BIOGRAPHICAL SKETCH
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NAME: Ward, Kevin C.

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POSITION TITLE: Director, Georgia Center for Cancer Statistics; Research Assistant Professor, Emory Univ.

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Georgia Institute of Technology, Atlanta GA	BIE	12/93	Industrial Engineering
Emory University, Atlanta GA	MPH	05/98	Epidemiology
Emory University, Atlanta GA	PhD	05/08	Epidemiology

A. Personal Statement

I am a Research Assistant Professor in the Department of Epidemiology at the Rollins School of Public Health at Emory University. I am also the Director of the Georgia Center for Cancer Statistics (GCCS) and the current PI of the National Cancer Institute's Georgia Surveillance, Epidemiology and End Results (SEER) Registry. In partnership with the Georgia Department of Public Health, my Center operates the population-based Georgia Cancer Registry (GCR) and has done so since 1995. I have worked with this Center for over 20 years and have extensive experience in all aspects of cancer surveillance including the use of registries for cancer control, prevention, and research activities. I have collaborated extensively with investigators locally and across the nation to help them utilize this important resource that exists in Georgia to support their research goals.

B. Positions and Honors
Positions and Employment
1993-1996	Process Engineer, DeKalb County Board of Health
1996-1997	Program Assistant, Internship and Fellowship Programs, Assoc. of Schools of Public Health
1997-1999	Information Analyst, Georgia Center for Cancer Statistics (GCCS), Emory University, RSPH
1999-2002	Director, Data Processing, Analysis and Quality Assurance, GCCS, Emory University, RSPH
2002-2008	Deputy Director, Georgia Center for Cancer Statistics, Emory University, RSPH
2008-	Research Assistant Professor, Emory University, RSPH
2009-	Director, Georgia Center for Cancer Statistics, Emory University, RSPH

Other Experience and Professional Memberships
1999-	Member, North American Association of Central Cancer Registries (NAACCR)
1999-	Member, Society for Epidemiologic Research
2004-	Member, Georgia Tumor Registrars Association
2004-	Member, National Cancer Registrars Association
2006-	Member, Information Technology Advisory Committee, Rollins School of Public Health
2007-2015	Member, Middle East Cancer Consortium Steering Committee
2007	Certification, Certified Tumor Registrar
2007-2008	Co-Chair, Data Evaluation and Certification Committee, NAACCR
2008	President, Georgia Tumor Registrars Association
2008-2010	Member, American Cancer Society Cancer Prevention Study 3 (CPS-3) Peer Review
2009-	Member, Winship Cancer Institute (WCI) Cancer Control and Population Sciences

2009-2011	Member, Emory University Hospital Cancer Committee
2009-	Chair, Data Evaluation and Certification Committee, NAACCR
2009-2010	Member, WCI Cancer Control and Population Sciences Strategic Planning Committee
2009-2010	Member, Bioinformatics Task Force, Winship Cancer Institute
2010-2012	Member, NAACCR Program Committee
2010-2011	Member, Emory University CoPathPlus Steering Committee
2010-2011	Member, NAACCR Strategic Planning Oversight Committee
2011-2013	Member, Georgia Cancer Coalition, Information Exchange, Scientific Advisory Committee
2012-	Member, Informatics Tack Force, Winship Cancer Institute
2013-2016	Member, Research and Data Use Steering Committee, NAACCR
2013-2016	Member, Professional Development Steering Committee, NAACCR
2014-2018	North American Rep, Executive Board, International Association of Cancer Registries
2014-	Member, Advisory Committee, International Agency for Research on Cancer Izmir Hub

C. Contribution to Science

Population-based cancer registries support the cancer surveillance infrastructure in the United States and offer an unparalleled source of data to describe the burden of cancer across various populations and to support population-based cancer research. Most of my work has been involved in the development and enhancement of the cancer surveillance system in the state of Georgia to support these activities. Data from the Georgia Cancer Registry have been extensively used under my direction to:

1. **Support population-based cancer research studies**: My work in this area, as shown below, has been heavily focused on breast cancer population-based research to determine patterns of care, characterize the uptake and implementation of new tests and treatments in breast cancer to individualize care, and describe patient outcomes such as quality of life and other survivorship issues. Georgia provides an ideal setting for population-based research with the 8th largest population in the US and the 4th largest African American population. The state is also exceptionally diverse with respect to other major demographic characteristics (age, sex, urban/rural, socioeconomic status, and health insurance coverage).

   a. Jagsi R, **Ward KC**, Abrahamse PH, Wallner LP, Kurian AW, Hamilton AS, Katz SJ, Hawley ST. Unmet need for clinician engagement regarding financial toxicity after diagnosis of breast cancer. Cancer. 2018 Sep 15;124(18):3668-3676. doi: 10.1002/cncr.31532. Epub 2018 Jul 23. PubMed PMID: 30033631.

   b. Kurian AW, **Ward KC**, Hamilton AS, Deapen DM, Abrahamse P, Bondarenko I, Li Y, Hawley ST, Morrow M, Jagsi R, Katz SJ. Uptake, Results, and Outcomes of Germline Multiple-Gene Sequencing After Diagnosis of Breast Cancer. JAMA Oncol. 2018 Aug 1;4(8):1066-1072. doi: 10.1001/jamaoncol.2018.0644. PubMed PMID: 29801090; PubMed Central PMCID: PMC6143044.

   c. Katz SJ, **Ward KC**, Hamilton AS, Mcleod MC, Wallner LP, Morrow M, Jagsi R, Hawley ST, Kurian AW. Gaps in Receipt of Clinically Indicated Genetic Counseling After Diagnosis of Breast Cancer. J Clin Oncol. 2018 Apr 20;36(12):1218-1224. doi: 10.1200/JCO.2017.76.2369. Epub 2018 Mar 12. PubMed PMID: 29528794; PubMed Central PMCID: PMC5908222.

