
Caroline Avery Thompson, PhD, MPH

Physical Address:

5500 Campanile Drive
Hardy Tower Room 9, MC 4162
San Diego, CA 92182-4162

Contact Information:

caroline.thompson@sdsu.edu
(O) 619.594.0104

PERSONAL:***Research Interests***

Cancer screening and detection; cancer-related healthcare delivery; racial and ethnic disparities in cancer burden and healthcare delivery; (re)use of electronic health records for research; imputation and quantitative bias analysis for missing data; development and application of novel methods for causal inference from observational data (esp. electronic health records); integrative data analysis; geospatial analysis.

Teaching Interests

Intermediate and advanced quantitative (epidemiologic) methods (study design, bias/validity, modeling building and analysis); causal inference methodology; statistical methods for missing data; simulation studies; quantitative bias analysis; cancer epidemiology; secondary use of electronic healthcare data; data governance and ethics.

EDUCATION:

Doctor of Philosophy (PhD) in Epidemiology, **University of California Los Angeles**, Fielding School of Public Health. Dissertation title: "Multiple Bias Modeling in a Multi-Center Epidemiologic Study of Endometrial Cancer". Chair: Onyebuchi Arah. June 13, 2013.

Master of Public Health (MPH) in Epidemiology, **University of California Los Angeles**, School of Public Health. Thesis title: "Circadian Disruption, Shift Work, and Cancer". Reader: Eva Schernhammer. June 12, 2010.

Bachelor of Arts (BA) in Biology, **University of North Carolina at Chapel Hill**. Emphasis in Teaching Biology. Minor in Chemistry. December, 1999.

PROFESSIONAL EXPERIENCE:***Academic/Research/Leadership (2008-current)***

October 2017-current, Adjunct Assistant Professor of Epidemiology (non-salaried), [Department of Family Medicine and Public Health](#), School of Medicine, **University of California San Diego**.

August 2017-current, Faculty Member, [The Center for Human Dynamics in the Mobile Age](#), **San Diego State University (SDSU)**. The SDSU HDMA research cluster focuses on research opportunities that spring from the convergence of new developments in spatial science, mobile technology, big data, and social behavior research.

June 2017, Visiting Lecturer, [Epidemiology of Cancer Healthcare and Outcomes \(ECHO\) Research Group](#), Department of Behavioural Science and Health, **University College London**, England.

August 2016-current, Co-leader, [Geospatial Approaches to Population Health \(GrAPHeRs\) working group](#), **San Diego State University (SDSU)**. GrAPHeRs is a collaborative research consortium between the Center for Human Dynamics in the Mobile Age at SDSU, Moores Cancer Center at University of California San Diego, and the Division of Epidemiology and Biostatistics at the University of California San Francisco. The GrAPHeRs mission is to leverage geospatial tools to improve the understanding of cancer health disparities.

January 2016-current, Associate Member, Moores Cancer Center, **University of California San Diego**.

August 2015-current, Member, Clinical and Translational Research Institute, **University of California San Diego**.

August 2015-current, Assistant Professor of Epidemiology (tenure-track), [School of Public Health](#), **San Diego State University**.

August 2015-current, Consulting Investigator (non-salaried), [Palo Alto Medical Foundation Research Institute](#), **Sutter Health**, Palo Alto, CA. In this role I am eligible to serve as Principal Investigator for research protocols conducted at Sutter Health and the Palo Alto Medical Foundation.

July 2015-current, Faculty Investigator, [The Oncoshare Project](#), **Stanford University**. Oncoshare is a comprehensive breast cancer research tool that integrates data from the statewide, population-based California Cancer Registry; electronic medical records (EMRs) from Stanford University Hospital and multiple sites of the community-based PAMF healthcare system, detailed genomic sequencing results directly from clinical testing laboratories, and patient-reported data on cancer care preferences and experiences.

June 2014-April 2015, Lecturer (part-time), **University of California Santa Cruz (Extension)**, Santa Clara, CA

July 2013-July 2015, AcademyHealth Delivery Systems Science Fellow, **Stanford University/Palo Alto Medical Foundation Research Institute**, Palo Alto, CA. The [AcademyHealth Delivery System Science Fellowship \(DSSF\)](#) provides a paid post-doctoral learning experience to help researchers gain more applied experience conducting research in delivery system settings.

August 2011-June 2013, Pre-doctoral Trainee, Ruth L. Kirschstein National Research Service Award (NRSA), Cancer Epidemiology Training Program, Fielding School of Public Health, **University of California Los Angeles**. Program director: Zuo-Feng Zhang. This NCI-funded cooperative agreement provides instruction and mentoring to pre- and postdoctoral trainees in epidemiologic methodology and molecular and genetic aspects of cancer epidemiology.

February 2011-June 2013, "Junior Researcher", [Deepening Our Understanding of Quality Improvement in European Hospitals \(DUQuE\)](#), Avedis Donabedian Research Institute, **University of Barcelona**, Spain. Principal Investigators: Rosa Suñol and Oliver Groene. This European Commission-funded 7th Framework Programme was a multi-center, mixed methods, cross-sectional study designed to evaluate the effectiveness of quality improvement systems in 276 hospitals across 8 European countries. As a member of the statistical analysis team, I was involved with developing the statistical analyses plan, data cleaning and editing, calculation of multivariate statistics (principal components, factor analysis), fitting multivariable regression models and scientific writing for 11 manuscripts.

June 2010-August 2010, Visiting Scholar, [Department of Epidemiology](#), **Medical University of Vienna**, Austria. Analysis of smoking and lung cancer trends in Austria.

January 2010-April 2010, Graduate Student Teaching Assistant, Department of Epidemiology, **University of California Los Angeles**.

August 2009-August 2011, Graduate Student Research Assistant (intermittent), Department of Epidemiology, **University of California Los Angeles**.

Pharmaceutical/Biotech Industry (2000-2008)

April 2007-August 2008, Senior Clinical Data Manager (Contract), **Fibrogen**, South San Francisco, CA
June 2006-April 2007, Senior Clinical Data Manager (Contract), **Cell Genesys**, South San Francisco, CA
January 2006-June 2006, Senior Clinical Data Manager (Contract), **Exelixis, Inc.** South San Francisco, CA
November 2004-October 2006, Clinical Data Manager, **Pfizer, Inc.** San Diego, CA
June 2002-November 2004, Clinical Data Manager, **Chugai Pharma USA**, San Diego, CA
January 2001-June 2002, Clinical Data Manager, **PAREXEL**, Research Triangle Park, NC
January 2000-December 2000, Clinical Data Coordinator (Contract), **Quintiles**, Research Triangle Park, NC

HONORS/AWARDS:

Loan Repayment Program, National Institutes of Health (2016-2018; 2018-2020)

12th Annual Benenson Distinguished Lecture Award, San Diego State University School of Public Health (2018)

Travel Award, Geographic Management of Cancer Health Disparities Program (GMaP) (2017)

