

## Aki Michimi, Ph.D.

Department of Geography, University of Connecticut, Storrs, CT 06269-4148

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### PROFESSIONAL APPOINTMENTS

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#### Adjunct Faculty Positions

Department of Geography, University of Connecticut, Storrs, CT	2018-current
Department of Political Science, Philosophy, Geography, Eastern Connecticut State University, Willimantic, CT	2016-current
Department of Sociology, Emmanuel College, Boston, MA	2016-current

#### Research Assistant Professor

Department of Public Health, Western Kentucky University, Bowling Green, KY	2011-2015
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#### Postdoctoral Research Associate

Geospatial Sciences Center of Excellence, South Dakota State University, Brookings, SD	2008-2011
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#### Instructor

Department of Geography, University of Connecticut	2005-2008
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#### Instructor

Department of Geography, California State University, Los Angeles	2003-2004
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### EDUCATION

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Ph.D., Geography, University of Connecticut	2008
M.A., Geography, California State University, Los Angeles	2004
GIS, Remote Sensing, & Cartography Certificate, California State University, Los Angeles	2003
B.A., Geography, University of Oregon	1996

### RESEARCH INTERESTS

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- Health geography (social and environmental determinants of health, public health research)
- Economic and urban geography (U.S. metropolitan economy, economic sectors and regional development, occupational structure)
- Population metrics (health surveillance data analysis, spatial demography, urban-rural dichotomy)
- Geographic Information Systems, Geo-visualization for the Web
- Quantitative methods, spatial statistics, database management

### PUBLICATIONS

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*Peer-Reviewed Manuscripts* (\* denotes student)

1. **Michimi, A.** and Berentsen, W.H. (2008). Small Business Establishment Profiles and Rapid Population Growth in Sunbelt Metropolitan Areas: 1995-2005. *Urban Geography* 29(6), 526-555.
2. **Michimi, A.** (2010). Modeling Coronary Heart Disease Prevalence in Regional and Sociodemographic Contexts. *Health & Place* 16(1), 147-155.
3. **Michimi, A.** and Wimberly, M.C. (2010). Spatial Patterns of Obesity and Associated Risk Factors in the Conterminous U.S. *American Journal of Preventive Medicine* 39(2), e1-12.
4. Wimberly, M.C., **Michimi, A.**, and Specker, B.L. (2010). Rural Health and Rural Landscapes: An Ecological Approach to the Study of Obesity. *Rural Connections* September 5(1), 15-20.
5. **Michimi, A.** and Wimberly, M.C. (2010). Associations of Supermarket Accessibility with Obesity and Fruit and Vegetable Consumption in the Conterminous United States. *International Journal of Health Geographics* 9, 49.

6. **Michimi, A.** and Wimberly, M.C. (2012). Natural Environments, Obesity, and Physical Activity in Nonmetropolitan Areas of the United States. *Journal of Rural Health* 28(4), 398-407.
7. Ellis-Griffith, G., **Michimi, A.**, English, G., and Peterson, T. (2013). REDCap and Rural Health: An Opportunity to Enhance Collaborative Research and Rural Health Care Delivery. *International Journal of Reliable and Quality E-Healthcare* 2(1), 26-42.
8. **Michimi, A.**, Ellis-Griffith, G., Nagy, C., and Peterson, T. (2013). Coronary Heart Disease Prevalence and Occupational Structure in U.S. Metropolitan Areas: A Multilevel Analysis. *Health & Place* 21, 192-204.
9. Dawkins\*, E., **Michimi, A.**, Ellis-Griffith, G., Peterson, T., Carter, D., and English, G. (2013). Dental Caries among Children Visiting a Mobile Dental Clinic in South Central Kentucky: A Pooled Cross-sectional Study. *BMC Oral Health* 13, 19.
10. **Michimi, A.**, Ellis-Griffith, G., Lartey, G., Ellis-Griffith, C., and Hunt, M. (2014). Variability between Self-reported Diabetes and Measured Glucose among Health Screening Participants in South Central Kentucky. *Primary Care Diabetes* 8(1), 31-38.
11. Roka\*, R., **Michimi, A.**, and Macy, G. (2015). Association between Body Mass Index and Waist Circumference and Hypertension in U.S. Adults: A Comparative Analysis by Gender. *High Blood Pressure and Cardiovascular Prevention* 22(3), 265-273.
12. **Michimi, A.** and Wimberly, M.C. (2015). The Food Environment and Adult Obesity in U.S. Metropolitan Areas. *Geospatial Health* 10(368), 223-231.
13. Nicholson, T., Duncan, D., Ellis-Griffith, G, and **Michimi, A.** (2016). Macroeconomics and Drug Use: A Review of the Literature and Hypotheses for Future Research. *International Journal of Criminology and Sociology* 5, 41-54.