   d. Sadigh G, Duszak R Jr, **Ward KC**, Jiang R, Switchenko JM, Applegate KE, Carlos RC. Downstream Breast Imaging Following Screening Mammography in Medicare Patients with Advanced Cancer: A Population-Based Study. J Gen Intern Med. 2018 Mar;33(3):284-290. doi: 10.1007/s11606-017-4212-x. Epub 2017 Nov 14. PubMed PMID: 29139055; PubMed Central PMCID: PMC5834957.

   e. Hartnett KP, **Ward KC**, Kramer MR, Lash TL, Mertens AC, Spencer JB, Fothergill A, Howards PP. The risk of preterm birth and growth restriction in pregnancy after cancer. Int J Cancer. 2017 Dec 1;141(11):2187-2196. doi: 10.1002/ijc.30914. Epub 2017 Aug 24. PubMed PMID: 28836277; PubMed Central PMCID: PMC5766343.

2. **Support descriptive epidemiology studies**: The core function of a registry is to collect data necessary to portray the natural history of cancer in the population under investigation by person, place and time. These data provide the information required to support cancer control activities in the state

and to describe patterns of cancer and cancer care in the population. I have worked extensively in Georgia to ensure our data our accurate, timely and complete and to make these data available to our constituencies. As a faculty member in the Department of Epidemiology, I also mentor numerous students in our MPH Program and residents in our cancer center in the use of these data for thesis and other publications.

   a. Nash R, **Ward KC**, Jemal A, Sandberg DE, Tangpricha V, Goodman M. Frequency and distribution of primary site among gender minority cancer patients: An analysis of U.S. national surveillance data. Cancer Epidemiol. 2018 Jun;54:1-6. doi: 10.1016/j.canep.2018.02.008. Epub 2018 Mar 9. PubMed PMID: 29529446; PubMed Central PMCID: PMC5971134.
   b. Tai EW, **Ward KC**, Bonaventure A, Siegel DA, Coleman MP. Survival among children diagnosed with acute lymphoblastic leukemia in the United States, by race and age, 2001 to 2009: Findings from the CONCORD-2 study. Cancer. 2017 Dec 15;123 Suppl 24:5178-5189. doi: 10.1002/cncr.30899. PubMed PMID: 29205314; PubMed Central PMCID: PMC6075705.
   c. Nash R, Goodman M, Lin CC, Freedman RA, Dominici LS, **Ward K**, Jemal A. State Variation in the Receipt of a Contralateral Prophylactic Mastectomy Among Women Who Received a Diagnosis of Invasive Unilateral Early-Stage Breast Cancer in the United States, 2004-2012. JAMA Surg. 2017 Jul 1;152(7):648-657. doi: 10.1001/jamasurg.2017.0115. PubMed PMID: 28355431; PubMed Central PMCID: PMC5831458.
   d. McNamara C, Bayakly AR, **Ward KC**. Georgia Cancer Data Report, 2016. Georgia Department of Public Health, Georgia Cancer Registry, December 2016.
   e. McNamara C, Bayakly AR, **Ward KC**. Georgia Childhood Cancer Report, 2016. Georgia Department of Public Health, Georgia Cancer Registry, August 2016.

3. **Support studies aimed to enhance the quality of registry data**: In collaboration with registry and surveillance colleagues, I have contributed to major strategic and data initiatives to evaluate and enhance the quality of population-based cancer registry data. I am also currently involved in many activities at the national level aimed to augment registry data from non-traditional data sources.

   a. Healy MA, Morris AM, Abrahamse P, **Ward KC**, Kato I, Veenstra CM. The accuracy of chemotherapy ascertainment among colorectal cancer patients in the surveillance, epidemiology, and end results registry program. BMC Cancer. 2018 Apr 27;18(1):481. doi: 10.1186/s12885-018-4405-7. PubMed PMID: 29703172; PubMed Central PMCID: PMC5924509.
   b. Allemani C, Harewood R, Johnson CJ, Carreira H, Spika D, Bonaventure A, **Ward K**, Weir HK, Coleman MP. Population-based cancer survival in the United States: Data, quality control, and statistical methods. Cancer. 2017 Dec 15;123 Suppl 24:4982-4993. doi: 10.1002/cncr.31025. PubMed PMID: 29205302; PubMed Central PMCID: PMC5851448.
   c. Jacobs EJ, Briggs PJ, Deka A, Newton CC, **Ward KC**, Kohler BA, Gapstur SM, Patel AV. Follow-up of a Large Prospective Cohort in the United States Using Linkage With Multiple State Cancer Registries. Am J Epidemiol. 2017 Oct 1;186(7):876-884. doi: 10.1093/aje/kwx129. PubMed PMID: 28520845; PubMed Central PMCID: PMC5860149.
   d. Noone AM, Negoita S, Schussler N, Adamo M, Cronin KA, Groves C, Liu B, **Ward K**, Penberthy L. Medical Record-Documented TNM Categories and Stage Group: Feasibility of Use for Cancer Surveillance. J Registry Manag. 2017 Summer;44(2):46-53. PubMed PMID: 29595945.
   e. National Cancer Institute Surveillance, Epidemiology, and End Results Prostate-Specific Antigen Working Group., Adamo MP, Boten JA, Coyle LM, Cronin KA, Lam CJ, Negoita S, Penberthy L, Stevens JL, **Ward KC**. Validation of prostate-specific antigen laboratory values recorded in Surveillance, Epidemiology, and End Results registries. Cancer. 2017 Feb 15;123(4):697-703. doi: 10.1002/cncr.30401. Epub 2016 Oct 26. PubMed PMID: 27783399; PubMed Central PMCID: PMC5293616.