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EDUCATION

- 8/97-10/01 **University of North Carolina, Chapel Hill,**
Department of Epidemiology, School of Public Health
Doctoral degree in epidemiology, December 2001
- 9/95-5/97 **Yale University, New Haven, CT**
Department of Epidemiology and Public Health
MPH, concentration in chronic disease epidemiology
- 10/88-6/93 **University College, Northeastern University**
Combined 50 credits in biology, chemistry, psychology and statistics.
- 9/84-5/88 **State University of New York at Albany**
BS in Physics, graduated cum laude.

WORK EXPERIENCE

- 8/10 – pres. **University of Illinois at Chicago, Division of Epidemiology and Biostatistics**
Associate Professor of Epidemiology
- 8/04 – 8/10. **University of Illinois at Chicago, Division of Epidemiology and Biostatistics**
Assistant Professor of Epidemiology
- 11/01– 8-04. **University of Illinois at Chicago**
NCI Postdoctoral Fellow, Cancer Prevention and Control
- 6/98-9/02 **Lineberger Comprehensive Cancer Center, UNC-Chapel Hill**
Research Fellow.
Responsible for data analyses from North Carolina Breast Cancer Screening Program.
- 8/97-5/98 **Carolina Mammography Registry, University of North Carolina Chapel Hill**
Research Assistant.
Management and analyses of a large mammography utilization database of women receiving mammograms in 24 counties in North Carolina.
- 5/96-7/97 **Yale Program on Aging, New Haven, CT**
Programmer/Analyst.
Responsible for data management and analytical support for several ongoing epidemiologic studies of aging.
- 4/96-8/96 **Cancer Center, Yale Medical School, New Haven, CT**
Intern
Data analysis of a matched case-control study of lung cancer in never smokers and former smokers; analysis led to master’s thesis.
- 2/92-8/95 **Massachusetts General Hospital, Boston, MA**
Research Technician
Research on parathyroid hormone and osteoporosis in a variety of animal models.

Linking air toxics exposure data to residential histories in a large cohort of women. The goals of this pilot project are to link data from the US EPA's National Air Toxics Assessment to residential histories in approximately 40,000 patients in the Metropolitan Chicago Breast Cancer Registry (MCBCR).

No Grant # (Rauscher) 01/08/2018 – 01/07/2019
BCRG Pilot Grant Program, Breast Cancer Research Group at the University of Illinois at Chicago

Linking residential histories in a large cohort of women: a linchpin to studies of social and environmental risk factors for breast cancer subtypes. The goals of this pilot project are to link residences from LexisNexis as far back as 1990 to a nested case-control study using patients in the Metropolitan Chicago Breast Cancer Registry (MCBCR).

KG111385 (Rauscher) 07/01/2014 – 06/30/2017
Komen Foundation

UIC Komen Breast Cancer Disparities Fellowship. This proposal was in response to “Post-Baccalaureate Training in Disparities Research (PBT-DR)” and the goal is to train a cadre of researchers to conduct breast cancer disparities research most relevant to public health goals.

Role: Principal Investigator

P50CA106743_10 (Warnecke) 07/01/2016 – 06/30/2017
(Supplement)
NCI

Supplement – A shared navigation intervention to delayed breast cancer diagnosis. The goal of this supplement is to develop a dataset and track women who receive an abnormal mammogram through the safety net health care system in Chicago, and monitoring multilevel effects of policy, practice norms, and individual decisions that impact the timely resolution and guideline concordant care.

Role: Co-Investigator

P01CA154292 (Miglioretti/Kerlikowske) 07/11/2011 -
06/30/2016
NIH- National Cancer Institute

Risk-Based Breast Cancer Screening in Community Settings. The goal of this Program Project is to identify the most effective breast cancer screening strategies according to women's breast cancer risk. The three projects will work to: improve measurement of breast cancer risk and identification of risk profiles; identify appropriate screening modalities to optimize early detection of breast cancer; and understand whether advanced screening technologies are reaching diverse groups and examine the determinants of access.

Role: Co-Investigator

R01 HS018366 (Rauscher) 09/01/2010 - 08/31/2016 (no-cost
extension)
AHRQ

Comparative effectiveness of breast imaging modalities: a natural experiment. The goal of this study is to examine the comparative effectiveness of diagnostic imaging and biopsy procedures in ruling in or ruling out a breast cancer diagnosis. This study will create generalizable knowledge that can be used by clinicians and policymakers to maximize breast cancer detection while minimizing over-diagnoses and unnecessary biopsies.

Role: Principal Investigator

P60MD003424 (Calhoun/Ferrans) 07/25/2009 -
5/31/2015 (no-cost extension)
NIMHD

The Center of Excellence in Eliminating Disparities (CEED), Project 2: Improving Adequacy of Colorectal Cancer Care for African Americans: Colon Cancer Patterns of Care in Chicago. The CEED aims to: i) become a university-wide resource for minority health and health disparities research; ii) enhance training of faculty and students engaged in minority health disparities research; iii) develop/ conduct cutting-edge research on health disparities; iv) develop effective strategies for improving minority health and health disparities in community settings; and v) maintain sustain key-university-community partnerships.

Role: Co-I, Project Director, Project 2

#NHLONGGBR

(Miglioretti)
02/28/2014 – 12/31/2015

American Cancer Society

Performance of screening ultrasound by breast cancer risk and breast density. The goal of this project is to abstract screening ultrasounds from Advocate Health and Hospitals Corporation medical records and then map, provide quality control, and transfer the ultrasound data to the Biostatistics and Data Management Core (BDMC).

Role: Co-Investigator

P50CA106743

(Warnecke/Calhoun)

06/15/2010 - 03/31/2015

NIH

NIH-Supported Centers for Population Health and Health Disparities, Project 3: DNA Methylation and Differential Breast Cancer Aggressiveness by Race/Ethnicity. Among other goals, Project 3 proposes to study differences in DNA methylation between Caucasian, Latin American and African American patients with breast cancer in Chicago.

Role: Co-I, Project Leader, Project 3

KG111385

(Rauscher)

05/15/2011 - 05/14/2014

Komen Foundation

UIC Komen Cancer Epidemiology and Disparities Fellowship. This proposal was in response to “Post-Baccalaureate Training in Disparities Research (PBT-DR)” and the goal is to train a cadre of researchers to conduct breast cancer disparities research most relevant to public health goals.

Role: Principal Investigator

BR 07-18

Rauscher (PI)

09/01/07 – 08/31/09

American Cancer Society, Illinois Division

Role: PI

Mammography effectiveness and ethnic disparity in symptomatic breast cancer. The major goals of this project are to examine the role of the quality of the mammography process in creating a racial and ethnic disparity in breast cancer stage at diagnosis among White, African American, and Hispanic breast cancer patients in Chicago.

86280168

Rauscher (PI)

01/01/08 – 06/31/09

Illinois Department of Public Health

Role: PI

Ethnic disparity in symptomatic breast cancer awareness following routine mammography. The major goals of this project are to examine the role of the quality of breast imaging and quality of interpretation for malignancy, and how quality might relate to the racial and ethnic disparity in breast cancer stage at diagnosis among White, African American and Hispanic breast cancer patients in Chicago.

