

JOHN E. STEWART

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EDUCATION

PhD, Health Services Policy and Management, 2018
University of South Carolina, Columbia, SC

- Dissertation: *Residential Mobility and Enrollment Churn in a Medicaid Population*
- Dissertation Committee
Janice C. Probst, PhD (Chair and Advisor)
James W. Hardin, PhD
Sudha Xirasagar, PhD
Ana Lopez-DeFede, PhD

MPH, Epidemiology, 2000
University of South Carolina, Columbia, SC

MS, Geography/Geographic Information Science, 1998
University of South Carolina, Columbia, SC

BA, Psychology, 1987
University of Kansas, Lawrence, KS

PROFESSIONAL EXPERIENCE

Assistant Professor

Stephen F. Austin State University, Department of Kinesiology & Health Science, Nacogdoches, TX, 9/19 to Present

Develop and teach university-level courses in the Health Science; design and conduct original public health research studies; provide professional consultation and service to the Department, University, profession and community.

Instructor of Record

- **HLTH 1304: Core Concepts in Health**
(Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2022*, Spring 2022)
- **HLTH 3310: Public Health Theory and Research**
(Spring 2023)
- **HLTH 3337: Consumer Health**
(Fall 2019, Spring 2020)

Instructor of Record (continued)

- **HLTH 3345: Epidemiology**
(Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023)
- **HLTH 3351: Substance Prevention Education**
(Fall 2020, Summer 2021, Fall 2021, Spring 2022, Summer 2022, Spring 2023, Summer 2023)
- **HLTH 4325: Social Health and Sexual Interaction**
(Summer 2023)
- **HLTH 4336: Environmental Health & Ecology**
(Spring 2020, Fall 2020, Spring 2021*, Fall 2021*, Spring 2022, Fall 2022, Spring 2023)
* multiple sections in single semester

Senior Research Associate

University of South Carolina, Institute for Families in Society (IFS), Columbia, SC, 6/08 to 6/19

Participate in the design of complex geographic, epidemiological, and statistical health studies; manage GIS studies, personnel and system infrastructure; present program information to academic and professional audiences; co-author technical reports and scholarly papers; mentor graduate students affiliated with IFS projects.

Instructor of Record

- GEOG 105: The Digital Earth
(Fall 2018, Spring 2019)

Geographic Information Systems (GIS) Manager II

University of South Carolina, Institute for Families in Society, Columbia, SC, 7/02 to 7/06, 6/07 to 6/08

Managed complex geographic, epidemiological, and statistical health studies; managed GIS personnel and system infrastructure; presented program information to professional and community groups; co-authored technical reports and scholarly papers.

Research Associate/GIS Analyst

Institute for Families in Society, University of South Carolina, Columbia, SC, 7/98 to 6/02

Developed and implemented GIS applications to strengthen interdisciplinary studies of family and community health.

Research Assistant

Institute for Families in Society, University of South Carolina, Columbia, SC
9/96 to 6/98

Developed a GIS database of demographic, health, and socioeconomic indicators for South Carolina; used a GIS to identify and map socioeconomically disadvantaged census block groups in South Carolina; wrote a computer program to simulate the effects of population size and minority proportion on a measure of residential segregation (index of dissimilarity).

PROFESSIONAL DEVELOPMENT

Certification

- SFASU CTL Online Instructor Certification (November, 2021)

Training

- Foundations of Teaching and Learning. Stephen F. Austin State University (September-December, 2019)
- Journal Feedback: Get Your Scientific Paper Published. Webinar (April, 2019)
- Diversity and Inclusion Training. University of South Carolina (December, 2018)
- Harassment and Discrimination Prevention Training. University of South Carolina (December, 2018)

PROFESSIONAL MEMBERSHIPS

- American Public Health Association (APHA)
- Society for Public Health Education (SOPHE)
- Texas Association for Health, Physical Education, Recreation & Dance (TAHPERD)

SCHOLARLY ACTIVITY

Peer-reviewed Publications

Stewart J.E., Rice, S. (2022). In challenging times: mindfulness for students and teachers. *TAHPERD Journal*, 90(1).

López-De Fede A., **Stewart J.E.** Diagnosed diabetes prevalence and risk factor rankings by state (2014-2016): a ring map visualization. *Preventing Chronic Disease*, 16.

