

Kevin A. Matthews, PhD
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CURRENT INSTITUTION

Centers for Disease Control and Prevention (Atlanta, GA) (July 2015 – present)

- Health Scientist, Office of Rural Health (March 2023 – present)
- Health Scientist (Policy), Office of the Associate Director for Policy and Strategy (November 2021 – March 2023)
- Associate Editor, Preventing Chronic Disease (October 2019 – Present)
- Research Geographer, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health (July 2015 – November 2021)

EDUCATION

Ph.D. Geography (2018)

University of Iowa, Iowa City, IA

M.S. Geography & Cartographic Sciences (1999)

George Mason University, Fairfax, VA

B.S. Geographic Information Science (1996)

James Madison University, Harrisonburg, VA

PUBLICATIONS

Kevin Matthews, Katie Spears, Charkarra Anderson-Lewis. (2025) [Rural Health Disparities: Contemporary Solutions for Persistent Rural Public Health Challenges](#). Preventing Chronic Disease.

Kevin Matthews, Murray C, Nguyen B, Spears K, Jeffers-Jackson E, Hall DM, McGuire LC. (2025) [Prevalence of Alzheimer's disease and related dementia diagnosis among older adults in rural America, by region and select demographic characteristics: 2020](#). Journal of Rural Health.

David DeLara, Jackson SL, Pollack, L, Wall H, Stolp H, **Matthews KA**, Chang A, Scheib L, Quinn P, Casper M. (2024) [County-Level Cardiac Rehabilitation and Broadband Availability: Opportunities for Hybrid Care in the United States](#). Journal of Cardiopulmonary Rehabilitation and Prevention.

Andria Apostolou, Kennedy, JL, Person MK, Jackson EM, Finke B, McGuire LC, **Matthews KA**. (2024) [Alzheimer's disease and related dementia diagnoses among American Indian and Alaska Native adults aged ≥ 45 years, Indian Health Service System, 2016-2020](#). Journal of the American Geriatrics Society

Kurtis M. Anthony, Ertl A, Leavitt RA, Crosby AE, Diduk-Smith RM, **Matthews, KA**. (2023) [Detection of Suicide Clusters using Small-Area Geographic Data from the Virginia Violent Death Reporting System, 2010 – 2015](#). *Virginia Journal of Public Health*

Jeremy Mennis, **KA Matthews**, SL Huston. (2022) [Guest Editorial: Geospatial Perspectives on the Intersection of Chronic Disease and COVID-19](#). *Preventing Chronic Disease*

Kurt Greenlund, Hua Lu, Yan Wan, **KA Matthews**, Jennifer LeClercq, Benjamin Lee, Susan Carlson. (2022) [PLACES: Local Data for Better Health](#). *Preventing Chronic Disease*

Alycia Bayne, Rachel Singer, Candace Spradley, Lauren Isaacs, Eva Jeffers, Benjamin Olivari, **KA Matthews**, Alaina Whitton. (2021) [Meeting Needs of Diverse Older Adults and Caregivers During Public Health Emergencies: What Can We Learn From COVID-19?](#) *Innovation in Aging*

Kevin Matthews, Fred Ullrich, Anne Gaglioti, Susan Dugan, May Chen, and Diane Hall. (2021) [Nonmetropolitan COVID-19 incidence and mortality rates surpassed metropolitan rates within the first 24 weeks of the pandemic declaration: United States, March 1 - October 18, 2020](#). *Journal of Rural Health*.

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Kevin Matthews, Anne Gaglioti, Wei Xu, James Holt, Anne Wheaton, and Janet Croft. [Estimating health service utilization potential using the supply-centric demand-accumulation spatial availability index: a pulmonary rehabilitation case study](#). *International Journal of Health Geographics* 19, no. 1 (2020)

Kevin Matthews, Anne Gaglioti, James Holt, Janet Croft, Lisa McGuire, and Kurt Greenlund. [County-level Concentration of Selected Chronic Conditions Among Medicare Fee-for-Service Beneficiaries and its Association with Medicare Spending in the United States, 2017](#). *Journal of Population Health Management* (2020)

Kevin Matthews, Amanda Kahl, Anne Gaglioti, and Mary Charlton. [Differences in travel time to treatment for colon versus rectal cancer in a rural state](#). *Journal of Rural Health* (2020).