1 P50 CA106743-01

Warnecke (PI)

09/01/03 – 09/01/08

NIH

Role: Co-I, Project Director, Project 4

Mediators of Ethnic Disparity in Breast Cancer Prognosis, Project 4 of the UIC Center for Population Health and Health Disparities. The major goals of this project are to examine the role of access and timing of health care in racial/ethnic disparities in breast cancer stage at diagnosis for Black, White, and Hispanic patients residing in Chicago, IL.

PEER-REVIEWED PUBLISHED ARTICLES

1. Lee CI, Abraham L, Miglioretti DL, Onega T, Kerlikowske K, Lee JM, Sprague BL, Tosteson ANA, Rauscher GH, Bowles EJA, diFlorio-Alexander RM, Henderson LM; Breast Cancer Surveillance Consortium. National Performance Benchmarks for Screening Digital Breast Tomosynthesis: Update from the Breast Cancer Surveillance Consortium. *Radiology* 2023 May;307(4):e222499.

2. Jakubowski D, Peterson CE, Sun J, Hoskins K, Rauscher GH, Argos M. Association between adverse childhood experiences and later-life allostatic load in UK Biobank female participants. *Womens Health (Lond)*. 2023 Jan-Dec;19:17455057231184325.
3. Lomahan S, Rauscher GH, Murphy AM. The role of facility and patient mix factors on recovery of screening and diagnostic mammography volumes following the initial COVID-19 pandemic wave. *Cancer Med*. 2023 May;12(9):10877-10888.
4. Santaliz-Casiano A, Mehta D, Danciu OC, Patel H, Banks L, Zaidi A, Buckley J, Rauscher GH, Schulte L, Weller LR, Taiym D, Liko-Hazizi E, Pulliam N, Friedewald SM, Khan S, Kim JJ, Gradishar W, Hegerty S, Frasor J, Hoskins KF, Madak-Erdogan Z. Identification of metabolic pathways contributing to ER+ breast cancer disparities using a machine-learning pipeline. *Sci Rep*. 2023 Jul 26;13(1):12136.
5. Al-Alem U, Rauscher GH, Alem QA, Kajdacsy-Balla A, Mahmoud AM. Prognostic Value of SGK1 and Bcl-2 in Invasive Breast Cancer. *Cancers* 2023;15(12):3151.
6. Lawson MB, Bissell MCS, Miglioretti DL, et al. Multilevel Factors Associated With Time to Biopsy After Abnormal Screening Mammography Results by Race and Ethnicity. *JAMA Oncol* 2022;8(8):1115–1126. doi:10.1001/jamaoncol.2022.1990
7. Kerlikowske K, Chen S, Golmakani MK, Sprague BL, Tice JA, Tosteson ANA, Rauscher GH, Henderson LM, Buist DSM, Lee JM, Gard CC, Miglioretti DL. Cumulative Advanced Breast Cancer Risk Prediction Model Developed in a Screening Mammography Population. *J Natl Cancer Inst* 2022;114(5):676-685.
8. Hoskins KF, Calip GS, Huang HC, Ibraheem A, Danciu OC, Rauscher GH. Association of Social Determinants and Tumor Biology With Racial Disparity in Survival From Early-Stage, Hormone-Dependent Breast Cancer. *JAMA Oncol* 2023;9(4):536-545.
9. Sprague BL, Ichikawa L, Eavey J, Lowry KP, Rauscher G, O'Meara ES, Miglioretti DL, Chen S, Lee JM, Stout NK, Mandelblatt JS, Alsheik N, Herschorn SD, Perry H, Weaver DL, Kerlikowske K. Breast cancer risk characteristics of women undergoing whole-breast ultrasound screening versus mammography alone. *Cancer* 2023;129(16):2456-2468.
10. Abraham IE, Rauscher GH, Patel AA, Pearse WB, Rajakumar P, Burkart M, Aleem A, Dave A, Bharadwaj S, Paydary K, Acevedo-Mendez M, Goparaju K, Gomez R, Carlson K, Tsai SB, Quigley JG, Galvin JP, Zia M, Larson ML, Berg S, Stock W, Altman JK, Khan I; Structural racism is a mediator of disparities in acute myeloid leukemia outcomes. *Blood* 2022; 139 (14): 2212–2226.
11. Rauscher GH, Molina Y, Silva A, Murphy AM. Initial point of entry to the health care system may affect downstream quality of breast cancer care. *Journal of the American College of Radiology*. 2021 Oct 1;18(10):1442-6.
12. Al-Alem U, Mahmoud AM, Batai K, Shah-Williams E, Gann PH, Kittles R, Rauscher GH. Genetic variation and immunohistochemical localization of the glucocorticoid receptor in breast cancer cases from the Breast Cancer Care in Chicago cohort. *Cancers* 2021 (Accepted for Publication).
13. Miglioretti DL, Bissell MCS, Kerlikowske K, Buist DSM, Cummings SR, Henderson LM, Onega T, O'Meara ES, Rauscher GH, Sprague BL, Tosteson ANA, Wernli KJ, Lee JM, Lee CI. Assessment of a Risk-Based Approach for Triaging Mammography Examinations During Periods of Reduced Capacity. *JAMA Netw Open*. 2021 Mar 1;4(3):e211974.
14. Sprague BL, Lowry KP, Miglioretti DL, Alsheik N, Bowles EJA, Tosteson ANA, Rauscher G, Herschorn SD, Lee JM, Trentham-Dietz A, Weaver DL, Stout NK, Kerlikowske K. Changes in Mammography Use by Women's Characteristics During the First 5 Months of the COVID-19 Pandemic. *J Natl Cancer Inst*. 2021 Sep 4;113(9):1161-1167.
15. Sanchez Diaz CT, Strayhorn SM, Tejada S, Vijayasiri G, Molina Y, Rauscher GH. What mediates the racial/ethnic disparity in psychosocial stress among breast cancer patients? *Cancer Causes & Control* 2021;32(4):357-67.