White, K., **Stewart, J.E.**, López-De Fede A., Wilkerson, R.C. (2016). Small-area variation in hypertension prevalence among black and white Medicaid enrollees. *Ethnicity & Disease*, 26(3):331-338.

López-De Fede A., **Stewart J.E.**, Hardin J.W., Mayfield-Smith K. (2016). Comparison of small-area deprivation measures as predictors of chronic disease burden in a low-income population. *International Journal for Equity in Health*, 15:89.

Battersby, S.E., **Stewart, J.E.**, López-De Fede A., Remington, K.C., Mayfield-Smith, K. (2011). Ring maps for spatial visualization of multivariate epidemiological data. *Journal of Maps*, 2011: 564-572. [Shortlisted for Best Map Award, Journal of Maps, 2011.]

López-De Fede A., **Stewart J.E.**, Hardin J.W., Mayfield-Smith K., Sudduth D. (2011). Spatial visualization of multivariate data sets: an analysis of STD and HIV/AIDS incidence and socioeconomic context using ring maps. *Public Health Reports*, 126(Suppl 3):115-126.

López-De Fede A., Hardin J.W., Mayfield-Smith K.L., Liu Q., Payne, T., **Stewart, J.E.**, Brantley, V. (2011). Does health plan type contribute to difference in diabetes care? *Journal of the South Carolina Medical Association*, 107:17-20.

Peer-reviewed Publications (continued)

Stewart J.E., Battersby S.E., Lòpez-De Fede A, Remington K.C., Hardin J.W., Mayfield-Smith K. (2011). Diabetes and the socioeconomic and built environment: geovisualization of disease prevalence and potential contextual associations using ring maps. *International Journal of Health Geographics*, 10:18.

Lòpez-De Fede A., Hardin, J.W., Mayfield-Smith, K., Liu, Q., Payne, T., **Stewart, J.E.**, Brantley, V. (2010). Associations between mental health and diabetes: findings from the South Carolina Medicaid Managed Care Program in 2006-2008. *Ethnicity & Disease*, 20(3):239-243.

Lòpez-De Fede A., **Stewart, J.E.**, Harris, M.J., Mayfield-Smith, K. (2008). Tuberculosis in socioeconomically deprived neighborhoods: missed opportunities for prevention. *International Journal of Tuberculosis and Lung Disease*, 12(12):1425-1430(6).

Hirshorn, B.A., **Stewart, J.E.** (2003). Geographic Information Systems in Community-Based Gerontological Research and Practice. *Journal of Applied Gerontology*, 22(1): 134-151.

Manuscripts In Development

Stewart J.E., Probst, J., Lòpez-De Fede A., Hardin J.W., Xirasagar, S. Medicaid members on the move: a descriptive study of residential mobility among South Carolina Medicaid beneficiaries. (To be submitted to *Population, Space and Place*.)

Stewart J.E., Probst, J., Lòpez-De Fede A., Xirasagar, S., Hardin J.W. Movers and churners: residential mobility and enrollment discontinuity in a state Medicaid system. (To be submitted to *Population Health Management*.)

Book Contributions

Slocum, T. A., McMaster, R. B., Kessler, F. C., & Howard, H. H. (2022). *Thematic cartography and geovisualization*. CRC Press. Chapter 22: 406. Ring maps: an alternative to conventional symbolization approaches. 406; map reprinted with permission from Battersby, S.E., **Stewart, J.E.**, Lòpez-De Fede A., Remington, K.C., Mayfield-Smith, K. (2011).

Conference Proceedings

Pulugurtha, S.S., Hirshorn, B.A., Krishnakumar, K.K. and **Stewart, J.E.** (2006). Transportation Network Analysis to Access Community Resources by Older Populations. *ASCE Proceedings of the Ninth International Conference on Applications of Advanced Technology in Transportation*, p (677-682).

Other Journal/Popular Press Articles

Rice, S., and **Stewart, J.E.** Connecting Mindfulness and the Affective Learning Domain. Accepted by *Strategies: A Journal for Physical and Sports Educators*, May/June 2024.

Stewart, J., Shoultz, J., Lòpez-De Fede, A., and Mayfield-Smith, K. (Winter 2014). No GIS Experience Required: Format Supports Decision Makers and Better Outcomes. *ArcUser*. ESRI: Redlands, CA.

