

CURRICULUM VITAE

Thomas C. Tucker, PhD, MPH

Markey Cancer Center
Cancer Prevention and Control Program
University of Kentucky
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(Updated January 2024)



ACADEMIC AND PROFESSIONAL EXPERIENCE

Markey Cancer Center (An NCI Comprehensive Cancer Center)
University of Kentucky
Lexington, Kentucky

Senior Director for Cancer Surveillance	06/00 - Present
Associate Director, Kentucky Cancer Registry	07/18 - Present
Associate Director for Cancer Prevention and Control	12/04 - 06/20
Co-Leader, Cancer Control Research program	12/09 - 09/16
Principal Investigator NCI-SEER Contract	02/01 - 05/18
Principal Investigator CDC-NPCR Grant	09/94 - 07/18
Director, Kentucky Cancer Registry	06/00 - 07/18
Acting Director for Cancer Control	07/98 - 06/00
Associate Director for Cancer Control	09/84 - 07/98

Department of Epidemiology (Now Epidemiology and Environmental Health)
College of Public Health
University of Kentucky
Lexington, Kentucky

Full Professor (with Tenure)	05/18 - Present
Associate Professor (with Tenure)	06/00 - 05/18
Founding Chair, Epidemiology Department	05/04 - 01/09
Director, Epidemiology Division	06/00 - 05/04

Department of Health Services Management
College of Allied Health Sciences (Now College of Health Sciences)
University of Kentucky
Lexington, Kentucky

Associate Professor (with Tenure)	04/90 - 06/00
Assistant Professor of Health Administration	09/84 - 04/90

Kalamazoo Community Hospital Oncology Program
Borgess Medical Center
Kalamazoo, Michigan

Administrative Director	03/81 - 09/84
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Grand Rapids Clinical Oncology Program Butterworth Hospital Grand Rapids, Michigan Administrative Director	11/75 - 03/81
American Cancer Society Midwestern Area Office Des Plaines, Illinois Area Public Education Director	06/73 - 11/75
American Cancer Society National Office New York, New York Public Education Representative	12/71 - 06/73
American Cancer Society Missouri Division West Metro Area Office Kansas City, Missouri Associate Director Program Representative	04/71 - 12/71 06/69 - 04/71
OEO/CAP Agency Kansas City, Missouri Research Assistant and Consultant	06/68 - 01/69

EDUCATION

University of Kentucky, Lexington, KY
PhD - 2001
Major: Medical Sociology
Minor: Organizational Theory

University of Michigan, Ann Arbor, MI
MPH - 1982
Major: Medical Care Organization
Minor Emphasis Areas: Epidemiology and Biostatistics

University of Oklahoma, Norman, OK
Certificate - 1970
Special Topics Course: Community Organization

University of Kansas, Lawrence, KS
BA - 1969
Major: Political Science
Minor Emphasis Area: Communication

HONORS

National Program of Cancer Registries (NPCR), 20th Anniversary Public Health Award for Significant Contributions in Cancer Prevention and Control, Centers for Disease Control and Prevention (CDC), Washington, D.C., Aug. 2012.

Elected as one of two North American Representatives to the International Association of Cancer Registries (IACR) Board of Directors, Lyon France, 2010 to 2014.

Elected to the Delta Omega Honorary Society for Public Health, University of Kentucky (Beta Gamma Chapter), January 2008.

Calum S. Muir Award for Lifetime Contributions to Cancer Surveillance, North American Association of Central Cancer Registries (NAACCR), Toronto, Canada, June 2002.

O'Donnell Award for Outstanding Achievement as a Graduate Student in Sociology, University of Kentucky, Sociology Department Faculty, May 2000.

Elected President of the North American Association of Central Cancer Registries, 1998-2001.

Elected to the Alpha Eta Honorary Society for Allied Health, University of Kentucky Chapter, April 1995.

Outstanding Service Award, Kalamazoo Community Hospital Oncology Program, Kalamazoo, Michigan, August 1984.

Award for Outstanding Contributions to the Development of Community Cancer Centers, Association of Community Cancer Centers (ACCC), Washington, D.C., March 1982.

PROFESSIONAL ACTIVITY (SERVICE)

International

London School of Hygiene and Tropical Medicine, London, England

Member Steering Committee, CONCORD Global Cancer Survival Study, 2009 to Present

Member CONCORD Global Cancer Survival Study Working Group, 2009 to Present

International Association of Cancer Registries (IACR), Lyon, France

Member Board of Directors, Elected as one of two North American Representatives, 2010 to 2014

Canadian Council of Cancer Registries, Toronto, Canada

Member, United States Representative, 1999 to 2001

Far East Medical University, Khabarovsk, Russia

Development of public health and health services projects post glasnost, 1996

Ministry of Public Health, Quito, Ecuador

Pilot Project for development of a computerized data system for hospitals in Ecuador, 1988 to 1990

Kentucky/Ecuador Partners of the Americas

Member, Health Committee, 1987 to 1990

North American Association of Central Cancer Registries (NAACCR)

Chair, Strategic Alliances Steering Committee, 2012 to 2018

Chair, Data Evaluation and Certification Committee, 2005 to 2010

President, 1999 to 2001

President-elect, 1998

Chair, Search Committee for Executive Director, 1998

Member, Board of Directors, 1996 to 2003

Chairperson, Certification Committee, 1997 to 1999

Chairperson, Uniform Data Standards Committee, 1993 to 1994

Member, High Quality Data Standards Committee, 2002 to 2008

Member, 1989 to Present

National

University of Puerto Rico Cancer Center

Member, External Scientific Advisory Board, 2009 to 2014

National Coordinating Council for Cancer Surveillance (NCCCS)

Member, 1999 to 2001

Chair, 2016 to 2017

Centers for Disease Control and Prevention (CDC)

Member, National Program of Cancer Registries, Advisory Board, 1996 to 2000

Member, Health Education Specialist Training Faculty, 1998 to 2000

National Cancer Institute (NCI)

Co-Sponsor of a National Cancer Institute (NCI) Workshop, "Linking Private Health Insurance Claims with Population-based Cancer Registry Records", Washington, D.C., 2017

Member, Search Committee for the Director of the NCI, DCCPS, Cancer Surveillance Branch, 2013

Member, Grant Review Panel, NCI CISNET Program, Washington, D.C., 2005

Co-chairperson, Evaluation Committee, Appalachian Leadership Initiative on Cancer, 1993 to 1999

Member, Grant Review Committee, NAACCR Conference Grant, February 1996

Member, Grant Review Committee, Yale Cancer Control Research Unit, Bethesda, MD, March 1994

Member, Site Visit Team, Cancer Control Research Unit, Yale University, New Haven, CN, Oct. 1993

Member, Grant Review Panel, Rural Cancer Control Initiative, Washington, D.C., August 1991

Member, Grant Review Panel, Cancer in Special Populations, Washington, D.C., February 1991

Special Site Visitor, Data-Based Cancer Control Interventions Program, Georgia Department of Public Health, Atlanta, November 1990

Member, Grant Review Panel, Avoidable Mortality from Cancer in Native American Populations, Washington, D.C., 1989

Member, Grant Review Panel, Tobacco Use Prevention and Cessation among Native American Populations, Washington, D.C., 1989

Chairperson, Grant Review Panel, Data-Based Cancer Control Intervention Program, Washington, D.C., 1988

Special Site Visitor, Data-Based Cancer Control Intervention Program, North Carolina Department of Public Health, 1988

Member, Site Visit Team, Cancer Control Research Unit, Yale University, 1988

Member, Grant Review Panel, Data-Based Cancer Control Intervention Program, Washington, DC, 1988

Member, Grant Review Panel, Data-Based Cancer Control Intervention Program, Wash. DC, 1987

Member, Site Visit Team, Cancer Control Research Unit, Yale University, 1985

Member, Site Visit Team, Cancer Care Research Program, Kaiser Permanente Research Unit, 1984

Member, Site Visit Team, Cancer Control Network Program, Johns Hopkins University, 1980

Member, Site Visit Team, Cancer Control Program, Memorial Sloan-Kettering Cancer Center, 1979

Center for Substance Abuse Treatment (CSAT)

Member, Cross-Site Evaluation Committee, 1995 to 1997

Member, Cross-Site Evaluation Sub-committee on Publication Policies, 1995 to 1997

Association of University Programs in Health Administration (AUPHA)

Reviewer, Undergraduate Programs in Health Administration, Atlanta, GA, 1993

Member, Health Administration Undergraduate Program Review, Washington, D.C., March 1991

Reviewer, Undergraduate Programs in Health Administration, Washington, D.C., 1989

Association of Community Cancer Centers (ACCC)

Chairperson, Special Task Force on Membership, 1984-1985

Chairperson, Subcommittee for Administrative Standards, 1983-1984

Vice Chairperson, Standards Committee, 1983-1984

Member, Nominating Committee, 1982-1986

Chairperson, Program Committee, 1978-1982

Member, Board of Trustees, 1977-1980

State and Local

Delta Omega Honorary Society for Public Health (Beta Gamma Chapter)