16. Jones LA, Brewer KC, Carnahan LR, Parsons JA, Polite BN, Ferrans CE, Warnecke RB, Rauscher GH. Health Insurance Status as a Predictor of Mode of Colon Cancer Detection but Not Stage at Diagnosis: Implications for Early Detection. *Public Health Rep* 2022;137(3):479-487.
17. Lee CI, Zhu W, Onega T, Henderson LM, Kerlikowske K, Sprague BL, Rauscher GH, O'Meara ES, Tosteson ANA, Haas JS, diFlorio-Alexander R, Kaplan C, Miglioretti DL. Comparative Access to and Use of Digital Breast Tomosynthesis Screening by Women's Race/Ethnicity and Socioeconomic Status. *JAMA Netw Open*. 2021 Feb 1;4(2):e2037546.
18. Calip GS, Kidd J, Bernhisel R, Cox HC, Saam J, Rauscher GH, Lancaster JM, Hoskins KF. Family history of breast cancer in men with non-BRCA male breast cancer: implications for cancer risk counseling. *Breast Cancer Res Treat* 2021;185(1):195-204.
19. Rauscher GH, Murphy AM, Qiu Q, Dolecek TA, Tossas K, Liu Y, Alsheik NH. The "Sweet Spot" Revisited: Optimal Recall Rates for Cancer Detection With 2D and 3D Digital Screening Mammography in the Metro Chicago Breast Cancer Registry. *AJR Am J Roentgenol* 2021;216(4):894-902.
20. Rauscher GH, Tossas-Milligan K, Macarol T, Grabler PM, Murphy AM. Trends in attaining mammography quality benchmarks with repeated participation in a quality measurement program: Going Beyond the Mammography Quality Standards Act to address breast cancer disparities *Journal of the American College of Radiology* 2020;17(11):1420-1428.
21. Sprague BL, Coley RY, Kerlikowske K, Rauscher GH, Henderson LM, Onega T, Lee CI, Herschorn SD, Tosteson ANA, Miglioretti DL. Assessment of Radiologist Performance in Breast Cancer Screening Using Digital Breast Tomosynthesis vs Digital Mammography. *JAMA Netw Open*. 2020;3(3):e201759 (Online ahead of print). PMID: PMC7292996
22. Bissell MCS, Kerlikowske K, Sprague BL, Tice JA, Gard CC, Tossas KY, Rauscher GH, Trentham-Dietz A, Henderson LM, Onega T, Keegan THM, Miglioretti DL. *Cancer Epidemiol Biomarkers Prev* 2020;29 (Online ahead of print).
23. Lowry KP, Coley RY, Miglioretti DL, Kerlikowske K, Henderson LM, Onega T, Sprague BL, Lee JM, Herschorn S, Tosteson ANA, Rauscher G, Lee CI. Comparison of screening performance of digital breast tomosynthesis vs. digital mammography in community practice by patient age, screening round, and breast density. *JAMA Network Open* 2020;3(7):e2011792 (Online ahead of print).
24. Carnahan LC, Rauscher G, Watson KS, Altfeld S, Zimmermann K, Ferrans CE, Molina Y. (In press). Comparing the roles of social context, networks, and perceived social functioning with health-related quality of life among rural female cancer survivors. *Supportive Care in Cancer* 2021;29:331–340.
25. Brewer KC, Peacock NR, Ferrans CE, Campbell RT, Polite B, Carnahan LR, Rauscher GH. Gender- and racial-based differences in barriers and facilitators to early detection of colon. *Journal of Women's Health* 2020;29(9):1192-1202.
26. Buist DS, Ichikawa L, Wernli KJ, Lee CI, Henderson LM, Kerlikowske K, Bowles EJA, Miglioretti D, Specht J, Rauscher GH, Sprague B, Onega T, Lee JM. Facility variability in examination indication among women with prior breast cancer: implications and the need for standardization. *J Am Coll Radiol* 2020;17(6):755-764.
27. Carnahan LR, Jones L, Brewer KC, Watts EA, Peterson CE, Ferrans CE, Cipriano-Steffens T, Polite B, Maker AV, Chowdhery R, Molina Y, Rauscher GH. Race and gender differences in awareness of colorectal cancer screening tests and guidelines among recently diagnosed colon cancer patients in an urban setting. *Journal of Cancer Education* 2019 (Online ahead of print).
28. Kresovich JK, Erdal S, Chen HY, Gann PH, Argos M, Rauscher GH. Metallic air pollutants and breast cancer heterogeneity. *Environmental Research* 2019;177:108639 (Online ahead of print). PMID: PMC6717519
29. Kerlikowske K, Sprague BL, Tosteson ANA, Wernli KJ, Rauscher GH, Johnson D, Buist DSM, Onega T, Henderson LM, O'Meara ES, Miglioretti DL. Strategies to Identify Women at High Risk of Advanced Breast Cancer During Routine Screening for Discussion of Supplemental Imaging. *JAMA Internal Medicine* 2019;179(9):1230-1239. PMID: PMC6604099

30. Lee JM, Arao RF, Sprague BL, Kerlikowske K, Lehman CD, Smith RA, Henderson LM, Rauscher GH, Miglioretti DL. Performance of Screening Ultrasonography as an Adjunct to Screening Mammography in Women Across the Spectrum of Breast Cancer Risk. *JAMA internal medicine* 2019;179(5):658-667. PMID: PMC6503561
31. Sprague BL, Kerlikowske K, Bowles EJA, Rauscher GH, Lee CI, Tosteson ANA, Miglioretti DL. Trends in Clinical Breast Density Assessment from the Breast Cancer Surveillance Consortium. *J Natl Cancer Inst* 2019;111(6): 629-32. PMID: PMC6579740
32. Tice JA, Bissell MCS, Miglioretti DL, Gard CC, Rauscher GH, Dabbous FM, Kerlikowske K. Validation of the Breast Cancer Surveillance Consortium Model of Breast Cancer Risk. *Breast Cancer Research and Treatment* 2019;175(2):519-23.
33. Hirschtick JL, Homan SM, Rauscher G, Rubin LH, Johnson TP, Peterson CE, Persky VW. Persistent and aggressive interactions with the police: potential mental health implications. *Epidemiol Psychiatr Sci*. 2019;29:e19.
34. Arasu VA, Miglioretti D, Sprague B, Alsheik N, Buist D, Henderson L, Herschorn S, Lee J, Onega T, Rauscher Garth, Wernli K, Lehman C, Kerlikowske K. Population-Based Assessment of the Association Between Magnetic Resonance Imaging Background Parenchymal Enhancement and Future Primary Breast Cancer Risk. *Journal of Clinical Oncology* 2019 37:12, 954-963. PMID: PMC6494266
35. Vijayasiri G, Molina Y, Chukwudozie BI, Tejada S, Pauls HA, Rauscher GH, Campbell RT, Warnecke RB. Racial disparities in breast cancer survival: the mediating effects of macro-social context and social network factors. *Journal of Health Disparities Research and Practice* 2018;3(11):75-98.
36. Warnecke RB, Campbell RT, Vijayasiri G, Barrett RE, Rauscher GH. A Multilevel Examination of Health Disparity: The Roles of Policy, Neighborhood Context, Patient Resources and Healthcare Facilities in Stage at Diagnosis. *Cancer Epidemiology, Biomarkers and Prevention* 2019;28(1):59-66. PMID: PMC6324957
37. Tamayo LI, Vidaurre T, Navarro Vasquez J, Casavilca S, Aramburu Palomino JI, Calderon M, Abugattas JE, Gomez HL, Castaneda CA, Song S, Cherry D, Rauscher GH, Fejerman L. Breast cancer subtype and survival among Indigenous American women in Peru. *PLOS ONE* 2018;13(9):e0201287. PMID: PMC6124707
38. Lee CI, Zhu W, Onega TL, Germino J, O'Meara ES, Lehman CD, Henderson LM, Haas JS, Kerlikowske K, Sprague BL, Rauscher GH, Tosteson ANA, Alford-Teaster J, Wernli KJ, Miglioretti DL. The Effect of Digital Breast Tomosynthesis Adoption on Facility-Level Breast Cancer Screening Volume. *AJR* 2018; 957-963. PMID: PMC6438161
39. Polite BN, Cipriano-Steffens TM, Hlubocky FJ, Jean-Pierre P, Cheng Y, Brewer KC, Rauscher GH, Fitchett GA. Association of Externalizing Religious and Spiritual Beliefs on Stage of Colon Cancer Diagnosis among Black and White Multi-Center Urban Patient Populations. *Cancer* 2018;124(12):2578-2587.
40. Kresovich JK, Gann PH, Erdal S, Chen HY, Argos M, Rauscher GH. Candidate gene DNA methylation associations with breast cancer characteristics and tumor progression. *Epigenomics* 2018;10(4):367-378. PMID: PMC5925433
41. Acosta AM, Al Rasheed MRH, Rauscher GH, Vormittag E, Mon KS, Sharif A, Kajdacsy-Balla A, Mohapatra G. Tumor Necrosis in Radical Prostatectomies with High-Grade Prostate Cancer is Associated with Multiple Poor Prognostic Features and a High Prevalence of Residual Disease. *Human Pathology* 2018;75:1-9.
42. Jones L, Brewer K, Ferrans CF, Polite B, Rauscher GH. Examining Racial Disparities in Colon Cancer Clinical Delay in the Colon Cancer Patterns of Care in Chicago Study. *Annals of Epidemiology* 2017;27(11):731-738. PMID: PMC5728690
43. Rauscher GH, Dabbous F, Dolecek TA, Friedewald SM, Tossas-Milligan K, Macarol T, Summerfelt WT. Absence of an anticipated racial disparity in interval breast cancer within a large healthcare organization. *Annals of Epidemiology* 2017;27(10):654-58.