Wang, Yan, Xingyou Zhang, Hua Lu, **KA Matthews**, and Kurt Greenlund. [Intercensal and postcensal estimation of population size for small geographic areas in the United States](#). *International Journal of Population Data Science* 5, no. 1 (2020).

James Holt, **KA Matthews**, Hua Lu, Yan Wang, Jennifer LeClercq, Kurt Greenlund, Craig Thomas. [Using model-based small area estimates from a nationwide health survey to provide near-real-time estimates of populations with chronic conditions for community preparedness for public health emergencies](#). *American Journal of Public Health* (2019)

Kevin Matthews, Anne Gaglioti, James Holt, Anne Wheaton, and Janet Croft. [Using spatially adaptive floating catchment areas to measure the geographic availability of a health care service: Pulmonary rehabilitation in the southeastern United States](#). *Health & Place* (2019)

Kevin Matthews, Anne Gaglioti, Wei Xu, James Holt, Janet Croft, Dominic Mack, and Lisa McGuire. [Racial and ethnic estimates of Alzheimer's disease and related dementias in the United States \(2015–2060\) in adults aged ≥ 65 years](#). *Alzheimer's & Dementia*. (2018)

Lundeen, Elizabeth A., Sohyun Park, Liping Pan, Terry O'Toole, **KA Matthews**, and Heidi Blanck. [Differences in Prevalence of Self-Reported Obesity among Adults in Metropolitan and Nonmetropolitan Areas — United States, 2016](#). *MMWR* 67:23 (2018).

Kevin Matthews. Dissertation: [Spatiotemporal correlation analysis of colorectal cancer late-stage incidence, mortality, and survival: Iowa, 1999 to 2010](#). University of Iowa; Advisors Gerard Rushton and Margaret Carrel (2018)

Croft, Janet B., Anne Wheaton, Yong Liu, Fang Xu, Hua Lu, **KA Matthews**, Timothy Cunningham, Yan Wang, and James Holt. [Urban-rural and state differences in chronic obstructive pulmonary disease \(COPD\) prevalence, Medicare hospitalizations, and mortality—United States, 2015](#). *MMWR Report* 67:7 (2018)

Wang, Yan, James Holt, Xingyou Zhang, Hua Lu, Snehal Shah, Daniel Dooley, **KA Matthews**, and Janet Croft. [Comparison of methods for estimating prevalence of chronic diseases and health behaviors for small geographic areas: Boston Validation Study, 2013](#). *Preventing Chronic Disease* (2017)

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Kevin Matthews, Janet B. Croft, Yong Liu, Hua Lu, Dafna Kanny, Anne Wheaton, Timothy Cunningham, Laura Kettel-Khan, Ralph Caraballo, James Holt, Paul Eke, and Wayne Giles. [Health-related behaviors by urban-rural county classification—United States, 2013](#). *MMWR. Surveillance Summary* 66 (2017)

Kevin Matthews, James Holt, Anne Gaglioti, Kim Lochner, Carla Shoff, Lisa McGuire, and Kurt Greenlund. [County-level variation in per capita spending for multiple chronic conditions among Fee-for-Service Medicare beneficiaries, United States, 2014](#). *Preventing Chronic Disease* 13 (2016)

Beyer, Kirsten M.M., Yuhong Zhou, **KA Matthews**, Amin Bermanian, Purushottam Laud, and Ann B. Nattinger. [New spatially continuous indices of redlining and racial bias in mortgage lending: links to survival after breast cancer diagnosis and implications for health disparities research](#). *Health & Place* 40 (2016)