*Conference Proceedings/Abstracts*

14. **Michimi, A.** (2011). Physical and Social Environmental Impacts on Obesity and Risk Factors in the United States. *URISA GIS in Public Health Conference*.
15. Wimberly, M.C., **Michimi, A.**, Specker, B.L. (2012). Influences of Physical and Social Landscapes on the Health of Rural Communities. *Journal of Nutrition Education and Behavior* 44(4), S86.

*Maps, Web Atlas and Web GIS*

16. Wimberly, M.C. and **Michimi, A.** (2011). *Influences of Physical and Social Landscapes on the Health of Rural Communities*. GISc Center of Excellence, SDSU: Brookings, SD.
17. **Michimi, A.** (2012). Food Deserts in Oregon, 2010. E.H. Fouberg, A.B. Murphy, and H.J. de Blij (Eds.) In *Human Geography: People, Place, and Culture, 10<sup>th</sup> Edition*. WILEY: Hoboken, NJ. p.401.

**AWARDS, HONORS, AND DISTINCTIONS**

<b>Faculty Research Fellowship (\$6,000)</b>	2012-2013
College of Health and Human Services, Western Kentucky University	
<b>Graduate Student Travel Funds (\$1,000)</b>	2007
Office of the Vice Provost for Research and Graduate Education and Dean of the Graduate School, University of Connecticut	
<b>Summer Fellowship for Doctoral Student (\$500)</b>	2005
Department of Geography, University of Connecticut	
<b>Graduate Fellowship (\$13,500)</b>	2004-2008
Department of Geography, University of Connecticut	
<b>2003 - 2004 Alumni Certificate of Honor</b>	2003-2004
For outstanding and distinguished academic achievement	
Killian P. Ying, Department Chair, California State University, Los Angeles	
Barry Gordon, President of the Alumni Association, California State University, Los Angeles	

<b>Special Recognition in Graduate Studies</b>	2003-2004
Based on superior scholastic achievement through 2003 and on the special recommendation of the appropriate department or division, Presented April 23, 2004 at the 43 <sup>rd</sup> Annual Honors Convocation.	
James M. Rosser, President of the University, California State University, Los Angeles	
<b>International Student Tuition Waiver (\$4,512)</b>	2003-2004
Dean of Graduate Studies and Research, California State University, Los Angeles	
<b>Grad Excel Fellowship (\$2,670)</b>	2003-2004
Department of Geography, California State University, Los Angeles	

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PROFESSIONAL PRESENTATIONS

*Conference Papers* (\* denotes student)

<b>Michimi, A.</b> and Bignall*, E. "Food Environments and Healthy Food Consumption in U.S. Metropolitan Areas." 111 <sup>th</sup> Annual Meeting of the Association of American Geographers, Chicago, IL.	4/2015
Roka*, R., <b>Michimi, A.</b> , and Macy, G. "Associations between Hypertension and Body Mass Index and Waist Circumference in U.S. Adults: A Comparative Analysis by Gender." 142 <sup>nd</sup> Annual American Public Health Association Conference, New Orleans, LA.	11/2014
<b>Michimi, A.</b> , Ellis-Griffith, G., Nagy, C, and Peterson, T. "Metropolitan Occupational Structure and Coronary Heart Disease Prevalence in the United States." 108 <sup>th</sup> Annual Meeting of the Association of American Geographers, New York, NY.	2/2012
<b>Michimi, A.</b> and Wimberly, M.C. "Physical and Social Environmental Impacts on Obesity and Risk Factors in the U.S." URISA GIS in Public Health Conference, Atlanta, GA.	6/2011
<b>Michimi, A.</b> and Wimberly, M.C. "Associations of Outdoor Amenities with Physical Activity and Obesity in Nonmetropolitan Areas of the United States." 107 <sup>th</sup> Annual Meeting of the Association of American Geographers, Seattle, WA.	4/2011
Wimberly, M.C. and <b>Michimi, A.</b> "Influences of Physical and Social Landscapes on the Health of Rural Communities." NRI Human Nutrition and Obesity Program: Project Directors Workshop, Denver, CO.	6/2010
<b>Michimi, A.</b> and Wimberly, M.C. "Patterns of Supermarket Accessibility in the Conterminous United States: Associations with Obesity and Fruit and Vegetable Consumption." 106 <sup>th</sup> Annual Meeting of the Association of American Geographers, Washington D.C.	4/2010
<b>Michimi, A.</b> and Wimberly, M.C. "Spatial Patterns of Obesity and Risk Factors in Rural America." 105 <sup>th</sup> Annual Meeting of the Association of American Geographers, Las Vegas, NV.	3/2009
<b>Michimi, A.</b> and Cromley, E.K. "Cardiovascular Morbidity in the United States and England." 104 <sup>th</sup> Annual Meeting of the Association of American Geographers, Boston, MA.	4/2008
<b>Michimi, A.</b> and Berentsen, W.H. "Small Business Establishment Profile in Rapidly Growing U.S. Sunbelt Metropolitan Areas: 1995-2005." New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL), New Haven, CT.	11/2007
<b>Michimi, A.</b> "Regional Variations in Dietary Intakes of Black Urbanites: Empirical Findings from Public Health Surveillance Database." 103 <sup>rd</sup> Annual Meeting of the Association of American Geographers, San Francisco, CA.	4/2007
<b>Michimi, A.</b> and Cromley, E.K. "A Comparison of Cardiovascular Disease Morbidity and Symptoms from Multiple Public Health Surveillance Databases." New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL), Burlington, VT.	10/2006
<b>Michimi, A.</b> "Return Migration of African Americans: Brain Gain and Suburban Growth in the South." 102 <sup>nd</sup> Annual Meeting of the Association of American Geographers, Chicago, IL.	3/2006