Grants and Research Enterprise Writing Fellowship, San Diego State University (2017)

KL2 Career Development Award, UCSD Clinical and Translational Research Institute (2016-2019)

AcademyHealth Delivery Systems Science Fellowship (2013-2014)

Dean's Outstanding Graduating Student Award, UCLA Fielding School of Public Health (2013)

Delta Omega Honorary Society Award for Academic Excellence, Iota Chapter (2013)

Pre-Doctoral Fellowship in Cancer Epidemiology, NCI funded National Research Service Award (T32), Department of Epidemiology, University of California Los Angeles (2011-2013)

Academic Merit Award, Department of Epidemiology, University of California Los Angeles (2009-2010)

BIBLIOGRAPHY (* denotes student/mentee; ** denotes primary advisor to student/mentee on project):***Book chapters***

1. Gomez, Scarlett Lin, Meg A. McKinley, **Caroline A. Thompson**, Rita Leung, Iona Cheng, Anne Michelle Noone, Latha Palaniappan, Mark Cullen, Christina A. Clarke, Theresa H.M. Keegan, and Sally L. Glaser. Cancer incidence and mortality among Filipinos in the United States and the Philippines: Patterns and Trends. *Cancer Epidemiology Among Asian Americans*. 2016. Invited book chapter. Eds: Anna Wu, Dan Stram. Springer International Publishing: Switzerland.

Invited Commentary

1. Schernhammer, Eva S. and **Caroline A. Thompson**. [Light at night and health: the perils of rotating shift work](#). *Occup Environmental Medicine*. 2011 May;68(5):310-1. doi: 10.1136/oem.2010.058222. PubMed PMID: 20921271.

Refereed journal publications

1. Lam, Samuel*, Adam Sivitz, Alade Kiyetta, Stephanie Doniger, Mark Tessaro, Joni Rabiner, Alex Arroyo, Edward Castillo, **Caroline A. Thompson**, Mingan Yang, and Rakesh Mistry. Comparative Effectiveness of Emergency Ultrasound Guided Management of Pediatric Skin and Soft Tissue Infections. *Journal of Emergency Medicine*. IN PRESS. (Accepted July 11, 2018).
2. Thomas, Isaac*, **Caroline A. Thompson**, Mingan Yang, Matthew Allison, Forbang N, Micos E, McClelland R, Budoff M, and Michael Criqui. Thoracic Aorta Calcification and Non-Cardiovascular Disease Related Mortality: The Multi-Ethnic Study of Atherosclerosis. *Arteriosclerosis, Thrombosis and Vascular Biology*. IN PRESS. (Accepted June 4, 2018).
3. Bandoli, Gretchen, Kristen Palmsten, Christina D. Chambers, Leslie L. Jelliffe-Pawlowski, Rebecca J. Baer, and **Caroline A. Thompson**. [Revisiting the Table 2 Fallacy: A Motivating Example Examining Childhood Wheeze and Short Breast Feeding Duration](#). *Perinatal and Pediatric Epidemiology*. 2018 May 21. Doi: 10.1111/ppe.12474. [Epub ahead of print].
4. Afghahi, Anosheh, Natasha Purington, Summer S. Han, Manisha Desai, Emma Pierson, Maya B. Mathur, Tina Seto, **Caroline A. Thompson**, Joseph Rigdon, Melinda L. Telli, Sunil S. Badve, Christina N. Curtis, Robert B. West,

- Kathleen Horst, Scarlett L. Gomez, James M. Ford, George W. Sledge, Jr, and Allison W. Kurian. [Higher Peripheral Blood Lymphocyte Counts Predict Improved Survival from Early-Stage Triple-Negative Breast Cancer](#). Clinical Cancer Research. 2018 26 Mar. [Epub ahead of print].
5. **Thompson, Caroline A.**, Derek B. Boothroyd, Katherine G. Hastings, Mark R. Cullen, Latha P. Palaniappan, and David H. Rehkopf. [A multiple imputation "forward bridging" approach to address changes in Asian race classification on the U.S. death certificate](#). American Journal of Epidemiology. 2018 Feb 1;187(2):347-357.
 6. Low, Yen S., Aaron C. Daugherty, Elizabeth A. Schroeder, William Chen, Tina Seto, Susan Weber, Michael Lim, Trevor Hastie, Maya Mathur, Manisha Desai, Carl Farrington, Andrew A. Radin, Marina Sirota, Pragati Kenkare, **Caroline A. Thompson**, Peter P. Yu, Scarlett L. Gomez, George W. Sledge, Jr, Allison W. Kurian, and Nigam H. Shah. [Synergistic drug combinations from electronic health records and gene expression](#). Journal of the American Medical Informatics Association. 2017 May 1;24(3):565-576.
 7. **Thompson, Caroline A.**, Scarlett Lin Gomez, Katie G. Hastings, Kris Kapphahn, Peter P. Yu, Salma Shariff-Marco, Heather A. Bhatt, Heather A. Wakelee, Manali I. Patel, Mark R. Cullen, and Latha P. Palaniappan. [The Burden of Cancer in Asian Americans: A Report of National Mortality Trends by Asian Ethnicity](#). Cancer Epidemiology, Biomarkers, and Prevention. 2016 Oct;25(10):1371-1382. PubMed PMID: 27694108; PubMed Central PMCID: PMC5218595.
 8. Lesser, Lenard I, **Caroline A. Thompson**, and Harold S. Luft. [Association Between Monetary Deposits and Weight Loss in Online Commitment Contracts](#). American Journal of Health Promotion. 2016 Aug 8. pii: 0890117116661157. [Epub ahead of print] PubMed PMID: 27502832.
 9. Afghahi, Anosheh, Maya Mathur, **Caroline A. Thompson**, Aya Mitani, Joseph Rigdon, Manisha Desai, Peter P. Yu, Monique A. de Bruin, Tina Seto, Cliff Olson, Pragati Kenkare, Scarlett Lin Gomez, Amar K. Das, Harold S. Luft, George W. Sledge, Jr, Amy P. Sing, and Allison W. Kurian. [Use of Gene Expression Profiling and Chemotherapy in Early-Stage Breast Cancer: A Study of Linked Electronic Medical Records, Cancer Registry Data, and Genomic Data Across Two Health Care Systems](#). Journal of Oncology Practice. 2016 Jun;12(6):e697-709. doi: 10.1200/JOP.2015.009803. PubMed PMID: 27221993; PubMed Central PMCID: PMC4957259.
 10. Chan, John K, Austin B. Gardner, **Caroline A. Thompson**, and Daniel S. Kapp. [The use of clinical characteristics to help prevent morcellation of leiomyosarcoma: An analysis of 491 cases](#). American Journal of Obstetrics and Gynecology. 2015 Dec;213(6):873-4. doi: 10.1016/j.ajog.2015.07.040. PubMed PMID: 26226552.
 11. Kristensen, Solvejg, Antje Hammer, Paul Bartels, Rosa Suñol, Oliver Groene, **Caroline A. Thompson**, Onyebuchi A. Arah, Halina Kutaj-Wasikowska, Philippe Michel, Cordula Wagner; DUQuE Project Consortium. [Quality management and perceptions of teamwork and safety climate in European hospitals](#). International Journal for Quality in Health Care. 2015 Dec;27(6):499-506. doi: 10.1093/intqhc/mzv079. PubMed PMID: 26443813.
 12. Suñol, Rosa, Cordula Wagner, Onyebuchi A. Arah, Solvejg Kristensen, Holger Pfaff, Niek Klazinga, **Caroline A. Thompson**, Aolin Wang, Maral DerSarkissian, Paul Bartels, Philippe Michel, Oliver Groene; DUQuE Project Consortium. [Implementation of Departmental Quality Strategies Is Positively Associated with Clinical Practice: Results of a Multicenter Study in 73 Hospitals in 7 European Countries](#). PLOS One. 2015 Nov 20;10(11):e0141157. doi: 10.1371/journal.pone.0141157. PubMed PMID: 26588842; PubMed Central PMCID: PMC4654525.
 13. Chan, John K, Austin B. Gardner, Katie Taylor, **Caroline A. Thompson**, Kevin Blansit, Xinhua Yu, and Daniel S. Kapp. [Robotic versus laparoscopic versus open surgery in morbidly obese endometrial cancer patients - a comparative analysis of total charges and complication rates](#). Gynecologic Oncology. 2015 Nov;139(2):300-5. doi: 10.1016/j.ygyno.2015.09.006. PubMed PMID: 26363212.
 14. Groene, Oliver, Onyebuchi A. Arah, Niek Klazinga, Cordula Wagner, Paul D. Bartels, Solvejg Kristensen, Saillour F, Andrew Thompson, **Caroline A. Thompson**, Holger Pfaff, Maral DerSarkissian, Rosa Suñol; DUQuE Project Consortium. [Patient Experience Shows Little Relationship with Hospital Quality Management Strategies](#). PLOS One. 2015 Jul 7;10(7):e0131805. doi: 10.1371/journal.pone.0131805. PubMed PMID: 26151864; PubMed Central PMCID: PMC4494712.

