **Zahnd WE**, Eberth JM, Lawson AB, Adams SA, Boakye EA, Jefferson CG, Pearce J, Li H, Hughes-Halbert C. Association between Neighborhood Social Deprivation and Stage at Diagnosis among Breast Cancer Patients in South Carolina. *International Journal of Environmental Research and Public Health*. 2021, 18(22), 11824; <https://doi.org/10.3390/ijerph182211824>.
80. **Zahnd WE**, Bell N, Larson A. Geographic, Racial/Ethnic, and Socioeconomic Inequities in Broadband Access. *Journal of Rural Health*. 2021 Nov 18. doi: 10.1111/jrh.12635. Online ahead of print.
79. Sullivan E, **Zahnd WE**, Zhu JM, Kenzie E, Patzel M, Davis M. On a MISSION: Mapping Rural and Urban Veterans’ Spatial Access to Primary Care. *Journal of General Internal Medicine*. 2022 Jan 3. doi: 10.1007/s11606-021-07229-y. Online ahead of print.
78. Brown MJ, Joseph C*, James T*, Haider MR, **Zahnd WE**, Cohen SA. Health Disparities in Social Determinants of Health and Subjective Cognitive Decline: Mediating Role of Depression. *Journal of Gerontological Nursing*. 2022 Feb;48(2):13-22. doi: 10.3928/00989134-20220110-01. Epub 2022 Feb 1.
77. Zgodic A*, Eberth JM, Smith B, **Zahnd W**, Adams S, McKinley B, Horner R, O’Rourke M, Blackhurst D, Hudson M. Multilevel Predictors of Guideline Concordant Needle Biopsy Use for Non-Metastatic Breast Cancer. *Breast Cancer Research & Treatment*. 2021 Aug 17. doi: 10.1007/s10549-021-06352-y.
76. Hung P, Shi K, Probst JC, **Zahnd WE**, Zgodic A*, Merrell MA, Crouch E, Eberth JM. Trends in cancer treatment service availability across critical access hospitals and prospective payment system hospitals. *Medical Care*. 2021 Aug 25. doi: 10.1097/MLR.0000000000001635. Online ahead of print.
75. Petermann V*, **Zahnd WE**, Vanderpool RC, Eberth JM, Rohweder C, Teal R, Vu M, Stradtman L, Frost E, Trapl E, Gonzalez SK, Vu T, Ko LK, Cole A, Farris PE, Shannon J, Lee J*, Askelson N, Seegmiller, White A, Edward J,

Davis M, Wheeler SB. How Cancer Programs Identify and Address the Financial Burdens of Rural Cancer Patients. *Supportive Care in Cancer*. 2021 October 16. <https://doi.org/10.1007/s00520-021-06577-z>

74. Murphy C*, Evans S*, Askelson N, Eberth JM, **Zahnd WE+**. The extent of inclusion of “rural” in comprehensive cancer control plans. *Preventing Chronic Disease*. 2021 Sep 2;18:E86. doi: 10.5888/pcd18.210091

73. Eberth JM, **Zahnd WE**, Josey MJ, Schootman M, Hung P, Probst JC. Trends in Spatial Access to Colonoscopy in South Carolina, 2000-2014. *Spatial and Spatio-temporal Epidemiology*. <https://doi.org/10.1016/j.sste.2021.100414>.

72. Benavidez GA*, Zgodic A*, **Zahnd WE**, Eberth JM. Disparities in Meeting USPSTF Breast, Cervical, and Colorectal Cancer Screening Guidelines Among Women in The United States: An Analysis of 2018 BRFSS Data. *Preventing Chronic Diseases*. 2021 Apr 15;18:E37. doi: 10.5888/pcd18.200315.

71. **Zahnd WE**, Murphy C*, Knoll M*, Benavidez GA*, Day K*, Ranganathan R*, Luke P*, Zgodic A*, Shi K, Merrell MA, Crouch EL, Brandt HM, Eberth JM. The Intersection of Rural Residence and Minority Race/Ethnicity in Cancer Disparities in the United States. *International Journal of Environmental Research & Public Health*. 2021; 18(4):1384. <https://doi.org/10.3390/ijerph18041384>

70. Zgodic A*, **Zahnd WE**, Advani S, Eberth JM. Low-Dose CT Lung Cancer Screening Uptake: A Rural-Urban Comparison. *Journal of Rural Health*. 2021 Mar 18. doi: 10.1111/jrh.12568. Online ahead of print.

69. Adams SA, **Zahnd WE**, Ranganathan R*, Hung P, Brown M, Truman S*, Biesecker C*, Kirksey V*, Eberth JM. Rural and Racial Disparities in Colorectal Cancer Incidence and Mortality in South Carolina, 1996 – 2016. *Journal of Rural Health*. 2021 May 8. doi: 10.1111/jrh.12580. Online ahead of print.

68. Ranganathan R*, **Zahnd WE+**, Harrison SE, Brandt HM, Adams SA, Eberth JM. Spatial Access to Vaccine for Children Providers in South Carolina: Implications for HPV Vaccination. *Preventing Chronic Disease*. 2020;17:200300. DOI: <http://dx.doi.org/10.5888/pcd17.200300>

67. Hung P, **Zahnd WE**, Brandt HM, Adams SA, Wang S, Eberth JM. Cervical Cancer Survival and Time to Treatment Initiation: the Role of Residential Proximity to Cancer Care. *Gynecologic Oncology*. 2020 Oct 17:S0090-8258(20)34014-2. doi: 10.1016/j.ygyno.2020.10.006. Online ahead of print.

66. **Zahnd WE**, Josey MJ*, Schootman M, Eberth JM. Spatial Accessibility to Colonoscopy and Its Role in Predicting Late-Stage Colorectal Cancer. *Health Services Research*. 2020 Sep 20. doi: 10.1111/1475-6773.13562. Online ahead of print.

65. **Zahnd WE**, Gomez SL, Steck SE, Brown MJ, Ganai S, Zhang J, Adams SA, Berger FG, Eberth JM. Rural-Urban and Racial/Ethnic Trends and Disparities in Early-Onset and Average-Onset Colorectal Cancer. *Cancer*. 2020 Oct 28. doi: 10.1002/cncr.33256. Online ahead of print.

64. Zgodic A*, **Zahnd WE**, Miller DP, Studts JL, Eberth JM. Predictors of Lung Cancer Screening Utilization in a Population-Based Survey. *Journal of the American College of Radiology*. 2020 Jul 16:S1546-1440(20)30664-5. doi: 10.1016/j.jacr.2020.06.015. Online ahead of print.

63. **Zahnd WE**, Harrison S, Messersmith A, Stephens H*, Brandt HM, Hastings T, Eberth JM. Expanding Access to HPV Vaccination in South Carolina through Community Pharmacies: a Geospatial Analysis. *Journal of the American Pharmacists Association*. 2020 Jun 21:S1544-3191(20)30239-9. doi: 10.1016/j.japh.2020.05.005. Online ahead of print.

62. Odahowski CL*, Crouch EL, **Zahnd WE+**, Probst JC, McKinney SH, Abshire D. Rural-Urban Differences in Educational Attainment among Registered Nurses: Implications for Achieving an 80% BSN Workforce. *Journal of Professional Nursing*. <https://doi.org/10.1016/j.profnurs.2020.04.008>.
61. Probst JC, **Zahnd WE**, Hung P, Eberth JM, Crouch EL, Merrell MA. Rural-urban mortality disparities: variations across causes of death and race/ethnicity, 2013 – 2017. *American Journal of Public Health*. 2020 Sep;110(9):1325-1327. doi: 10.2105/AJPH.2020.305703. Epub 2020 Jul 16.
60. **Zahnd WE**, Crouch EL, Probst JC, McKinney SH, Abshire D, Eberth JM. Factors Associated with Perceived Job Preparedness among Registered Nurses: Results from a National Survey. *Journal of Nursing Administration*. 2020; 50(5):251-253.
59. Biesecker C*, **Zahnd WE***, Brandt HM, Adams SA, Eberth JM. A Bivariate Mapping Tutorial for Cancer Control Resource Allocation Decisions and Interventions. *Preventing Chronic Disease*. 2020;17: 190254. DOI: <http://dx.doi.org/10.5888/pcd17.190254>
58. Odahowski CL*, **Zahnd WE**, Zgodic A, Edward J, Hill L, Davis MM, Perry CK, Shannon J, Farris P, Wheeler SB, Vanderpool R, Eberth JM. Financial Hardship among Rural Cancer Survivors in the U.S. *Preventive Medicine*. 2019 Dec;129S:105881. doi: 10.1016/j.ypmed.2019.105881.
57. **Zahnd WE**, Sherman RL, Klonoff-Cohen H, McLafferty SL, Farner S, Rosenblatt KA. Breast Cancer Staging By Subtype in the Lower Mississippi Delta Region States. *Cancer Epidemiology*. 2019 Dec;63:101624. doi: 10.1016/j.canep.2019.101624. Epub 2019 Nov 1.
56. Hung P, Deng S*, **Zahnd W**, Adams S, Olatosi B, Crouch E, Eberth JM. Urban-rural disparities in residential proximity to colorectal and cervical cancer care specialists. *Cancer*. 2020 Mar 1;126(5):1068-1076. doi: 10.1002/cncr.32594. Epub 2019 Nov 8.
55. Probst J, **Zahnd W**, Breneman C. Declines in pediatric mortality fall short for rural children. *Health Affairs*. 2019 Dec;38(12):2069-2076. doi: 10.1377/hlthaff.2019.00892. Epub 2019 Nov 20.
54. Eberth JM, **Zahnd WE**, Adams SA, Friedman DB, Wheeler SB, Hebert JR. Cancer Mortality-to-Incidence Ratios by US Congressional District: Implications for Epidemiologic, Dissemination and Implementation Research and Public Health Policy. *Preventive Medicine*. 2019 Dec;129S:105849. doi: 10.1016/j.ypmed.2019.105849. Epub 2019 Nov 1.
53. Spencer JC*, Rotter JS*, Eberth JM, **Zahnd WE**, Vanderpool RC, Ko LK, Davis MM, Olshan AF, Wheeler SB. Employment changes following cancer diagnosis: the effects of race and place. *Journal of the National Cancer Institute*. <https://doi.org/10.1093/jnci/djz197>
52. **Zahnd WE**, McLafferty SL, Eberth JM. Multilevel Analysis in Rural Cancer Control in the United States: A Conceptual Framework and Methodological Implications. *Preventive Medicine*. 2019 Dec;129S:105835. doi: 10.1016/j.ypmed.2019.105835. Epub 2019 Sep 11.
51. Josey MJ*, Odahowski CL*, **Zahnd WE**, Schootman M, Eberth JM. Disparities in utilization of medical specialist for colonoscopy. *Health Equity*. 2019; 3(1):464-471. DOI: 10.1089/heq.2019.0052.
50. Bolinski R*, Ellis K*, **Zahnd WE**, Walters S, McLuckie C*, Schneider J, Rodriguez C, Ezell J*, Friedman S, Pho MT, Jenkins WD. Social norms associated with opioid misuse in rural communities: a systematic review. *Translational Behavioral Medicine*. 2019 Nov 25;9(6):1224-1232. doi: 10.1093/tbm/ibz129.

49. **Zahnd WE**, Askelson N, Vanderpool RC, Stradtman L, Edward J, Farris P, Petermann V*, Eberth JM. Challenges of Using Population-Based, Nationally Representative Surveys to Assess Rural Cancer Disparities. *Preventive Medicine*. 2019 Dec;129S:105812. doi: 10.1016/j.ypmed.2019.105812. Epub 2019 Aug 15.
48. Eberth JM, Crouch E, Josey MJ*, **Zahnd WE**, Adams SA, Stiles B, Schootman M. Rural-urban differences in access to thoracic surgery in the United States, 2010-2014. *Annals of Thoracic Surgery*. 2019 Oct;108(4):1087-1093. doi: 10.1016/j.athoracsur.2019.04.113. Epub 2019 Jun 22.
47. **Zahnd WE** and Eberth JM. Lung Cancer Screening Utilization: A Behavioral Risk Factor Surveillance System Data Analysis. *American Journal of Preventive Medicine*. 2019 Aug;57(2):250-255. doi: 10.1016/j.amepre.2019.03.015. Epub 2019 Jun 24.
46. McDow A*, **Zahnd WE**, Angelos P, Mellinger J, Ganai S. Impact of Rurality on National Trends in Thyroid Cancer Incidence and Long-term Survival. *Journal of Rural Health*. 2019 May 17. doi:10.1111/jrh.12374, [Epub ahead of print]
45. **Zahnd WE**, Sherman RL, Klonoff-Cohen H, McLafferty SL, Farner S, Rosenblatt KA. Disparities in Breast Cancer Subtypes among Women in the Lower Mississippi Delta Region States. *Cancer Causes & Control*. 2019 Jun;30(6):591-601. doi: 10.1007/s10552-019-01168-0.
44. **Zahnd WE**, Davis MM, Rotter JS*, Vanderpool RC, Perry CK, Shannon J, Ko LK, Wheeler SB, Odahowski CL*, Farris PE, Eberth JM. Rural-Urban Differences in Financial Burden among Cancer Survivors: An Analysis of a Nationally Representative Survey. *Supportive Care in Cancer*. 2019 Dec;27(12):4779-4786. doi: 10.1007/s00520-019-04742-z. Epub 2019 Apr 10.
43. McLuckie C*, Pho MT, Ellis K*, Navon L, Walblay K, Jenkins WD, Rodriguez C, Kolak MA, Chen YT, Schneider J, **Zahnd WE***. Identifying Areas with Disproportionate Local Health Department Services Relative to Opioid Overdose, HIV and Hepatitis C Diagnosis Rates: A Study of Rural Illinois. *International Journal of Environmental Research and Public Health*. 2019; 16(6), 989; <https://doi.org/10.3390/ijerph16060989>
42. Fogleman AJ, **Zahnd WE**, Lipka AE, Mahli RS, Ganai S, Delfino KR, Jenkins WD. Knowledge, Attitudes, and Perceived Barriers towards Genetic Testing across Three Rural Illinois Communities. *Journal of Community Genetics*. <https://doi.org/10.1007/s12687-019-00407-w> 2019 January 24.
41. Assel M, Sjoberg D, Elders A, Wang X, Huo D, Botchway A, Delfino K, Fan Y, Zhao Z, Koyama T, Hollenbeck B, Qin R, **Zahnd W**, Zabor EC, Kattan MW, Vickers AJ. Guidelines for reporting of statistics for clinical research in urology. *BJU International*. <https://doi.org/10.1111/bju.14640>
*Also published in *European Urology* and the *Journal of Urology*
40. **Zahnd WE**, McLafferty SL, Sherman RL, Klonoff-Cohen H, Farner S, Rosenblatt KA. Spatial Accessibility to Mammography Services in the Lower Mississippi Delta Region States. *Journal of Rural Health*. 2019 Jan 28. doi: 10.1111/jrh.12349. [Epub ahead of print]
39. Owings AC*, Fernandes SB, Olatoye MO, Fogleman AJ, **Zahnd WE**, Jenkins WD, Mahli RS, Lipka A. Population Structure Analyses Provide Insight into the Source Populations Underlying Rural Isolated Communities in Illinois. *Human Biology*. 2019 Feb 17;91(1):31-47. doi: 10.13110/humanbiology.91.1.05.
38. **Zahnd WE**, Mueller-Luckey GS, Fogleman AJ, Jenkins WD. Measuring rurality in the United States: do our measures and methods capture our intent? *Journal of Health Care for the Poor and Underserved*. 2019;30(1):70-79.