Past President, 2013 to 2014

President, 2011 to 2012

President Elect, 2010 to 2011

Midsouth Division of the American Cancer Society

Member, Triad Project, 1999 to 2003

Member, Committee to Establish Measurable Goals, 1999 to 2000

Member, Breast Cancer Task Force, 1993 to 1995

Foundation for a Healthy Kentucky

Member, Steering Committee, Kentucky Partnership for Health Improvement, 2021 to Present

University of Kentucky (UK)

Co-Chair, New Faculty Search Committee, Department of Epidemiology and Environmental Health, College of Public Health, August 2022 to 2023

Member, Self-Study Committee, Department of Epidemiology and Environmental Health, College of Public Health, September 2022 to 2023

Chair, Epi. and Environmental Health Department, Chair Reappointment Committee, 2022-2023

Chair, Periodic Review Committee, Department of Ophthalmology, College of Medicine, March 2021

Chair, Appointment Promotion and Tenure (APT) Committee, College of Public Health, 2014 to 2015

Member, APT Committee, College of Public Health 2010 to 2017 and 2020 to present

Member, Markey Cancer Center, Cancer Research Informatics Shared Resource Facility, Scientific Advisory Committee, 2015 to present

Member, Markey Cancer Center Directors Council, 2009 to present

Member, Markey Cancer Center, Membership Committee, 2009 to present

Member, Markey Cancer Center, Program leaders Committee, 2009 to present

Co-Leader, Cancer Prevention and Control Program, Markey Cancer Center, 2009 to 2017

Chair, Cancer Prevention and Control Program, Scientific Advisory Committee, Markey Cancer Center, 2004 to 2009

Member, Six Year Review Committee, Department of Family and Community Medicine, College of Medicine, 2012

Member, Six Year Review Committee, College of Public Health, 2009

Member, Executive Committee, Markey Cancer Center, 2004 to 2009

Member, Administrative Council, College of Public Health, 2000 to 2008

Member, Academic Affairs Committee, College of Public Health, 2001 to 2008

Member, Research Committee, College of Allied Health, 1999 to 2003

Member, Promotion and Tenure Committee, College of Allied Health Professions, 1995 to 1999

Member, Taskforce for the Establishing a Health Policy Research Institute, 1994

Member, Medical Center Institutional Review Board, 1992 to 1998

Member, University Senate, 1991 to 1992

Member, Equal Opportunity Committee, 1989 to 1990

Member, Student Affairs Committee, College of Allied Health Professions, 1989

Member, Six Year Review Committee, College of Allied Health Professions, 1989

Member, Six Year Review Committee, Survey Research Center, 1989

Member, Kentucky Health Survey Advisory Committee, Survey Research Center, 1987 to 1992

Member, Academic Affairs Committee, College of Allied Health Professions, 1987 to 1989

Faculty Advisor, Student Chapter, American College of Health Care Executives, 1987 to 1988

Member, Task Force to review the Medical Center Computing Plan, 1987

Member, Search Committee for Director of the Survey Research Center, 1988

Member, Faculty Council, College of Allied Health Professions, 1985 to 1987 and 1991 to 1992

Member, Advisory Committee, Survey Research Center, 1985 to 1990
Member, Cancer Committee, University Medical Center, 1985 to 1990
Co-Chairperson, Support Services Committee, Development of a Master's Program in Health Administration, College of Allied Health Professions, 1985
Member, Executive Committee, Markey Cancer Center, 1984 to 2009
Member, Committee on Centers of Excellence, College of Allied Health Professions, 1984 to 1985

Kentucky Department for Public Health (KDPH)

Vice Chair, Kentucky Colon Cancer Advisory Committee, 2021 to Present
Member, Kentucky Colon Cancer Advisory Committee, 2008 to Present
Chair, Kentucky Colon Cancer Advisory Committee, 2011 to 2012
Member, Kentucky Breast Cancer Advisory Committee, 1998 to 2020
Member, Steering Committee, Data-Based Cancer Control Intervention Study, 1990 to 1996

Alliant Health Care Systems, Inc.

Consultant, Development of Rural Hospital Transition Grants, 1989

Clinical Oncology Program of Grand Rapids, Michigan

Consultant, Reorganization of the Grand Rapids Clinical Oncology Program, March 1995
Consultant, Development of a Computerized Data System for Managing Patients on Clinical Research Protocols, November 1989

Kentucky Hospital Association (KHA)

Member, Health Services Database Committee, 1995 to 2000
Consultant, Development of a Grant to Study "Dual Licensed" Hospital Beds in Kentucky, 1987
Consultant, Evaluation of Data on Hospitalized Medically Indigent Patients, Presented to the State Legislature, 1987

Kentucky Medical Association (KMA)

Ex Officio Member, Cancer Committee, 1995 to 2018

Community Hospital Oncology Program of Flint, Michigan

Consultant, A Population-Based Study of Cancer Incidence and Mortality in Genesee County, 1987 to 1989

Michigan Department of Public Health (MDPH)

Member, CSAT Target Cities Advisory Committee, 1994 to 1998
Member, Special Task Force for Implementation of a Cancer Incidence Registry, 1983 to 1984

Michigan Division of the American Cancer Society (MDACS)

Member, Field Services Committee, 1980 - 1982
Member, Board of Directors, 1979 to 1982
Chairperson, Public Education Committee, 1979 to 1982
Member, Public Education Committee, 1978 to 1983
Chairperson, Adult Education Sub-committee, 1978 to 1980

Michigan State University (MSU)

Member, Search Committee for Director of the Cancer Center, 1977
Member, Central Planning Task Force, Development of a Cancer Center, 1975 to 1977
Member, Advisory Council, Development of a Cancer Center, 1975 to 1977

TEACHING

Courses Taught (Average student rating of the course value for all classes taught is 3.8 on a 4 point scale)

CPH 786 Doctoral Seminar in Epidemiology: Fall 2013

This course is taught as a colloquium. Students attend sessions that supplement the core curriculum with additional application. Prerequisites: Enrollment in the Ph.D. in Epidemiology and Biostatistics program.

CPH 615 Cancer Epidemiology: Fall 2007, 2009, 2011

This course applies and integrates the principles and tools of epidemiology to the study of cancer. Prerequisites: CPH 605 or consent of instructor.

CPH 718 Social Epidemiology: Spring 2010

Co-taught with Dr. Steve Browning. This course provides students with an introduction to major topics in the area of social epidemiology. Prerequisites: CPH 605 and 611.

CPH 605 Epidemiology: Fall 2004, 2008, Spring 2009

This is an initial graduate level course in the principles of epidemiology. The course consists of lectures and informal discussions. Prerequisites: Graduate student in good standing in the MPH program.

CPH 911 Professional Seminar in Epidemiology: Fall 2003, 2004, 2005, 2006, 2007

Professional Seminar in Epidemiology is an advanced course in one of the five content areas of public health designed as the link between academic work in epidemiology and application in Public Health practice. Prerequisites: DrPH student or completion or CPH 910.

CPH 611 Advanced Epidemiology: Spring 2000, 2001, 2002

This course provides specialized epidemiologic content and method designed to meet the research and practice needs of health professionals. Prerequisites: CPH 605 or consent of instructor.

CH 250 Introduction to Epidemiology: Fall 1984, 1985, 1986, Spring 1987, 1988-1999

This undergraduate course provides an introduction to the principals and methods of epidemiology. Students learn study designs and bivariant analytic techniques. Prerequisites: Enrollment in the HSM program.

CH 260 Introduction to Health Services Management: Fall 1985, 1986, Spring 1985

This undergraduate course provides an introduction to the principals of health services management. Prerequisites: Enrollment in the HSM program.

CH 241 The Health Service Delivery System: Spring 1986, Summer 1986

This course provides an introduction to the U.S. health service delivery system. The course provides a detailed understanding of the complexities inherent in the U.S. Health system. Prerequisites: CH 260.

CH 351 Health Services Management: Fall 1987-1998

This course provides an overview of all of the major aspects of health services management. Students are exposed to key management practices and principals. Prerequisites: CH 260.

CH 450 Interorganizational Relationships: Spring 1987-1996

This course examines the challenges of developing and maintaining constructive working relationships with external organizations. The course reviews key strategies associated with developing and maintains constructive working relationships. Prerequisites: CH 260.