Beyer, Kirsten M. M., Yuhong Zhou, **KA Matthews**, Amin Bermanian, Purushottam Laud, and Ann Nattinger. [Breast and colorectal cancer survival disparities in the MCW Cancer Center catchment area: opportunities for cancer control](#). *Wisconsin Medical Journal* (2016)

Charlton, Mary E., **KA Matthews**, Anne Gaglioti, Camden Bay, Bradley D. McDowell, Marcia M. Ward, and Barcey T. Levy. [Is travel time to colonoscopy associated with late-stage colorectal cancer among Medicare beneficiaries in Iowa?](#) *The Journal of Rural Health* (2016)

Ward, Marcia M., Fred Ullrich, **KA Matthews**, Gerard Rushton, Roger Tracy, and Charles Lynch. [Where do Iowa cancer patients get radiation therapy?](#) *Journal of Oncology Practice* (2014)

Ward, Marcia M., Fred Ullrich, **KA Matthews**, Gerard Rushton, Roger Tracy, Dean Bajorin, Michael Goldstein, Michael Kosty, Suanna Bruinooge, Amy Hanley, and Charles Lynch. [Access to chemotherapy services by availability of local and visiting oncologists in Iowa](#). *Journal of Oncology Practice* (2014)

Ward, Marcia M., Fred Ullrich, **KA Matthews**, Gerard Rushton, Michael Goldstein, Dean Bajorin, Amy Hanley, and Charles Lynch. [Who does not receive treatment for cancer?](#) *Journal of Oncology Practice* (2013)

Norman, Oliver M., **KA Matthews**, Mir Siadaty, Fern Hauck, and Linda Pickle. Geographic bias related to geocoding in epidemiologic studies. *International Journal of Health Geographics* 4 (2005).

AWARDS

- Centers for Disease Control, National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) Director's Award for Most Influential Publication Award 2020 for "Racial and ethnic estimates of Alzheimer's disease and related dementias in the United States (2015–2060) in adults aged ≥ 65 years"
- The Journal of the American Geriatrics Society: 2024 Top Ethnogeriatrics Paper Award for "Alzheimer's disease and related dementia diagnoses among American Indian and Alaska Native adults aged ≥45 years, Indian Health Service System, 2016–2020"

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SERVICE

- Guest Editor, Preventing Chronic Disease, Rural Health Disparities: Contemporary Solutions for Rural Public Health Challenges. (July 2025)
- CDC Health Equity Manuscript Development Program (January 2023 – September 2023)
- Guest Editor, Preventing Chronic Disease, Geospatial Perspectives on the Intersection of Chronic Disease and COVID-19. (July 2023)
- COVID-19 Pandemic Response: Older Adult Unit Lead (November 2020 – January 2021)
- COVID-19 Pandemic Response: Rural Health Unit Lead (June 2020 – September 2020)
- Associate Editor, Preventing Chronic Disease (November 2019 – Present)
- Association of American Geographers, Health and Medical Geography Specialty Group, Vice-chair and chair (2019-2021)
- Dissertation committee member: Wei Xu, Socio-spatial disparities in dementia mortality in the United States. The University of Wisconsin-Milwaukee (2019)
- Association of American Geographers, Health and Medical Geography Specialty Group, Webmaster (2012-2018)

WORK HISTORY

- PhD Student/Research, University of Iowa, Iowa City, IA (September 2009-May 2015)
- Research Urban Planner, Arlington Virginia Government, Arlington, VA (January 2008 to August 2009)
- County Demographer, Prince William County, VA (12/2006 to 12/2007)
- GIS Specialist, University of Virginia Health System, Charlottesville, VA (10/2004 to 11/2006)
- Social Science Research Analyst, US Department of Commerce, Washington, DC (11/2000 to 10/2004)
- Survey Statistician, US Department of Commerce, Census Bureau, Suitland, MD (02/1999 to 10/2000)