15. Chan, John K, Austin B. Gardner, Katie Taylor, Kevin Blansit, **Caroline A. Thompson**, Rebecca Brooks, Xinhua Yu, and Daniel S. Kapp. [The centralization of robotic surgery in high-volume centers for endometrial cancer patients--a study of 6560 cases in the U.S.](#) Gynecologic Oncology. 2015 Jul;138(1):128-32. doi: 10.1016/j.ygyno.2015.04.031. PubMed PMID: 25933680.
16. Kringos, Dionne S., Rosa Suñol, Cordula Wagner, Russell Mannion, Philippe Michel, Niek S. Klazinga, Oliver Groene; **DUQuE Project Consortium**. [The influence of context on the effectiveness of hospital quality improvement strategies: a review of systematic reviews.](#) BMC Health Services Research. 2015 Jul 22;15:277. doi 10.1186/s12913-015-0906-0. PubMed PMID: 26199147. PubMed Central PMCID: PMC4508989.
17. Hastings, Katie G., Powell O. Jose, Kristopher I. Kapphahn, Ariel T.H. Frank, Benjamin A. Goldstein, **Caroline A. Thompson**, Karen Eggleston, Mark R. Cullen, and Latha P. Palaniappan. [Leading Causes of Death among Asian American Subgroups \(2003-2011\).](#) PLOS One. 2015 Apr 27;10(4):e0124341. doi: 10.1371/journal.pone.0124341. PubMed PMID: 25915940; PubMed Central PMCID: PMC4411112.
18. **Thompson, Caroline A.**, Allison W. Kurian, and Harold S. Luft. [Linking electronic health records to better understand breast cancer patient pathways within and between two health systems.](#) EGEMS (Wash DC). 2015 Mar 4;3(1):1127. doi: 10.13063/2327-9214.1127. PubMed PMID: 25992389; PubMed Central PMCID: PMC4435001.
19. **Thompson, Caroline A.**, Scarlett Lin Gomez, Chan A, Chan, John K, Sean R. McClellan, Sukyung Chung, Cliff Olson, Vani Nimbale, and Latha P. Palaniappan. [Patient and provider characteristics associated with colorectal, breast, and cervical cancer screening among Asian Americans.](#) Cancer Epidemiology, Biomarkers and Prevention. 2014 Nov;23(11):2208-17. doi: 10.1158/1055-9965.EPI-14-0487. PubMed PMID: 25368396; PubMed Central PMCID: PMC4221799.
20. **Thompson, Caroline A.**, Onyebuchi A. Arah. [Selection bias modeling using observed data augmented with imputed record-level probabilities.](#) Annals of Epidemiology. 2014 Oct;24(10):747-53. doi: 10.1016/j.annepidem.2014.07.014. PubMed PMID: 25175700; PubMed Central PMCID: PMC4259547.
21. Lombarts, Kiki M.J.M.H, Thomas Plochg, **Caroline A. Thompson**, Onyebuchi A. Arah, and on behalf of the DUQuE Consortium. [Measuring professionalism in medicine and nursing: results of a European survey.](#) PLOS One. 2014 May 21;9(5):e97069. doi: 10.1371/journal.pone.0097069. PubMed PMID: 24849320; PubMed Central PMCID: PMC4029578.
22. Botje, Daan, Niek Klazinga, Rosa Suñol, Oliver Groene, Holger Pfaff, Russell Mannion, Depaigne-Loth A, Onyebuchi A. Arah, Maral DerSarkissian, Cordula Wagner; **DUQuE Project Consortium**. [Is having quality as an item on the executive board agenda associated with the implementation of quality management systems in European hospitals: a quantitative analysis.](#) International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:92-9. doi: 10.1093/intqhc/mzu017. PubMed PMID: 24550260; PubMed Central PMCID: PMC4001687.
23. Shaw, Charles D., Oliver Groene, Daan Botje, Rosa Suñol, Basia Kutryba, Niek Klazinga, Charles Bruneau, Antje Hammer, Aolin Wang, Onyebuchi A. Arah, Cordula Wagner; **DUQuE Project Consortium**. [The effect of certification and accreditation on quality management in 4 clinical services in 73 European hospitals.](#) International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:100-7. doi: 10.1093/intqhc/mzu023. PubMed PMID: 24615598; PubMed Central PMCID: PMC4001697.
24. Groene, Oliver, Rosa Suñol; **DUQuE Project Consortium**. [The investigators reflect: what we have learned from the Deepening our Understanding of Quality Improvement in Europe \(DUQuE\) study.](#) International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:2-4. doi: 10.1093/intqhc/mzu024. PubMed PMID: 24643959; PubMed Central PMCID: PMC4001690.
25. Wagner, Cordula, Russell Mannion, Antje Hammer, Oliver Groene, Onyebuchi A. Arah, Maral DerSarkissian, Rosa Suñol; **DUQuE Project Consortium**. [The associations between organizational culture, organizational structure and quality management in European hospitals.](#) International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:74-80. doi: 10.1093/intqhc/mzu027. PubMed PMID: 24671119; PubMed Central PMCID: PMC4001695.