37. Deshpande M, **Zahnd WE**, Bandy L*, Lorenson J*, Fifer A. Spatial analysis of disparities in asthma treatment among adult asthmatics. *Research in Social and Administrative Pharmacy*. 2018 September 27 .<https://doi.org/10.1016/j.sapharm.2018.09.020>
36. **Zahnd WE**, Rodriguez C, Jenkins WD. Rural-urban differences in human papillomavirus-associated cancer trends and rates. *Journal of Rural Health*. 2018 May 28. Doi:10.1111/jrh.12305. [Epub ahead of print].
35. Sturm EC*, **Zahnd WE**, Mellinger JD, Ganai S. Survival Implications of Increased Utilization of Local Excision for cT1N0 Esophageal Cancer. *Annals of Surgery*. 2018 Apr 18. doi: 10.1097/SLA.0000000000002782. [Epub ahead of print]
34. Jenkins WD, Matthews A, Bailey A, **Zahnd WE**, Watson KS, Mueller-Luckey G, Molina Y, Crumly D, Patera J. Rural areas are disproportionately impacted by smoking and lung cancer. *Preventive Medicine Reports*. 2018; 10:200-203. <https://doi.org/10.1016/j.pmedr.2018.03.011>.
33. **Zahnd WE**, Jenkins WD, James AS, Izadi SR, Steward DE, Fogleman AJ, Colditz GA, Brard L. Utility and Generalizability of Multi-State, Population-Based Cancer Registry Data for Rural Cancer Surveillance Research in the United States. *Cancer Epidemiology Biomarkers & Prevention*. 2018 Nov;27(11):1252-1260. doi: 10.1158/1055-9965.EPI-17-1087. Epub 2018 Mar 21.
32. **Zahnd WE**, Fogleman AJ, Jenkins WD. Rural-urban disparities in staging of cancers with preventive opportunities. *American Journal of Preventive Medicine*. 2018 May;54(5):688-698. doi: 10.1016/j.amepre.2018.01.021. Epub 2018 Mar 15.
31. **Zahnd WE**, Jenkins WD, Shackelford J, Lobb R, Sanders J, Bailey A. Rural Cancer Screening and Faith Community Nursing in the Era of Affordable Care Act. *Journal of Health Care for the Poor and Underserved*. 2018; 29(1):71-80.
30. **Zahnd WE**, Hyon KS*, Diaz-Sylvester P, Izadi SR, Colditz GA, Brard L. Rural-Urban Differences in Surgical Treatment, Regional Lymph Node Examination and Survival in Endometrial Cancer Patients. *Cancer Causes & Control*. 2018 Feb; 29(2):221-232. doi: 10.1007/s10552-017-0998-4.
29. Romanelli M*, Issa T*, **Zahnd W**, Dynda D, Alanee S. Impact of County Rurality and Urologist Density on the Practice of Inguinal Lymph Node Dissection and Mortality in Patients Diagnosed with Squamous Cell Carcinoma of the Penis. *Annals of Surgical Oncology*. 2018 ;25(1):334-341. doi: 10.1245/s10434-017-6211-x.
28. **Zahnd WE** and McLafferty SL. Contextual Effects and Cancer Outcomes in the United States: A Systematic Review of Characteristics in Multilevel Analyses. *Annals of Epidemiology*. 2017; 27 (11):739-748. DOI: <http://dx.doi.org/10.1016/j.annepidem.2017.10.002>.
27. **Zahnd WE**, James AS, Jenkins WD, Izadi SR, Fogleman AJ, Steward DE, Colditz GA, Brard L. Rural-Urban Differences in Cancer Incidence and Trends in the United States. *Cancer Epidemiology Biomarkers and Prevention*.2018 Nov;27(11):1265-1274. doi: 10.1158/1055-9965.EPI-17-0430. Epub 2017 Jul 27.
26. Buckley EJ*, **Zahnd W**, Rea D, Mellinger J, Ganai S. Impact of Rural-Urban Status on Survival After Mastectomy without Reconstruction versus Mastectomy with Reconstruction. *American Journal of Surgery*. 2017 ;214(4):645-650. doi: 10.1016/j.amjsurg.2017.06.014.
25. Dean C, Fogleman AJ, **Zahnd WE**, Lipka AE, Mahli RS, Delfino KR, Jenkins WD. Engaging rural communities in genetic research: challenges and opportunities. *Journal of Community Genetics*. 2017 Jul;8(3):209-219. DOI: 10.1007/s12687-017-0304-x.

24. Mueller-Luckey GS, **Zahnd WE**, Garner K, Heitkamp R, Boehler MD, Jenkins WD, Steward DE. The Mini-Report: A practical tool to address lung cancer disparities in rural communities. *Journal of Cancer Education*. 2017 Jun;32(2):293-300. doi: 10.1007/s13187-015-0921-1.
23. **Zahnd W**, Smith T, Ryherd S, Cleer M, Rogers V, Steward D. Implementing a nutrition and physical activity curriculum in Head Start through an academic-community partnership. *Journal of School Health*. 2017 Jun;87(6):465-473. doi: 10.1111/josh.12515.
22. Javadi P, Sharma A, **Zahnd WE**, Jenkins WD. Evolving disparities in the epidemiology of oral cavity and oropharyngeal cancers. *Cancer Causes & Control*. 2017; 28(6):635-645. doi: 10.1007/s10552-017-0889-8
21. **Zahnd WE**, Mueller-Luckey GS, Ratnapradipa K, Smith T. Predictors and Spatial Variation of Radon Testing in Illinois, 2005-2012. *Journal of Public Health Management and Practice*. 2018 Mar/Apr;24(2):e1-e9. doi: 10.1097/PHH.0000000000000534.
20. Molina YM, Zimmermann K, Carnahan LR, Paulsey E, Bigman-Gilmore C, Khare MM, **Zahnd W**, Jenkins W. Rural women's perceptions about cancer disparities and contributing factors: A call to communication. *Journal of Cancer Education*. 2017 Feb 27. doi: 10.1007/s13187-017-1196-5. [Epub ahead of print].
19. **Zahnd WE**, Jenkins WD, Mueller-Luckey GS. Cancer Mortality in the Mississippi Delta Region: Descriptive Epidemiology and Needed Future Research and Interventions. *Journal of Health Care for the Poor and Underserved*. 2017; 28(1): 315-328. DOI: 10.1353/hpu.2017.0025.
18. **Zahnd WE**, Mueller GS, Fogleman AJ, Jenkins WD. Intrastate variations in rural cancer risk and incidence: an Illinois case study. *Journal of Public Health Management and Practice*. 2016 Sep-Oct;22(5):472-8. doi: 10.1097/PHH.0000000000000310.
17. Clemons J*, **Zahnd W**, Nutt M*, Sadowski D*, Dynda D, Alanee S. Impact of urologist density and county rurality on the practice of retroperitoneal lymph node dissection and cancer specific death in patients with non seminomatous germ cell tumors. *Journal of Adolescent and Young Adult Oncology*. 2017;6(1):83-90. doi: 10.1089/jayao.2016.0028.
16. Jenkins WD, **Zahnd WE**, Spenner A, Wiley C, Roles R, Potini Y*, Jones L. Comparison of cancer-specific and general health literacy assessments in an educated population: correlations and modifying factors. *Journal of Cancer Education*. 2016 Jun;31(2):268-71. doi: 10.1007/s13187-015-0816-1.
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13. **Zahnd WE**, Rogers V, Smith T, Ryherd SJ, Botchway A, Steward DE. Gender-specific relationships between socioeconomic disadvantage and obesity in elementary school students. *Preventive Medicine*. 2015; 81:138-141. doi: 10.1016/j.ypmed.2015.08.021.
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7. Francis ML, Scaife SL, **Zahnd WE**. Rural-urban differences in surgical procedures for Medicare beneficiaries. *Archives of Surgery*. 2011; 146 (5): 579-583. doi: 10.1001/archsurg.2010.306.
6. Francis ML, Varghese JJ*, Matthew JM*, Koneru S, Scaife SL, **Zahnd WE**. Outcomes in patients with rheumatoid arthritis and myocardial infarction. *American Journal of Medicine*. 2010; 123 (10):922-928.
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1. **Zahnd WE**, Scaife SL, Francis ML. Health literacy skills in rural and urban populations. *American Journal of Health Behavior*. 2009; 33 (5): 550-557.

Editorially-Reviewed Commentaries and Letters to the Editor

(Numbered in chronological order; listed in reverse chronological order)

4. **Zahnd WE**. The COVID-19 Pandemic Illuminates Persistent and Emerging Disparities among Rural Black Populations. *Journal of Rural Health*. <https://doi.org/10.1111/jrh.12460>
3. **Zahnd WE**. Appropriate Considerations of “Rural” in National Cancer Data Base Analyses. *Cancer*. 2019 Dec 10. doi: 10.1002/ncr.32651.
2. Odahowski CL*, **Zahnd WE**, Eberth JM. Challenges for Lung Cancer Screening in Rural America. *Journal of the American College of Radiology*. 2019; 16(4):590-595.

1. **Zahnd WE**. Consideration of Geographic Context in Breast Cancer in African American Women. *Cancer*. 2016 Jul 1;122(13):2117-8. doi: 10.1002/cncr.30032.

Manuscripts under Review

Jahan S*, **Zahnd WE**, Wooten N, Seay KM. Disparities in Access to Opioid Treatment Programs in the United States. Under review.

Shalowitz D, Hung P, **Zahnd WE**, Eberth JM. Geographic Access to Hospital-Based Telehealth for Cancer Care. Under Review.

Benavidez G*, Hung P, **Zahnd WE**, Eberth JM. Examining the burden of chronic disease in the United States: community context matters. Under Review.

Eberth JM, Calef C, **Zahnd WE**, Workman L, Crouch EL. Challenges and lessons learned implementing evidence-based interventions to increase colorectal cancer screening in Rural Health Clinics during the COVID-19 pandemic. Under Review.

Zahnd WE, Silverman AF*, Self S, Hung P, Natafji N, Adams SA, Merrell MA, Owens OL, Crouch EL, Eberth JM. The COVID-19 Pandemic Impact on Independent and Provider-Based Rural Health Clinics' Operations and Cancer Prevention and Screening Provision. Under Review.

Hirschey R, Rohweder C, **Zahnd WE**, Eberth JM, Adsul P, Guan Y, Haines H, Farris PE, Bea JW, Dwyer A, Madhivanan P, Ranganathan R, Seaman AT, Vu T, Wickersham K, Vu M, Teal R, Giannone K, Hilton A, Cole A, Islam J, Askelson N. Prioritizing Rural Populations in State Comprehensive Cancer Control Plans: A Qualitative Assessment. Under Review.

Semprini J*, Biddell CB*, Eberth JM, Charlton ME, Nash SH, Yeager K, Evans D, Madhivanan P, Brandt HM, Askelson NM, Seaman AT, **Zahnd WE**. Measuring and Addressing Health Equity: An Assessment of Cancer Center Designation Requirements. Under Review.

Bilenduke E, Anderson S, Brenner A, Currier J, Eberth JM, King J, Land SR, Risendal B, Shannon J, Siegel LN, Wangen M, Waters AR, **Zahnd WE**, Studts JL. Equitable Implementation of Lung Cancer Screening: Avoiding its Potential to Mirror Existing Inequities Among People Who Use Tobacco. Under Review.

Wahlen MM*, Lizarraga IM, Kahl AR, **Zahnd WE**, Eberth JM, Overholser L, Askelson N, Hirschey R, Yeager K, Nash S, Engelbart JM, Charlton ME. Effect of Rurality and Travel Distance on Contralateral Prophylactic Mastectomy for Unilateral Breast Cancer. Under Review.