STUDENT MENTORING COMMITTEES – THESIS, CAPSTONE AND DISSERTATION

Student Name	Role	Degree	Graduation
1. Emma Gough	Member	MPH (EEH)	2023
2. Mahala Pettus	Member	MPH (EEH)	2023
3. Kaylee Stickler	Chair	MPH (EEH)	2023
4. Hunter Stiff	Chair	MPH (EEH)	2023
5. Joshua Brown	Chair	MPH (EPI)	2022
6. Lexee Long	Chair/Mentor	MPH (EPI)	2022
7. Brittney McKinley	Chair	MPH (EPI)	2021
8. Ripley Lucas	Chair	MPH (EPI)	2021
9. Lauren Shelton	Member	MPH (EPI)	2018
10. Gabriella Hodges	Member	MPH (EPI)	2017
11. Jennifer Maynor	Member	MPH (EPI)	2017
12. Vera Pravosud	Chair	MPH (EPI)	2016
13. Virginia Valentine	Member	DrPH (EPI)	2016
14. Kingsley Uzodinma	Member	MPH (EPI)	2016
15. Afton Wright	Member	MPH (EPI)	2016
16. Jaclyn Nee	Member/Mentor	DrPH (EPI)	2015
17. Jing Guo	Member	PhD (EPI/BIOSTATS)	2014
18. Terrence Lester	Member	MPH (EPI)	2014
19. Tamas Gal	Member/Mentor	PhD (INFORMATICS)	2014
20. Michael Sither	Member	MPH (EPI)	2014
21. Sondos Al Sad	Member	MPH (EPI)	2013
22. Harpriya Kaur	Chair/Mentor	MPH (EPI)	2012
23. Eric Durbin	Member/Mentor	DrPH (EPI)	2012
24. Chad Glasser	Member	MPH (EPI)	2012
25. Samuel Antwi	Chair/Mentor	MPH (EPI)	2010
26. Michele Burwinkel	Member	MPH (EPI)	2010
27. Leah Casanova	Member	MPH (EPI)	2010
28. Ashley Comiford	Member	MPH (EPI)	2010
29. Kara Michels	Member	MPH (EPI)	2010
30. Gwen Rinker	Chair/Mentor	MPH (EPI)	2010
31. Bin Huang	Member/Mentor	DrPH (EPI)	2009
32. Jeffery Tritle	Member	MPH (EPI)	2009
31. Dave Clark	Chair/Mentor	DrPH (EPI)	2007
34. Juan Yepes	Chair	MPH (EPI)	2007
35. Edmond Hooker	Member	DrPH (HSM)	2007
36. Richard Meir	Chair	MPH (EPI)	2006
37. Naga Perisetti	Chair	MPH (EPI)	2006
38. Tanika Redmond	Chair	MPH (EPI)	2006
39. Mirela Urgureanu	Chair	MPH (EPI)	2006
40. Jie Zhang	Chair	MPH (EPI)	2005
41. Julie Tackett	Member	MPH (EPI)	2005
42. Judy Stivers	Member	MPH (EPI)	2005
43. Elizabeth Masterson	Member/Mentor	MPH (EPI)	2005
44. Nancy Johnson	Member	DrPH (EPI)	2005
45. Arpana Sali	Member	MPH (EPI)	2005
46. Anna Cass	Chair/Mentor	MPH (EPI)	2004
47. Shulin Dong	Chair	MPH (EPI)	2004
48. Yelena Golden	Chair	MPH (EPI)	2004
49. April Moore	Member	MPH (EPI)	2004
50. Adwoa Boahene	Member	MPH (EPI)	2004
51. Mehjabeen Chowbhury	Member	MPH (EPI)	2004
52. Tony Lobianco	Member	MPH (EPI)	2004
53. Mef Galle	Chair	MPH (EPI)	2003
54. Jennifer Redmond	Member/Mentor	MPH (EPI)	2003
55. Shalini Parekh	Member	MPH (EPI)	2002
56. Davis Potter	Member	MPH (EPI)	2002
57. Keisha Schumacher	Member	MPH (EPI)	2002

INVITED COURSE LECTURES

1. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, March 8, 2023.
2. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, March 6, 2023.
3. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, March 9, 2022.
4. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, March 7, 2022.
5. Tucker T.C. “Discussion of cancer research studies with doctoral students”, Invited lecture, CPH 786: Epidemiology Doctoral Seminar, University of Kentucky, January 25, 2022.
6. Tucker T.C. “Using the Kentucky Cancer Registry as a Virtual Tissue Repository: A Unique Population-based Surveillance System” Invited lecture, CPH 310: Introduction to Epidemiology, University of Kentucky, February 24, 2021.
7. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 29, 2021.
8. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 27, 2021.
9. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 22, 2020.
10. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 17, 2020.
11. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 23, 2019.
12. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 21, 2019.
13. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture for Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 22, 2018.
14. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 20, 2018.
15. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture for Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 21, 2017.
16. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 19, 2017.
17. Tucker T.C. “Cancer Epidemiology (Continued)”, Invited lecture for Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 20, 2016.
18. Tucker T.C. “Cancer Epidemiology”, Invited lecture, Toxicology 616: Biology and Therapy of Cancer, University of Kentucky, January 18, 2016.

FACULTY MENTORING COMMITTEES

<u>Role</u>	<u>Faculty Member</u>	<u>Status</u>	<u>Date</u>
Member	Mary E. Lacy Leigh, PhD	Assistant Professor	2021 to Present
Chair	Krystle A. Lang Kuhs, PhD, MPH	Associate Professor	2020 to Present
Member	W. Jay Christian, PhD, MPH	Associate Professor	2020 to 2023
Member	Anna Kucharska-Newton, PhD, MPH	Associate Professor	2021 to 2023
Member	Anna Goodman Hoover, PhD	Associate Professor	2021 to 2023
Member	Kimberly Tumlin, PhD	Assistant Professor	2021 to 2023

RESEARCH AND SCHOLARLY PRODUCTIVITY

Peer Reviewed Publications (# of citations 12,700+; h-index 40; i10-index 68; * senior author)

https://scholar.google.com/citations?hl=en&user=cm4ph34AAAAJ&view_op=list_works

1. Christian J, Walker C, McDowell J, Huang B, **Tucker T**, Villano J, Durbin E. Geographic and temporal trends in pediatric and young adult brain tumors in Kentucky, 1995–2019. *Cancer Epidemiology*, Vol. 88, January 2024.
2. Lei F, Vanderpool R, McLouth L, Romond E, Chen Q, Durbin E, **Tucker T**, Tai E, Huang B. Influence of depression on breast cancer treatment and survival: A Kentucky population-based study. *Cancer* <https://doi.org/10.1002/cncr.34676>. April 17, 2023.
3. **Tucker TC**, Durbin EB, Huang B, Pictor K. Using the incidence of cervical cancer precursors to assess the impact of HPV vaccination efforts in Kentucky. *J Registry Manag.* 50(1):34-35. PMID: 37577288; PMCID: PMC10414209. Spring 2023.
4. Starrett G, Yu K, Golubeva Y, Lenz P, Piaskowski M, Peterson D, Dean M, Israni A, Hernandez B, **Tucker T**, Cheng I, Gonsalves L, Morris C, Hussain S, Lynch C, Harris R, Prokunina-Olsson L, Meltzer P, Buck C, Engels E. Common mechanisms of virus-mediated oncogenesis in bladder cancers arising in solid organ transplant recipients. *eLife* 12:e82690. <https://doi.org/10.7554/eLife.82690>, March 24, 2023.
5. Girardi F, Di Carlo V, Stiller C, Gatta G, Woods R, Visser O, Lacour B, **Tucker T**, Coleman M, Allemani C, CONCORD Working Group. Global survival trends for brain tumours, by histology: analysis of individual records for 67,776 children diagnosed in 61 countries during 2000-2014 (CONCORD-3). *Neuro-Oncology*, <https://doi.org/10.1093/neuonc/noac232>, 25(3):593-606, March 2023.
6. Anyanwu MC, Ohamadike O, Wilson LE, Meernik C, Huang B, Pisu M, Liang M, Previs RA, Joshi A, Ward KC, **Tucker T**, Schymura MJ, Berchuck A, Akinyemiju T. Race, affordability and utilization of supportive care in ovarian cancer patients. *J Pain Symptom Manage.* Epub ahead of print. PMID: 36058401, Sept. 2022.
7. Senyonga N, Stiller C, Nakata K, Shalkow J, Redmond S, Bulliard J, Girardi F, Fowler C,... **Tucker T**. et al. Worldwide trends in population-based survival for children, adolescents, and young adults diagnosed with leukaemia, by subtype, during 2000–14 (CONCORD-3): analysis of individual data from 258 cancer registries in 61 countries. *The Lancet Child & Adolescent Health*, 6(6):409-431, June 2022.
8. Lang Kuhs K, Faden D, Chen L, Smith D, Pinheiro M, Wood C, Davis S, Yeager M, Boland J, Cullen L, Steinberg M, Bass S, Wang X, Liu P, Mehrad M, **Tucker T**, Lewis J, Ferris R, Mirabello L. Genetic variation within the human papillomavirus type 16 genome is associated with oropharyngeal cancer prognosis. *Annals of Oncology*, 33(6):638-648, June 2022.
9. Weir H, Bryant H, Coleman M, Turner D, Mariotto A, Spika D, Matz M, Harewood R, **Tucker T**, Allemani C. Population-based cancer survival in Canada and the United States by socio-economic status: findings from the CONCORD-2 study. *Journal of Registry Management*, 49(1):23-33, Spring 2022.
10. Pravosud V, Vanderford N, Huang B, **Tucker T**, Arnold S. Exceptional survival among Kentucky stage IV non-small cell lung cancer patients: Appalachian versus non-Appalachian populations. *Journal of Rural Health*, 38(1):14-27, 2022.
11. Mix J, Saraiya M, Thompson T, Querec T, Greek A, **Tucker T**, Peters E, Lynch C, Hernandez B, Copeland G, Goodman M, Unger E. Prevalence of human papillomavirus genotypes in high-grade cervical precancer and invasive cervical cancer from cancer registries before and after vaccine introduction in the United States. *Cancer*, 127(19): 3487-3700, October 1, 2021.
12. Girardi F, Rous B, Stiller C, Gatta G, Fersht N, Storm H, Rodrigues R, Herrmann C, Marcos-Gragera R, Peris-Bonet R, Valkov M, Weir H,... **Tucker T**, ...Lynch C, Coleman M, Allemani C. The histology of brain tumors for 67,331 children and 671,085 adults diagnosed in 60 countries during 2000-2014: a global, population- based study (CONCORD-3). *Neuro-Oncology*, 23(10):765–776, October 2021