26. Secanell, Mariona, Oliver Groene, Onyebuchi A. Arah, Maria Andree Lopez, Basia Kutryba, Holger Pfaff, Niek Klazinga, Cordula Wagner, Solvejg Kristensen, Paul Bartels, Pascal Garel, Charles Bruneau, Ana Escoval, Margarida França, Nuria Mora, Rosa Suñol; **DUQuE Project Consortium**. [Deepening our understanding of quality improvement in Europe \(DUQuE\): overview of a study of hospital quality management in seven countries](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:5-15. doi: 10.1093/intqhc/mzu025. PubMed PMID: 24671120; PubMed Central PMCID: PMC4001699.
27. Wagner, Cordula, Oliver Groene, Maral DerSarkissian, **Caroline A. Thompson**, Niek S. Klazinga, Onyebuchi A. Arah, Rosa Suñol; DUQuE Project Consortium. [The use of on-site visits to assess compliance and implementation of quality management at hospital level](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:27-35. doi: 10.1093/intqhc/mzu026. PubMed PMID: 24671121; PubMed Central PMCID: PMC4001692.
28. Wagner, Cordula, **Caroline A. Thompson**, Onyebuchi A. Arah, Oliver Groene, Niek Klazinga, Maral DerSarkissian, Rosa Suñol; DUQuE Project Consortium. [A checklist for patient safety rounds at the care pathway level](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:36-46. doi: 10.1093/intqhc/mzu019. PubMed PMID: 24615594; PubMed Central PMCID: PMC4001694.
29. Plochg, Thomas, Onyebuchi A. Arah, Daan Botje, **Caroline A. Thompson**, Niek S. Klazinga, Cordula Wagner, Russell Mannion, Kiki M.J.M.H Lombarts; DUQuE Project Consortium. [Measuring clinical management by physicians and nurses in European hospitals: development and validation of two scales](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:56-65. doi: 10.1093/intqhc/mzu014. PubMed PMID: 24615595; PubMed Central PMCID: PMC4001689.
30. Wagner, Cordula, Oliver Groene, **Caroline A. Thompson**, Maral DerSarkissian, Niek S. Klazinga, Onyebuchi A. Arah, Rosa Suñol; DUQuE Project Consortium. [DUQuE quality management measures: associations between quality management at hospital and pathway levels](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:66-73. doi: 10.1093/intqhc/mzu020. PubMed PMID: 24615597; PubMed Central PMCID: PMC4001696.
31. Suñol, Rosa, Cordula Wagner, Onyebuchi A. Arah, Charles D. Shaw, Solvejg Kristensen, **Caroline A. Thompson**, Maral DerSarkissian, Paul D. Bartels, Holger Pfaff, Mariona Secanell, Nuria Mora, Frantisek Vitek, Halina Kutaj-Wasikowska, Basia Kutryba, Philippe Michel, Oliver Groene; DUQuE Project Consortium. [Evidence-based organization and patient safety strategies in European hospitals](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:47-55. doi: 10.1093/intqhc/mzu016. PubMed PMID: 24578501; PubMed Central PMCID: PMC4001691.
32. Groene, Oliver, Rosa Suñol, Niek Klazinga, Aolin Wang, Maral DerSarkissian, **Caroline A. Thompson**, Andrew Thompson, Onyebuchi A. Arah; DUQuE Project Consortium. [Involvement of patients or their representatives in quality management functions in EU hospitals: implementation and impact on patient-centered care strategies](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:81-91. doi: 10.1093/intqhc/mzu022. PubMed PMID: 24615596; PubMed Central PMCID: PMC4001693.
33. Groene, Oliver, Solvejg Kristensen, Onyebuchi A. Arah, **Caroline A. Thompson**, Paul Bartels, Rosa Suñol, Niek Klazinga; DUQuE Project Consortium. [Feasibility of using administrative data to compare hospital performance in the EU](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:108-15. doi: 10.1093/intqhc/mzu015. PubMed PMID: 24554645; PubMed Central PMCID: PMC4001688.
34. Wagner, Cordula, Oliver Groene, **Caroline A. Thompson**, Niek Klazinga, Maral DerSarkissian, Onyebuchi A. Arah, Rosa Suñol; DUQuE Project Consortium. [Development and validation of an index to assess hospital quality management systems](#). International Journal for Quality in Health Care. 2014 Apr;26 Suppl 1:16-26. doi: 10.1093/intqhc/mzu021. PubMed PMID: 24618212; PubMed Central PMCID: PMC4001698.
35. Hammer, Antje, Onyebuchi A. Arah, Maral DerSarkissian, **Caroline A. Thompson**, Russell Mannion, Cordula Wagner, Ommen O, Rosa Suñol, Holger Pfaff; DUQuE Project Consortium. [The relationship between social capital and quality management systems in European hospitals: a quantitative study](#). PLOS One. 2013 Dec 31;8(12):e85662. doi: 10.1371/journal.pone.0085662. PubMed PMID: 24392027; PubMed Central PMCID: PMC3877377.

36. DerSarkissian, Maral, **Caroline A. Thompson**, and Onyebuchi A. Arah. [Time series analysis of maternal mortality in Africa from 1990 to 2005](#). Journal of Epidemiology and Community Health. 2013 Dec 1;67(12):992-8. doi: 10.1136/jech-2013-202565. PubMed PMID: 23851148; PubMed Central PMCID: PMC4689199.
37. van der Kooi, Anne L. F., Karien Stronks, **Caroline A. Thompson**, Maral DerSarkissian, and Onyebuchi A. Arah. [The modifying influence of country development on the effect of individual educational attainment on self-rated health](#). American Journal of Public Health. 2013 Nov;103(11):e49-54. doi: 10.2105/AJPH.2013.301593. PubMed PMID: 24028233; PubMed Central PMCID: PMC3828725.
38. **Thompson, Caroline A.**, Zuo-Feng Zhang, and Onyebuchi A. Arah. [Competing risk bias to explain the inverse relationship between smoking and malignant melanoma](#). European Journal of Epidemiology. 2013 Jul;28(7):557-67. doi: 10.1007/s10654-013-9812-0. PubMed PMID: 23700026; PubMed Central PMCID: PMC3864891.
39. **Thompson, Caroline A.**, Thomas Waldhör, Eva S. Schernhammer, Monika Hackl, Christian Vutuc, and Gerald Haidinger. [Smoking and lung cancer: current trends in Austria](#). Wiener klinische Wochenschrift. 2012 Aug;124(15-16):493-9. PubMed PMID: 22815002; PubMed Central PMCID: PMC3782091.