National Presentations

Oral presentations unless noted otherwise

[Poster] **J. Stewart** and E. Collins. Sculpting for Earth: Eco-art to promote environmental health literacy. Annual Meeting of the American Public Health Association, Boston, MA; November 2022.

[Virtual Workshop] **J. Stewart**, S. Rice. In stressful times: mindfulness methods to promote mental health. Society for Public Health Education, SOPHE Annual Conference, Virtual; March 2022.

J. Stewart. Picture a story: communicating health information through graphic online storytelling. Annual Meeting of the American Public Health Association, Denver, CO/Virtual; October 2021.

[Poster] **J. Stewart**. Movers and churners: residential relocation and enrollment discontinuity in a state Medicaid system. Annual Meeting of the American Public Health Association, Virtual; October 2020.

J. Stewart, A. Lòpez-De Fede, R. Wilkerson, and K. Mayfield-Smith. Rural hospital closures increase distance to hospital-based care for populations most vulnerable to environmental hazards. Annual Meeting of the American Public Health Association, Atlanta, GA; November 2017.

J. Stewart, A. Lòpez-De Fede, R. Wilkerson, and K. Mayfield-Smith. Providing actionable data to strengthen health programming for the uninsured: A user-interactive, geo-referenced environmental scan. Annual Meeting of the American Public Health Association, Atlanta, GA; November 2017.

R. Wilkerson, A. Lòpez-De Fede, **J. Stewart**, and K. Mayfield-Smith. A data integration, mapping, and analysis tool to strengthen maternal and child health policy and program development. Annual Meeting of the American Public Health Association, Atlanta, GA; November 2017.

R. Wilkerson, A. Lòpez-De Fede, **J. Stewart**, and K. Mayfield-Smith. Identifying children at increased risk for elevated blood lead levels: A geospatial approach. Annual Meeting of the American Public Health Association, Atlanta, GA; November 2017.

A. Lòpez-De Fede, **J. Stewart**, and K. Mayfield-Smith. Health data visualization with ring maps. ESRI User Conference, San Diego, CA; July 2014.

A. Lòpez-De Fede, R. Wilkerson, **J. Stewart**, and K. Mayfield-Smith. GIS strengthens health services policy and programming. ESRI User Conference, San Diego, CA; July 2014.

A. Lòpez-De Fede, K. Mayfield-Smith, **J. Stewart**, R. Wilkerson, A. Yara, B. Shofner. Health disparities story map conception and technical implementation. ESRI User Conference, San Diego, CA; July 2014.

A. Lòpez-De Fede, **J. Stewart**, and K. Mayfield-Smith. A healthography approach: mapping maternal and child health data to more effectively target local needs. Annual Meeting of the American Public Health Association, New Orleans, LA; November 2014.

A. Lòpez-De Fede, K. Mayfield-Smith, B. Wilkerson, and **J. Stewart**. Mapping the story of health disparities. ESRI Health GIS Conference. Colorado Springs, CO; November 2014.

National Presentations (continued)

Oral presentations unless noted otherwise

J. Stewart, B. Wilkerson. Use of South Carolina address point reference data improves geospatial health and health services analysis. Annual Conference, National States Geographic Information Council. Charleston, SC; September 2014.

J. Stewart, J. Probst. Assessing potential urban/rural differences in the association of small area socioeconomic disadvantage and distance to trauma-rated hospital care. Multi-Racial and Multicultural Conference, National Rural Health Association. Asheville, NC; December 2012.

J. Stewart, A. Lòpez-De Fede, R. Richard, K. Mayfield-Smith, D. Sudduth, and M. Rodgers. Using GIS to inform the evaluation of Medicaid managed care programs. ESRI Health GIS Conference. Nashville, TN; September 2009.

[Poster] A. Lòpez-De Fede, **J. Stewart**, K. Mayfield-Smith, and Q. Liu. Geographic access to OB/GYN care: Does Medicaid plan type make a difference? AcademyHealth Annual Research Meeting. Chicago, IL; June 2009.

[Poster] **J. Stewart**, A. Lòpez-De Fede, K. Mayfield-Smith, and D. Sudduth. Ring maps: Multivariate geographic data presentation for behavioral health planners. AcademyHealth Annual Research Meeting. Chicago, IL; June 2009.