Non-Refereed Publications, Reports, Policy Briefs, Professional Organization Commentaries, and Lay Articles

(Numbered in chronological order; listed in reverse chronological order)

20. **Zahnd WE**. The negative effect of differential privacy and synthetic data from the U.S. Census Bureau on rural health and communities.
https://www.ruralhealth.us/NRHA/media/Emerge_NRHA/Advocacy/Policy%20documents/2022-NRHA-Rural-Census-Data-and-Privacy-Policy-Brief-Final-Updated.pdf [policy brief]

19. **Zahnd WE**, Silverman AF*, Self S, Hung P, Natafji N, Adams SA, Owens OS, Crouch E, Eberth JM. The Involvement of Rural Health Clinic Practitioners in Cancer Treatment Decisions and Survivorship Care.

https://www.sc.edu/study/colleges_schools/public_health/research/research_centers/sc_rural_health_research_center/documents/rhcsurvivorshpsurveybrieffinal.pdf [policy brief]

18. Natafji N, Hung P, **Zahnd WE**, Merrell MA, Benavidez GA*, Oyesode O*, Yell N*, Babalola O, Crouch E, Probst JC, Eberth JM. Availability Of Hospital-Based Emergency Department and Trauma Services in Minoritized Racial/Ethnic Group Areas. https://www.sc.edu/study/colleges_schools/public_health/research/research_centers/sc_rural_health_research_center/documents/emergencydeptbrief2022.pdf [policy brief]

17. **Zahnd WE**, Benavidez G*, Oyesode O, Yell N*, Crouch E, Eberth JM, Hung P, Probst JC. Availability of Pharmacies in Minoritized Racial/Ethnic Areas. https://www.sc.edu/study/colleges_schools/public_health/research/research_centers/sc_rural_health_research_center/documents/mrgrxbriefforhp81922.pdf [policy brief]

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15. **Zahnd WE**. Wiping Away the Tears: Addressing Increasing Death in Rural America. *Rural Monitor*. 2022 July 13. <https://www.ruralhealthinfo.org/rural-monitor/rural-mortality/> [article]

14. Crouch E, Davis R, Eberth JM, Huang Q, McNatt MK, Oyesode O, Perryman C, Planey AM, Probst JC, Sercy E, Torres M, Toussaint EA, **Zahnd W**. Rural Border Health Chartbook. https://www.ruralhealth.us/NRHA/media/Emerge_NRHA/PDFs/2021-Rural-Border-Health-Chartbook-compressed.pdf [chartbook]

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12. Coates A, **Zahnd W**, Burgin C. Toward a Sustainable and Diversified Rural Health Workforce. National Rural Health Association Policy Brief. https://www.ruralhealth.us/NRHA/media/Emerge_NRHA/Advocacy/Policy%20documents/NRHA-Toward-a-Sustainable-Rural-Health-Workforce-Policy-Brief-2022.pdf [policy brief]

11. Huling S, Crouch E, **Zahnd W**. The Impact of Aging Baby Boomers in Rural America. National Rural Health Association Policy Brief. https://www.ruralhealth.us/getmedia/db4d6e2f-d76f-4e44-ad59-c2427d628bc6/NRHA-Policy-Brief-The-Impact-of-Aging-Baby-Boomers-in-Rural-America_1.aspx [policy brief]

10. Charlton M and Zahnd W. Federal Agencies' Investment in Rural Cancer Control Fosters Partnerships between Researchers and Rural Communities. *Rural Monitor*. 2021 July 28. <https://www.ruralhealthinfo.org/rural-monitor/rural-cancer-control/> [article]

9. **Zahnd W**, Kirksey V, Adams S, Brandt H, Ranganathan R, Biesecker C, Eberth J. to colorectal cancer screening programs for underserved populations in South Carolina. 2020. Rural and Minority Health Research Center Key Facts Sheet https://www.sc.edu/study/colleges_schools/public_health/research/research_centers/sc_rural_health_research_center/documents/aim22crcbksrevised.pdf

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4. **Zahnd WE**. Leveraging Cancer Registry Data to Study Breast Cancer Disparities in the Lower Mississippi Delta Region. 2018 September 13. *NAACCR Review*. <https://www.naacr.org/leveraging-cancer-registry-data-to-study-breast-cancer-disparities-in-the-lower-mississippi-delta-region/> [commentary]
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2. **Zahnd WE**, Mueller GS, Garner K, Jenkins WD, Steward DE. Cancer in Rural Illinois, 1990-2010: Incidence, Mortality, Staging, and Access to Care. Springfield, IL: Center for Clinical Research, Southern Illinois University School of Medicine; April 2014. Available at http://www.siumed.edu/sites/default/files/u1221/cancer_in_the_rural_illinois_final.pdf [report]
1. Jenkins WD, Kovach R, **Zahnd WE**. STD cases still high, with Gonorrhea showing increasing antibiotic resistance. *Emergency Medicine News*. 2011. 33(9) [non-referred publication]

Published Abstracts

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27. Ranganathan R*, **Zahnd WE**. Disparities in 5-year relative survival for early onset colorectal cancer. *Annals of Epidemiology*. 2022; 67; 111. <https://doi.org/10.1016/j.annepidem.2021.08.005>.
26. Lawson AB, Hughes-Halbert C, Babatunde OA, **Zahnd WE**, Eberth JM. Area-level social deprivation and stage at diagnosis among breast cancer patients in South Carolina. *Cancer Epidemiology Biomarkers and Prevention*. 2020; 29 (12 Supplement): PO-167-PO-167.
25. Ranganathan R*, **Zahnd W**, Adams SA. Disproportionate burden of cervical cancer survival by race and rurality in South Carolina, 2001-2016. *Cancer Epidemiology Biomarkers and Prevention*. 2020; 29 (12 Supplement): PO-086-PO-086.
24. Ranganathan R*, **Zahnd W**, Adams SA. Rural urban and racial disparities in colorectal cancer survival among the residents of South Carolina, 2001 – 2016. *Cancer Epidemiology Biomarkers and Prevention*. 2020; 29(12 Supplement): PO-122-PO-122.

23. Benavidez GA*, Zgodic A*, **Zahnd WE**, Eberth JM. Disparities in Women Being Up to Date With Breast, Cervical, and Colorectal Cancer Screening: An Analysis of 2018 BRFSS Data. *Annals of Epidemiology*. <https://doi.org/10.1016/j.annepidem.2020.08.048>
22. Ranganathan R*, Adams SA, **Zahnd WE**, Hung P, Brown MJ, Eberth JM. Rural and Racial Disparities in Colorectal Cancer Incidence and Mortality in South Carolina, 1996 – 2016. *Annals of Epidemiology*. <https://doi.org/10.1016/j.annepidem.2020.08.047>
21. Petermann VM*, Vanderpool RC, Eberth JM, Rohweder C, Teal R, Stradtman L, Frost E, Trapl E, Koopman Gonzalez S, Vu T, Ko L, Cole A, Farris PE, Shannon J, **Zahnd WE**, Lee J. Assessing Cancer Programs' Financial Resources for Rural Cancer Patients. *Journal of Clinical Oncology*. 2019; 37 (27_suppl): 165-165. DOI: 10.1200/JCO.2019.37.27_suppl.165.
20. Day J*, Prakash V, **Zahnd W**, Mahmood M*, Poola VP, Raknic J, Ganai S. Analysis of County-level Access to Specialized Providers on Colorectal Cancer Incidence and Mortality in Illinois. *Gastroenterology*. 2019; 156 (6):S1434-1435.
19. Taylor S*, Khan AA*, **Zahnd W**, Ganai S. Gastrointestinal Cancer Incidence and Trends in United States Rural and Urban Populations. *Gastroenterology*. 2019; 156 (6):S1382.
18. Babatunde O*, Adams SA, Eberth JM, **Zahnd WE**, Felder TM, Moran R, Hebert JR. A Comparison of Mortality-to-Incidence Ratio with Survival Analyses in Assessing Racial Breast Cancer Disparities Across South Carolina Counties. *Cancer Epidemiology Biomarkers and Prevention*. 2019; 28(3):620.
17. **Zahnd WE**, McLafferty S, Sherman R, Farner S, Klonoff-Cohen H, Rosenblatt K. Spatial accessibility to mammography services in the Lower Mississippi Delta states. *Cancer Epidemiology Biomarkers and Prevention*. 2018; 27 (7 Suppl):C87.
16. Mahmood M*, **Zahnd WE**, Ganai S. Spatial analysis of radiation oncology access disparities within Illinois: Implications for rural cancer care. *Journal of Clinical Oncology*. 2018; 36: e18644.
15. **Zahnd WE**, Rodriguez C, Jenkins WD. Rural-Urban Differences in Human Papillomavirus-Associated Cancer Trends and Rates. *Annals of Epidemiology*. 2017; 8:508-509.
14. MacKinney E*, **Zahnd W**, Sturm E*, Mellinger JD, Ganai S. An Exploration of Regional and Rural-Urban Differences in Pancreas Cancer Surgery. *Gastroenterology*. 2017; 152(5):S1273-S1274.
13. Sturm E*, **Zahnd W**, MacKinney E*, Mellinger JD, Ganai S. Rural-Urban and Regional Differences in Receipt of Esophagectomy for Early-Stage Esophagus Cancer. *Gastroenterology*. 2017; 152(5):S1216.
12. Strum EC*, **Zahnd W**, Mellinger JD, Ganai S. National Trends in Local Excision and Esophagectomy for cT1N0 esophageal cancer. *Journal of Clinical Oncology*. 2017; 34 (4 Suppl): 62.
11. **Zahnd W**, McQueen A, Lobb R, Diaz-Sylvester P, Brard L. Rural-urban and access to care differences in cervical cancer stage at diagnosis. *Cancer Epidemiology Biomarkers and Prevention*. 2017; 26 (2 Suppl): C45.
10. Canopy E*, **Zahnd W**, Breslin TM, Rea DJ, Mellinger JD, Ganai S. National Trends of the Impact of Rurality on Breast Cancer Surgery. *Annals of Surgical Oncology*. 2016; 23: S58-S59.

9. Regan J*, **Zahnd W**, Kistner B*, Ali A, Mellinger JD, Ganai S. Rural Disparities in Esophageal Cancer Outcomes Based on Distance From Endoscopic Ultrasound (EUS)-Trained Gastroenterologists. *Gastroenterology*. 148(4): S-1157.
8. Sadowski D*, Frye T*, Alanee S, **Zahnd W**, Jenkins W, Dynda D, Mueller G, McVary K. Impact of County Rurality and Urologist Density on Urologic Cancer Mortality in Illinois. *The Journal of Urology*. 2015; 193 (4): e104.
7. Kistner B*, **Zahnd W**, Ali A, Mellinger JD, Ganai S. Exploration of rural disparities in pancreatic cancer staging and mortality to incidence ratio in Illinois. *Annals of Surgical Oncology*. 2015; 22(S1): S159.
6. Kistner B*, **Zahnd W**, Ali A, Mellinger JD, Ganai S. Exploration of rural disparities in pancreatic cancer staging and mortality to incidence ratio in Illinois. *Journal of Clinical Oncology*. 2015; 33 (3)Suppl: 260.
5. Mueller G, **Zahnd W**, Garner K, Heitkamp R, Jenkins W, Boehler M, Land D, Steward D. The "Mini-Report": Use of CBPR to create a practical tool to address lung cancer disparities in rural communities. *Cancer Epidemiology Biomarkers and Prevention*. 2014; 23(11)Suppl: A40.
4. **Zahnd W**, Steward D, Jenkins W, Andoh J, Mueller G, Puczynski S. Barriers to completion of a free colorectal cancer screening program in a low-income population. *Cancer Epidemiology Biomarkers and Prevention*. 2014; 23 (11)Suppl: B95.
3. Rethnam R, Henke JQ, Hopkins-Price P, Scaife S, **Zahnd WE**, Francis ML. Survival Benefit with pulmonary artery catheter placement in patients with combined sepsis and congestive heart failure compared to patients with only sepsis or congestive heart failure. *Critical Care Medicine*. 2008; 36 (12):A160.
2. Varghese JJ*, Koneru S, Scaife SL, **Zahnd W**, Rumman S, Francis ML. Clinical implications of the choice of therapy for patients with rheumatoid arthritis and lupus after acute myocardial infarction. *Journal of the American College of Cardiology*. 2008; 51 (10): B62.
1. Varghese JJ*, Koneru S, Scaife SL, **Zahnd W**, Francis ML. Improved in-hospital mortality of rheumatoid arthritis patients undergoing coronary revascularization procedures: Rheumatoid arthritis paradox. *Journal of the American College of Cardiology*. 2008; 51 (10): A260.

RESEARCH SUPPORT

Current or Secured

Rural Health Research Grant Program Cooperative Agreement

Project: Clinical-Community Linkages in Non-Metropolitan and Metropolitan Hospitals: COVID-19 Impacts and Trends

Source: Federal Office of Rural Health Policy

Period: 09/2022-08/2023

Role: PI of project (15% FTE) PI of Grant: Keith Mueller

Rural Health Research Grant Program Cooperative Agreement

Project: Availability of Diabetes Self-Management Education in High Need Rural Counties

Source: Federal Office of Rural Health Policy

Period: 09/2022-08/2023

Role: co-I of project/PI of subcontract (5% FTE) PI of Project: Jan Probst

Telehealth Focused Rural Health Research Center Program Cooperative Agreement

Project: Identifying EB THNP Data Elements for Direct-to-Consumer Telehealth Networks

Source: Office for the Advancement of Telehealth

Period: 09/2021-08/2023
Role: Co-Investigator of Project (PI of Grant/Project: Marcia Ward)

The effect of rurality and the COVID-19 pandemic on telemedicine and preventive healthcare use
Source: Agency for Healthcare Research and Quality (K01)
Period: 08/2022-07/2027 (In Kind)
Role: co-mentor (PI: Annie Larson)

Evaluating the Impact of Medicaid Dental Coverage on Early-Stage Oral Cancer Detection
Source: National Institute of Dental and Craniofacial Research (F31)
Period: 07/2022-06/2024 (In Kind)
Role: co-mentor (PI: Jason Semprini)

Rural Health Information Hub Supplement
Source: University of North Dakota Subcontract
Period: 06/2021-05/2023
Role: Co-Investigator (PI: Jocelyn Richgels)

Structural, Process, and Area-Level Characteristics Associated with Cancer Prevention and Screening Quality Metrics in Rural Federally Qualified Health Centers
Source: University of Iowa College of Public Health New Faculty Research Award
Period: 01/2022-12/2022
Role: Principal Investigator (In Kind)
Total Costs: \$10,000

Understanding Racial/Ethnic Inequities in Treatment among Iowa Colorectal Cancer Patients
Source: Holden Comprehensive Cancer Center Cancer Epidemiology and Population Science Pilot Project Award
Period: 01/2022-12/2022
Role: Principal Investigator (In Kind)
Total Costs: \$25,000