- Michimi, A.** and Cromley, E.K. “Temporal and Spatial Resolution of Public Health Surveillance Data on Cardiovascular Disease in the U.S.: Implications for Research Design.” New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL) Keene, NH. 10/2005
- Michimi, A.** “Geographic Association in Food Consumption Pattern: Application to Preventive Effort on Cardiovascular Disease Prevalence.” 101<sup>st</sup> Annual Meeting of the Association of American Geographers, Denver, CO. 4/2005
- Michimi, A.** “Cardiovascular Disease and Food Consumption: Regional Variations and Sociocultural Context.” 100<sup>th</sup> Annual Meeting of the Association of American Geographers, Philadelphia, PA. 3/2004
- Conference Posters* (\* denotes student)
- Michimi, A.**, and Bignall\*, E. “Food Environments and Healthy Food Consumption among Adults in U.S. Metropolitan Areas. WKU College of Health and Human Services Research Week, Bowling Green, KY. 3/2015
- Jonchehe\*, P., Shearer, D.L., and **Michimi, A.** “Bone Density Screening Results in South Central Kentucky, 2006-2011.” 44<sup>th</sup> WKU Student Research Conference, Bowling Green, KY. 3/2014
- Roka\*, R., **Michimi, A.**, and Macy, G. “Associations between Hypertension and Body Mass Index and Waist Circumference in U.S. Adults: a Comparative Analysis.” WKU Student Research Conference, Bowling Green, KY. 3/2014
- Michimi, A.** and Shearer, D.L. “Low Birth Weight and Smoking Status during Pregnancy: Kentucky Birth Certificates, 2008.” WKU College of Health and Human Services Research Week, Bowling Green, KY. 3/2014
- Dawkins\*, E. and **Michimi, A.** “Untreated Dental Caries among Children Visiting a Mobile Dental Clinic: A Retrospective Study in South Central Kentucky.” 65<sup>th</sup> Annual Kentucky Public Health Association Conference, Louisville, KY. 3/2013
- Karki\*, R. and **Michimi, A.** “Prevalence of Uncontrolled and Controlled Hypertension among Adults in South Central Kentucky.” 65<sup>th</sup> Annual Kentucky Public Health Association Conference, Louisville, KY. 3/2013
- Michimi, A.**, Ellis-Griffith, G., Lartey, G., Ellis-Griffith, C. “Factors Associated with Diabetes and Diabetes Self-care among Adults Visiting Mobile Clinic in South Central Kentucky.” 65<sup>th</sup> Annual Kentucky Public Health Association Conference, Louisville, KY. 3/2013
- Michimi, A.**, Ellis-Griffith, G., English, G., and Peterson, T. “REDCap and Rural Health: Integrating Technologies into Research.” WKU College of Health and Human Services Research Week, Bowling Green, KY. 3/2013
- Michimi, A.**, and Dawkins\*, E., “Oral Health among Children Visiting a Mobile Dental Clinic: A Retrospective Cohort Study in South Central Kentucky.” 14<sup>th</sup> Annual Kentucky Rural Health Association Conference, Bowling Green, KY. 8/2012
- Damera\*, V, Dawkins\*, E., **Michimi, A.**, Ellis-Griffith, G., and Peterson, T. “Cardiovascular Screening Outcomes among Mobile Health Patients in South Central Kentucky.” 13<sup>th</sup> Annual Rural Health Conference, University of Alabama, Tuscaloosa, AL. 4/2012
- Michimi, A.**, Ellis-Griffith, G., Nagy, C., and Peterson, T. “Coronary Heart Disease Prevalence and Occupational Structure in U.S. Metropolitan Areas, 2006-2008.” WKU College of Health and Human Services Research Week, Bowling Green, KY. 3/2012
- Michimi, A.**, Wimberly, M.C. and Specker, B.L. “Mapping Supermarket Accessibility in the United States: Associations with Fruit/Vegetable Consumption and Obesity Prevalence.” Avera Health & SDSU 2<sup>nd</sup> Annual Research Symposium, Brookings, SD. 1/2010
- Michimi, A.** and Wimberly, M.C. “Mapping Obesity and Health Risk Clusters in Rural America.” 26<sup>th</sup> Annual BRFSS Conference, Centers for Disease Control and Prevention, Atlanta, GA. 3/2009