44. Mahmoud AM, Macias V, Al-Alem U, Deaton RJ, Kadjakys-Balla A, Gann P, Rauscher GH. BRCA1 Protein Expression and Subcellular Localization in Primary Breast Cancer: Automated Digital Microscopy Analysis of Tissue Microarrays. *PLoS One* 2017;12(9):e0184385.
45. Lee J, Ichikawa L, Valencia E, Miglioretti DL, Wernli K, Buist DSM, Kerlikowske K, Henderson LM, Sprague BL, Onega T, Rauscher GH, Lehman CD. Performance benchmarks for screening breast MRI in community practice. *Radiology* 2017;285(1):44-52.
46. Rauscher GH, Silva A, Pauls H, Frasor J, Bonini MG, Hoskins K. Racial disparity in survival from estrogen and progesterone receptor-positive breast cancer: implications for reducing breast cancer mortality disparities. *Breast Cancer Res Treat* 2017;163(2):321-330.
47. Dabbous F, Dolecek TA, Friedewald S, Khan-Gates J, Tossas-Milligan K, Berbaum M, Macarol T, Summerfelt WT, Rauscher GH. Performance characteristics of digital vs. film screen mammography in community practice. *Breast Journal* 2018; 24(3):369-372. PMID: PMC5936472
48. Sighoko D, Rauscher GH, Murphy M. Male breast cancer: are there racial disparities in incidence and tumor characteristics? *Medical Research Archives* 2017; 5(5):1-15.
49. Tejada S, Stolley MR, Vijayasiri G, Campbell RT, Ferrans CE, Warnecke RB, Rauscher GH. Negative Psychological consequences of breast cancer among recently diagnosed ethnically diverse women. *Psycho-Oncology* 2017;26(12):2245-2252.
50. Sighoko D, Murphy M, Irizarry B, Rauscher GH, Ferrans C, Ansell D. Changes in the Racial Disparity in Breast Cancer Mortality in the Ten US Cities with the largest African American populations from 1999 to 2013: The Reduction in Breast Cancer Mortality Disparity in Chicago. *Cancer Causes & Control* 2017; 28(6): 563–568.
51. Dabbous F, Dolecek TA, Berbaum M, Friedewald S, Summerfelt WT, Hoskins K, Rauscher GH. Impact of a false positive screening mammogram on subsequent screening behavior and stage at breast cancer diagnosis. *Cancer Epidemiol Biom Prev* 2017;26(3):397-403.
52. Sprague BL, Arao R, Miglioretti DL, Henderson LM, Buist DSM Onega T, Rauscher GH, Lee JM, Tosteson ANA, Kerlikowske K, Lehman CD. National Performance Benchmarks for Modern Diagnostic Digital Mammography: Update from the Breast Cancer Surveillance Consortium. *Radiology* 2017;283(1):59-69.
53. Lehman CD Arao RF, Sprague BL, Lee JM, Buist DSM, Kerlikowske K, Henderson LM, Onega T, Tosteson ANA, Rauscher GH, Miglioretti D. National Performance Benchmarks for Modern Screening Digital Mammography: Update from the Breast Cancer Surveillance Consortium. *Radiology* 2017; 283(1):49-58.
54. Tejada S, Gallardo R, Ferrans CE, Rauscher GH. Breast cancer delay in Latinas: the role of cultural beliefs and acculturation. *Journal of Behavioral Medicine* 2017;40(2):343-351.
55. Benevolenskaya EV, Islam ABMMK, Ahsan H, Kibriya MG, Jasmine F, Wolff B, Al-Alem U, Wiley E, Kajdacsy-Balla A, Macias V, Rauscher GH. DNA methylation and hormone receptor status in breast cancer. *Clinical Epigenetics* 2016;8:17. PMID: PMC4754852
56. Rauscher GH, Wiley EL, Campbell RT, Wiley E, Hoskins K, Stolley M. Socioeconomic position and reproductive factors mediate racial and ethnic disparities in estrogen/progesterone receptor negative breast cancer. *American Journal of Epidemiology* 2016;183(10): 884–893. PMID: PMC4867153
57. Casadaban L, Rauscher G, Aklilu M, Villenes D, Freels S, Maker AV. Adjuvant Chemotherapy Is Associated with Improved Survival in Patients with Stage II Colon Cancer. *Cancer* 2016;122:3277-87.
58. Rauscher GH, Poulin M, Yan L, Kresovich JK, Macias V, Mahmoud A, Al-Alem U, Balla AA, Wiley EL, Tonetti D, Ehrlich M. Exploring DNA methylation changes as early and late events in breast cancer formation. *BMC Cancer* 2015;15:816. PMID: PMC4625569
59. Mortel M, Rauscher GH, Murphy AM, Hoskins K, Warnecke RB. Racial and Ethnic disparity in symptomatic breast cancer awareness despite a recent screen: the role of tumor biology and mammography facility characteristics. *Cancer Epidemiol Biomarker Prev* 2015; 24(10): 1599-1606. PMID: PMC4592461

