

JOHN E. STEWART

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Columbia, SC 29201
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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

Cumulative GPA

Undergraduate: 4.0
Graduate: 4.0

HONORS

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

COURSES

Health Services Policy and Management

HADM 700	APPROACHES & CONCEPTS IN HEALTH ADMINISTRATION
HSPM 708	COST-BENEFIT ANALYSIS IN HEALTH
HSPM 711	HEALTH POLITICS
HSPM J712	HEALTH ECONOMICS
HSPM J713	INFORMATION SYSTEMS IN HEALTH ADMINISTRATION
HSPM 719	HEALTH SERVICES RESEARCH METHODS II
HSPM J730	FINANCING HEALTH CARE
HSPM 764	LONG-TERM CARE POLICY AND ADMINISTRATION
HSPM 790	CREATIVE METHODS IN HEALTH SERVICES RESEARCH
HSPM 845	TOPICS IN HEALTH POLICY & MANAGEMENT I
HSPM 846	TOPICS IN HEALTH POLICY & MANAGEMENT II

Epidemiology

EPID J700	INTRODUCTION TO EPIDEMIOLOGY
EPID 730	PUBLIC HEALTH SURVEILLANCE SYSTEMS
EPID 741	EPIDEMIOLOGIC METHODS I
EPID 742	EPIDEMIOLOGIC CONCEPTS-DISEASE/HEALTH
EPID 745	SEMINAR IN EPIDEMIOLOGY
EPID 765	REPRODUCTIVE EPIDEMIOLOGY

Biostatistics

BIOS 710	EFFECTIVE DATA MANAGEMENT IN PUBLIC HEALTH
BIOS 745	SEMINAR/BIOSTATISTICS
BIOS 757	INTERMEDIATE BIOMETRICS
BIOS 794S	SPATIAL EPIDEMIOLOGY: METHODS & APPLICATIONS
BIOS 810	SURVIVAL ANALYSIS

Geographic Information Science

GEOG 554	SPATIAL PROGRAMMING
GEOG 563	ADVANCED GEOGRAPHIC INFORMATION SYSTEMS
GEOG 564	CARTOGRAPHIC MODELING
GEOG 726	REMOTE SENSING II
GEOG 763	SEMINAR IN GEOGRAPHIC INFORMATION SYSTEMS

Related

ENHS 660	CONCEPTS OF ENVIRONMENTAL HEALTH
GEOG 546	APPLIED CLIMATOLOGY
GEOG 553	GEOGRAPHY OF AFRICAN RURAL DEVELOPMENT
HPEB 710	EVALUATING HEALTH PROMOTION PROGRAMS
HPEB 715	QUALITATIVE RESEARCH METHODS IN PUBLIC HEALTH
HPEB 748	COMMUNITY HEALTH DEVELOPMENT
HPRE 700	PUBLIC HEALTH EDUCATION CONCEPTS
PSYC 622	EXPERIMENTAL PSYCHOLOGY: SOCIAL BEHAVIOR
SOCY 749	TOPICS IN DEMOGRAPHY
SOWK 771	PSYCHOSOCIAL APPROACHES TO GERONTOLOGY

PROFESSIONAL EXPERIENCE

Senior Research Associate

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

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.

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).

Graduate Teaching Assistant

Department of Geography, University of South Carolina, Columbia, SC
8/95 to 9/96

Aided in the preparation and evaluation of introductory and urban geography course materials and examinations.

Post-Baccalaureate Student

Department of Geography, University of Kansas, Lawrence, KS
8/94 to 5/95

Completed pre-requisite geography classes to qualify for admission to a highly rated graduate geography program.

Work Enrichment Supervisor

Cottonwood Incorporated, Lawrence, KS
10/90 to 7/94

Provided learning, skill development, physical assistance, and transportation for persons with developmental disabilities in paid work, leisure, and community settings.

Book Scout

Self-Employed
7/89 to 10/90

Located, purchased, priced, and resold antiquarian, rare, and used books.

Youth Counselor

Lakemary, Paola, KS
10/87 to 6/89

Provided meaningful educational and leisure activities, physical assistance, and personal care for youth with developmental disabilities.

TEACHING**Instructor of Record**

GEOG 105: The Digital Earth, Department of Geography, University of South Carolina, Spring 2019
GEOG 105: The Digital Earth, Department of Geography, University of South Carolina, Fall 2018

Graduate Teaching Assistant

HSPM 791: Selected Topics (3-Week Study Abroad Experience in Mysore, India), Department of Health Services
Policy Management, University of South Carolina, Fall 2013
GEOG 103: Introduction to Geography, Department of Geography, University of South Carolina, Fall 1995
GEOG 224: Geography of North America, Department of Geography, University of South Carolina, Spring 1996

Training

Diversity and Inclusion Training. University of South Carolina (December, 2018)
Harassment and Discrimination Prevention Training. University of South Carolina (December, 2018)
Community Response to an Active Shooter Training, University of South Carolina (July, 2018)
University Classroom Teaching (Certificate). University of South Carolina (August, 1995)

PROFESSIONAL SERVICE

American Public Health Association Annual Meeting Abstract Reviewer (2019)
(Community Health Planning and Policy Development; Medical Care, Health Equity)
American Public Health Association Annual Meeting Abstract Reviewer (2018)
(Medical Care, Health Equity/Rural and Frontier Health)
Manuscript Reviewer, International Journal of Health Geographics (2014)
Manuscript Reviewer, American Journal of Public Health (2012)
Manuscript Reviewer, American Journal of Public Health (2011)
MHA Residency Report, Second Reader, HSPM Department, University of South Carolina (2016)
MHA Residency Report, Second Reader, HSPM Department, University of South Carolina, HSPM (2015)
MHA Residency Report, Second Reader, HSPM Department, University of South Carolina, HSPM (2014)

PROFESSIONAL DEVELOPMENT

Journal Feedback: Get Your Scientific Paper Published (Webinar). Principal Investigator Leader (Certificate, 2018)
Public Health Disparities Geocoding Project Training Course. Harvard University (Certificate, 2006)

PROFESSIONAL MEMBERSHIPS

American Association of Geographers (AAG)
American Public Health Association (APHA)

CURRENT 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*.)

PEER- REVIEWED PUBLICATIONS

Lòpez-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.**, Lòpez-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.

Lòpez-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.**, Lòpez-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.]

Lòpez-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.

Lòpez-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.

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.

López-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.

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).

POPULAR PRESS ARTICLES

Stewart, J., Shoultz, J., López-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

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

A. López-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. López-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. López-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. López-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.

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.

Poster (A. Lòpez-De Fede, K. Mayfield-Smith, A. Keck and **J. Stewart**). Meeting CMS requirements to ensure access to care for Medicaid recipients: A longitudinal multi-method approach. AcademyHealth Annual Research Meeting. Orlando, FL; June 2012.

Poster (A. Lòpez-De Fede, **J. Stewart**, J. Hardin, K. Mayfield-Smith, and A. Keck). Palmetto Small Area Deprivation Index: A new tool for Medicaid health services research and practice. AcademyHealth Annual Research Meeting. Orlando, FL; June 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

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.

Invited Speaker. 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

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

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

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

LOCAL PRESENTATIONS

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.

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

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

WEBINAR PRESENTATIONS

J. Stewart. Using the South Carolina Department of Juvenile Justice (SC DJJ) Youth Environmental Scan. May 2017.

J. Stewart. Using the Healthy Outcomes Plan (HOP) Environmental Scan Version 2.0. March 2016.

PERSONAL

Enjoy hiking, photography, reading, travel, and music.