Geographic Health Equity Alliance Subcontract
Source: Geographic Health Equity Alliance/Centers for Disease Control and Prevention
Period: 3/2022-12/2022
Role: Principal Investigator (10% FTE)
Total Costs: \$20,000

Cancer Prevention and Control Research Network (Iowa Collaborating Center)
Source: Centers for Disease Control and Prevention (SIP 19-005)
Period: 09/2021-09/2024
Role: Co-Investigator (5% FTE) (PI: Natoshia Askelson)

Pending

Examining the Relationship between Care Coordination, Primary Care Setting, and Survival among Rural Cancer Survivors
Source: National Institutes of Minority Health and Health Disparities R21
Period: 07/2023-6/2025
Role: PI (15% FTE)
Total Costs: \$414,923

Community-Identified Solutions for Addressing Cancer Inequities in Black Hawk County
Source: Holden Comprehensive Cancer Center Cancer Epidemiology and Population Science Pilot
Project Award
Period: 12/2022-11/2023
Role: co-PI (In Kind)
Total Costs: \$25,000

Instrument development, testing and refinement for exercise needs in lowan cancer survivors
Source: Holden Comprehensive Cancer Center Cancer Epidemiology and Population Science Pilot
Project Award
Period: 12/2022-11/2023
Role: co-I (In Kind)(PI: Jess Gorzelitz)
Total Costs: \$25,000

Completed

Advancing Cancer and Rural Equity in Iowa and Beyond
Source: Iowa Center for Research Involving Undergraduates Summer Fellowship
Period: Summer 2022 (In Kind)
Role: Mentor (Student: Meghana Yellepeddi)

Rural Health Research Grant Program Cooperative Agreement
Project: Rural and Racial/Ethnic Disparities in COVID-19 Mortality Rates and Associations with
Community Characteristics
Source: Federal Office of Rural Health Policy
Period: 09/2021-08/2022
Role: PI of Project (15% FTE) (PI of Grant: Keith Mueller)

Rural Health Research Grant Program Cooperative Agreement
Project: Rural-Urban Differences in Three Domains of Access to Health Care Services
Source: Federal Office of Rural Health Policy
Period: 09/2021-08/2022
Role: co-PI of Project/PI of Subcontract (20% FTE) (PI of Grant: Jan Eberth)

An Investigation of Racial and Geospatial Disparities in the Utilization, Adherence, and Economic Cost to Targeted
Therapies for Breast Cancer
Source: University of South Carolina Big Data Health Science Center Pilot Program
Period: 08/2020-6/2022
Role: Co-Investigator (PI: Swann Adams)
Total Costs: \$47,500

A Spatial Approach to Evaluating Potential and Realized Access to Broadband Services--A "Super-Determinant of
Health"
Source: University of South Carolina Big Data Health Science Center Pilot Program
Period: 08/2020-12/2021
Role: Principal Investigator
Total Costs: \$32,631

Rural Health Research Grant Program Cooperative Agreement
Project 1: Assessing cancer care coordination in Rural Health Clinics during a pandemic
Project 2: Availability of Physical Health Infrastructure in Areas with a High Proportion of Historically Disadvantaged
Minority Residents

Source: Federal Office of Rural Health Policy/National Cancer Institute
Period: 09/2020-08/2021
Role: Co-Principal Investigator (Project 1); Co-Investigator (Project 2) (PI: Jan Eberth)
Sub-contract PI (04/2021-08/2021-\$20,000)
Total Costs; \$700,000

Rural Health Information Hub Supplement

Source: University of North Dakota Subcontract
Period: 03/2021-05/2021 (Funded: 4/2021-5/2021-30% FTE)
Role: Co-Investigator (PI: Mary Charlton)

Big Data Health Science Center Geospatial Core

Source: USC Office of the Vice President of Research/Provost Office (Excellence Initiative Project)
Period: 05/2020-08/2021
Role: Geospatial Core Co-Director (PI: Xiaoming Li)

Planning for Implementation of Evidence-Based Cancer Screening Practices in Rural Health Clinics

Source: South Carolina Center for Rural and Primary Care Rural Innovations Cooperative Agreement Program
Period: 09/2019-08/2021
Role: Co-Investigator (PI: Jan Eberth)
Total Costs: \$198,000

Racial/Ethnic, Geographic, and Socioeconomic Disparities in Molecular Testing among Breast Cancer Patients

Source: American Cancer Society Institutional Research Grant
Period: 06/2020-05/2021
Role: Principal Investigator
Total Costs: \$20,000

Rural Health Research Grant Program Cooperative Agreement

Project 1: Rural-Urban Cancer Disparities and Cancer Prevention and Control Activities in Rural Healthcare Settings
Project 2: Development and Pilot Testing of Cancer Prevention and Control Interventions in Rural Health Clinics
Source: Federal Office of Rural Health Policy Rural Health Research Grant Program Cooperative Agreement
Period: 09/2019-08/2020
Role: Co-Investigator (Both Projects) (PI: Jan Eberth)
Total Costs: \$545,370

Rural Health Research Grant Program Cooperative Agreement

Project: Rural Colon and Cervical Cancer (RCCC) Environmental Scan
Source: Federal Office of Rural Health Policy
Period: 09/2018-08/2019
Role: Post-Doctoral Researcher (PI: Jan Eberth)

Ending Transmission of HIV, HCV, and STDs and Overdose in Rural Communities of People who Inject Drugs (ETHIC)

Source: National Institute of Health (1UG3DA044829-01)
Period: 08/2017-07/2018
Role: Co-Investigator (co-PIs: Wiley Jenkins, Mai Pho)

Spatial Analysis of Radon Testing and Mitigation in Illinois: A Public Health Perspective

Source: Environmental Protection Agency State Indoor Radon Grant

Period: 07/2015-09/2018

Role: Co-Investigator (PI: Tracey Smith)

Spatial Analysis of Rural Disparities in Staging and Oncologic Outcomes for Esophageal and Pancreas Cancer

Source: Society for Surgery of the Alimentary Tract Health Disparities Award

Period: 07/2015-06/2017

Role: Data Manager and Analyst (PI: Sabha Ganai)

Illinois Comprehensive Cancer Control Plan 2016

Source: Illinois Department of Public Health

Period: 02/2016-12/2016

Role: Program Manager (PI: Wiley Jenkins)

Community Health Needs Assessment Secondary Data Reports for 5 Hospital Sisters Health System (HS) Hospitals

Source: Hospital Sisters Health System

Period: 09/2014-06/2015

Role: Project Manager (PI: David Steward)

Geospatial Analysis of Potential Environmental Causes of Cancer in Illinois

Source: Caryl Towsley Moy, PhD, Endowed Fund for Collaborative Research

Period: 02/2014-01/2015

Role: Data Manager and Analyst (PI: Wiley Jenkins)

Proposal to characterize cancer patient and family member health literacy and identify communication modifications and complementary strategies

Source: Memorial Medical Center Foundation

Period: 02/2013-01/2014

Role: Data Manager (PI: Wiley Jenkins)

Central Illinois Colorectal Cancer Screening Research Initiative

Source: American Cancer Society, Illinois Division

Period: 08/2012-07/2014

Role: Data Manager (PI: David Steward)

Collaboration to Reduce Lung Cancer Disparities in the Southern Illinois Delta Region

Source: American Cancer Society, Illinois Division

Period: 07/2012-06/2014

Role: Project Manager (PI: David Steward)

Community Engagement and Medical Student Education for Child Health Promotion

Source: Portes Foundation

Period: 07/2012-06/2013

Role: Data Manager (PI: Harald Lausen)

Effectiveness of Screening ED Patients for Genital and Oropharyngeal Chlamydial and Gonorrheal Infections

Source: Memorial Medical Center Foundation

Period: 02/2012-01/2013

Role: Data Manager (PI: Wiley Jenkins)

Adams County Children's Mental Health Partnership
Source: Illinois Children's Healthcare Foundation
Period: 09/2011-5/2014
Role: Data Manager (PI: David Steward)

Springfield Collaborative for Active Child Health
Source: Blue Cross Blue Shield of Illinois Healthy Kids, Healthy Families Grant
Period: 07/2011-06/2015
Role: Data Manager and Analyst (PI: David Steward)

Feminine Hygiene Practices, Bacterial Vaginosis, and Sexually Transmitted Infections in US Women
Source: Arnold O. Beckman Award
Period: 05/2006-05/2007
Role: Graduate Research Assistant (PI: Caitlin Sionean)

CONFERENCES AND SYMPOSIA

Refereed Conference Abstract Presentations

(Numbered in chronological order; listed in reverse chronological order)

*Indicates student or medical resident presenter

119. Dunlap C*, Zgodic A*, Benavidez G*, Hung P, **Zahnd WE**, Eberth JM. Construction of a Cancer Burden Score for US Counties. American College of Epidemiology Annual Meeting. 2022 September 8-11. Scottsdale, AZ. [poster].

119. **Zahnd WE**, Gadag K*, Yellepeddi M*. Grantee-Level Characteristics Associated with Cancer Quality Metrics in Rural FQHCs. Addressing Policy and Structural Barriers to Improve Rural Cancer Health Conference. 2022 August 11-12. St. Louis, MO. [poster]

118. Babatunde OA, **Zahnd WE**, Boakye EA, Jefferson MS, Osazuwa-Peters N, Hughes Halbert C, Adams SA. Statewide variability in predictors of survival among geographically and racially diverse breast cancer cohorts. 15th American Association for Cancer Research Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2022 September 16-19. Philadelphia, PA. [abstract accepted]

117. Munoz S, Bain S, **Zahnd W**. Living Rurally with Long-Term Conditions Through COVID-19. National Rural Health Association Annual Meeting. 2022 May 10-13. Albuquerque, NM. [panel].

116. **Zahnd W**, Silverman A, * Self S, Hung P, Natafji N, Merrell M, Owens O, Crouch E, Eberth J. Cancer Prevention Activities in RHCs: Impacts of COVID-19. National Rural Health Association Annual Meeting. 2022 May 10-13. Albuquerque, NM. [oral presentation].

115. **Zahnd W**, Gadag K*, Ullrich F, Mueller K. Rural COVID-19 Mortality Disparities, December 2020-January 2021. National Rural Health Association Annual Meeting. 2022 May 10-13. Albuquerque, NM. [oral presentation].

114. Larson A, **Zahnd W**, Davis M, Yoon J, Stange K. Rural and Urban Telemedicine Use Among Community Health Center Patients. AcademyHealth Annual Research Meeting. 2022 June 4-6. Washington D.C. [oral presentation]

113. Marshall C*, **Zahnd W**, Eberth J, Silverman*. COVID-19's Impact on Telehealth Usage in Rural Health Clinics across the United States. American Medical Association Research Challenge.

112. Jehan S*, **Zahnd W**, Wooten N. Disparities in Access to Buprenorphine Providers in the United States. Society for Social Work and Research 26th Annual Conference. 2022 January 12-16. [oral presentation].

111. Ranganathan R*, **Zahnd WE**. Disparities in 5-Year Relative Survival for Early-Onset Colorectal Cancer. American College of Epidemiology 2021 Annual Meeting. 2021 September 8-10. [poster]
110. Brandt HM, **Zahnd WE**, Messersmith AR, Hastings TJ, Harrison SE, Cartmell KB. Exploring the role of community pharmacies in increasing uptake of HPV vaccination in South Carolina. American Public Health Association 2021 Annual Meeting and Expo. 2021 October 24-27. [poster].
109. Jehan S*, **Zahnd W**, Wooten N. Disparities in access to opioid treatment program (OTPs) across local United States communities. American Public Health Association 2021 Annual Meeting and Expo. 2021 October 24-27. [abstract accepted].
108. Hung P, Probst JC, **Zahnd W**, Zgodic A, Merrell MA, Crouch E, Eberth J. Trends in Cancer Treatment Service Availability across Critical Access Hospitals and Prospective Payment System Hospitals. Academy Health Annual Research Meeting. 14 June 2021. [virtual presentation]
107. Ranganathan R*, Adams SA, Babatunde OA, **Zahnd WE**. Multilevel Factors Associated With Molecular Testing For Female Breast Cancer Patients. 3rd NCI Symposium on Cancer Health Disparities (Virtual). 2021 May 25-27. [online abstract].
106. **Zahnd W**, Larson A, Bell N. Rural-Urban and Sociodemographic Disparities in Broadband Access. National Rural Health Association Annual Conference. 2021 May 5-7. [virtual oral presentation].
105. **Zahnd W**, Eberth J, Evans D. Addressing Rural Disparities in Comprehensive Cancer Control Plans. National Rural Health Association Health Equity Conference. 2021 May 4. [virtual plenary session].
104. **Zahnd W**, Hung P, Eberth J. Cancer Care Delivery in Rural Safety Net Settings. National Rural Health Association Annual Conference. 2021 May 5-7. [virtual panel session].
103. Murphy C*, **Zahnd W**, Eberth J. Analysis of Statewide Comprehensive Control Plans in Addressing the Disproportionate Rural Cancer Burden. Discover UofSC 2021 Conference. 2021 April 23.
102. Ranganathan R*, Babatunde OA, Adams SA, **Zahnd WE**. Disparities in Molecular Testing among Female Breast Cancer Patients. Discover UofSC 2021 Conference. 2021 April 23.
101. Shi K, Hung P, **Zahnd W**, Zgodic A*, Merrell MA, Crouch E, Probst JC, Eberth JM. Changes in Spatial Distributions of Cancer Prevention and Treatment Services in Rural America: the Role of Hospital Closures. National Big Data Health Science Center Conference. 2021 February 5-6. [virtual poster]
100. Ranganathan R*, **Zahnd WE**, Harrison SE, Brandt HM, Adams SA, Eberth JM. Application of Spatial Methods to Examine Spatial Access to Vaccine for Children Providers in South Carolina. National Big Data Health Science Center Conference. 2021 February 5-6. [virtual poster]
99. Ranganathan R*, Babatunde O, Adams SA, **Zahnd WE**. Disparities In Molecular Testing Among Female Breast Cancer Patients. American Society of Preventive Oncology 45th Annual Meeting. 2021 March 29-April 1. [virtual abstract].
98. Babatunde O, **Zahnd W**, Eberth JM, Lawson AB, Hughes Halbert C. Area-Level Social Deprivation and Stage at Diagnosis among Breast Cancer Patients in South Carolina. 13th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2020 October 2-4 [virtual poster]