13. Yuan Y, Van Dyke A, Petkov V, Hussey S, Moravec R, Altekruise S, Sandoval M; Cress R, Mueller L, Mogi A, Hernandez B, Selk F, Lynch C, **Tucker T**, Lynch A, Lefante C, Wu X, Sweeney C, Doherty J, Penberthy L. Pathology laboratory policies and procedures for releasing diagnostic tissue for cancer research. *Arch Pathology & Laboratory Medicine*, Vol 145, February 2021.
14. **Tucker T**, Charlton M, Schroeder M, Jacob J, Tolle C, Evers M, Mullett T. Improving the quality of cancer care in community hospitals. *Annals of Surgical Oncology*, 28(2):632-638, February 2021.
15. Johnson M, **Tucker T**, Chen Q, Huang B, DeSimone C, Miller R, Baldwin L, Fredericks T, Burgess B, Ueland F. Uterine corpus malignancies in Appalachia Kentucky: Incidence, survival, and related health disparities. *South Med J*, 113:29-36, 2020.
16. **Tucker T**, Mullett, T. Author Reflections: How can we improve quality of cancer treatment in community hospitals?. *Annals of Surgical Oncology*, 27: 871–872, December 2020.
17. Larson K, Huang B, Chen Q, **Tucker T**, Schuh M, Arnold S, Kolesar J. EGFR testing and erlotinib use in non-small cell lung cancer patients in Kentucky. *Plos One*, 15(8): e02337790. H 15(8): e0237790. [E-Pub] <https://doi.org/10.1371>, August 18, 2020.
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Books, Book Chapters and Published Reports

1. Cleveland D. and **Tucker T**. Hospital Registry Operations. Chapter 5. IN *Cancer Registry Management Principles and Practice*, Corrigan L, Gress D, Hill S, and Mulvihill L (Editors). 4th Edition, National Cancer Registrars Association. 2021.

2. Cleveland D. and **Tucker T.** History and Overview of Cancer Registries. Chapter 1. IN *Cancer Registry Management Principles and Practice*, Corrigan L, Gress D, Hill S, and Mulvihill L (Editors). 4th Edition, National Cancer Registrars Association. 2021.
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Invited Presentations, Interviews, Podcasts and Abstracts

1. Tucker T.C. “Building and Maintaining a Virtual Tissue Repository”, Invited Presentation, SEER 50th Anniversary and PIs Conference, National Cancer Institute, Bethesda, MA, Oct. 4, 2023
2. Tucker T.C. “Impact of COVID on Kentucky Cancer Incidence and Mortality”, Podium Presentation, NAACCR Annual Conference, New Orleans, LA, June 20, 2023.
3. Tucker T.C. “Cancer Surveillance Roundtable”, Plenary Session Moderator, North American Association of Central Cancer Registries (NAACCR) Annual Conference, New Orleans, LA, June 20, 2023.
4. Tucker T.C. “The Past 20 Years of Kentucky’s Colorectal Cancer Incidence and Mortality Rates: Successes and Challenges”, Invited Presentation, KY Colon Ca. Advisory Com., May 18, 2023.
5. Tucker T.C. and McDowell J.K. “The State of Cancer in Kentucky”, Invited Presentation, A Kentucky Cancer Consortium Webinar, May 11, 2023
6. Tucker T.C. “Collaboration Turns the Tide on Kentucky’s Colorectal Cancer Rates”, WUKY Interview, <https://www.wuky.org/podcast/dr-greg-davis-on-medicine/2023-03-28/collaboration-turns-the-tide-on-kentuckys-colorectal-cancer-rates>, March 23, 2023.
7. Tucker T.C. “Reducing the Colorectal Cancer Burden in Kentucky: Celebrating 20 Years of Progress”, Invited Presentation, Colon Cancer Prevention Project Annual Dinner, Louisville KY, March 3, 2023.
8. Tucker T.C. “Colon Cancer MSI/MMR Study”, Kentucky Colon Cancer Advisory Committee, Invited Presentation, Virtual, Nov. 17, 2022.
9. Tucker T.C. “Cancer Epidemiology”, Invited Presentation, Summer Pipeline Program, College of Medicine, University of Kentucky, June 27, 2022.
10. Tucker T.C. “Using Cervical Cancer Precursors to Evaluate HPV Vaccination in Kentucky”, Invited Presentation, Centers for Disease Control and Prevention (CDC) Webinar, June 2, 2022.
11. Tucker T.C. “Preliminary Results from the Colorectal Cancer Microsatellite Instability and Mismatch Repair Study”, Invited Presentation, Kentucky Colon Cancer Advisory Committee, March 17, 2022.
12. Tucker T.C. “Overcoming Reluctance to Share Tissue Blocks and Practical VTR Operational Tips”, Invited Presentation, National Cancer Institute (NCI) SEER Research Call, July 27, 2021.
13. Tucker T.C. “Using the Commission on Cancer (CoC) Quality Measures to Leverage Change in Community Hospitals”, Invited Presentation, ACoS Quality and Safety Conference, July 16, 2021.
14. Tucker T.C. “Innovative Research Using the Population-Based Registry as a Virtual Tissue Repository (VTR)”, Invited Plenary Presentation, North American Association of Central Cancer Registries (NAACCR), Summer Forum, Virtual Conference, June 15, 2021.

15. Tucker T.C. “Estimated Treatment Costs Saved as a Result of Colorectal Cancer Screening in Kentucky”, Invited Presentation, Kentucky Colon Cancer Advisory Committee, February 18, 2021.
16. Tucker T.C. “Colorectal Cancer in Kentucky”, Talking Facts Podcast, <https://ukfcsext.podbean.com/e/colorectal-cancers-in-kentucky>, March 11, 2021
17. Tucker T.C. “The Cancer Burden in Kentucky”, Talking Facts Podcast, <https://ukfcsext.podbean.com/e/cancer-burden-in-kentucky>, February 11, 2021.
18. Tucker T.C. “Using the Central Cancer Registry as a Population-based Virtual Tissue Repository”, Invited Presentation, National Cancer Institute SEER QIE Virtual Conference, December 7, 2020.
19. Tucker T.C. “World Leadership Dialog on Cancer: The U.S. Perspective”, Invited Presentation, European Union Public Health Association, Virtual International Meeting, October 13, 2020.
20. Tucker T.C. “Prostate Cancer in Kentucky: Disparities by Race and Place”, Invited Presentation, Prostate Cancer Alliance, University of Kentucky, Virtual Meeting, September 21, 2020.
21. Tucker T.C. “Quantitative Measures Associated with Community Hospitals Participating in the Markey Cancer Center Affiliate Network (MCCAN)”, Invited Presentation, MCCAN Meeting, Sept. 25, 2020.
22. Tucker T.C. “Understanding the Burden of Colorectal Cancer in Kentucky and Disparities by Race and Place”, Invited Presentation, Kentucky Colon Cancer Advisory Board, August 20, 2020.
23. Tucker T.C. “Understanding Disparities in Kentucky’s Cancer Burden by Race, Gender and Place”, Invited Presentation, Owensboro Health, Virtual Grand Rounds, July 30, 2020.
24. Tucker T.C. “Cancer Fight Podcast”, <https://anchor.fm/cancerfight/episodes/Cancer-Fight-7-Tom-Tucker-eh0vvt>, July 21, 2020.
25. Tucker T.C. “Changes Over Time and Disparities in Kentucky’s Lung, Breast and Colorectal Cancer Burden”, Invited Presentation, Kentucky Cancer Consortium, Webinar, May 28, 2020.
26. Tucker T.C. “Interview with Thomas C. Tucker”, Louie B. Nunn Center for Oral History, University of Kentucky, <https://kentuckyoralhistory.org/ark:/16417/xt712hllvgkts>, November 25, 2019.
27. Tucker T.C. “The Markey Cancer Center Data Driven, Integrated and Systematic Approach to Community Engagement”, Invited Presentation, NCI meeting, Minneapolis MN, October 10, 2019.
28. Tucker T.C. “Using the Population-based Cancer Registry as a Virtual Tissue Repository (VTR)”, Invited Presentation, NAACCR Annual Meeting, Vancouver British Columbia, Canada, June 11, 2019.
29. Tucker T.C. “Kentucky’s Data and Context-Driven Approach to State and Local Cancer Control”, Invited Plenary Presentation, National Cancer Institute, Health Information National Trends (HINTS) Data Users Conference, Bethesda, MD, May 22, 2019.
30. Tucker T.C. “The Importance of Population-Based Data for Cancer Research and Control”, Invited Presentation, Markey Cancer Center Research Day, Lexington, KY, May 7, 2019.
31. Tucker T.C. “Using the Population-based Cancer Registry as a Virtual Tissue Repository (VTR)”, Invited Presentation, Kentucky Cancer Registry Fall Workshop, Louisville, KY, August 17, 2018.
32. Tucker T.C. “The Burden of Cancer in Kentucky”, Invited Presentation, Kentucky Cancer Summit, American Cancer Society (ACS), Louisville, KY, August 23, 2018.
33. Tucker T.C. “Reducing the Kentucky Burden of Colorectal Cancer”, Invited Presentation, Collage of Public Health, Board of Advisors, University of Kentucky, Lexington, KY, April 20, 2018.
34. Tucker T.C. “Linking Registry Records with Health Insurance Claims: The Kentucky Cancer Registry (KCR) Experience”, Invited Presentation and meeting co-sponsor, National Cancer Institute (NCI), Health Insurance Claims Workshop, Washington, D.C. September 27, 2017.
35. Tucker T.C. “Using the Cancer Registry as a Population-Based Virtual Tissue Repository”, Invited Presentation, Kentucky Society of Pathologists, 45th Annual Spring Conference, April 22, 2017.