S. Pulugurtha, B. Hirshorn, K. Krishnakumar, and **J. Stewart**. Transportation Network Analysis to Access Community Resources by the Elderly. Applications of Advanced Technology in Transportation Conference. Chicago, IL; August 2006.

[Poster] **J. Stewart** and A. Lòpez-De Fede. Geographic Access to Primary Care Physicians Accepting Medicaid: Evidence of a Racial Disparity in Rural South Carolina. AcademyHealth Annual Research Meeting. Seattle, WA; June 2006.

[Poster] **J. Stewart** and A. Lòpez-De Fede. Identifying Subpopulations at High Risk for Tuberculosis in the United States: A Low-Cost Approach Using Census-Based Indicators. AcademyHealth Annual Research Meeting. Seattle, WA; June 2006.

[Poster] **J. Stewart**, A. Lòpez-De Fede and A. Wyatt. Putting Medicaid Providers on the Map: An Evaluation of Address Record Quality in a State-Level Medicaid Provider Database. AcademyHealth Annual Research Meeting. Seattle, WA; June 2006.

[Poster] S. Pulugurtha, B. Hirshorn, K. Krishnakumar, and **J. Stewart**. Access to Community Resources for the Elderly: An Illustration Based on Transportation Network Analysis. 85th Annual Meeting of the Transportation Research Board. Washington, DC; January 2006.

[Poster] **J. Stewart** and A. Lòpez-De Fede. Distance to Hospital-Based Perinatal Care for At-Risk African American Women in the Nonmetropolitan South. Annual Meeting of the American Public Health Association. Washington, DC; November 2004.

[Poster] **J. Stewart** and A. Lòpez-De Fede. Rural/Urban and Racial Disparities in Geographic Access to Hospital-Based Perinatal Care in South Carolina. AcademyHealth Annual Research Meeting. San Diego, CA; June 2004.

J. Stewart. Mapping the Census: Geographic Visualization Methods to Improve Public Health Planning for Community-Based Populations. Annual Meeting of the American Public Health Association. San Francisco, CA; November 2003.

J. Stewart and B. Hirshorn. Geographic Information System Assessment of At-Risk Older Populations in a South Carolina Public Health Service Region. AcademyHealth Annual Research Meeting. Nashville, TN; June 2003.

[Poster] (B. Hirshorn and **J. Stewart**). Using GIS to Identify and Plan for At-Risk Older Populations. Annual Meeting of the Gerontological Society of America. Chicago, IL; November 2001.

REGIONAL PRESENTATIONS

Oral presentations

J. Stewart. Acknowledging student stress: mindfulness and physical stress reduction activities for health and wellness classes. Western Society for Kinesiology and Wellness, 65th Annual Conference, Virtual; October 2020.

J. Stewart and A. Lòpez-De Fede. TB and health disparities: A three-state analysis. Southeastern TB Controllers Meeting. Louisville, KY; October 2005.

M. Omori, A. Lòpez-De Fede and **J. Stewart**. Racial inequality in high-risk cesarean deliveries among South Carolina Medicaid recipients: Preliminary evidence for a neighborhood effect. Annual Meeting of the Southern Demographic Association. Hilton Head, SC; October 2004.

J. Stewart. Racial residential distribution and spatial access to South Carolina lakes. Annual Meeting of the Southern Demographic Association. Hilton Head, SC; October 2004.

J. Stewart and J. Jakubs. Racial residential segregation in the nonmetropolitan South, 1990-2000. Annual Meeting of the Southern Demographic Association. Miami, FL; October 2001.

J. Stewart Power in numbers: Using federal, state, and local data to build strong communities. The Duke Endowment. Third Annual Children and Families Conference. Charlotte, NC; October 2001.

J. Stewart and B. Hirshorn. Geographic information systems for gerontologists: Applications for community-based research and practice. Annual Meeting of the Southern Demographic Association. New Orleans, LA; October 2000.

J. Stewart. Multivariate analysis of infant mortality rates in African nations. Annual Meeting of the Southern Demographic Association. Memphis, TN; October 1996.

STATE PRESENTATIONS

Oral presentations

J. Stewart. Health behavior theories for youth weight management. Texas Association of Health Physical Education Recreation and Dance, 39th Annual TAHPERD Summer Conference. San Marcos, TX; July 2023.