Doctoral dissertation

Thompson, Caroline A. Multiple bias modeling in a multi-center epidemiologic study of endometrial cancer. 2013. Available from ProQuest Dissertations & Theses Global. (1412729897).

Refereed oral presentations (underline indicates that the oral presentation was given by Dr. Thompson)

1. Jin, Chawoo*, Atsushi Nara, Ming-Hsiang Tsou, Joseph Gibbons, James Murphy, and **Caroline A. Thompson**. "Identifying Geographic Disparities in Breast Cancer Mortality in California". (Accepted). American Public Health Association 2018 Annual Meeting; Section for Geospatial Patterns and Spatial Analysis, November 13, 2018.
2. Benmarhnia, Tarik, **Caroline A. Thompson**, and Jay S. Kaufman. "The Balanced Case-Crossover Design". Society for Epidemiologic Research 51st Annual Meeting, Baltimore, MD, June 21, 2018.
3. Obrochta, Chelsea**, and **Caroline A. Thompson**. "Addressing Missingness in the California Cancer Registry in the Form of Incomplete Dates." SERdigital: Application of Novel Epidemiologic Methods in Student Research; Webinar, November 10, 2017.
4. **Thompson, Caroline A.**, Daphne Lichtensztajn, Anqi Jin, Harold S. Luft, and Scarlett Lin Gomez. "Are Electronic Health Records Useful for Supplementing National Cancer Registry Data?" 2017 Health Care Systems Research Network Meeting. San Diego, CA. March 21, 2017.
5. Ming-Hsiang Tsou, Han SY, Atsushi Nara, Joseph Gibbons, **Caroline A. Thompson**. "An Interactive Web Mapping Tool for Visualizing Cancer Disparities with Socioeconomic Variables". National Cancer Institute Conference on Geospatial Approaches to Cancer Control and Population Sciences. Bethesda, MD. September 13, 2016.
6. Rendle KR, **Caroline A. Thompson**, Ahern J, Bauer H, Wilson S. "Changes in Adolescent HPV Vaccination following Incorporation into California's Pay-for-Performance Program." 2016 Health Care System Research Network (HCSRN) Conference. Atlanta, GA. April 15, 2016.
7. Afghahi A, Mathur M, Tina Seto, Manisha Desai, Cliff Olson, Pragati Kenkare, Kathleen Horst, Amar K. Das, **Caroline A. Thompson**, Harold S. Luft, Peter P. Yu, Scarlett Lin Gomez, Yen S. Low, Nigam Shah, Allison W. Kurian, and George Sledge. "Lymphopenia after adjuvant radiotherapy (RT) predicts poor survival in triple-negative breast cancer." American Society of Clinical Oncology Annual Meeting, Chicago, IL. May 30, 2015.
8. **Thompson, Caroline A.** and Harold S. Luft. "Characterizing longitudinal patterns of breast cancer care." 2015 HMO Research Network Conference, Long Beach, CA. March 12, 2015.

9. **Thompson, Caroline A.** and Harold S. Luft. "Linked electronic medical records to better understand cancer patient journeys within and between two care delivery systems." 2014 AcademyHealth Annual Research Meeting, San Diego, CA. June 9, 2014.
10. **Thompson, Caroline A.** and Harold S. Luft. "Linked electronic medical records to better understand cancer patient journeys within and between two care delivery systems." 4th Annual Electronic Data Methods (EDM) Forum Stakeholder Symposium, San Diego, CA. June 7, 2014.
11. **Thompson, Caroline A.** and Onyebuchi A. Arah. "A Novel Technique for Analysis of Uncontrolled Confounding in Non-Experimental Comparative Effectiveness Research." Presented at the 20th Annual HMO Research Network Conference, Phoenix, AZ. April 2, 2014.
12. **Thompson, Caroline A.** and Harold S. Luft. "Linking Electronic Health Records Across Institutions to Understand Why Women Seek Care at Multiple Sites for Breast Cancer." Presented at the 20th Annual HMO Research Network Conference, Phoenix, AZ. March 31, 2014.
13. Pfaff, Holger, Onyebuchi A. Arah, Ommen A, **Caroline A. Thompson**, Maral DerSarkissian, Russell Mannion, Cordula Wagner, Rosa Suñol, Antje Hammer. "Social capital and quality management systems in European hospitals: The DUQuE Project." Presented at the 38th World Hospital Congress. Oslo, Norway. June 20, 2013.
14. **Thompson, Caroline A.**, Zuo-Feng Zhang, V. Wendy Setiawan, and Onyebuchi A. Arah. "Handling uncontrolled confounding in the comparative effectiveness research of cancer." Annual Research Meeting for AcademyHealth. Walt Disney World, Florida. June 25, 2012.
15. DerSarkissian, Maral, **Caroline A. Thompson**, and Onyebuchi A. Arah. "Time series analysis of maternal mortality ratios in Africa: monitoring the fifth millennium development goal." Annual Research Meeting for AcademyHealth. Walt Disney World, Florida. June 24, 2012.
16. **Thompson, Caroline A.**, Zuo-Feng Zhang, and Onyebuchi A. Arah. "Competing risk bias to explain the inverse relationship between smoking and melanoma." Presented at the 3rd North American Congress for Epidemiology. Montreal, Canada. June 22, 2011.
17. Witvliet, Margot, Kunst A, Karien Stronks, Tanmay Mahapatra, **Caroline A. Thompson**, and Onyebuchi A. Arah. "What's politics got to do with global healthcare? A multilevel examination of individual-patient reports of health system responsiveness in 45 low, middle and high income countries." Presented at the International Epidemiology Association XIX World Congress of Epidemiology. Edinburgh, Scotland. August 8, 2011.
18. Oh, Samuel S., **Caroline A. Thompson**, Zi-Yi Jin, Shen-Chih Chang, Sander Greenland, Leeka Kheifets, Yuan-Chin AL, Jenny T. Mao, Hal Morgenstern, Sungshim L. Park, Jianyu Rao, Donald P. Tashkin, Nai-Chieh Y. You, and Zuo-Feng Zhang. "Correlates of lung cancer survival: inflammatory single nucleotide polymorphisms and tumor biomarker expression." Presented at the 35th Annual Meeting of the American Society for Preventive Oncology. Las Vegas, Nevada. March 22, 2011.

Refereed poster presentations (underline indicates that the poster was presented by Dr. Thompson)

1. Zamora, Steven**, Paulo S. Pinheiro, Scarlett Lin Gomez, Katherine G. Hastings, Latha P. Palaniappan, Jiaqi Hu, **Caroline A. Thompson**. "Disaggregating Cancer Mortality Burden by Hispanic Ethnicity". (Accepted). American Public Health Association 2018 Annual Meeting; November 10-14, 2018.
2. Gibbons, Joseph, and Caroline A. Thompson. "A Nationally Representative Study of the Impact of Neighborhood Racial Composition and Segregation on Breast Cancer Screening Rates among Black Women". (Accepted). American Public Health Association 2018 Annual Meeting; November 10-14, 2018.