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61. Al-Alem U, Rauscher G, Shah E, Batai K, Mahmoud A, Beisner E, Silva A, Peterson C, Kittles R. Association of genetic ancestry with breast cancer in ethnically diverse women from Chicago. *PloS One* 2014;9(11): e112916. PMID: PMC4244099
62. Peterson CE, Rauscher GH, Johnson TP, Kirschner CV, Freels S, Barrett RE, S, ML, Joslin CE, Davis FG. The effect of neighborhood disadvantage on the racial disparity in ovarian cancer-specific survival in a large hospital-based study in Cook County, Illinois. *Frontiers in Public Health* 2015;3:8. PMID: PMC4302660
63. Dookeran K, Silva A, Warnecke RB, Rauscher GH. Race/Ethnicity and Disparities in Mastectomy Practice in the Breast Cancer Care in Chicago Study. *Annals of Surgical Oncology* 2015;22(1) 66-74.
64. Allgood KL, Rauscher GH, Whitman S, Vasquez-Jones G, Shah AM. Validating self-reported mammography use in vulnerable communities: findings and recommendations. *Cancer Epidemiol Biom Prev* 2014;23(8)1649 – 1658. PMID: PMC4135480
65. Peterson C, Rauscher GH, Johnson TP, Kirschner CV, Barrett RE, Kim S, Fitzgibbon ML, Joslin CE, Davis FG. The association between neighborhood socioeconomic status and ovarian cancer tumor characteristics. *Cancer Causes and Control* (2014); 25:633–637.
66. Silva A, Rauscher GH, Ferrans CE, Hoskins K, Rao R. Assessing the Quality of Race/Ethnicity, Tumor, and Breast Cancer Treatment Information in a non-SEER State Registry. *J Registry Manag* 41: 24-30, 2014.
67. Rauscher GH, Murphy AM, Orsi JM, Dupuy DM, Grabler PM, Weldon CB. Beyond MQSA: Measuring the quality of breast cancer screening programs. *American Journal of Roentgenology* 2014;202(1):145-151. PMID: PMC4113079
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69. Rauscher GH, Conant EF, Khan J, Berbaum ML. Mammogram image quality as a potential contributor to disparities in breast cancer stage at diagnosis: an observational study. *BMC Cancer* 2013;13(208). PMID: PMC3641949
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Polite BN, Cipriano TM, Hlubocky FJ, Jean-Pierre P, Brewer K, Cheng Y, Rauscher GH, Fitchett G. Religious Beliefs and Stage at Diagnosis in a Bi-racial Sample of Newly Diagnosed Colon Cancer Patients. Abstract #150693, ASCO 2015 (January 15-17, 2015) (Submitted)

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Irizarry B, Tossas-Milligan KY, Rauscher G, Murphy AM. Racial/ethnic and socioeconomic disparities in access to screening mammograms in a statewide sample of mammography facilities in Illinois. 7th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, November 9-12, 2014, San Antonio, TX.

Tossas-Milligan KY, Irizarry B, Murphy AM, Rauscher GH. Trends in mammography quality benchmarks met over time: Moving beyond the Mammography Quality Standards Act to address breast cancer disparities. Poster presented at the 7th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, November 9-12, 2014, San Antonio, TX.

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FM Dabbous, J Khan-Gates, T Macarol, TA Dolecek, S Friedewald, AM Murphy, Wm. Thomas Summerfelt, GH Rauscher. Comparison of false negative probabilities for digital and film mammography within a large healthcare organization [abstract]. American Society of Clinical Oncology. Chicago, May-June 2014.

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Khan J, Rauscher GH Travel burden to breast biopsy facilities by race and income in Chicago. 6th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, December 2013.

Kresovich J, Al Alem U, Poulin M, Yang L, Ehrlich M, Rauscher GH. DNA methylation and breast cancer disparities: a candidate gene approach. Poster presentation at the 2013 annual meeting of the Centers for Population Health and Health Disparities, Boston.

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Khan J, Rauscher GH. Drive Time to Breast Cancer Care Facilities by Race and Income in Chicago. Annual conference of the Centers for Population Health and Health Disparities, 2013

Silva A, Rauscher GH. Identifying mediators of the racial/ethnic disparity in breast cancer treatment delay. Poster presentation at the 2012 annual meeting of the American College of Epidemiology, Chicago.

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Khan J, Orsi J, Murphy AM, Dupuy D, Rauscher GH. The distribution of mammography facility characteristics in metropolitan Chicago. Poster presentation at the August 2012 annual meeting of the American College of Epidemiology, Chicago.

Silva A, Rauscher GH, Rao R, Hoskins K. Mediators of Racial/Ethnic Disparities in Radiation Treatment among Breast Cancer Patients. Fifth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, October 2012.

Silva A, Rauscher GH, Hoskins K Rao R. Is There a Reverse Racial/Ethnic Disparity in Chemotherapy Treatment Among Breast Cancer Patients? Fifth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, October 2012.

Khan J, Orsi J, Rauscher GH, Murphy AM, Dupuy D. The distribution of mammography facility and census tract characteristics in Chicago. Fifth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, October 2012.

Gallardo RI, Rauscher GH, Ferrans CE. Examining factors associated with high levels of breast cancer beliefs among Hispanic women. Fifth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, October 2012.

Rauscher GH, Al-Alem U, Warnecke RB. Does psychosocial stress play a role in the etiology of aggressive breast cancer? A cross-sectional study. Presented at the 2012 American Association for Cancer Research conference "The Science of Cancer Health Disparities" in Washington DC, October 2011.

Brewer K et al, ACE 2012

Al-Alem U, Rauscher GH, Shah E, Batai K, Mostafa A, Erin Beisner, Silva A, Peterson C, Kittles R. The relevance of genetic ancestry in aggressive breast cancer. Poster presentation at the June 2012 annual meeting of the Centers for Population Health and Health Disparities, Seattle.

Dookeran KA, Rauscher GH, Silva A. History of Screening Mammography and Risk of Mastectomy among Women with Breast Cancer. Poster presentation at the 2012 annual meeting of the Society for Epidemiologic Research, Minneapolis.

Rauscher GH, Tonetti DA. Reproductive factors help to explain racial/ethnic disparities in breast cancer aggressiveness. Garth H Rauscher*, Debra A Tonetti. Poster presentation at the 2012 annual meeting of the Society for Epidemiologic Research, Minneapolis.

Rauscher GH, Campbell RT, Weaver K, Warnecke RB. Health care access and breast cancer aggressiveness contribute separately to racial/ethnic disparities in stage at diagnosis. Presented at the 2011 American Association for Cancer Research conference "The Science of Cancer Health Disparities" in Washington DC, September 18-21, 2011.

Khan J, Conant EF, Rauscher GH. Potential missed opportunities for early detection with screening mammography: does the quality of radiologist's interpretation vary by patient socioeconomic advantage/disadvantage? Presented at the 2011 American Association for Cancer Research conference "The Science of Cancer Health Disparities" in Washington DC, September 18-21, 2011.

Rauscher GH, Ahsan H, Kibriya M, Dai Y, Wiley E, Kajdacsy-Balla A, Macias V, Levenson V, Tonetti D, Ehrlich M. DNA methylation and hormone receptor status in breast cancer. Poster presented on 6/23/2011 at the 3rd North American Congress of Epidemiology, Montreal, Quebec, Canada.