## SERVICE

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### Scholarly Peer Reviews

Ad hoc article reviewer for the following journals:

*American Journal of Preventive Medicine, Annual Research and Review in Biology, Austin Journal of Public Health and Epidemiology, British Journal of Medicine and Medical Research, Earth Interactions, Epidemiology: Open Access, Family Medicine and Medical Science Research, Health Care: Current Reviews, Health & Place, International Journal of Environmental Research and Public Health, International Journal of Health Geographics, International Journal of Obesity, Journal of Diabetes and Metabolic Syndrome Disorders, Journal of Gerontology and Geriatrics Research, Journal of Health Care for the Poor and Underserved, Journal of Nutritional Disorders and Therapy, Journal of Psychology and Psychotherapy, Journal of Racial and Ethnic Health Disparities, Journal of Rural Health, Journal of School Health, Obesity, Pharmacy Practice, PLOS ONE*

### Educational Collaboration

- *Organizer*: GIS Workshop for Public Health Students, Department of Public Health, WKU, 2012
- *Invited Contributor*: Cartographic figure provided for a geography textbook, “*Human Geography: People, Place, and Culture, 10<sup>th</sup> Edition*” by E.H. Fouberg, A.B. Murphy, and H.J. de Blij, 2012
- *Invited Participant*: Online Course Development Survey for Introduction to Geography Textbook, McGraw Hill Online Learning, Burr Ridge, Illinois (Limited Participants with Honorarium), 2007

## TEACHING EXPERIENCE

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<b>Department of Geography, University of Connecticut</b>	2018-current
GEOG 1200: Cities in the Western Tradition	
GEOG 1700: World Regional Geography	
GEOG 2100: Economic Geography	
GEOG 2200: Introduction to Human Geography	
GEOG 3200: Urban Geography	
<b>Department of Political Science, Philosophy and Geography, Eastern Connecticut State University</b>	2016-current
GEO 100-01: Introduction to Geography	
GEO 322-01: Geographies of Tourism	
<b>Department of Sociology, Emmanuel College, Boston, Massachusetts</b>	2016-current
SOC 2129-01: Cultural Geography	
<b>Department of Public Health, Western Kentucky University</b>	2012-2015
PH 383: Biostatistics for Health Sciences	
<b>Department of Geography, University of Connecticut</b>	2005-2008
GEOG 104: Introduction to Geography	
<b>Department of Geography, California State University, Los Angeles</b>	2003-2004
GEOG 155: Cultural Geography	

## PRESS RELEASE OF RESEARCH

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- Bunch, W. (2012). The Food Trust. In Isaacs, S.L., Colby, D.C., and Lavizzo-Maurey, R. (Eds.), *To Improve Health and Health Care: Volume XV: The Robert Wood Johnson Foundation Anthology* (pp. 242-243). San Francisco, CA: Jossey-Bass a WILEY Imprint.
- **Today’s Senior Network**. “Research Explores Factors in Obesity.” September, 2010.  
URL: [http://www.todaysseniorsnetwork.com/obesity\\_factors\\_study.htm](http://www.todaysseniorsnetwork.com/obesity_factors_study.htm)
- **News Medical**. “Researchers to Explore Spatial Patterns of Obesity and Risk Factors.” Sept., 2010.  
URL: <http://www.news-medical.net/news/20100902/Researchers-to-explore-spatial-patterns-of-obesity-and-risk-factors.aspx>