3. Obrochta, Chelsea**, James Murphy, Ming-Hsiang Tsou, and **Caroline A. Thompson**. "Ethnic Disparities in the Receipt of Guideline Concordant Treatment in Colorectal Cancer Patients, with Causal Mediation Analysis." (Accepted). American Public Health Association 2018 Annual Meeting; November 10-14, 2018.
4. Obrochta, Chelsea**, James Murphy, Ming-Hsiang Tsou, and **Caroline A. Thompson**. "Ethnic Disparities in the Receipt of Guideline Concordant Treatment in Colorectal Cancer Patients, with Causal Mediation Analysis." Society for Epidemiologic Research 51st Annual Meeting, Baltimore, MD, June 19, 2018.
****BEST STUDENT POSTER AWARD**
5. San Miguel, Yazmin*, Li Tao, Scarlett Lin Gomez, Ian Komenaka, Richard Schwab, **Caroline A. Thompson**, Jesse Nodora, James Murphy, and Maria Elena Martinez. "Differences in Survival for Older Compared to Younger Female Breast Cancer Patients in the California Cancer Registry by Race/Ethnicity, Insurance, Socioeconomic Status, and Tumor Subtype". 10th American Association for Cancer Research Conference: The Science of Cancer Health Disparities, Atlanta, GA, September 27, 2017.
6. DeRouen, Mindy C., Salma Shariff-Marco, Daphne Lichtensztajn, Anqi Jin, Daide Y, Canchola AJ, Li Y, Jain J, Hertz A, Allen L, Nie S, Celeste Wong, Robert Haile, Manali I Patel, Nelson D, Reynolds P, Heather A. Wakelee, Harold S. Luft, **Caroline A. Thompson**, Beth E. Waitzfelder, Iona Cheng, and Scarlett Lin Gomez. "Lung cancer incidence and risk factors in never-smoking Asian American, Native Hawaiian, and Pacific Islander women: the development of a multilevel integrated dataset of electronic health record, cancer registry, and environmental data". 10th American Association for Cancer Research Conference: The Science of Cancer Health Disparities, Atlanta, GA, September 27, 2017.
7. Gholizadeh, Shadi*, **Caroline A. Thompson**, Vanessa L. Malcarne, Autumn Backhaus, and Niloofar Afari. "General and mental health service connection in Post 9/11 veterans." 38th Annual Meeting for the Society of Behavioral Medicine. San Diego, CA. March 30, 2017.
8. Jin, Anqi**, Scarlett Lin Gomez, Harold S. Luft, Daphne Lichtensztajn, **Caroline A. Thompson**. "External validity of electronic health records of cancer patients". 2017 Health Care Systems Research Network Meeting. San Diego, CA. March 21, 2017.
9. Tao, Li, Scarlett Lin Gomez, **Caroline A. Thompson**, Ming-Hsiang Tsou, Joseph Gibbons, Jesse N. Nodora, Ian Komenaka, Richard Schwab, Jonathan Unkart, James Murphy, and Maria Elena Martinez. "Mortality Differences in Younger and Older Breast Cancer Patients according to Insurance, Race/Ethnicity, and Neighborhood Socioeconomic Status in the California Cancer Registry." 9th American Association for Cancer Research Conference: The Science of Cancer Health Disparities. Ft Lauderdale, FL. September 27, 2016.
10. Ilango, Sindana**, Katy Torres**, Vaishali Doshi**, Chelsea Obrochta**, Ming-Hsiang Tsou, Atsushi Nara, Joseph Gibbons, Su Y. Han, Salma Shariff-Marco, Scarlett Lin Gomez, **Caroline A. Thompson**. "A systematic review of research utilizing geospatial analytic approaches to describe and understand the burden of screening-detectable cancers in the United States". National Cancer Institute Conference on Geospatial Approaches to Cancer Control and Population Sciences. Bethesda, MD. September, 14 2016.
11. **Thompson, Caroline A.** "Bias due to "missing data" in epidemiologic research using electronic health records." 2016 Epidemiology Congress of the Americas Meeting, Miami, FL. June 23, 2016
12. Rai, Asish, Su-Ying Liang, **Caroline A. Thompson**, and Harold S. Luft. "Restructuring Oncology Payments: Estimates of Resource Use by Phases of Oncology Care in Breast Cancer Patients". 2016 Health Care System Research Network (HCSRN) Conference. Atlanta, GA. April 15, 2016.
13. Rai, Ashish, **Caroline A. Thompson**, Allison W. Kurian, and Harold S. Luft. "Determinants of Patient Choice of Health Care Providers for Breast Cancer Treatment." 2016 Health Care System Research Network (HCSRN) Conference. Atlanta, GA. April 15, 2016.

14. Rai, Ashish, Su-Ying Liang, **Caroline A. Thompson**, and Harold S. Luft. "Restructuring Oncology Payments: Estimates of Resource Use by Phases of Oncology Care in Breast Cancer Patients". 2016 Health Care System Research Network (HCSRN) Conference. Atlanta, GA. April 15, 2016.
15. Rendle, Katherine R., **Caroline A. Thompson**, Jennifer Ahern, Bauer H, and Sandra Wilson. "Changes in Adolescent HPV Vaccination following Incorporation into California's Pay-for-Performance Program." 2016 Health Care System Research Network (HCSRN) Conference. Atlanta, GA. April 15, 2016.
16. **Thompson, Caroline A.**, Derek B. Boothroyd, Katherine G. Hastings, Mark R. Cullen, Latha P. Palaniappan, and David H. Rehkopf . "A missing data approach for the calculation of U.S. national mortality statistics by disaggregated Asian ethnicity over time." Annual meeting for the Society for Epidemiologic Research, Denver, CO. June 15, 2015.
17. **Thompson, Caroline A.** and Harold S. Luft. "Relationship between prior false positive mammograms and choice of contralateral prophylactic mastectomy in early stage breast cancer treatment." Annual Research Meeting for AcademyHealth, Minneapolis, MN. June 14, 2015.
18. **Thompson, Caroline A.** and Onyebuchi A. Arah. "Using DAGs to guide the translation of priors for record-level analysis of bias due to unmeasured confounding." Annual Society for Epidemiologic Research Meeting. Minneapolis, MN. June 28, 2012.
19. **Thompson, Caroline A.**, V. Wendy Setiawan, Zuo-Feng Zhang, and Onyebuchi A. Arah. "Record-level bias analysis for uncontrolled confounding in cancer pooling projects with multiple investigators." Annual Society for Epidemiologic Research Meeting. Minneapolis, MN. June 27, 2012.
20. **Thompson, Caroline A.**, Maral DerSarkissian, Karien Stronks, and Onyebuchi A. Arah. "Global health spending and non-communicable disease co-occurrence." Annual Research Meeting for AcademyHealth. Walt Disney World, Florida. June 24, 2012.
21. Arah, Onyebuchi A. and **Caroline A. Thompson**. "Global impact of different health states on self-assessed general health among individuals in 68 countries." 3rd North American Congress for Epidemiology. Montreal, Canada. June 23, 2011.