Richard E. Barrett RE, Cho YI, Rauscher GH, Johnson TP, Calhoun EA, Warnecke RB. The Sociodemographic Environments of the Growth of Community Health Centers in Chicago and Their Effects on Breast Cancer Diagnosis and Treatment. National Association of Community Health Centers 2009 Convention, 8/21- 8/25/2009.

Rauscher GH, Conant EF, Zahora C, Camargo MC, Martens NM, Silva A, Beam CA Facility practice characteristics explain differences in mammogram image quality by patient race/ethnicity. Poster presented on 03/09/09 at the 33rd Annual ASPO Meeting of the Society for Preventive Oncology in Tampa, Florida.

Rauscher GH, Demertas H. Validation of the linear risk model for estimating absolute effects in public health research. Poster presented on 06/21/07 at the 2007 meeting of the Society for Epidemiologic Research in Boston, MA.

Rauscher GH, Demertas H, Cho CC, Earp JL. Adjusting for dropout in an intervention to reduce the Black-White gap in mammography use. Poster presented on 06/21/07 at the 2007 meeting of the Society for Epidemiologic Research in Boston, MA.

Ferrans C, Rauscher GH, Akpan B, Johnson T, Ramirez D, Willis M, Warnecke R. ONS Cultural beliefs contributing to disparities in later-stage breast cancer among newly-diagnosed African-American, Latina, and Caucasian women. 9th National Conference on Cancer Nursing Research, 2006.

Rauscher GH, Walk J, Johnson T. Accuracy of self-reported cancer screening histories: a meta-analysis. Poster presented at the 2005 meeting of the Society for Epidemiologic Research in Toronto, Canada.

Rauscher GH, Rankin K, Erdal S, McCarthy B, Davis F. Feasibility of Web-based versus Telephone Interviews as a Data Collection Method in Epidemiology Studies of Brain Tumor Patients. Second quadrennial meeting of the World Federation of NeuroOncology / EANO VI, June 2005 Edinburgh, United Kingdom.

Rauscher G, McCarthy BJ, Rankin K, Kobialka M and Davis F (Division of Epidemiology and Biostatistics and the Center for the advancement of Distance Education, University of Illinois at Chicago, Chicago, IL, USA). Methodological issues in the conduct of Brain Tumor Case-Control studies- A Pilot Study. Abstract at the Society of Neuro-Oncology Eighth annual meeting, November 2003, Keystone, CO.

Davis F, Ali-Osman F, Friedman H, Erdal S, Herndon JE, McCarthy B, Paleologos N, Rauscher G, Vick N. Genetic/Environmental Risk and Outcomes for Brain Tumors. Poster presentation at the Annual NCI SPORE Investigator meeting, July 2003.

Rauscher GH, Poole C. Pitfalls of using relative risk interaction to interpret patterns of risk. Poster presented at the 2003 meeting of the American College of Epidemiology in Chicago, IL.

Rauscher GH, Shore D, Sandler DP. Hair dye use and incidence of adult acute leukemia. Poster presentation at the 2003 meeting of the American Association for Cancer Research in Washington DC.

Rauscher GH, Shore D, Sandler DP. Alcohol intake and incidence of adult acute leukemia. Poster presented at the 2003 meeting of the American Association for Cancer Research in Washington DC.

Rauscher GH, Kupelian VA, Davis F, Mallin K, Rosenblatt K. Tubal ligation, hysterectomy, and interactions with parity in the incidence of ovarian cancer. Poster presented at the 2003 meeting of the American Association for Cancer Research in Washington DC.

Rauscher GH, O'Malley MS, Earp JL. Effect of Changes in Breast Cancer and Mammography Knowledge on Breast Cancer Screening Rates for Rural Black Women. Poster presented at the 2003 meeting of the American Society of Preventive Oncology in Philadelphia, PA.

Rauscher GH, O'Malley, M.S., and Earp, J.A. "Reliability of Self-reported Lifetime Number of Mammograms." Poster presented at the 24th Annual Meeting, American Society for Preventive Oncology, Bethesda, MD, March, 2000.

Earp JL, Rauscher GH, O'Malley MS. Closing the Black-White gap in mammography use. Paper presented at the 128th annual meeting of the American Public Health Association. Boston, 2000.

INVITED SEMINARS

Rauscher GH. Is Family History of Breast Cancer a Marker of Susceptibility to Leukemia Exposures? Division of Epidemiology and Biostatistics, University of Illinois at Chicago, Chicago, IL Friday, September 6th, 2002.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Department of Health Evaluation Sciences, Hershey Medical Center, Pennsylvania State University, Hershey PA, February 15, 2004.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Division of Epidemiology and Biostatistics, University of Illinois at Chicago, Chicago, IL, February 26, 2004.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Division of Epidemiology and Biostatistics Seminar Series, School of Public Health, Drexel University, Philadelphia, PA, March 5, 2004.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Department of Epidemiology, University of Minnesota, Minneapolis, MN, March 18, 2004.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." University of Texas Health Center at Tyler, Tyler, TX.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Medical University of South Carolina, Charleston, SC, March 25, 2004.

Rauscher GH. "Mediators of ethnic disparity in breast cancer prognosis." Case Western University, Cleveland, OH, May 12, 2004.

Rauscher GH. "The Linear Risk Model: appropriately shunned, or underappreciated for estimating public health impacts? An EPID/BIOS collaboration", University of Illinois at Chicago Epidemiology and Biostatistics Seminar, September 23, 2005.

Rauscher GH. "Problems With Using Survey Data to Track Progress in Cancer Screening Utilization", University of Chicago School of Medicine, Research in Progress Seminar, December 2, 2005.

Rauscher GH. "Transdisciplinary Strategies for Understanding Disparities in Breast Cancer: A project of the UIC Center for Population Health and Health Disparities." University of Illinois at Chicago Clinical and Translational Research Seminar, Chicago, IL October 25, 2006.

Rauscher GH. Interpreting progress in cancer screening from survey data in the context of potential selection and information biases. Division of Epidemiology and Biostatistics Seminar Series, University of Illinois at Chicago, Chicago, IL, March 16, 2007.

Rauscher GH. Racial and ethnic disparities in mammography adherence and mammography effectiveness. UIC Institute for Health Research and Policy seminar series, May 22nd, 2007.

Rauscher GH. Conducting breast cancer disparities research in Chicago. Saints Mary and Elizabeth Family Medicine residents, Community Medicine Noon Conference series, Saints Mary and Elizabeth Medical Center, August 20, 2009.

Rauscher GH. DNA Methylation and Breast Cancer Aggressiveness. UIC Cancer Center Research Seminar, Carcinogenesis and Chemoprevention Program, Thursday, February 10, 2011

Rauscher GH. Using data to explore disparities in breast cancer stage at diagnosis in Chicago. University of Illinois School of Medicine, Urban Medicine Program, Policy and Advocacy Forum, 2/27/2013

Rauscher GH. Factors leading to disparities in breast cancer stage at diagnosis among screened women. UIC Breast Cancer Research Group Seminar Series, April 17, 2015.

Rauscher GH. Using Epidemiologic Approaches to tease out biological and social contributions to breast cancer disparities. UIC Breast Cancer Research Group, Breast Cancer Symposium, February 2, 2017.