97. Ranganathan R*, **Zahnd W**, Adams S. Rural Urban and Racial Disparities in Colorectal Cancer Survival Among Residents Of South Carolina, 2001-2016. 13th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved.2020 October 2-4. [virtual poster]
96. Ranganathan R*, **Zahnd W**, Adams S. Disproportionate Burden Of Cervical Cancer Survival By Race And Rurality In South Carolina, 2001 – 2016. 13th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved.2020 October 2-4 [virtual poster]
95. Zgodic A*, **Zahnd W**, Studts J, Miller D, Eberth J. Adjustment of complex survey design weights for multilevel modeling: An application using optional BRFSS modules on lung cancer screening. American Public Health Association Annual Meeting and Expo.2020 October 24-28. [virtual oral presentation].
94. Ranganathan R*, Adams SA, **Zahnd WE**, Hung P, Brown M, Eberth JM. Disparities in Colorectal Cancer in South Carolina, 1996-2016. American College of Epidemiology 2020 Virtual Conference. 2020 September 21-23. [virtual poster]
93. Benavidez G*, Zgodic A*, **Zahnd W**, Eberth JM. Disparities in cancer screening among women in the United States. American College of Epidemiology 2020 Virtual Conference. 2020 September 21-23 [virtual poster].
92. Hung P, **Zahnd W**, Deng S*, Wang S, Eberth J. Disparities in Access to Cancer Care Facilities and Colorectal Cancer Care Outcomes in South Carolina. 2020 Academy Health Annual Research Meeting. [virtual poster]
91. Hung P, **Zahnd W**, Brandt H, Adams S, Wang S, Eberth J. Cervical Cancer Treatment Initiation and Survival: the Role of Residential Proximity to Cancer Care. 2020 Academy Health Annual Research Meeting. [virtual poster]
90. **Zahnd W**, Crouch E, Hung P, Eberth J. Rural Minority Disparities across the Life Span.2020 National Rural Health Association Health Equity Conference. Plenary session presented virtually due to COVID-19
89. Zgodic A*, Eberth JM, **Zahnd WE**, Adams SA, Hudson MF. Impact of Patient Metropolitan Status and Facility Region on Disparities in Needle Biopsy Receipt for Breast Cancer Diagnosis. 2020 National Rural Health Association Health Equity Conference. Poster presented virtually due to COVID-19
- 88.Zgodic A*, Benavidez GA*, **Zahnd WE**, Eberth JM. Factors Associated with Lung Cancer Screening in Urban vs. Rural Individuals at Risk for Lung Cancer. National Rural Health Association Health Equity Conference. Presentation presented virtually due to COVID-19.
87. Benavidez GA*, Zgodic A*, **Zahnd WE**, Eberth JM. Sociodemographic Factors Associated with Mammography in The United States. National Rural Health Association Annual Conference. [accepted poster]
86. Benavidez GA*, Zgodic* A, **Zahnd,WE**, Eberth JM. Disparities in Cervical Cancer Screening in The United States. 3rd Annual NCI Symposium on Cancer Health Disparities.16-17 April 2020. Bethesda, MD. [accepted oral presentation—conference postponed due to COVID-19]
85. **Zahnd WE**, Petermann V*, Teal R, Vu M, Vanderpool RC, Rohweder C, Askelson N, Edward JE, Farris PE, Koopman Gonzalez SJ, Ko LK, Eberth JM, Cancer Prevention and Control Research Network Rural Cancer Workgroup. Interventions to Address the Financial Burden of Cancer Care: Recommendations from the Field. American Society of Preventive Oncology 44th Annual Meeting. 22-24 March 2020. [poster-presented via Twitter as conference was virtual due to COVID-19].
84. **Zahnd WE**, Petermann V*, Teal R, Vu M, Vanderpool RC, Rohweder C, Farris PE, Askelson N, Stradtman L, Koopman Gonzalez SJ, Vu T, Eberth JM, Cancer Prevention and Control Research Network Rural Cancer

Workgroup. Financial Navigation Staff Perspectives on the Patients' Financial Burden of Cancer Care. American Society of Preventive Oncology 44th Annual Meeting. 22-24 March 2020. Tucson, AZ [online only abstract].

83. **Zahnd WE**, Gomez SL, Steck SE, Brown MJ, Ganai S, Zhang J, Adams SA, Berger F, Eberth JM. Joint Rural-Urban and Racial/Ethnic Disparities in Early-Onset Colorectal Cancer Incidence and Trends. 44th Annual American Society of Preventive Oncology conference. March 22-24, 2020. Tucson, AZ [online only abstract]

82. Benavidez G*, Zgodic A*, **Zahnd W**, Eberth JM. Demographics of Breast Cancer Screening in South Carolina. 13th Annual Carolina Women's Health Forum. 5 March 2020. Columbia, SC [poster].

81. **Zahnd WE**, Josey MJ, Schootman M, Eberth JM. Using Two-Step Floating Catchment Area Methods to Evaluate Spatial Accessibility to Colonoscopy and Their Ability to Predict Late-Stage Colorectal Cancer. 2020 Big Data Health Science Center Conference. 8-11 February 2020. Columbia, SC [poster].

80. Brown MJ, Patterson RC*, Haider MR, **Zahnd W**, Cohen SA. Social determinants of health matter: Association with cognition and disparities by sex and race/ethnicity in the Deep South. American Public Health Association Annual Meeting. 2-6 November 2019. Philadelphia, PA [poster]

79. Petermann VM*, Vanderpool RC, Eberth JM, Rohweder C, Teal R, Stradtman L, Frost E, Trapl E, Koopman Gonzalez S, Vu T, Ko L, Cole A, Farris PE, Shannon J, **Zahnd WE**, Lee J*. Assessing Cancer Programs' Financial Resources for Rural Cancer Patients. American Society of Clinical Oncology Quality Care Symposium. 6-7 September 2019. San Diego, CA. [poster]

78. Day J*, Prakesh V, **Zahnd W**, Mahmood M*, Poola VP, Rakinic J, Ganai S. Analysis of County-level Access to Specialized Providers on Colorectal Cancer Incidence and Mortality in Illinois. Digestive Disease Week. 19-21 May 2019. San Diego, CA. [poster]

77. Taylor S*, **Zahnd W**, Ganai S. Gastrointestinal Cancer Incidence and Trends in United States Rural And Urban Populations. Digestive Disease Week. 19-21 May 2019. San Diego, CA. [oral presentation]

76. Hung P, Deng S*, **Zahnd W**, Adams S, Olatosi B, Crouch E, Eberth J. Urban-rural disparities in access to colorectal and cervical cancer care specialists. National Rural Health Association Conference. 8-10 May 2019. Atlanta, GA. [poster]

75. Biesecker C*, **Zahnd W**, Adams S, Eberth JM. Mapping Cervical Cancer Access and Prevention in SC. National Rural Health Association Health Equity Conference. 7 May 2019. Atlanta, GA [poster]

74. Probst JC, Breneman C, **Zahnd W**. Rural-Urban Trends in Infant and Youth Mortality. 42nd Annual National Rural Health Association Conference. 8-10 May 2019. Atlanta, GA. [oral presentation]

73. **Zahnd W**, Davis M, Rotter JS*, Vanderpool RC, Perry CK, Shannon J, Ko LK, Wheeler SB, Odahowski CL*, Farris PE, Eberth JM. Financial Problems among Rural and Urban Cancer Survivors. 42nd Annual National Rural Health Association Conference. 8-10 May 2019. Atlanta, GA. [poster]

72. Probst JC, Hunt McKinney S, Outeen S, **Zahnd W**, Haynes E. Educational gaps a barrier to rural nursing practice. 42nd Annual National Rural Health Association Conference. 8-10 May 2019. Atlanta, GA. [poster]

71. Brandt H, Eberth J, **Zahnd W**. Cancer Prevention and Control Research in Rural Populations. 42nd Annual National Rural Health Association Conference. 8-10 May 2019. Atlanta, GA. [panel presentation]

70. Biesecker C*, **Zahnd WE**, Adams SA, Eberth JM. Mapping Cervical Cancer Access and Prevention in SC. Discover USC, 26 April 2019. Columbia, SC. [poster]

69. Lee J*, **Zahnd WE**, Eberth JM. Financial Toxicity Among Rural Cancer Patients in South Carolina. Discover USC, 26 April 2019. Columbia, SC. [poster]
68. Zgodic A*, **Zahnd WE**, Eberth JM. Evaluating disparities in lung cancer screening uptake using the Behavioral Risk Factor Surveillance System. Discover USC, 26 April 2019. Columbia, SC.[poster]
67. Biesecker C*, **Zahnd WE**, Adams SA, Eberth JM. Mapping Cervical Cancer Access and Prevention in SC. Clyburn Health Disparities Lecture, 23 April 2019. Columbia, SC. [poster]
66. Odahowski C*, **Zahnd W**, Davis M, Perry C, Vanderpool R. Financial Hardship among Rural Cancer Survivors in the U.S. 43rd Annual American Society of Preventive Oncology Conference. 10-12 March 2019.Tampa, FL. [poster]
65. Babatunde O*, Adams SA, Eberth JM, **Zahnd WE**, Felder TM, Moran R, Hebert JR. A comparison of Mortality-to-Incidence ratio with survival analyses in assessing racial breast cancer disparities across South Carolina Counties. 43rd Annual American Society of Preventive Oncology Conference. 10-12 March 2019.Tampa, FL. [oral presentation]
64. Eberth JM, Odahowski CL*, **Zahnd WE**. Geographic Disparities in Lung Cancer Screening in the U.S. 43rd Annual American Society of Preventive Oncology Conference. 10-12 March 2019.Tampa, FL. [poster]
63. Eberth JM, **Zahnd WE**, Josey MJ*, Schootman M, Probst JC. Temporal Trends in Spatial Access to Colonoscopy in South Carolina. 43rd Annual American Society of Preventive Oncology Conference. 10-12 March 2019.Tampa, FL. [online only abstract]
62. Deshpande M, **Zahnd W**, Bandy L*, Lorenson J*, Fifer A. Spatial analysis of disparities in asthma treatment among adult asthmatics. American Pharmacists Association Annual Meeting. 22-25 March 2019. Seattle, WA [poster]
61. Taylor S*, **Zahnd WE**, Ganai S. Rural-urban and racial/ethnic disparities in hepatocellular carcinoma incidence. 14th Annual Academic Surgical Congress. 5-7 February 2019. Houston, TX. [oral presentation]
60. Day J*, **Zahnd WE**, Poola P, Rakinic J, Ganai S. Spatial Accessibility to Colorectal Cancer Care in the State of Illinois. 14th Annual Academic Surgical Congress. 5-7 February 2019. Houston, TX. [oral presentation]
59. **Zahnd W**, Thomas A, Crawford C, Capizzi, Jenkins W, Pho M. Utilization of Spatial Methods to Address the Rural Opioid Syndemic in a multi-site study. 2018 Addiction Health Services Research Conference. 17-19 October 2018. Savannah, GA. [panel]
58. Ellis K*, McLuckie C*, Navon L, Walblay K, Rodriguez C, Jenkins WD, Pho MT, **Zahnd WE**. Mapping the availability of opioid-related resources provided by local health departments. Illinois Public Health Association 77th Annual Conference. 5-7 September 2018. Normal, IL. [poster]
57. Eberth JM, Crouch E, Josey MJ*, **Zahnd W**, Adams SA, Stiles B, Schootman M. Rural-urban differences in access to thoracic surgery in the United States, 2010-2014. Accelerating Rural Cancer Control Research Meeting. 30-31 May 2018. Bethesda, MD. [poster]
56. **Zahnd WE** and Eberth JM. A Conceptual Model for Multilevel Analysis in Rural Cancer Control. Accelerating Rural Cancer Control Research Meeting. 30-31 May 2018. Bethesda, MD. [poster]

55. Mahmood M*, **Zahnd WE**, Ganai S. Spatial analysis of radiation oncology access disparities within Illinois: implications for rural cancer care. 2018 American Society of Clinical Oncology Annual Meeting. 1-5 June 2018. Chicago, IL. [online only abstract]
54. Rossi M*, Buckley EJ*, **Zahnd W**, Ganai S. Rural-Urban Differences in Time to Radiation among Breast Conserving Surgery Patients. 19th Annual Meeting of the American Society of Breast Surgeons. 2018 May 2-6. Orlando, FL. [poster]
53. Rossi M*, Buckley EJ*, **Zahnd W**, Ganai S. Rural-Urban Differences in Time to Radiation among Breast Conserving Surgery Patients. Illinois Chapter of the American College of Surgeons. 2018 April 29. Chicago, IL. [oral]
52. Jenkins WD, Watson K, **Zahnd W**, Matthews A, Bailey A, Patera J. Examining the Role of Dissemination and Implementation Science to Improve Lung Cancer Screening in Rural Communities. American Public Health Association 2017 Annual Meeting and Expo. 2017 November 4. Atlanta, GA. [poster]
51. **Zahnd W**, McLafferty S, Sherman R, Farner S, Klonoff-Cohen H, Rosenblatt K. Spatial Accessibility to Mammography Services in the Lower Mississippi Delta States. Tenth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2017 September 25-28. Atlanta, GA. [poster]
50. **Zahnd WE**, Rodriguez C, Jenkins WD. Rural-urban differences in human papillomavirus-associated cancer: rates and trends. 2017 Annual Meeting of the American College of Epidemiology. 2017 September 24-28. New Orleans, LA. [poster]
49. Lawrence L*, **Zahnd W**, Sharma A, Javadi P. Laryngeal cancer trends and the Affordable Care Act. American Academy of Otolaryngology-Head and Neck Surgery Foundation Annual Meeting. 2017 September 10-13. Chicago, IL. [oral]
48. **Zahnd W**, James A, Jenkins W, Colditz G, Steward D, Brard L. Cancer Incidence and Trends in Rural and Urban Populations in the United States. North American Association of Central Cancer Registries Annual Conference. 2017 June 16-23. Albuquerque, NM. [oral]
47. **Zahnd W**, Mueller-Luckey G, Sarver J. Utilization of ACS and Other Federal Data to Address Health Disparities in a Federally Designated Region. 2017 American Community Survey Data Users Conference. 2017 May 11-12. Arlington, VA. [oral]
46. Sturm E*, **Zahnd WE**, MacKinney E*, Mellinger JD, Ganai S. Rural-Urban and Regional Differences in Receipt of Esophagectomy for Early-Stage Esophagus Cancer. Digestive Disease Week. 2017 May 6-9. Chicago, IL. [oral]
45. MacKinney E*, **Zahnd WE**, Sturm EC*, Mellinger JD, Ganai S. An Exploration of Regional and Rural-Urban Differences in Pancreas Cancer Surgery. Digestive Disease Week. 2017 May 6-9. Chicago, IL. [poster]
44. Jenkins WD, **Zahnd WE**, Fogleman AJ, Mueller-Luckey GS. Rural Measures and Cancer Disparities Studies: Elucidating Intra-Rural Differences and Future Avenues for Research. Rural Cancer Control: Challenges & Opportunities Research Meeting. 2017 May 4-5. Memphis, TN. [poster]
43. Brard L, Hyon KS*, Izadi SR, Diaz-Sylvester P, **Zahnd WE**, Colditz GA. Rural-Urban Variation in Surgical Treatment, Lymph Node Examination, and Adequate Lymphadenectomy for Endometrial Cancer Patients. Rural Cancer Control: Challenges & Opportunities Research Meeting. 2017 May 4-5. Memphis, TN. [poster]
42. Osiecki KM, Jenkins W, Mueller-Luckey G, **Zahnd W**, Crumly D, Fogleman A, Rodriguez C.