Invited, oral presentations to external audiences (all presented by Dr. Thompson)

1. **Thompson, Caroline A.** "The Sutter Health System Wide Cancer Registry Linkage: A Case Study on Obtaining Gold Standard Data". San Diego Epidemiology Exchange, San Diego, CA, April 28, 2018.
2. **Thompson, Caroline A.** "Ethnicity-specific cancer disparities in Hispanic- and Asian-Americans." UCSD Moores Cancer Center Scientific Retreat, San Diego, CA, October 31, 2017.
3. **Thompson, Caroline A.** "Use of registry-linked electronic health records to study screening uptake and downstream effects of false positive mammograms in a large Northern California health care system." Cancer Communication and Screening Seminar Series, Research Department of Behavioural Science and Health, University College London, London, UK, July 13, 2017.
4. **Thompson, Caroline A.** "Electronic health care record linkage enhancement of cancer registration records in Northern California: Lessons from an NCI-funded special study." National Cancer Registration and Analysis Service Internal Seminar Series, Public Health England, London, UK, July 12, 2017.
5. **Thompson, Caroline A.** "Generalizability of quantitative research using electronic health care data." SDSU Department of Geography Research Colloquium Series, San Diego, CA, April 14, 2017.

6. **Thompson, Caroline A.** "Visualizing socioeconomic and racial disparities in the burden of screening detectable cancers using GIS and web mapping tools." SDSU/UCSD Cancer Center Partnership Retreat, UCSD Moores Cancer Center, San Diego, CA, September 2, 2016.
7. **Thompson, Caroline A.** "New Faculty Presentation by Caroline Thompson, PhD, MPH - A cancer epidemiologist who specializes in methods research for the use of "big data" from health services sources." Women's Health Center of Excellence, UCSD Department of Family and Preventive Medicine, San Diego, CA, March 24, 2016.
8. **Thompson, Caroline A.** "Competing risk bias to explain unexpected inverse associations – with examples from cancer and reproductive epidemiology." Statistics and Methods Seminar Series, UCSD Department of Pediatrics, San Diego, CA, January 25, 2016.
9. **Thompson, Caroline A.** "Linked electronic health records to study cancer prevention and treatment: opportunities and challenges." Human Dynamics in the Mobile Age Summer Specialist Meeting, San Diego, CA, August 12, 2015.
10. **Thompson, Caroline A.** "Linked electronic health records to study cancer prevention and treatment: opportunities and challenges." San Diego State University School of Public Health, San Diego, CA, February 18, 2015.
11. **Thompson, Caroline A.** "Linked electronic health records to study cancer prevention and treatment: opportunities and challenges." Cancer Prevention Institute of California, Fremont, CA, June 23, 2014.
12. **Thompson, Caroline A.** "Linked electronic health records to study cancer prevention and treatment: opportunities and challenges." UCLA Fielding School of Public Health, Los Angeles, CA, April 22, 2014.
13. **Thompson, Caroline A.** "False positive mammograms and the use of contralateral prophylactic mastectomy in early stage invasive breast cancer treatment" Research Symposium, Palo Alto Medical Foundation Research Institute, Palo Alto, CA, February 24, 2014.
14. **Thompson, Caroline A.** "Patterns and predictors of facility and treatment decisions in the breast cancer episode." Research symposium, Palo Alto Medical Foundation Research Institute, Palo Alto, CA, October 28, 2013.
15. **Thompson, Caroline A.** "Quantitative bias modelling via data augmentation." Colloquium at the Brown University Center for Gerontology and Healthcare Research, Providence, RI, April 15, 2013.
16. **Thompson, Caroline A.** "Sensitivity analyses of the DUQuE (Deepening our Understanding of Quality improvement in European hospitals) project findings." DUQuE Final Conference, Berlin, Germany, December 17, 2012.

Press coverage of my work

1. "Cancer Mortality Differs Among Asian Ethnic Subgroups" – Reported by TIME, American Association of Cancer Research, and SDSU News Center on September 30, 2016.
2. "Digging into Data Show's Cancer's Effects on Ethnic Groups" – Reported by the American Association of Cancer Research on February 23, 2017.

TEACHING ACTIVITIES:

Course Director

March 2018-June 2018. Family Medicine and Public Health (Epidemiology) 291 "Advanced Epidemiology Methods and Causal Inference" (graduate course, 10 students, Co-taught with Tarik Benmarhnia), **University of California San Diego**

January 2018-May 2018. Public Health (Epidemiology) 824 "Design of Cohort Studies" (graduate course, 7 students), **San Diego State University**

August 2017-December 2017. Public Health (Epidemiology) 823 "Design of Case-Control Studies" (graduate course, 7 students), **San Diego State University**

January 2017-May 2017. Public Health (Epidemiology) 824 "Design of Cohort Studies" (graduate course, 10 students), **San Diego State University**

August 2016-December 2016. Public Health (Epidemiology) 823 "Design of Case-Control Studies" (graduate course, 12 students), **San Diego State University**

January 2016-May 2016. Public Health (Epidemiology) 824 "Design of Cohort Studies" (graduate course, 8 students), **San Diego State University**

August 2015-December 2015. Public Health (Epidemiology) 823 "Design of Case-Control Studies" (graduate course, 10 students), **San Diego State University**

June 2014-August 2014. Clinical Trials Design and Management 2345 "Clinical Statistics for Non-Statisticians" (continuing education course, 14 students), **University of California Santa Cruz Extension**, Santa Clara, CA.

January 2015-March 2015. Clinical Trials Design and Management 2345 "Clinical Statistics for Non-Statisticians" (continuing education course, 17 students), **University of California Santa Cruz Extension**, Santa Clara, CA.

Guest lectures and seminars

April 2018. "Introduction to Causal Diagrams" as part of *Advanced Epidemiology Methods* (PH627; course directed by Shaffer), **San Diego State University**

February 2018. "Analytical Techniques for Life Course Research", as part of *Life Course Epidemiology* (FMPH 291; directed by Chambers & LaCroix), **University of California San Diego**

December 2017. "Sensitivity Analysis in Epidemiology" as part of *Epidemiology Practicum* (course directed by LaCroix and Laughlin), **University of California San Diego**

October 2017. "Introduction to Causal Diagrams" as part of *Epidemiology Capstone* (PH700; course directed by Lemus), **San Diego State University**

April 2017. "Introduction to Causal Diagrams" as part of *Advanced Epidemiology Methods* (PH627; course directed by Shaffer), **San Diego State University**

March 2017. "Electronic Health Records for Population Health Research", as part of *Behavioral Measurement* (course directed by Calzo), **San Diego State University**

January 2017. "Analytical Techniques for Life Course Research", as part of *Life Course Epidemiology* (FMPH 291; directed by Chambers & LaCroix), **University of California San Diego**