36. Tucker T.C. “Understanding the Cancer Burden in Kentucky and Appalachia”, Invited Presentation, Precision Medicine Conference, Markey Cancer Center, March 22, 2017.
37. Tucker T.C. “Defining the Cancer Burden in the Cancer Center Catchment Area”, Invited Presentation, NCI meeting, James Cancer Center, The Ohio State University, Columbus, OH. February 23 -24. 2017.
38. Tucker T.C. “Understanding the Cancer Burden in Kentucky”, Invited Presentation, Oncology Conference, Mitchell Cancer Center, Owensboro, KY. November 2016.
39. Tucker T.C. “The Burden of Lung Cancer in the Northeast Kentucky AHEC Region”, Invited Presentation, Lung Cancer Symposium, Moorhead, KY. September 16, 2016.
40. Tucker T.C., “PBS News Hour”, <https://www.pbs.org/newshour/show/why-cancer-is-so-hard-to-fight-in-rural-kentucky>, First aired March 25, 2016.
41. Tucker T.C. “The impact of proposed changes to the Common Rule on using archival tissue in population-based cancer research studies”, Invited Presentation, National Cancer Institute, Surveillance Epidemiology and End Results Conference, Albuquerque, NM. March 17, 2016.
42. Tucker T.C. “Pre-invasive Cervical Cancer HPV Genotyping Study in Kentucky: Preliminary Results”, Oral Scientific Session Presentation, North American Association of Central Cancer Registries Annual Meeting, Charlotte, NC. June 17, 2015.
43. Tucker T.C. “Maximizing the Potential of Population-Based Cancer Registries to Inform Cancer Research”, Invited Plenary Presentation, North American Association of Central Cancer Registries Annual Meeting, Charlotte, NC. June 16, 2015.
44. Tucker T.C. “The Burden of Lung Cancer in the Northeast Kentucky AHEC Region”, Invited Presentation, Northeast Kentucky AHEC, Lung Cancer Roundtable, Morehead, KY. April 30, 2015.
45. Tucker T.C. “Pre-invasive Cervical Cancer in Kentucky: Data Collection and Genotyping”, Invited Presentation, NCI SEER PI’s Annual Conference, Lexington, KY. April 9, 2015.
46. Tucker T.C. “Using Central Cancer Registries to Improve Cancer Center Research”, Invited Presentation, National Cancer Institute (NCI) SEER PI’s Meeting, Lexington, KY. April 8, 2015.
47. Tucker T.C. “Moving Cancer Research from the Lab to the Population: Translational Research”, Invited Presentation, Mitchell Cancer Center, Oncology Outlook Conference, Mobile, AL. March 21, 2015.
48. Tucker T.C. “CDC Initiatives that Strengthen Your NCI Designated Cancer Center”, Invited Presentation, American Society of Preventive Oncology (ASPO), Birmingham, AL. March 14, 2015.
49. Tucker T.C. “Using a population-based cancer surveillance system to improve cancer center research”, Invited Grand Rounds Presentation, Winship Cancer Center, Emory University, Atlanta, GA. Jan. 2015.
50. Tucker T.C. “Socioeconomic Factors and the Burden of Cancer in Appalachia”, Invited Grand Rounds Presentation, Eastern Tennessee State University (ESTU), Johnson City, TN. October 2014.
51. Tucker T.C. “Cancer Survival in Appalachia”, Invited Presentation, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia. September 2014.
52. Tucker T.C. “Pre-Invasive Cervical Cancer in Kentucky: A Data Collection and Genotyping Study”, Invited Presentation, CDC, Atlanta, Georgia. September 2014.
53. Tucker T.C. “Socioeconomic Status and the Burden of Cancer”, Invited Plenary Presentation, Combined International Association of Cancer Registries and North American Association of Central Cancer Registries (NAACCR) Annual Meeting, Invited Plenary Presentation, Ottawa Canada. June 2014.
54. Tucker T.C. “Defining the Burden of Cancer”, Invited Plenary Presentation, National Association of Cancer Registries (NCRA) Annual Meeting, Nashville, TN May 2014.
55. Tucker T.C. “Moving Cancer Research from the Lab to the Population: The last step in Translational Research”, Invited Presentation, NCI Cancer Center Forum, San Diego, CA April 2014.

56. Tucker T.C. “The Impact of Socioeconomic Factors on Cancer Incidence and Mortality”, Invited Presentation, National Cancer Institute SEER PI’s Conference, Washington, D.C. March 2013.
57. Tucker T.C. “Using cancer surveillance data to improve cancer research”, Invited Plenary Presentation, Asian Pacific Organization for Cancer Prevention Annual Meeting, Taipei, Taiwan, March 2014.
58. Tucker T.C. “Using a population-based cancer surveillance system to improve cancer center research”, Invited Grand Rounds, James Cancer Center, The Ohio State University, Columbus, OH, May 2013.
59. Tucker T.C. “Using a population-based cancer surveillance system to improve Cancer Center Research”, Invited Grand Rounds Presentation, Dartmouth College, Norris Cotton Cancer Center, Hanover, New Hampshire, February 2013.
60. Tucker T.C. “Communicating Complex Cancer Concepts to Lay Audiences”, Invited Plenary Presentation, NAACCR Annual Meeting, Austin, Texas, June 2013.
61. Tucker T.C. “Defining the Burden of Cancer: a NAACCR project in collaboration with C- Change”, Invited Plenary Presentation, NAACCR Annual Meeting, Portland, OR. August 2012.
62. Tucker T.C. “Using Population-based Data to Identify Cancer Disparities”, Invited Presentation, Meharry Medical College, Social Equality Research Training Institute, Nashville, TN. March 2012.
63. Tucker T.C. “Defining the Burden of Cancer”, Invited Presentation, American Cancer Society and Centers for Disease Control and Prevention Comprehensive Cancer Control Workshop, Atlanta, GA. Sept. 2012.
64. Tucker T.C. “The Epidemiology of Colorectal Cancer”, Invited Presentation, National Dialogue for Action on Colon Cancer Screening, Baltimore, MA. March 2011.
65. Tucker T.C. “Screening for colorectal cancer in Kentucky: A public health success story”, Invited Presentation, Kentucky Colon Cancer Advisory Committee, Pikeville, KY. October 2010.
66. Tucker T.C. “Using Cancer Registry Data for Cancer Research and Control”, Invited Presentation, National Cancer Registrars Association, Palm Springs, CA. June 20, 2010.
67. Tucker T.C. “The etiology and control of colorectal cancer”, Invited Presentation, National Dialogue for Action on Colon Cancer Screening, Baltimore, MA. March 2010.
68. Tucker T.C. “Converting data into information for cancer control”, North American Association of Central Cancer Registries Annual Meeting, Quebec City, Canada, June 2010.
69. Tucker T.C. “Defining the burden of cancer: Converting data into information”, North American Association of Central Cancer Registries Annual Meeting, San Diego, CA, June 2009.
70. Tucker T.C. and Das, B. “Using survival to correct for differences in case fatality”, North American Association of Central Cancer Registries Annual Meeting, San Diego, CA. June 2009.
71. Tucker T.C. “Measuring the quality of central cancer registry data”, 31st Annual Meeting of the International Association of Cancer Registries, New Orleans, LA. May 2009.
72. Tucker T.C. “Describing the Cancer Burden”, Invited Presentation, North American Association of Central Cancer Registries, Cancer Surveillance Institute, Vancouver, British Columbia, January 2008.
73. Tucker T.C. “Communicating the Cancer Burden to Different Audiences”, North American Association of Central Cancer Registries, Cancer Surveillance Institute, Vancouver, British Columbia, January 2008.
74. Tucker T.C. “The Burden of Colon Cancer in Kentucky”, Invited Presentation, Dialogue for Action Conference, Lexington, Kentucky, June 2008.
75. Tucker T.C. “Using Cancer Registry Data for Cancer Research and Control,” Invited Presentation, NAACCR Annual Meeting, Denver, Colorado, June 2008.
76. Tucker T.C. “The Burden of Colon Cancer in Kentucky”, Invited Presentation, Kentucky General Assembly, Joint Health and Welfare Committee, Frankfort, Kentucky, March 2008.