Rural Environmental and Health Disparity Measures: Are rural areas inaccurately portrayed and under represented by current indices? Population Association of America 2017 Annual Meeting. 2017 April 27-29. Chicago, IL. [poster]

41. Buckley EJ*, **Zahnd W**, Rea D, Mellinger JD, Ganai S. Impact of Time to Surgery on Rural-Urban Disparities in Breast Cancer. Society for Surgical Oncology Annual Cancer Symposium. 2017 March 15-17. Seattle, WA. [poster]

40. Buckley EJ*, **Zahnd W**, Rea D, Mellinger JD, Ganai S. Impact of Rural-Urban Status on Survival after Mastectomy without Reconstruction versus Mastectomy with Reconstruction. American Society of Breast Surgeons, 18th Annual Meeting. 2017 April 26-30. Las Vegas, NV.[poster]

39. Lanzotti NJ*, **Zahnd WE**, Tseng JF, Mellinger JD, Ganai S. Impact of Travel Distance on Survival from Early-Stage Breast and Pancreas Cancer. 12th Annual Academic Surgical Congress. 2017 February 7-9. Las Vegas, NV. [oral]

38. McDow A*, **Zahnd WE**, Angelos P, Lanzotti N*, Mellinger JD, Ganai S. Impact of Endocrinologist and Surgeon Density on Thyroid Cancer Survival. 12th Annual Academic Surgical Congress. 2017 February 7-9. Las Vegas, NV. [oral]

37. Sturm EC*, **Zahnd WE**, Mellinger JD, Ganai S. National Trends in Surgical Decision-Making for Early-Stage Esophageal Cancer. 12th Annual Academic Surgical Congress. 2017 February 7-9. Las Vegas, NV. [oral]

36. Sturm EC*, **Zahnd WE**, Mellinger JD, Ganai S. National Trends in Local Excision and Esophagectomy for cT1N0 Esophageal Cancer. 2017 Gastrointestinal Cancers Symposium. 2017 January 19-21. San Francisco, CA. [poster]

35. Javadi P, Sharma A, **Zahnd W**, Jenkins WD. Disparities in the epidemiology of oral cavity and pharyngeal cancers. American Public Health Association Annual Meeting and Exposition. 2016 October 29-November 2. Denver, CO. [poster]

34. **Zahnd W**, McQueen A, Lobb R, Diaz-Sylvester P, Brard L. Rural-Urban and Access to Care Differences in Cervical Cancer Stage at Diagnosis. Ninth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2016 September 25-28. Ft. Lauderdale, FL. [poster]

33. **Zahnd WE**, Mueller-Luckey GS, Ratnapradipa K, Smith T. Predictors and Spatial Hotspots of Licensed and Home Kit Radon Testing in Illinois, 2005-2012. 30th Annual International Radon Symposium. 2016 September 18-21. San Diego, CA. [oral]

32. Alanee S, Cheema A*, **Zahnd W**, Dynda D. The impact of insurance status on performance of retroperitoneal lymph node dissection and cancer specific death in patients with non seminomatous germ cell tumors. American Society for Clinical Oncology Annual Meeting. 2016 June 3-7. Chicago, IL. [poster]

31. Alanee S, Clemons J*, **Zahnd W**, Dynda D. Impact of urologist density and county rurality on the practice of retroperitoneal lymph node dissection and cancer specific death in patients with non seminomatous germ cell tumors. American Society for Clinical Oncology Annual Meeting. 2016 June 3-7. Chicago, IL. [poster]

30. Canopy E*, **Zahnd W**, Breslin TM, Rea DJ, Mellinger JD, Ganai S. National Trends of the Impact of Rurality on Breast Cancer Surgery. 66th Annual Scientific Meeting of the Illinois Chapter of the American College of Surgeons. 2016 May 18-20. Springfield, IL. [oral]

29. McDow A*, **Zahnd W**, Angelos P, Mellinger JD, Ganai S. Impact of Rurality on National Trends in Thyroid Cancer Incidence and Long-term Survival. The American Association of Endocrine Surgeons 37th Annual Meeting. 2016 April 10-12; Baltimore, MD. [poster]

28. Canopy E*, **Zahnd W**, Breslin T, Rea D, Mellinger JD, Ganai S. National Trends of the Impact of Rurality on Breast Cancer Surgery. Society for Surgical Oncology Annual Cancer Symposium. 2016 March 2-5; Boston, MA. [poster]
27. Sadowski D*, Geiger S*, Mueller G, **Zahnd W**, Alanee S, McVary K. Kidney cancer in rural Illinois: lower incidence yet higher mortality. 16th Annual Meeting of the Society of Urologic Oncology. 2015 December 2-4; Washington, DC. [poster]
26. Alanee S, Clemons J*, **Zahnd W**, Sadowski D, Dynda D. Trichloroethylene is associated with kidney cancer mortality: a population-based analysis. 16th Annual Meeting of the Society of Urologic Oncology. 2015 December 2-4; Washington, DC. [poster]
25. Sadowski D*, Mueller G, **Zahnd W**, Alanee S, McVary K. Investigating the etiology of kidney cancer disparities in Illinois. 89th Annual Meeting of the North Central Section of the American Urological Association. 2015 November 10-14. Amelia Island, FL.[oral]
24. Canopy E*, **Zahnd W**, Breslin TM, Rea DJ, Mellinger JD, Ganai S. National Trends of the Impact of Rurality on Breast Cancer Surgery. Simmons Cancer Institute at SIU Research Symposium: The Biology and Treatment of Cancers in the Reproductive System. 2015 November 7. Springfield, IL. [poster]
23. **Zahnd W**, Rogers V, Steward D, Smith T, Treadwell D. Gender differences in the effect of socioeconomic disadvantage on overweight/obesity in elementary students. American Public Health Association Annual Meeting and Exposition. 2015 October 31-November 4; Chicago, IL. [poster]
22. Mueller G, Clayton A*, **Zahnd W**, Hollenbeck K*, Barrow M*, Ruez Jr D, Jenkins WD. Proximity to coal mining activity and cancer risk in Illinois: A geospatial approach. American Public Health Association Annual Meeting and Exposition. 2015 October 31-November 4. Chicago, IL. [oral]
21. **Zahnd WE** and Mueller GS. Identified Lung Cancer Risks in Rural Illinois: Recent Research and Health Implications. 2015 Illinois Rural Health Association Meeting. 2015 August 13-15. East Peoria, IL. [oral]
20. Regan J*, **Zahnd W**, Kistner B*, Ali A, Mellinger JD, Ganai S. Rural Disparities in Esophageal Cancer Outcomes based on Distance from Endoscopic Ultrasound (EUS)-Trained Gastroenterologists. Illinois Chapter of the American College of Surgeons. 2015 June 18-20. Peoria, IL. [oral]
19. Sadowski D*, Frye T*, Alanee S, **Zahnd W**, Jenkins W, Dynda D, Mueller G. McVary K. Impact of county rurality and urologist density on urologic cancer mortality in Illinois. American Urologic Association's 2015 Annual Meeting, 2015 May 15-19; New Orleans, LA. [poster]
18. Regan J*, **Zahnd W**, Kistner B*, Ali A, Mellinger JD, Ganai S. Rural disparities in esophageal cancer outcomes based on distance from Endoscopic Ultrasound (EUS)-Trained gastroenterologists. Digestive Disease Week. 2015 May 16-19; Washington D.C. [poster]
17. **Zahnd W**, Kistner B*, Ali A, Mellinger JD, Ganai S. The impact of rurality and access to gastroenterologists on disparities in pancreas cancer staging and mortality. The Pancreas Club 49th annual meeting, 2015 Digestive Disease Week. 2015 May 15-16. Washington DC. [oral]
16. Kistner B*, **Zahnd W**, Ali A, Mellinger JD, Ganai S. Exploration of rural disparities in pancreas cancer staging and mortality to incidence ratio in Illinois. Society for Surgical Oncology Annual Cancer Symposium. 2015 March 25-28; Houston, TX. [poster]

15. Morgenstern K*, Smith T, **Zahnd W**, Steward D. The Springfield Collaborative for Active Child Health: the development of a student-centered predictive health model for at-risk schools. Association for Prevention Teaching and Research Annual Meeting. 2015 March 15-17; Charleston, SC. [poster]
14. Kistner B*, **Zahnd W**, Ali A, Mellinger JD, Ganai S. Exploration of rural disparities in pancreas cancer staging and mortality to incidence ratio in Illinois. 2015 Gastrointestinal Cancers Symposium. 2015 January 15-17; San Francisco, CA. [poster]
13. Heitkamp M, Newberry M, Sanders K, Land D, **Zahnd W**, Hamel R*, Ryherd S, Puczynski S, Steward D, Jenkins W. Using CBPR principles in focus groups to address lung cancer disparities in rural southern Illinois. American Public Health Association Annual Meeting and Exposition. 2014 November 15-19; New Orleans, LA. [poster]
12. **Zahnd WE** and Mueller GS. The Three “R’s” of Cancer from Rock Falls to Rushville to Rosiclare: How Cancer Differs across Three Rural Regions of Illinois. 2014 Illinois Rural Health Association Conference. 2014 August 14-15. Effingham, IL. [oral]
11. Smith T, Engle K, **Zahnd W**, Cleer M. Bridging the gap: outcomes from an assessment of nutrition and physical activity habits and knowledge of medical students and parents. Association for Prevention Teaching and Research Annual Meeting. 2014 March 20-21; Washington DC. [poster]
10. Mueller G, **Zahnd WE**, Garner K, Heitkamp R, Jenkins WD, Boehler M, Land D, Steward DE. The “Mini-Report”: use of CBPR to create a practical tool to address lung cancer disparities in rural communities. 6th AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2013 December 6-9; Atlanta, GA. [poster]
9. **Zahnd WE**, Steward DE, Jenkins WD, Andoh J, Mueller G, Puczynski S. Barriers to completion of a free colorectal cancer screening program in a low-income population. 6th AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. 2013 December 6-9; Atlanta, GA. [poster]
8. Reynolds KL, Montgomery L, Klamen DL, Szauter K, Verhulst SJ, **Zahnd W**. Perceptions of medical student-nurse interaction. The Central Group on Educational Affairs meeting. 2013 March 21-23; Cincinnati, OH. [poster]
7. Stehling D*, McAsey ME, Groesch K, **Zahnd WE**, Rodrigo G. Postpartum colposcopy: A review of factors associated with improved patient compliance. Central Association of Obstetrics and Gynecology Annual Meeting. 2012 October 17-20; Chicago, IL. [poster]
6. Steward DE, Smith T, Ryherd SJ, Jones M, Germann B, Harris M, Phelps M, Locke A, **Zahnd WE**. Academic-community-public health collaboration to prevent childhood obesity. Centers for Disease Control and Prevention, Weight of the Nation Annual Conference. 2012 May 7; Washington, D.C. [poster]
5. Jenkins WD, Kovach R, Wold B, **Zahnd WE**. Utility of a screening questionnaire in the Emergency Department to predict chlamydia and gonorrhea infection. National STD Prevention Conference. 2012 March 12; Minneapolis, MN. [poster]
4. Jenkins WD, Kovach R, **Zahnd WE**. Systematic review of chlamydia and gonorrhea screening in emergency departments. American Public Health Association Annual Meeting; 2010 November 9; Denver, CO. [poster]
3. Rethnam R, Henkle JQ, Hopkins-Price, Scaife S, **Zahnd WE**, Francis M. Survival benefit with pulmonary artery catheter placement in patients with combined sepsis and congestive heart failure compare to patients with only sepsis or heart failure. 38th Critical Care Congress of the Society of Critical Care Medicine. 2009 January 31-February 4; Nashville, TN. [poster]

2. Varghese JJ*, Koneru S, Scaife SL, **Zahnd W**, Rumman S, Francis ML. Clinical implications of the choice of therapy for patients with rheumatoid arthritis and lupus after acute myocardial infarction. 57th Annual Scientific Session of the American College of Cardiology. 2008 March 29-April 1; Chicago, IL. [poster]

1. Varghese JJ*, Koneru S, Scaife SL, **Zahnd W**, Francis ML. Improved in-hospital mortality of rheumatoid arthritis patients undergoing coronary revascularization procedures: rheumatoid arthritis paradox. 57th Annual Scientific Session of the American College of Cardiology. 2008 March 29-April 1; Chicago, IL. [poster]

Invited Presentations

(numbered in chronological order; listed in reverse chronological order)

37. “Reducing Cancer Health Disparities Among Rural Populations”, Cancer Alliance of Texas Quarterly Meeting, 2022 November 10. [virtual presentation]

36. “Identifying and implementing evidence-based strategies for rural cancer control”, Geographic Health Equity Alliance webinar, 2022 October 26. [webinar panel]

35. “The Role of Rural Health Services in Cancer Health Equity”, Drexel University Health Management and Policy Speaker Series. 2022 October 13, 2022. [seminar]

34. “Setting rural-focused goals, objectives and strategies”, Geographic Health Equity Alliance webinar. 2022 September 21. [webinar]

33. “Building partnerships to support rural cancer control”, Geographic Health Equity Alliance webinar. 2022 August 16. [webinar]

32. “Improving Colorectal Cancer Screening in Rural Health Clinics”, Southeastern Colorectal Cancer Consortium Conference, 2022 June 15-17. Irving, TX [oral presentation]

31. “Defining and Describing Rural Communities in Comprehensive Cancer Control Planning”, Geographic Health Equity Alliance webinar. 2022 June 7. [webinar]

30. “Application of a Multilevel Framework to Evaluate and Address Rural Cancer Disparities”, University of New Mexico Comprehensive Cancer Center Cancer Control & Population Sciences Program Seminar, 2022 May 9 [presentation].