J. Stewart. How far to health? Texas Association of Health Physical Education Recreation and Dance, 37th TAHPERD 99th Annual Convention. Corpus Christi, TX; December 2022.

S. Rice, **J. Stewart**. Mindfulness: equipping our students to better manage stress. Texas Association of Health Physical Education Recreation and Dance, 37th Annual TAHPERD Summer Conference. San Marcos, TX; July 2021.

STATE PRESENTATIONS continued

Oral presentations

J. Stewart. Community needs and resource assessment strategies. First Steps to School Readiness Training Conference. Greenville, SC; February 2000.

J. Stewart. Profile of economic and social poverty in South Carolina. Rural Poverty Media Workshop. Columbia, SC; November 1998.

J. Stewart. What the Southeast looks like and how it is changing. Symposium on Life in the Rural South. Columbia, SC; January 1998.

UNIVERSITY & LOCAL PRESENTATIONS

Oral presentations

J. Stewart. Street smart: interactive learning using Google Street View. Stephen F. Austin State University, Center for Teaching and Learning, Teaching Showcase. Nacogdoches, TX; February 2020.

J. Stewart, S. Rice. Mindfulness. Stephen F. Austin State University, Steen Library, Reemergence Lecture Series. Nacogdoches, TX; November 2021.

S. Rice, **J. Stewart.** Mindfulness and Movement in the classroom. Stephen F. Austin State University, Center for Teaching and Learning, Camp CTL. Nacogdoches, TX; August 2021.

J. Stewart. Linked learning objectives using edible teaching aids. Stephen F. Austin State University, Center for Teaching and Learning, Teaching Showcase. Nacogdoches, TX; February 2020.

A. Lòpez-De Fede, **J. Stewart**, R. Wilkerson, and K. Mayfield-Smith. Evaluating disparities in access to primary care for South Carolina Medicaid recipients: Race, rurality, and persistent poverty make a difference. 7th Annual James E. Clyburn Health Disparities Lecture. Columbia, SC: University of South Carolina, Institute for Partnerships to Eliminate Health Disparities; April 2014.

J. Stewart. Residential segregation in the nonmetropolitan South. University of South Carolina Office of Multicultural Student Affairs Black History Month Teach-In. Columbia, SC; February 2001.

J. Stewart. Persistent poverty and community distress in South Carolina. Lower Savannah Region. USC-Salkehatchie Grant Development Seminar. Allendale, SC; August 1998.

J. Stewart. Demographic and socioeconomic characteristics of the Golden Strip Community. Golden Strip Human Resource Center Retreat. Simpsonville, SC; May 1998.

ACADEMIC SERVICE

University-level (Stephen F. Austin State University)

- President's Innovation Fund Committee, Member (September 2022 to October 2022)
- Student Conduct Hearing Committee, Member (September 2021 to December 2021)

College-level (SFA Perkins College of Education)

- Curriculum Committee, Member (August 2022 to present)
- Assessment Oversight Committee, Member (October 2020 to June 2022)

Departmental-level (SFA, PCOE Department of Kinesiology and Health Science)

- Department Chair/Unit Head Search Committee, Member (October 2022 –May 2023)
- Assistant Professor Search Committee, Member (December 2022 –August 2023)
- Scholarship Committee, Member and current Chair (January 2020 –present)

PROFESSIONAL SERVICE

Texas Association of Health Physical Education Recreation and Dance (TAHPERD),
Health Committee, Member
(January 2022 to present)

Manuscript Reviewer

- International Journal of Health Geographics (2014)
- American Journal of Public Health (2011, 2012)

Abstract Reviewer: American Public Health Association (APHA) Annual Meeting

- Community Health Planning and Policy Development Section
(2020, 2021, 2022)
- Medical Care Section
(2018, 2020)
- Environment Section
(2021, 2022)

MHA Residency Report, Second Reader, HSPM Department, University of South Carolina
(2014, 2015, 2016)

ACADEMIC HONORS

- Graduate School Fellow (University of South Carolina)
- Bernice C. Blich Fellow (University of South Carolina)
- Phi Beta Kappa
- Phi Kappa Phi
- Gamma Theta Upsilon
- Golden Key International Honour Society
- Graduation with Highest Distinction (University of Kansas)

PERSONAL

Enjoy hiking, photography, travel, and music.