77. Tucker T.C. "Cancer Surveillance, Yesterday, Today and Tomorrow" Invited Presentation, CDC International Cancer Conference, Atlanta, Georgia, August 2007.
78. Tucker T.C. "Using Cancer Registry Data for Cancer Research and Control," Presented at the NAACCR Annual Meeting, Detroit, Michigan, June 2007.
79. Tucker T.C. "Using Data for Cancer Prevention and Control", Invited Presentation, Comprehensive Cancer Control Summit, Lake Cumberland, Kentucky, May 2007.
80. Tucker T.C. "The Burden of Cancer in Kentucky (2000 to 2004)", University of Louisville, Invited Speaker, Louisville, Kentucky, October 2007.
81. Tucker T.C. "The Burden of Cancer in Kentucky", Invited Presentation, Madisonville Regional Medical Center/Western Kentucky AHEC, Madisonville, KY. Sept. 2006.
82. Tucker T.C. "Using Cancer Registry Data for Cancer Control", Presented at the NAACCR Annual Meeting, Boston, Massachusetts, June 2005.
83. Tucker T.C. "Measuring the Quality of Central Cancer Registry Data", Presented at the NAACCR Annual Meeting, Salt Lake City, Utah, June 2004.
84. Tucker T.C. "Uses and Limitations of Population-Based Cancer Registry Data", Invited Presentation, Intercultural Cancer Council 9th Biennial Symposium, Washington, D.C. March 2004.
85. Tucker T.C. "Communicating Cancer Risk", Invited Presentation at the CDC 2003 Cancer Conference, Atlanta, Georgia, September 2003.
86. Tucker T.C. "Interpreting Variations in the Burden of Cancer", Invited Presentation at the NCI and CDC Joint Cancer Surveillance Institute, San Jose, California, January 2003.
87. Tucker T.C. "Using Cancer Registry Data for Cancer Control", Presented at the NAACCR annual meeting; Honolulu, Hawaii, June 2003.
88. Tucker T.C. "Using Population-based Cancer Surveillance Data in Research", Presented at the NAACCR Annual Meeting in Miami, Florida, June 2001.
89. Tucker T.C. "Completeness of Case Ascertainment", Presented at the NAACCR Annual Meeting in New Orleans, April 2000.
90. Tucker T.C. "The Relationship Between Data Quality and Use", Invited Plenary Presentation at the NAACCR Annual Meeting in Chicago, Illinois, April 1999.
91. Tucker T.C. "Measuring Case Ascertainment in Population-based Cancer Registries", Presented at the NAACCR Annual Meeting in Vancouver, British Columbia, Canada, April 1998.
92. Tucker T.C. "The Use of Registry Data for Improving the Early Detection of Breast Cancer", Presented at the CDC International Cancer Conference, Atlanta, Georgia, September 1997.
93. Tucker T.C. "A Rank Sum Technique for Identifying Counties with the Greatest Need for Breast Cancer Screening", CDC International Cancer Conference, Atlanta, Georgia, September 1997.
94. Tucker T.C. "Epidemiology of Prostate Cancer in Kentucky", Invited Presentation at the ACS Prostate Cancer Symposium, Louisville, Kentucky, June 1997.
95. Tucker T.C. "Case Completeness: How Complete is Complete Enough?", Invited Presentation at the Annual Meeting of the National Cancer Registrars Association, Las Vegas, Nevada, May 1997.
96. Tucker T.C. "Developing a Constituency for Central Cancer Registries", Invited Presentation, North American Association of Central Cancer Registries, Boston, Massachusetts, April 1997.
97. Tucker T.C. "The Use of Cancer Registry Data in Research", Invited Presentation at the Annual Meeting of the National Cancer Registrars Association, Miami, Florida, June 1995.

98. Tucker T.C. “Cancer Care Expenditures in the U.S.: Past, Present and Future”, Invited Presentation at the 1995 Quality of Life Symposium, Long Beach, California, March 1995.
99. Tucker T.C. “Using Cancer Registry Data to Target Geographic Areas for Breast Cancer Screening”, Abstract, Annual Meeting of the NAACCR, Niagara on the Lake, Ontario, Canada, 1994.
100. Tucker T, Kilbourn P, and Muller W. “Cancer Incidence and Mortality in Genesee County Michigan”, Abstract, Association of Community Cancer Centers, Washington, D.C. March 1990.
101. Thompson J.R, Phillips B.A, Cabelka J, and Tucker T. “1989 Kentucky Hospital Smoking Survey”, Abstract, 1990 Annual Scientific Meeting, KY Thoracic Society, Louisville, KY, March 1990.
102. Seavey J, Berry D.E, and Tucker T.C. “Public Policy and Rural Hospitals”, Abstract, Annual Meeting, American Public Health Association, Chicago, Illinois, November 1989.
103. Noland M.P, Kryscio R.J, Riggs R.S, Linville L.H, Perritt L.J, and Tucker T.C. “Use of Snuff, Chewing Tobacco and Cigarettes among Adolescents in a Tobacco-Producing Area”, Abstract, American School Health Association Annual Meeting, September 1989.
104. Thompson J.R, and Tucker T.C. “Lung Cancer Mortality in Rural Appalachian Kentucky”, Abstract, 1989 Annual Scientific Meeting, Kentucky Thoracic Society, Lexington, Kentucky, March 1989.
105. Noland M, Kryscio R, Riggs R, Linville L, Perritt L, and Tucker T. “Saliva Cotinine and Thiocyanate: Chemical Indicators of Smokeless Tobacco and Cigarette Use in Adolescents”, Abstract, National Convention, American School Health Association, September 1988.
106. Stallones L, Nuckols J, and Tucker T. “Cancer Clusters in Rural Appalachia”, Abstract, National Conference on Clustering of Health Events, Atlanta, Georgia, September 1988.
107. Stelling C, Powell D, Mattingly S, and Tucker T. “Atypical Hyperplasia of the Breast”, Abstract, American Roentgen Ray Society Annual Meeting, San Francisco, California, May 1988.
108. Tucker T, and Berry D. “Factors Effecting Distress or Prosperity in Small Rural Hospitals”, Abstract, American Public Health Association, Washington, D.C., November 1985.
109. Raviteh M, Youel D, Moorhead E, Tucker T, et.al. “Current Practice: A multi-Method Approach to CME Needs Assessment in Oncology”, Abstract, American Association for Cancer Education, 1980.

Extramural Funding (PI for peer reviewed grants and contracts totaling more than \$39 million)

(Current)

HHSN261201800013I (NCI)	Tucker (PI)	09/15/2023-09/14/2026
SEER-Linked Virtual Tissue Repository		\$441,493
The goal of this project is to establish and test the infrastructure for operating an NCI SEER-Linked Virtual Tissue Repository (VTR).		
KDPH202309271740 (State)	Tucker (PI)	11/01/2023-06/30/2024
Kentucky Department for Public Health		\$46,628
The goal of this study is to conduct an in-depth analysis of factors associated with early-age onset (EAO) colorectal cancer (CRC) using data from the Kentucky Cancer Registry.		
NNI Project MTC – 22341/RSA	Tucker (PI)	04/04/2013-03/30/2025
United Biosource Corporation on behalf of Novo Nordisk, Inc./MTC consortium		\$471,707
This study is a medullary thyroid carcinoma surveillance project. The Kentucky Cancer Registry identifies all cases of medullary thyroid cancer and recruits them to participate in a phase 4 (post marketing) study.		
HHSN261201800013I (NCI)	Durbin (PI)	05/01/2018-04/31/2028
Surveillance, Epidemiology and End Results Program (SEER)		\$37,200,000
Goal: Collecting detailed treatment data and following all cancer patients diagnosed in Kentucky in order to conduct outcomes research and survival analysis. Role: Co-Investigator		