Rauscher GH. Examining Breast Cancer Disparities Within A Single, Large Healthcare Organization: Comparison To Population-Based Data. UIC Cancer Center, Population and Behavioral Health Outcomes seminar series. June 1, 2017.

Rauscher GH. The Metro Chicago Breast Cancer Registry: Developing an infrastructure for local research on breast cancer disparities. UIC Breast Cancer Research Group. October 11, 2018.

Rauscher GH. Linking Measures of Association to Public Health Questions. Division of Epidemiology and Biostatistics Seminar Series, University of Illinois at Chicago, Chicago, IL, February 1, 2019.

Khan I and Rauscher GH . Examining the Role of Structural Racism as a Mediator of Disparities in Adult Acute Myeloid Leukemia. UICC Cancer Prevention and Control Program Monthly Meeting, March 3rd, 2022

TEACHING

Courses Taught

2003 (Fall)	EPID 494 Special topics in SAS programming for Epidemiology (#15747) (2 hours)
2004 (Spring)	EPID 494 Special topics in SAS programming for Epidemiology (#43616) (2 hours)
2004 (Fall)	EPID 494 Epidemiologic computing (#21569) (2 hours)
2005 (Spring)	EPID 595 Epidemiology research seminar (1 hour)
	IPHS 660 Interdisciplinary seminar (#17572) (1 hour)
2005 (Fall)	EPID 406 Epidemiologic Computing (#21569) (3 hours)
2006 (Spring)	EPID 404 Intermediate Epidemiologic Methods (#20280) (4 hours)
2006 (Fall)	EPID 406 Epidemiologic Computing (#21569) (3 hours)
2007 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2007 (Fall)	EPID 515 Cancer Epidemiology (#15919) (3 hours)
2008 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2008 (Fall)	EPID 515 Cancer Epidemiology (#15919) (3 hours)
2009 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2010 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2010 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2011 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2011 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2012 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2013 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2014 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2014 (Fall)	EPID 403 Introduction to Epidemiology (3 hours)
2015 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2015 (Fall)	EPID 403 Introduction to Epidemiology (3 hours)
2016 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2016 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2017 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
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2020 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2021 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2021 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2022 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2022 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)
2023 (Spring)	EPID 501 Advanced Quantitative Methods in Epidemiology (#26987) (4 hours)
2023 (Fall)	EPID 406 Epidemiologic Computing (#23459) (3 hours)

AWARDS

2003	American Association for Cancer Research (AACR) <i>Scholar-in-Training Award</i>
11/01–pres.	National Cancer Institute, Bethesda, MD. <i>Postdoctoral Research Fellowship, Cancer Prevention and Control</i>

SERVICE

American Cancer Society's Breast Health Equity Advisory Workgroup, March 27, 2019 in Atlanta.

Grant Reviewer

Centers for Disease Control Prevention, SIP19-004 and SIP19-005, April 30, 2019 Special Emphasis Panel

American Cancer Society, Illinois Division, Cancer Control and Population Sciences, July, 2011; November 2011

Manuscript Reviewer

American Journal of Epidemiology
American Journal of Preventive Medicine
Annals of Epidemiology
BMC Cancer
Cancer
Cancer Causes and Control
Cancer Epidemiology, Biomarkers and Prevention
Epidemiologic Perspectives & Innovations
Epidemiology
International Journal of Cancer
JAMA
Preventive Medicine

Divisional service (SPH and Cancer Center)

Committee on Educational Programs (CEP) (September 2011- September 2012, Fall 2022-present)
Academic Promotion and Tenure (AP&T) 2018-2021
Committee on Admissions and Recruitment Policies (CARP) 2018-2021
Cancer Center Protocol Review Committee (October 2006-2017)
Committee On Admissions and Recruitment Policies (CARP) (September 2010-August 2011)
Epi-Bio Curriculum committee, Chair, 2022-present

Schoolwide service (UIC)

Senate Standing Committee on Educational policy Fall 2023-present

Chairman, Doctoral Dissertation Committees

Ethnic enclaves, socioeconomic status and associations with obesity and breast density among Latinas. By **Carola T. Sanchez Diaz**. Submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2021.

Associations of Hazardous Air Pollutants with Breast Cancer Subtypes among Women in Metropolitan Chicago. By **Alpana Kaushiva**. Submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2021.

The Influence of Mammographic Density On Breast Cancer Risk. By **Katherine Tossas-Milligan**. Submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2017.

The application of geographic analyses to assess racial/ethnic disparities in access to breast cancer care in Chicago. By **Jenna Khan**. Submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2018

Assessment of Breast Cancer Development and Aggression with Heavy Metal Exposures in Illinois. By **Jacob Kilburn Kresovich**. Submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2017.

Burden and Morbidity of Breast Screening and Diagnostic Work up: Results from a Community Based Approach By **Firas M. Dabbous**. Thesis submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2016.

Racial and Gender Disparities in Colon Cancer Presentation and Stage at Diagnosis. By **Katherine Clark Brewer** Dissertation submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2016.

The Role of Glucocorticoid Receptor in Aggressive Breast Cancer. By **Umaima Al-Alem**. Thesis submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2015

Assessing Racial/Ethnic Disparities along the Breast Cancer Treatment Continuum. By **Abigail Silva**. Thesis submitted as partial fulfillment of the requirements for the degree of Doctor of Philosophy in Epidemiology in the Graduate College of the University of Illinois at Chicago, 2013

PhD Preliminary exam committee chair

Maria Camargo, PhD (2010)
Abigail Silva, PhD (2012)
Jenna Khan (2012)
Firas Dabbous (2012)
Katherine Brewer (2012)
Umaima Al-Alem (2012)
Keith Dookeran (2013)
Katherine Tossas-Milligan (2014)
Jacob Kresovich (2014)
Alpana Kaushiva (2018)
Carola Sanchez (2018)
Jibril Alim (2019)

PhD Preliminary exam committee member

Arielle Grieco (2020)
Debbie M. Jakubowski (2020)

PhD dissertation committees

Alpana Kaushiva
Carola Sanchez
Jenna Khan (Chair, 2018)
Katherine Tossas-Milligan (Chair, 2018)
Brian Joyce (Chair, 2016)
Jana Hirschteck (member, 2017)
Jacob Kresovich (Chair, 2017)
Matthew Monberg (member, 2016)
Firas Dabbous (Chair-2016)
Katherine Brewer (Chair, 2016)
Umaima Al-Alem (Chair, 2015)
Abigail Silva, PhD (Chair, 2012)

Maria Camargo, PhD (Chair, 2010)
Charlotte Joslin (member, 2006)
Daniel Kent Roberts (member, 2006)
Leila Shalahabi (member, 2008)