29. “The Role of Rural Health Clinics in Cancer Care across the Continuum”, Holden Comprehensive Cancer Center Grand Rounds, 2021 December 17 [virtual presentation]

28. “Multilevel Influences of Cancer Inequities at the Intersection of Rurality and Race/Ethnicity”, NIH Rural Health Day Seminar, 2021 November 18. [virtual presentation]

27. “The Atmosphere Matters: Current Data on Insurance and Geography as Determinants of HPV Vaccination”, HPV Vaccination Roundtable Annual Meeting Panel Presentation, 2021 June 10.

26. “Social Determinants of Health and Cancer Disparities in American Indian/Alaska Native Populations”, CDC “Cancer Prevention Across the Lifespan” Workgroup Monthly Meeting, 2021 April 26.

25. "Staying Connected while Social Distant: A Spatial Analysis of Broadband Access and Implications for Peri-Pandemic and Post-Pandemic Times", University of South Carolina Big Data Health Science Center National Big Data Health Science Conference, 2021 February 5.
24. "A Spatial Approach to Evaluating Potential and Realized Access to Broadband Services--A 'Super-Determinant of Health'", University of South Carolina Big Data Health Science Center Monthly Seminar, 2021 January 27.
23. "Contextualizing "Rural" in Cancer Disparities Research", UNC Lineberger Comprehensive Cancer Center Cancer Outcomes Program Virtual Research Seminar, 2021 January 19.
22. "The importance of examining the intersection of rural-urban status and race/ethnicity in cancer surveillance research: an early-onset colorectal cancer example", North American Association of Central Cancer Registries Webinar, 2020 October 28.
21. "Using a Multilevel Framework to Evaluate and Address Rural Cancer Disparities across the Continuum", University of South Carolina Arnold School of Public Health Virtual Research Seminar, 2020 October 20.
20. "Methodological Challenges and Solutions for Rural Health Research" American College of Epidemiology Annual Conference, 2020 September 22. [virtual presentation]
19. "Spatial and Health Service Research Approaches in Rural Cancer Control", University of Iowa College of Public Health Virtual Research Seminar, 2020 July 6.
18. "Examining Rural Disparities across the Cancer Continuum", Wake Forest Baptist Comprehensive Cancer Center Cancer Prevention and Control Program Virtual Research Seminar, 2020 June 22.
17. "Rural-Urban Differences in Cancer Incidence and Trends in the United States", American Society of Preventive Oncology Annual Conference. 2020 May 14. Presented virtually as a webinar due to COVID-19
16. "Cancer Surveillance and Access to Care in Rural America", Rural Health Research Gateway, 2020 February 5. [webinar]
15. "Examining Rural Disparities across the Cancer Continuum", The Dartmouth Institute/Norris Cotton Cancer Center Research Seminar, 2020 January 31. Lebanon, NH.
14. "Examining Rural Cancer Disparities across the Continuum", Indiana University School of Public Health Research Seminar, 2020 January 15. Bloomington, IN.
13. "Colorectal Cancer in Rural South Carolina", Colorectal Cancer Screening Program in South Carolina Advisory Council Meeting, 2019 October 28. Columbia, SC.
12. "Leveraging multi-state cancer registry data to examine breast cancer disparities in a federally designated region", NAACCR Talk Webinar, 2019 October 9. [webinar]
11. "Rural Participation in Cancer Clinical Trials", Heartland National Community Oncology Research Program Annual Meeting, 2019 March 22. Springfield, IL. [virtual presentation]
10. "Spatial and Health Services Research Approaches to Examining Cancer Health Disparities", University of South Carolina Research Seminar, 2019 March 4. Columbia, SC.

9. "Utilization of Cancer Registry Data to Elucidate Cancer Incidence Disparities in Rural Populations", National Cancer Institute's Accelerating Rural Cancer Control Meeting, 2018 May 30. Bethesda, MD.
8. "Rural Health Career Forum", Illinois Rural Health Association, Illinois State University, 2018 April 7. Normal, IL.
7. "Using American Community Survey Data in Health Research", American Community Survey Data Users Conference Lunch Roundtable, 2017 May 11-12. Alexandria, VA.
6. "Health Research and Public Health: More than Rats, Microscopes, and Clean Air", Havana Health Career Opportunities, 2017 April 17. Springfield, IL.
5. "Radon Testing Patterns in Illinois and Implications for Public Health and Medical Practice", Radon 101: Brown Bag Lunch Series, SIU School of Medicine. 2017 January 27. Springfield, IL.
4. "Collaboration and Community Engagement to Address Cancer Disparities in Southern Illinois", Washington University in St. Louis and Southern Illinois University School of Medicine Rural Cancer Disparities Partnership Retreat. 2016 July 15. St. Louis, MO.
3. "Geospatial Analysis of Potential Environmental Causes of Cancer in Illinois", SIU School of Medicine/UIS Collaborative Research Seminar. 2014 November 14. Springfield, IL.
2. "Rural-Urban Differences in Health Literacy". SIU School of Medicine Division of Rheumatology Research Forum. 2009 April 3. Springfield, IL.
1. "Rural Health Literacy". 5th Annual Rural Public Health Institute: Preparing for Challenging Times. 2009 March 11. Effingham, IL.

Selected Media Coverage

(numbered in chronological order; listed in reverse chronological order)

15. Rural Complications: Challenges of Delivering Medical Imaging to a Shrinking Population. *ICE Magazine*. 2022 May 1. <https://theicecommunity.com/rural-complications/> [interview]
14. Iowa's Black population faces increased barriers to cancer prevention. *Daily Iowan*. 2022 February 16. <https://dailyiowan.com/2022/02/16/iowas-black-population-faces-increased-barriers-to-cancer-prevention/> [interview]
13. Rural Health Leadership Radio. 2021 September 28. <https://rhlradio.com/2021/09/28/266-a-conversation-with-dr-whitney-zahnd/> [podcast interview]
12. Rural Hospitals Can't Find the Nurses They Need to Fight COVID. *Pew Stateline*. 2021 September 1. <https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2021/09/01/rural-hospitals-cant-find-the-nurses-they-need-to-fight-covid>. [interview]
11. What is a "Pharmacy Desert" and why they make it harder for some people to get vaccinated in SC. *WIS News*. 2021 February 3. <https://www.wistv.com/2021/02/04/what-is-pharmacy-desert-why-they-make-it-harder-some-people-get-vaccinated-sc/> [interview]
10. Study Examines Rural-Urban and Racial/Ethnic Trends and Disparities in Early-onset and Average-onset Colorectal Cancer. *ASPPH Friday Letter*. 2021 January 8. <https://aspph.cmail20.com/t/ViewEmail/d/97E5746F7D8DB2A12540EF23F30FEDED/8301804867752493E89F0E32AAFB68BF#more-news>

9. Early-onset colorectal cancer incidence higher among rural vs. urban populations. *HemOnc Today*. <https://www.healio.com/news/hematology-oncology/20201125/earlyonset-colorectal-cancer-incidence-higher-among-rural-vs-urban-populations> [interview]
8. Here's What's Driving the Rural South's COVID-19 Outbreaks. *Facing South*. <https://www.facingsouth.org/2020/05/here%27s-what%27s-driving-rural-souths-covid-19-outbreaks> [interview]
7. COVID-19 disproportionately impacts local minority groups. *The Daily Gamecock*. <https://www.dailygamecock.com/article/2020/04/the-coronavirus-impacts-minority-groups-news-hinkle> [interview]
6. Researchers Evaluate Access to Mammography Services in Lower Mississippi Delta Region States. ASPPH Friday Letter. 2020 January 6. <https://www.aspph.org/south-carolina-researchers-evaluate-access-to-mammography-services-in-lower-mississippi-delta-region-states/>
5. Study: Urban And Rural Children Don't Have Equal Chance Of Living Into Adulthood. KUNC Public Radio. 2019 December 12. <https://www.kunc.org/post/study-urban-and-rural-children-don-t-have-equal-chance-living-adulthood#stream/0> [interview]
4. Analysis: Disparities in Rural Child Mortality Rates Persist Despite Improvements. *Daily Yonder*. 2019 December 9. <https://www.dailyyonder.com/analysis-disparities-in-rural-child-mortality-rates-persist-despite-improvements/2019/12/09/> [commentary]
3. Authors Develop a Conceptual Framework for Multilevel Analysis in Rural Cancer Control. ASPPH Friday Letter. 2019 November 27. <https://www.aspph.org/south-carolina-authors-develop-a-conceptual-framework-for-multilevel-analysis-in-rural-cancer-control/>
2. Guest View: Rural Health Care Providers Deserve Our Thanks. 2017 November 17. *State Journal-Register*. <http://www.sj-r.com/opinion/20171117/guest-view-rural-health-care-providers-deserve-our-thanks> [editorial]
1. Health Care Celebrated on National Rural Health Day. 2017 November 13. *Farm Week Now*. <http://digital.farmweeknow.com/app.php?RelId=6.9.3.0.1&BookCode=20171113&PageLabel=12&Sqt=11&lang=enu> [editorial]

TEACHING EXPERIENCE

Courses Taught

Health Management and Policy 7940-Primary Data and Mixed Methods Department of Health Management and Policy University of Iowa College of Public Health <i>Instructor of Record (2022)</i>	2022
Health Management and Policy 5005-Introduction to Healthcare Organization and Policy Department of Health Management and Policy University of Iowa College of Public Health <i>Instructor of Record (2021,2022)</i>	2021,2022
South Carolina Honor College 499-Senior Thesis/Project University of South Carolina Honors College <i>Instructor of Record (2020)</i>	2020
Epidemiology 767/867-Geographic Information Systems and Public Health Applications	2018,2020

Department of Epidemiology and Biostatistics
University of South Carolina Arnold School of Public Health
Assistant Instructor (2018)
Co-Instructor (2020)

Family and Community Medicine 493-Cancer Health Disparities, 2017-2018
Department of Family and Community Medicine
Southern Illinois University School of Medicine
Instructor of Record (2017-2018)

Community Health 243-Drug Use and Abuse, 2005-2007
Department of Kinesiology and Community Health
University of Illinois at Urbana-Champaign
Instructor of Record (2005-2007)

Guest Lectures
(numbered in chronological order; listed in reverse chronological order)

35. "Qualitative Methods in Public Health", University of Iowa College of Public Health, CPH 3600, Applied Public Health Methods. September 19, 2022.

34. "Inequities in Rural Healthcare Access", University of Iowa Carver College of Medicine Department of Emergency Medicine Social Medicine Fellowship Seminar, June 21, 2022.

33. "Political Determinants of Health and Implications for Chronic Diseases", University of Iowa College of Public Health, EPID 6600, Epidemiology of Chronic Diseases. April 27, 2022.

32. "Healthcare Access", University of Iowa College of Public Health, HMP 4000, Introduction to the U.S. Healthcare System, April 4, 2022.

31. "Implementation of Evidence-Based Cancer Screening Strategies in Rural Health Clinics", University of Iowa College of Public Health, CPH 3700, Methods for Program Implementation and Evaluation, February 16, 2022.

30." Health Services Professionals and the Health Workforce", University of Iowa College of Public Health, HMP 4000-Introduction to the U.S. Health Care System. February 3, 2022.

29. "The Impact of the COVID-19 Pandemic on Rural Health Clinic Operations and Cancer Prevention and Control Efforts". University of South Carolina Arnold School of Public Health, HSPM 709-Perspectives in Rural Health. January 26, 2022.

28."The impact of COVID-19 on health care delivery and policy", University of Iowa Carver College of Medicine, Disruptive Forces in Medicine Seminar, November 17, 2021.

27. "Spatial Regression", University of South Carolina Arnold School of Public Health, EPID 767/867-GIS and Public Health Applications. October 2021.

26."The COVID-19 Pandemic", University of Iowa College of Public Health, HMP 6750-Seminar in Health Policy. September 27, 2021.

25. "Social, Physical, Health Care, and Policy Contexts in Rural Cancer Control Research", University of Iowa College of Public Health, HMP 7910-Seminar in Contemporary Health Issues. March 12, 2021.