R37CA233777 (NCI)	Huang (PI)	02/01/2019-04/30/2024
The Role of Multilevel Healthcare Access Dimensions in Ovarian Cancer Disparities		\$58,680
Goal: To evaluate racial disparities in association with healthcare access and patient-reported quality of life outcomes. Role: Co-Investigator		
NU58DP007144 (CDC)	Durbin (PI)	06/30/2022-06/29/2027
National Program of Cancer Registries (NPCR)		\$3,678,941
Goal: To collect detailed data on all cancer patients diagnosed and/or treated in any Kentucky health care facility and conduct quality assurance audits to ensure completeness, accuracy and timeliness. Role: Co-Investigator		
(Completed)		
PON2 728 2000002521 (State)	Tucker (PI)	07/01/2021-06/30/2023
Kentucky Department for Public Health		\$82,916
The goal of this colon cancer MSI/MMR testing study is to determine whether Kentucky Blacks and Appalachian residents, diagnosed with colorectal cancer, are tested less often for microsatellite instability and mismatch repair.		
RO1CA221854 (NCI)	Tucker (Site PI)	02/01/2021-03/31/2022
Rutgers University		\$9,814
The goal of the study is to construct and test a Facebook Intervention for Young Onset Melanoma Patients and Families. The Kentucky Cancer Registry (KCR) will collaborate with researchers at Rutgers and recruit melanoma patients to participate in this important intervention study		
PON2 415 1600001032 (State)	Rangnekar (PI)	01/01/2018-06/30/2022
KY Lung Cancer Research Fund		\$150,000
The goal of this study is to identify genetic differences between long- and short-term lung cancer survivors. The Kentucky Cancer Registry was used as a Virtual Tissue Repository(VTR) to identify lung cases and to obtain the tissue needed for this study. Role: Co-Investigator		
HHSN2612013000131 (NCI)	Tucker (PI)	09/11/2015-09/27/2022
Population-based Virtual Tissue Repository (VTR)		\$363,086
Development of a population-based virtual cancer tissue repository and using the VTR to study genomic differences between female breast cancer patients who had long- and short-term survival times and to study genomic differences between pancreatic cancer patients who had long- and short- term survival times.		
U58DP000810 (CDC)	Tucker (PI)	06/30/2017- 06/30/2022
National Program of Cancer Registries (NPCR) Component 2		\$95,856
The purpose of this cooperative agreement is to develop and maintain a population-based surveillance system for collecting precursors to cervical cancer. Precursors to cervical cancer are defined as any woman diagnosed with HGSIL. These data are used to estimate the effectiveness of vaccinations against HPV genotypes 16 and 18 in reducing the burden of cervical cancer.		
HHSN261201800013I (NCI)	Tucker (PI)	08/17/2020-05/30/2022
Pediatric Whole Slide Imaging Project		\$236,070
The goal of this study is to test the feasibility of establishing a logistical and technical pipeline for obtaining Whole Slide Images (WSIs) of H&E slides generated as part of the diagnoses and treatment for 2016 pediatric cancer cases ascertained by the Kentucky Cancer Registry.		
NU58DP006313 (CDC)	Tucker/Knight (Co-PIs)	06/30/2017-06/29/2021
National Comprehensive Cancer Control Program (NCCCP)		\$2,447,715
The purpose of this cooperative agreement is to Develop and maintain a comprehensive state cancer prevention and control plan, to implement the plan and to promote cancer control related health policies.		
PON2 728 1900003176 (State)	Durbin (PI)	01/15/2019-06/30/2021
KY Cabinet for Health and Family Services		\$520,000
Goal is to identify potential Kentucky specific mutations and environmental exposures associated with Kentucky's high incidence of pediatric CNS cancers. Role: Co-Investigator		

P30 CA177558	Evers (PI)	07/01/2018–06/30/2020
Cancer Center Support Grant (NCI)		\$2,228,322
Goals: To support the ongoing research infrastructure, research programs, shared resources, developmental funds, and administration of the Markey Cancer Center and develop more effective approaches to cancer prevention, diagnosis, and therapy. Role: Co-Investigator (Associate Director for Cancer Prevention and Control)		
CCSG Pilot Grant (NCI/MCC)	Plattner (PI)	01/01/2018-09/30/2019
A Retrospective Cohort Study		\$50,000
Goal: To determine the activity levels of the signaling molecule c-Abl/Arg among recurrent melanoma patients who were treated with recommended chemotherapy at the time of recurrence. Role: Co-Investigator		
N01-PC-2010-00031 (NCI)	Tucker (PI)	08/01/2010-04/31/2018
Surveillance, Epidemiology and End Results Program (SEER)		\$10,418,842
Collecting detailed treatment data and following all cancer patients diagnosed in Kentucky for outcomes research.		
No. 553022 (Battelle/CDC)	Tucker (PI)	11/03/2016-03/31/2018
Population-based HPV genotyping study of cervical, anal and oral cancers		\$89,114
Goal: to measure population-based changes in the occurrence of HPV expression among cervical, anal, and oral cancer patients in Kentucky since the availability of vaccines against HPV 16 and 18 were introduced.		
U58DP000810 (CDC)	Tucker (PI)	06/30/2011-06/29/2017
National Program of Cancer Registries (NPCR)		\$4,015,000
Collecting data on all cancer patients diagnosed and/or treated in any Kentucky health care facility and conducting quality assurance audits to ensure that data is both complete and accurate.		
U48DP005014-01(CDC)	Huang (PI)	09/30/2014-09/29/2017
Linking Datasets to the Kentucky Cancer Registry (CDC SIP)		\$245,000
The major goal of this study is to link Medicaid claims, private insurance claims and the state employees' health insurance claims with the Kentucky Cancer Registry to obtain complete treatment information including genomic testing on all insured cancer patients in the Registry. Role: Co-Investigator		
CCSG Pilot Grant (NCI/MCC)	Tucker (PI)	01/01/2014-09/30/2015
A Retrospective Cohort Study		\$50,000
Evaluating Potential Markers for Breast Cancer Recurrence. The goal of this study is to determine whether any one or combination of five proteins (Par-4, SNAIL, TWIST, WNT, and c-Abl/Arg) are associated with breast cancer recurrence using the Kentucky Cancer Registry.		
CDC Cooperative Agreement	Tucker (PI)	01/01/2014-06/30/2015
HPV Genotypes among Women Diagnosed with CIN3 or AIS		\$126,000
A Population-based study of HPV Genotypes among Women Diagnosed with Pre-invasive Cervical Cancer (CIN3 or AIS). The goal of this study is to determining differences in HPV genotypes among women with CIN3 compared to AIS, African American women compared to white women and women from Appalachian Kentucky compared to women from the non-Appalachian area of the state.		
R01MD004598-02 (NCMHHD)	Coker (PI)	09/25/2009-04/30/2013
Partner Violence and cancer		\$1,393,580
The major goals of this study are to determine the association between partner violence (controlling and interfering behaviors) and stage at diagnosis, treatment received and survival. Role: Co-Investigator		
5U48DP001932-04 (CDCSIP)	Huang (PI)	09/01/2011-08/31/2014
Appalachian Cancer Survival Study		\$265,898
The goal of this study is to conduct an analysis of relative survival comparing cancer patients in Appalachia to non-Appalachian Kentucky and assessing variation in relative survival. Role: Co-Investigator		
226848 (Battelle)	Tucker (PI)	01/01/2009-12/31/2010
CDC Pre-Invasive Cervical Cancer Pilot Study		\$91,873
Collect detailed information on all pre-invasive cervical cancer cases in order to determine the rate of pre-invasive cervical cancer in Kentucky.		