MS Committee

Lizeth Tamayo (Chair, 2018) Breast cancer characteristics in Peruvian women
Bethliz Irizarry (Chair, projected, 2016) Racial/ethnic disparities in receipt of sentinel lymph node biopsy
Lindsey Jones (Chair, 2015) Racial disparities in clinical delay among colon cancer patients
Rani Gallardo (Chair, 2014) Cultural beliefs in Hispanic breast cancer patients
Mylove Mortal (Chair, 2013) Symptomatic awareness of breast cancer despite a recent screen
Lani Rapp (Chair, 2009) Does Timing of Care Account for Part of the Racial and Ethnic Disparity in Breast Cancer Tumor Aggressiveness?
Jennifer Walk (Chair, 2006) Validity of self-reported cancer screening procedures
Thuppal, Shalini (Chair, 2006) Incomplete pregnancies and ovarian cancer risk

CONTINUING EDUCATION

Workshops:

- 2023 SER Workshop: Modern Causal Mediation Analysis (Nima Hejazi, Harvard, Ivan Diaz, NYU, Kara Rudolph, Columbia University)
- 2023 SER Workshop: Reproducible Epidemiology in R (Louisa Smith, Northeastern University)
- 2023 Statistical Horizons: Using Large Language Transformer Models for Research in R
- 2021 SER Workshop: Simulation Methods for Power Calculation Using Stata (Huber), July 30th, 2021
- 2021 SER Workshop: An introduction to Difference-in-Differences and Synthetic Control Methods for Epidemiologists July 9th, 2021
- 2021 SER Workshop: Causal Mediation: Modern Methods for Path Analysis, Monday, May 24 2021
- 2021 SER Workshop: Confounding control for estimating causal effects: Looking under the hood, February 26, 2021
- 2020 SER Workshop: Estimation and interpretation: Introduction to parametric and semi-parametric estimators for causal inference, December 7, 2020
- 2020 Latent Class and Latent Profile Analyses Workshop Series, July-December 2020
- 2020 Structural Equation Modeling, Part 2, taught online by Paul Allison, Statistical Horizons, July 2020
- 2017 Structural Equation Modeling: A 5-day seminar taught by Paul Allison, Statistical Horizons, July 10-14, Chicago, IL.
- 2016 Paul Allison, Introduction to Survival Analysis, June 2015, Boston MA.
- 2014 Paul Allison, Introduction to Structural Equations Modeling, May 2015, Atlanta GA.
- 2012 Paul Allison, Missing Data, 2-day workshop, August 2013, Chicago IL.
- 2006 SUPERMIX Workshop on mixed models using software developed by Gibbons and Hedeker. May 31 - June 2, 2006, University of Chicago Gleacher Center.
- 2005 An Introduction to Bayesian Methods in Epidemiology (Diane Stangel). American College of Epidemiology Preconference Workshop, June 27 2005.
- 2005 CMS 101: Introduction to the use of Medicare data for research. ResDAC at University of Minnesota School of Public Health, Minneapolis, MN. May 16-18, 2005.
- 2005 CMS 301: Using SEER-Medicare data for research. ResDAC at University of Minnesota School of Public Health, Minneapolis, MN. May 19, 2005.
- 2004 Introduction to Systematic Reviews and Meta Analysis (Charles Poole). American College of Epidemiology Preconference Workshop. September 10, 2004.
- 2004 Introduction to Sensitivity Analysis of Bias (Timothy Lash and Sander Greenland). American College of Epidemiology Preconference Workshop. June 2004.

Conferences attended:

- 2023 Society for Epidemiologic Research Annual Meeting, Portland, June 2021.
- 2022 Society for Epidemiologic Research Annual Meeting, Chicago, June 2021.
- 2021 Society for Epidemiologic Research Annual Meeting, online, June 2021.
- 2020 Society for Epidemiologic Research Annual Meeting, online, June 2020.
- 2019 AACR conference “The Science of Cancer Health Disparities”, San Fransisco, September, 2019
- 2019 Society for Epidemiologic Research Annual Meeting, Minneapolis MN, June 2019.
- 2018 AACR conference “The Science of Cancer Health Disparities”, New Orleans, November, 2018
- 2017 AACR conference “The Science of Cancer Health Disparities”, Atlanta, September, 2017
- 2016 AACR conference “The Science of Cancer Health Disparities”, Ft. Lauderdale, September, 2016
- 2015 AACR conference “The Science of Cancer Health Disparities”, Atlanta, December, 2015
- 2015 Centers for Population Health and Health Disparities Annual Grantees Meeting, Chapel Hill, April 2015
- 2014 AACR conference “The Science of Cancer Health Disparities”, San Antonio, November, 2014
- 2013 AACR conference “The Science of Cancer Health Disparities”, Atlanta, December, 2013
- 2013 Society for Epidemiologic Research Annual Meeting, Boston MA, June 2013.
- 2013 Centers for Population Health and Health Disparities Annual Grantees Meeting, Boston, WA, May 2013
- 2013 Breast Cancer Surveillance Consortium Annual Grantees Meeting, San Fransisco, CA, June 2013
- 2013 American Society for Preventive Oncology Annual Meeting, Memphis TN, March 2013
- 2012 AACR conference “The Science of Cancer Health Disparities”, San Diego, CA, October 2012.
- 2012 American College of Epidemiology, Chicago, IL, August 2012
- 2012 Society for Epidemiologic Research 2009 Meeting, Minneapolis, MN, June 2012
- 2012 Centers for Population Health and Health Disparities Annual Grantees Meeting, Seattle, WA, June 2012
- 2012 Breast Cancer Surveillance Consortium Annual Grantees Meeting, Seattle, WA, May 2012
- 2011 3rd North American Congress of Epidemiology, Montreal, Quebec, Canada, June 2011
- 2011 AACR conference “The Science of Cancer Health Disparities”, Washington DC, September 18-21, 2011
- 2009 Society for Epidemiologic Research 2009 Meeting. Anaheim, CA. June 23-26, 2009.
- 2008 Society for Epidemiologic Research 2007 Meeting. Chicago, IL. June 24-27, 2008.
- 2007 Society for Epidemiologic Research 2007 Meeting. Boston, MA. June 19-22, 2007.
- 2007 Breast Summit for Chicago, March 23
- 2006 Second North American Congress of Epidemiology. Seattle, WA, June 21-24
- 2006 Centers for Population Health and Health Disparities 3rd Annual Grantees Meeting. The Rand Corporation, Santa Monica, CA. May 2006.
- 2005 Epidemiology without borders: The Canadian Society for Biostatistics and Epidemiology and the Society for Epidemiologic Research 2005 Joint Meeting. Toronto, CA. June 27-30, 2005.
- 2005 Chicago Department of Public Health Data Users Conference. Chicago, IL. June 14, 2005
- 2005 Centers for Population Health and Health Disparities 2nd Annual Grantees Meeting. University of Chicago, Chicago, IL. May 19-20, 2005.
- 2005 Annual Meeting of the American Society of Preventive Oncology. San Francisco, CA. May 13-15, 2005.
- 2004 When Science Meets Policy: Focusing Attention on the Role of Epidemiologists and Epidemiologic Research on the Interplay Between Science and Policy. American College of Epidemiology, Boston, MA. September 11-14, 2004.
- 2004 Centers for Population Health and Health Disparities 1st Annual Grantees Meeting. Galveston, Texas. May