24. “Statistical Testing Parts I & II”, University of South Carolina School of Medicine, Second Year Medical School Curriculum. April 13, 2020.
23. “ Case-Control Study Design”, University of South Carolina Arnold School of Public Health, EPID 410- Principles of Epidemiology. March 5, 2020.
22. “GIS Applications for Health Administration”, University of South Carolina Arnold School of Public Health, HSPM 716-Quantitative Methods for Health Administration. March 2, 2020.
21. “Rural Health Disparities”, Presbyterian College School of Pharmacy, PHRM 5202- Health Care Systems and Socioeconomics. February 13, 2020.
20. “Rural Health Workforce”, University of South Carolina Arnold School of Public Health, HSPM 709-Perspectives in Rural Health. February 12, 2020.
19. “Measuring Disease Frequency”, University of South Carolina Arnold School of Public Health, EPID 410- Principles of Epidemiology. January 28, 2020.
18. “Place-Based Disparities in Population Health”, SIU-Edwardsville School of Pharmacy, PHEL 792-Pharmacy & Population Health. [annually, 2018-2022]
17. “Time Management for Doctoral Students and Public Health Professionals”, University of South Carolina Arnold School of Public Health, EPID 845-Doctoral Seminar, Fall 2019 and Spring 2021.
16. “Lung Cancer Screening”, University of South Carolina Arnold School of Public Health, EPID 746-Cancer Epidemiology, Spring 2019 and Spring 2021.
15. “Sampling and External Validity”, University of South Carolina Arnold School of Public Health, HSPM 719-Health Services Research Methods II [annually 2019-2021]
14. “Place-Based and Rural Cancer Disparities”, University of South Carolina Arnold School of Public Health, EPID 746-Cancer Epidemiology, Spring 2019 and Spring 2021
13. “Key Rural Health Care Resources and Institutions”, University of South Carolina Arnold School of Public Health, HSPM 709-Perspectives in Rural Health, February 6, 2019.
12. “Introduction to Population Health and Prevention”, SIU School of Medicine MS Year 1, Cardiovascular, Respiratory, and Renal Population Health and Prevention Lecture, October 26, 2017.
11. “Study Design—Strength of Evidence and Practicality”, SIU School of Medicine MS Year 2, Cardiovascular, Respiratory, and Renal Population Health and Prevention Lecture, October 19, 2017.
10. “Zika Epidemiology and Surveillance”, SIU School of Medicine MS Year 2 Hematology, Infections, and Immunology Unit Population Health and Prevention Lecture, August 30, 2017.
9. “Research Design and Basic Statistics”, SIU School of Medicine Department of Pediatrics Resident Research Meeting, February 16, 2017.
8. “It’s a 40th Anniversary Celebration”, SIU School of Medicine MS Year 2 Cardiovascular, Respiratory, and Renal Unit Population Health and Prevention Lecture, October 28, 2016.

7. "Zika Epidemiology and Surveillance", SIU School of Medicine MS Year 2 Hematology, Infections, and Immunology Unit Population Health and Prevention Lecture, September 14, 2016.
6. "Using Secondary Databases in Research", SIU School of Medicine Department of Psychiatry Resident Research Seminar, July 29, 2016.
5. "Introduction to Data Management and Statistical Analysis in SPSS", SIU School of Medicine Department of Neurology Research Meeting, April 12, 2016.
4. "Health Research: More than Rats and Microscopes", University of Illinois Urbana-Champaign CHLH 250-Health Care Systems, November 10, 2015.
3. "Using Secondary Databases in Research", SIU School of Medicine Department of Psychiatry Resident Research Seminar, July 24, 2015.
2. "Types of Health Literacy Measurement Tools", SIU School of Medicine Doctoring Course, January 12, 2011.
1. "Measuring Health Literacy". SIU School of Medicine Doctoring Course [annually 2009-2010]

Continuing Education Online Modules

1. "Radon Module: Predictors & Spatial Variation of Radon Testing in Illinois", 0.75 Continuing Education Credits for physicians, mid-level providers, nurses, respiratory therapists, radon technicians.
<https://www.highmarksce.com/siumed/index.cfm?do=ev.viewEnduring&attendeelD=-1&eventID=4351>

STUDENT SUPERVISION/ADVISEMENT/MENTORSHIP/COMMITTEES

Graduate Students, Ongoing

Name	Year	Mentorship/Advisory Role
Stephanie Lee, Emory University PhD Student (Nursing)	2022-present	Dissertation Committee
Breanna Greteman, Ulowa PhD Student (Epidemiology)	2022-present	Dissertation Committee
Griffin Berg, Ulowa MHA Student	2022-present	Advisor
Kyle Ellenberger, Ulowa MHA Student	2022-present	Advisor
Luke Harkness, Ulowa MPH in Policy Student	2022-present	Advisor
Kari Holte, Ulowa MHA Student	2022-present	Advisor
Hallie Vonk, Ulowa MHA Student	2022-present	Advisor
Michael Zolfaghari, Ulowa MHA Student	2022-present	Advisor
Supriya Shinde, Ulowa PhD Student (Health Services and Policy)	2022-present	Primary Advisor

Name	Year	Mentorship/Advisory Role
Ufuoma Ejughemre, Ulowa PhD Student (Health Services and Policy)	2022-present	Graduate Teaching Assistant Supervisor
Jason Semprini, Ulowa PhD Student (Health Services and Policy)	2022-present	Comprehensive Examination & Dissertation Committees, F31 co-mentor
Jenah McCarty, Ulowa MPH in Policy/MHA Student	2021-present	Advisor
Johanna Knutson, Ulowa MHA Student	2021-present	Advisor
Dillon Sampson, Ulowa MHA Student	2021-present	Advisor
Annie Schaefer, Ulowa MHA Student	2021-present	Advisor
Junjie Gai, Ulowa PhD Student (Health Services and Policy)	2021-present	Primary Advisor
Gawain Williams, Ulowa PhD Student (Health Services and Policy)	2021-present	Secondary Advisor, Graduate Research Assistant Supervisor
Khyathi Gadag, Ulowa PhD Student (Health Services and Policy)	2021-present	Graduate Research Assistant Supervisor
Hannah Rochford, Ulowa PhD Student (Health Services and Policy)	2021-present	Comprehensive Examination & Dissertation Committees Teaching Assistantship Supervisor (Fall 2021)
Gabriel Benavidez, UofSC PhD Student (Epidemiology)	2019-present	NIH Behavioral-Biomedical Interface Program Pre-doctoral Fellowship (Secondary Mentor)

Undergraduate Students, Ongoing

Name	Year	Mentorship/Advisory Role *Student Achievement
Meghana Yellepeddi (Ulowa, Ethics and Public Policy)	Summer 2022	Iowa Center for Research by Undergraduates (ICRU) Fellowship Mentor

Graduate Students, Completed

Name	Year	Mentorship/Advisory Role *Student Achievement
Skyler Taylor (Medical Student, SIU School of Medicine)	Summer 2018	Mentored Professional Education Experience Mentor
Allie Silverman (UofSC MSW/MPH Student)	2020-2021	Graduate Research Assistant Supervisor
Radhika Ranganathan, UofSC MSPH Student	2019-2022	Graduate Research Assistant Supervisor, Thesis Committee Member, Cancer Prevention and

(Epidemiology)		Control Research Network (Scholar Program Mentor)
Mina Shrestha, Ulowa PhD Student (Health Services and Policy)	2021-2022	Dissertation Committee
Robert Marko-Franks, MPH in Policy Student	2021-2022	Advisor

Undergraduate Students, Completed

Name	Year	Mentorship/Advisory Role *Student Achievement
Cathryn Murphy (UofSC, Biochemistry)	2019-2021	Research Project Supervisor
Allison Hoelker (UofSC, Public Health)	2020	Honors College Thesis Advisor
Claire Biesecker (UofSC, Public Health)	2019	Public Health Practicum Co-Mentor
Chesni Cobb (Biology, Clafin University)	2019-2020	South Carolina-Advancing Diversity in Ageing Research Program (Secondary Mentor)
Jessica Lee (UofSC, Public Health)	2018-2019	Public Health Practicum Co-Mentor

PROFESSIONAL SERVICE ACTIVITIES

Institutional Committees and Activities (University of Iowa)

Student Association for Rural Health Faculty Advisor	2022-present
Holden Comprehensive Cancer Center Emerging Leaders Council	2022-present
HMP Faculty Search Committee	2022-present
Global Public Health Case Competition Writing Group	2022-present
HMP Doctoral Preliminary Examination Committee	2022-present
MPH Program Working Group	2022-present
MHA Admissions Interviewer	2021-present
MPH in Policy Admission Committee	2021-present
Member, College of Public Health Diversity, Equity and Inclusion Committee (<i>DEI Scholarship Subcommittee, DEI Curriculum and Pedagogy Subcommittee</i>)	2021-present 2022-present
Ad hoc HMP Awards Committee	2021
Judge, Research Week Student Flash Presentations	2021

Institutional Committees and Activities (University of South Carolina)

Reviewer, Clemson University/University of South Carolina COVID-19 Challenge	Summer 2020
Co-Director, Big Data Health Science Center Geospatial Core	2020-2021
Member, Big Data Health Science Center Geospatial Core	2019-2021
Member, Magellan Scholar Review Committee	Fall 2019
Social Media Coordinator, Rural & Minority Health Research Center	2018-2021

Institutional Committees and Activities (SIU School of Medicine)

Social Media Coordinator, Office of Population Science and Policy	2017-2018
Member, Community Engagement Team, Office of Population Science and Policy	2017-2018
Member, Internal Subcommittee of the Community Health Policy Committee	2016-2017
Member, Minors on Campus Task Force	2015-2016
Chair, Research and Evaluation Subcommittee of the Community Health Policy Committee	2015

Member, Community Health Policy Committee	2013-2017
Member, Collaboration to Reduce Lung Cancer Disparities in the Southern Illinois Delta Region Steering Committee	2012-2015
Member, Research and Evaluation Subcommittee of the Community Health Policy Committee	2011-2015
Member, Springfield Collaborative for Active Child Health	2010-2016
Member, Internal Medicine Cabinet	2009-2010

External Committees and Activities

Member, Cancer Prevention and Control Research Network Social Deprivation Interest Group	2022-present
Member, SMARTER CRC External Advisory Board	2022-present
Secretary, Iowa Rural Health Association	2022-present
Board Member, Iowa Rural Health Association	2021-present
Member, Cancer Prevention and Control Research Network Steering Committee	2021-present
Co-chair, Cancer Prevention and Control Research Network Rural Cancer Workgroup	2021-present
Member, Scientific Review Committee for AACR 14 th Annual Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved	2021
Member, Planning Committee for AACR 14 th Annual Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved	2021
Member, Cancer Prevention and Control Research Network Social Deprivation Interest Group	2021-present
Member, Cancer Prevention and Control Research Network Rural Cancer Workgroup	2018-present
Member, South Carolina Cancer Alliance HPV Vaccination Workgroup	2018-2021
Facilitator, Illinois Cancer Partnership, State Cancer Plan Prevention Sub Workgroup	2016
Member, Illinois Cancer Partnership, State Cancer Plan Early Detection Sub Workgroup	2016
Member, Data Safety Monitoring Committee, Phase I Study of MK-3475 in Combination with BCG for Patients with High-Risk Superficial Bladder Cancer	2016-2018
Member, Illinois Cancer Partnership, State Cancer Plan Work Group	2015-2016
Student Member, Interprofessional Student Hotspotting Learning Collaborative (Southern Illinois University team)	2015-2016
Member, Southern Illinois Healthcare, Community Health Needs Assessment Cancer Implementation Team	2015
Member, St. John's Hospital Childhood Obesity Program	2015-2016

Editorial and Review Activities

Editorial Boards

Editorial Board, <i>Journal of Rural Health</i> (<i>Editorial Board Chair</i>)	2021-present 2023-present
Board of Statisticians, <i>Journal of Urology</i>	2018-2019
Guest Editor, <i>International Journal of Environmental Research and Public Health</i> Special Issue	

Ad Hoc Peer Reviewer

American Journal of Epidemiology, American Journal of Preventive Medicine, Annals of Epidemiology, BMC Health Services Research, BMJ Open, Cancer, Cancer Causes & Control, Cancer Epidemiology Biomarkers & Prevention, Cancer Medicine, Evaluation and Program Planning, Health & Place, Health Promotion Practice, International Journal of Environmental Research and Public Health, JAMA Network Open Journal of Clinical Oncology, Journal of Health Care for the Poor and Underserved, Journal of the National Comprehensive Cancer Network, JCO Oncology Practice, Journal of Public Health Management and Practice, Journal of Racial and Ethnic Health Disparities, Journal of Rural Health, Journal of Thoracic Oncology, Preventing Chronic Disease, Preventive Medicine, Research in Social and Administrative Pharmacy, Social Science & Medicine, Supportive Care in Cancer

Grant Reviewer

Early Career Reviewer, NIH Cancer, Heart, Sleep Epidemiology B Study Section	February 2022
University of Iowa College of Public Health Business Leadership Network Community Grant Program	2022
University of South Carolina Big Data Health Science Center Pilot Grant Program	2021,2022
University of South Carolina Big Data Health Science Center Health GIS Scholars Program	2021
Yorkshire Cancer Research	2016

Abstract Reviewer

National Rural Health Association Annual Conference	2021,2022
North American Association of Central Cancer Registries Annual Conference	2019-2021
American Public Health Association Epidemiology Section	2017

Professional Memberships

Member, Iowa Cancer Consortium	2021-present
Member, National Rural Health Association Research and Education Constituency Group	2020-present
Member, National Rural Health Association	2019-present
Associate member, American Association for Cancer Research	2016-2021
Member, Illinois Cancer Partnership	2015-2017
Student member, American Public Health Association	2015-2016
Member, North American Association of Central Cancer Registries	2014-2020
Member, Illinois Rural Health Association	2013-2018

COMMUNITY SERVICE ACTIVITIES

Pen Pal, Letters to a Pre-Scientist Program	2019-2020
Co-Leader, Hands-On Healthcare	2017-2018
Co-Leader, Healthcare Explorers of Central Illinois	2016-2017
Member, DuBois Elementary School Wellness Committee	2015-2016
Lead Adviser, Medical Explorers Post 998	2009-2016
Community-Based Mentor, Big Brothers Big Sisters of the Illinois Capital Region	2007-2015

SOFTWARE COMPETENCIES

ArcGIS Desktop, ArcGIS Pro, EndNote, GeoDa, Joinpoint Regression, Mendeley, Microsoft Office Suite, SAS, SEER*Stat