Journal Club

January 2017-June 2017. Causal Inference Journal Club, co-leader with Tarik Benmarhnia, PhD, **University of California San Diego**

Teaching assistant

January 2010-March 2010. Epidemiology 100 "Introduction to Epidemiology" (graduate course, 75 students), **University of California Los Angeles**

August 1999-December 1999, Biology 101L "Introductory Biology Laboratory" (undergraduate laboratory course, 25 students), **University of North Carolina at Chapel Hill**

January 1999-May 1999, Biology 101L "Introductory Biology Laboratory" (undergraduate laboratory course, 25 students), **University of North Carolina at Chapel Hill**

August 1998-December 1998, Biology 101L "Introductory Biology Laboratory" (undergraduate laboratory course, 25 students), **University of North Carolina at Chapel Hill**

Mentoring/advising: Postdoctoral Fellows

- Anqi Jin, PhD, Palo Alto Medical Foundation Research Institute, 2016-2017. Current position: Quantitative Analyst, Sutter Health Research Institute
- Ashish Rai, PhD, Palo Alto Medical Foundation Research Institute, 2016-2017. Current position: Director, Outcomes Research, American Cancer Society

Mentoring/advising: PhD dissertation committee member

- Chanwoo Jin, SDSU-UCSB Joint Doctoral Program in Geography; Title TBD, in progress.
- Sindana Ilango, SDSU-UCSD Joint Doctoral Program in Epidemiology; Title TBD, in progress.
- Pedro Kramer, SDSU-UCSD Joint Doctoral Program in Epidemiology; Title TBD, in progress.
- Toni Rush, SDSU-UCSD Joint Doctoral Program in Epidemiology; Title TBD, in progress.
- Sandahl Nelson, SDSU-UCSD Joint Doctoral Program in Epidemiology; *Physical activity measurement in breast cancer survivors: Methodological issues, solutions and applications*, in progress.
- Alyson Cavanaugh, SDSU-UCSD Joint Doctoral Program in Epidemiology; *Racial/Ethnic Disparities in Utilization of and Functional Outcomes following Total Joint Arthroplasty*, in progress.

Mentoring/advising: Masters paper chair

- Lara Schwarz, MPH in Epidemiology, San Diego State University
- Megan Web-Morgan, MPH in Epidemiology, San Diego State University; graduated May 2018
- Steven Zamora, MPH in Epidemiology, San Diego State University; graduated May 2018
- Chelsea Obrochta, MPH in Epidemiology, San Diego State University; graduated May 2017
- Osika Tripathi, MPH in Epidemiology, San Diego State University; graduated May 2017

Mentoring advising: Masters paper reader

- Haihong Huang, MS in Geography, San Diego State University
- Sutton Fox, MPH in Epidemiology, San Diego State University; graduated May 2017
- Samuel Lam, MPH in Epidemiology, San Diego State University; graduated May 2017
- Robert Arieli, MPH in Epidemiology, San Diego State University; graduated May 2016
- Shadi Gholizadeh, MPH in Epidemiology, San Diego State University; graduated May 2016
- Somia Said, MPH in Biometry, San Diego State University; graduated May 2016

Mentoring/advising: Graduate research assistant (GRA)/research project supervisor

- Chelsea Obrochta, PhD student in Epidemiology, SDSU-UCSD Joint Doctoral Program
- Purva Jain, PhD student in Epidemiology, SDSU-UCSD Joint Doctoral Program
- Chanwoo Jin, PhD student in Geography, San Diego State University
- Haiho Huang, MS student in Geography, San Diego State University
- Sindana Ilango, PhD student in Epidemiology, SDSU-UCSD Joint Doctoral Program
- Paige Sheridan, PhD student in Epidemiology, SDSU-UCSD Joint Doctoral Program
- Michael Morrison, BS student in Public Health, San Diego State University; graduated May 2018
- Steven Zamora, MPH student in Epidemiology, San Diego State University; graduated May 2018

Mentoring/advising: Academic advisor (currently enrolled students only)

- Lara Schwarz, MPH student in Epidemiology, San Diego State University
- Hayley Koslik, MPH student in Epidemiology, San Diego State University
- Briana Thrift, MPH student in Epidemiology, San Diego State University

Role: Co-I

7. SDSU/UCSD Cancer Center Partnership 3/1/2016-8/1/2016 1.2 CM (in-kind)
 Pilot Award (Thompson/Murphy) \$10,000
Visualizing socioeconomic and racial disparities in the burden of screening detectable cancers
 For this pilot project, we will develop a web-enabled mapping tool using GIS technology combined with California Cancer Registry data, US census and waves of the American Community Survey describing sub-regional areas by contextual factors and detailed metropolitan and regional geography.
 Role: MPI

SERVICE:

Department, School, and University service

Faculty Mentor –SDSU Big Data Hackathon, 2017

Strategic Planning Committee for Teaching/Mentoring (chair) – SDSU School of Public Health, 2018-present

Faculty Advisor to the Graduate Student Council – SDSU School of Public Health, 2017-present

Student Affairs Committee (member) – SDSU School of Public Health, 2017-present

Admissions Committee (member) – UCSD-SDSU Joint Doctoral Program in Epidemiology, 2016-present

Admissions Committee (member) – SDSU Master of Public Health Program in Epidemiology, 2016-present

Faculty Judge –San Diego Epidemiology Research Exchange, 2016, 2017, 2018

Faculty Judge – 9th Annual SDSU Student Research Symposium, 2016

Epidemiology Faculty Search (member) – SDSU School of Public Health, 2016

Cancer Epidemiology Faculty Search (member) – SDSU School of Public Health, 2016

Professional service

Local Organizing Committee (chair) for the 2020 American Statistical Association International Conference on Health Policy Statistics, 2018-present

Academic Editor, *PLOS ONE*, 2017-present

Steering Committee (member), AcademyHealth Data and Analytics in Learning Health Systems (DALHS), 2015-2017

Member, Health Care Systems Research Network, 2014-present

Abstract Reviewer, Society for Epidemiologic Research Annual Meeting, 2014-present

Application Reviewer, AcademyHealth Delivery System Science Fellowship, 2014-2015

Review Editor, *Frontiers in Public Health*, 2013-present

Member, AcademyHealth, 2012-present

Member, Society for Epidemiologic Research, 2012-present

Invited peer review, 2010-present: *Cancer Epidemiology, Biomarkers and Prevention; Epidemiology; BMC Research Notes; BMC Cancer; Cancer Causes & Control; American Journal of Epidemiology; BMC Health Services; Epidemiology, Journal of Clinical Epidemiology; Scientific Reports; International Journal of Cancer*

SKILLS AND COMPETENCIES:

- Quantitative bias analysis
- Monte Carlo simulation studies
- Data management
- Relational database design
- Analysis of electronic health record (EHR) data

- SAS (preferred statistical software): Proficient
- Stata: Basic
- R: Basic
- LaTeX: Proficient
- MS Office: Proficient

- Foreign languages: Spanish (conversational); German (basic)