217972 (Battelle) CDC HPV Study	Hopenhayn (PI)	06/01/2008-12/31/2010 \$107,654
Tissue was collected from a random sample of cervical, anal, and oral cancer patients. PCR's were performed to determine the proportion of cases in Kentucky with specific HPV subtypes. Role: Co-Investigator		
KLRC (Lung Cancer Fund)	Tucker (PI)	08/01/2009-12/13/2010
Goal: To test of a web-based smoking cessation program in four rural Appalachian middle Schools.		
No. HHSN261200544003C (NCI)	Tucker (PI)	08/01/2005-07/31/2009 \$6,896,214
Surveillance, Epidemiology and End Results Program (SEER) Collecting detailed treatment data and following all cancer patients diagnosed in Kentucky in order to conduct outcomes research and survival analysis.		
No.2-PC-15104 (NCI)	Tucker (PI)	02/15/2001-07/31/2005 \$2,801,074
Surveillance, Epidemiology and End Results Program (SEER) Collecting detailed treatment data and following all cancer patients diagnosed in Kentucky in order to conduct outcomes research and survival analysis for patients with specific types of cancer.		
No. U75/CCU410692-07 (CDC)	Tucker (PI)	09/30/1994-02/15/2000 \$2,715,000
National Program of Cancer Registries (NPCR) Collecting detailed data on all cancer patients diagnosed and/or treated in any Kentucky health care facility and conducting quality assurance audits to ensure that data is both complete and accurate.		
Contract (ACS) American Cancer Society	Tucker (PI)	01/01/1999-12/31/2000 \$26,000
Patterns of Care Feasibility Study for Colon Cancer.		
No. Ca-91-11 (NCI)	Friedell (PI)	10/01/1992-09/30/1999 \$1,255,918
Central Appalachian Leadership Initiative on Cancer Development of leadership capacity for cancer prevention and control in Appalachia. Role: Co-Investigator		
No. 89-CA-14 (NCI)	Friedell (PI)	10/01/1990-09/30/1997 \$1,200,000
Databased Interventions for Cancer Control in Kentucky Develop the methods tools and infrastructure to measure the cancer burden in Kentucky. Role: Co-Investigator		
KY Hospital Association Grant	Berry (PI)	01/01/1989-12/31/1990 \$9,000
Medicare and Medicaid hospital discharges in Kentucky A study of the patterns of care for hospitalized Medicare and Medicaid patients in Kentucky, 1982 through 1986. Role: Co-Investigator		
Pew Charitable Trust	Berry (PI)	08/01/1988-07/31/1990 \$28,350
Small Rural Hospitals in the U.S. A study of small rural hospitals in the U.S. An American Hospital Association and National Rural Health Association Study. Role: Co-Investigator		
No. 263-MD-613595 (NIH)	Selwitz (PI)	09/28/1985 \$8,114
Office for the Protection from Research Risks A workshop promoting patient welfare in clinical trials hosted by the University of Kentucky. Role: Co-Investigator and Workshop Moderator		

Personal Statement (Research)

My research training and professional experience are in the areas of cancer surveillance and cancer control. The focus of my research has been on disparities in the burden of lung, colorectal, breast and cervical cancer with an emphasis on rural and Appalachian populations. As Director of the Kentucky Cancer Registry (KCR) and Associate Director of the Markey Cancer Center, Cancer Prevention and Control Program for nearly 20 years, a significant proportion of my research efforts have been devoted to helping investigators understand and use data from the Registry to address their research questions. I have also focused on two additional avenues of research.

The first area of research views the population-based cancer surveillance program (the Central Cancer Registry) as not just a source of high-quality data, but also as a population-based virtual tissue repository. The ability to perform genomic sequencing on formalin-fixed paraffin-embedded (FFPE) tissue has existed for nearly two decades. However, the technology to conduct DNA next generation sequencing, RNA Sequencing and methylation profiling using FFPE tissue has improved dramatically in recent years. Immunohistochemical staining techniques to identify both the presence and activity levels of many proteins (signaling molecules) in FFPE tissue has also substantially improved. These advances make it possible to view the population-based cancer registry not just as a research resource for high quality data, but also as a population-based virtual tissue repository (VTR). The population-based registry knows the location of the pathology labs where FFPE tissue from all cancer patient surgeries and biopsies occurring in the geographic area covered by the Registry are stored. Thus, the registry can draw a random (scientific) sample of cases for which tissue could be obtained and serve as the “honest broker” to obtain the tissue specimens. Obtaining a scientific sample of patient tissues allows the central registry to serve as a “population-based” VTR and elevates the science by facilitating studies with strong external validity.

The second area of research involves using population-based cancer registry data for outcomes research. Population-based central cancer registries are an excellent source of data for outcome studies that have strong external validity. Linking Registry records with Medicare claims has shown that the linkage process can add chemotherapy information to as many as 30% of the cancer cases and radiation therapy information to as many as 20% of the cases age 65 or older. Linking registry data with Medicare health claims provides nearly complete treatment information for people 65 or older. Thus, most of the cancer related outcomes studies in the U.S. have used data from the National Cancer Institute’s (NCI) Surveillance Epidemiology and End Results (SEER) Cancer Registries that have been linked to Medicare claims. However, all these studies are limited to cancer patients 65 or older. There is concern that the population under age 65 has a similar proportion of missing treatment information. To test this hypothesis, the records from a population-based cancer registry would need to be linked with all the health insurance claims, both public and private, covering the entire population served by the registry. In 2014 the Kentucky Cancer Registry (KCR) was awarded a CDC Special Interest Project (SIP) cooperative agreement to test this hypothesis. As a result of this project, KCR records were successfully linked with the health insurance claims from Medicare, Medicaid, the State Employees Insurance System, Humana and Anthem Blue Cross. More than 90% of patients in the KCR with health insurance linked with these health claims. Algorithms were created to extract the relevant treatment information including genomic testing and these additional data have been used to augment the KCR records. Linking central cancer registry records with health insurance claims creates a unique outcomes research dataset.

Personal Statement (Teaching)

Administrative responsibilities and multiple funded research projects have prevented me from being able to teach courses in recent years. However, teaching and mentoring students can be one of the most rewarding aspects of academic life. I consider it a great privilege to teach epidemiology and mentor students toward active productive careers. When I first began my academic career, I saw my role as giving lectures and imparting knowledge. This perspective is not necessarily wrong. Great lectures that engage students and expand their understanding can be useful. However, through reading, reflection, observing experienced teachers and listening to students, I soon discovered that focusing more on “learning” and less on “teaching” was both more effective and more satisfying. By focusing more on learning and less on teaching, I mean that having students more actively involved and less of me talking at them was more productive. Thus, over time, I have adopted a Socratic method when lecturing or explaining epidemiologic concepts. Engaging students in a dialogue or debate about a topic can help the student grasp the more subtle or nuanced aspects of a concept or method. To help the students internalize the ideas, I have included a number of active learning experiences in each course. For example, when I teach Cancer Epidemiology, each student is required to select a type of cancer (e.g. lung, breast, colon, pancreatic, cervical, prostate, etc.). Each student conducts independent research, prepares a descriptive analysis of the cancer site they have selected and presents their findings to the class. One of the best ways to learn something is when you are required to explain it to someone else. I also believe that it is important, especially for doctoral students, to have some classroom lecturing experience. Following the descriptive epidemiology activities, each student is provided with a de-identified data set of patients diagnosed

with the cancer type they have selected. These data sets are provided by the Kentucky Cancer Registry. Students are required to obtain IRB approval (this is coordinated with the IRB to ensure timeliness). The data set includes detailed information about each patient's age, sex, race, type of cancer, stage at diagnosis, histologic classification, residence at diagnosis (e.g. Appalachian, non-Appalachian; urban, rural), survival time, treatment, etc. Students are asked to conduct an analysis for the specific type of cancer they have selected comparing the survival of patients whose residence at diagnosis was Appalachian Kentucky to the survival of patients whose residence at diagnosis was the non-Appalachian area of the state using a proportional hazards model and controlling for age, stage, gender, race, etc. The students then prepare both a written description of their research and construct a scientific poster. The posters are presented in the atrium of the Markey Cancer Center and juried. This has proven to be a very valuable experience for students.

Preparing Socratic lectures, exercises, debates, and datasets for students to analyze as well as evaluating the effectiveness of these approaches takes considerable time. However, this extra effort is considered to be important. The active learning experiences have been well received by students and appear to be an effective method of helping students truly learn the material.

Serving on student capstone, thesis or dissertation committees is an important aspect of the mentoring process. This is a time when students move from being taught how to do something to actually doing it themselves. One of the reasons I feel that the active learning experiences included in my courses are so important is that they help prepare students for this transition. I have had the honor of serving on a number of student committees both as Chair and as a member. In this role, especially for Doctoral students, I try to function more as a colleague in that I meet frequently with the student (or candidate), help them think through issues, review written drafts, provide constructive feedback, suggest articles to read, etc. For some students, the role of mentor goes well beyond serving on their committee. These are students that I have had the privilege to work with as graduate assistants, part time employees or practicum students. In a number of cases I have been able to guide the students in their career choices and I have also been fortunate to hire several of these individuals to work in our Cancer Prevention and Control Program.

Personal Statement (Service)

Serving on committees; serving in leadership roles in local, state, national and international professional organizations; and serving as a reviewer for journal articles and/or research grants are part of the responsibility of any university faculty member. The concept of peer review is an essential component of academic life and providing leadership in our professional organizations is critical. It is difficult to imagine how our scholarly enterprise could function without these service activities. I have always taken these responsibilities seriously and I consider it my duty to contribute to these essential activities. However, it is also important to note that there are significant benefits that come from participating in these activities. Serving as a reviewer for journal articles provides insight into new and different research concepts and initiatives. Serving as a grant reviewer provides insight into current research topics, methods and strategies. Serving on review panels also helps you understand the review process and what reviewers are looking for. In addition, serving on review committees can help you build a network with investigators from other institutions. Serving in professional organization leadership roles can provide some of these same benefits. Serving in these roles also provides you with the opportunity to help form, shape and revise policies that can impact your scholarly activities.

Throughout my career I have been actively engaged in service activities. A complete list of these activities is included in my CV.