

**Akihiko Michimi, Ph.D.**

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ACADEMIC APPOINTMENTS

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<b>Research Assistant Professor</b> Department of Public Health, Western Kentucky University	2011-current
<b>Postdoctoral Research Associate</b> GISc Center of Excellence, South Dakota State University	2008-2011
<b>Instructor</b> Department of Geography, University of Connecticut	2005-2008
<b>Instructor</b> Department of Geography, California State University, Los Angeles	2003-2004

EDUCATION

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<b>Ph.D., Geography, University of Connecticut</b> Concentration in Health Geography Dissertation Title: <i>Spatial and Temporal Patterns of Cardiovascular Disease in the United States and England: A Comparison of Data from National Health Surveillance Databases</i> Advisor: Ellen K. Cromley, Ph.D.	2008
<b>M.A., Geography, California State University, Los Angeles</b> Concentration in GIS, Quantitative Methods, Health Geography Thesis Title: <i>Cardiovascular Disease and Food Consumption: Regional Variations and Sociocultural Impact with Applications to the Developed and Developing Worlds</i> Advisor: Killian P. Ying, Ph.D.	2004
<b>Cartography, GIS and Remote Sensing Certificate, California State University, Los Angeles</b>	2003
<b>B.A., Geography, University of Oregon</b> Concentration in Human/Cultural Geography Advisor: Professor Emeritus Everett G. Smith Jr. Ph.D.	1996

## RESEARCH INTERESTS

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- Spatial Epidemiology (GIS applications in health, social and environmental determinants of health, disease ecology)
- Population Health (health surveillance data analysis, health demography, health behavior)
- Regional Development and Policy (U.S. Metropolitan economy, small business sectors, occupational structure)
- Geographic Information Systems, Quantitative Methods, Geo-visualization for the Web
- Regional Specialization and Interest: U.S., England, and Japan

## PUBLICATIONS

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### *Peer-Reviewed Manuscripts*

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. **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.
5. **Michimi, A.** and Wimberly, M.C. (2012). Natural Environments, Obesity, and Physical Activity in Nonmetropolitan Areas of the United States. *Journal of Rural Health* (doi: 10.1111/j.1748-0361.2012.00413.x).

### *Newsletter Articles*

6. 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 issue. Western Rural Development Center: Logan, UT. pp.15-20.

### *Conference Proceedings*

7. **Michimi, A.** (2011). Physical and Social Environmental Impacts on Obesity and Risk Factors in the United States. *URISA GIS in Public Health Conference*.

### *Maps/Web Atlas and Web GIS*

8. Wimberly, M.C. and **Michimi, A.** (2011). *Influences of Physical and Social Landscapes on the Health of Rural Communities*. GISc Center of Excellence, South Dakota State University: Brookings, SD. URL at: <http://globalmonitoring.sdstate.edu/projects/obesity/>.
9. **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.

#### Articles under Review

**Michimi, A.**, Ellis-Griffith, G., Nagy, C., and Peterson, T. Coronary Heart Disease Prevalence and Occupational Structure in U.S. Metropolitan Areas: A Multilevel Analysis. *Health & Place*.

**Michimi, A.**, Ellis-Griffith, G., Peterson, T., Ellis-Griffith, C., and English, G. Gender differences in lipid panel screening outcomes among mobile clinic patients in South Central Kentucky. *Journal of Health Care for the Poor and Underserved*.

Dawkins, E., **Michimi, A.**, Ellis-Griffith, G., Peterson, T., Carter, D., and English, G.. Oral Health among Children Visiting a Mobile Dental Clinic: A Retrospective Cohort Study in South Central Kentucky. *Journal of Public Health Dentistry*.

#### Articles in Preparation

Wimberly, M.C. and **Michimi, A.** Multifactor Classification and Assessment of Obesogenic Environments in Regional Landscapes.

**Michimi, A.**, Wimberly, M.C., and Specker, B.L. The Obesity Epidemic in Rural America: Challenges and Research Agenda.

Peterson, T. Ellis-Griffith, G., and **Michimi, A.** Systematic Review of Literature on Utilization of Mobile Health Clinics in Rural Settings.

Damera, V., Ellis-Griffith, G., **Michimi, A.**, Peterson, T., and Ellis-Griffith, C. Demographic Characteristics of Mobile Health Patients in South Central Kentucky.

**Michimi, A.**, Ellis-Griffith, G., Peterson, T., and Ellis-Griffith, C. Self-reported Medical Conditions among Mobile Health Patients in South Central Kentucky.

**Michimi, A.**, Ellis-Griffith, G., Peterson, T., and Ellis-Griffith, C. Associations between family history and prevalence of chronic diseases with obesity as a mediator

#### GRANTSMANSHIP

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<b>Research &amp; Creative Activities Program (RCAP I), Western Kentucky University</b>	2012-2013
Access to Health Care and Health Status among Mobile Unit Users in Rural Communities: A Case Study in South Central Kentucky. Role: P.I. (Funded: \$8,300)	

#### AWARDS AND HONORS

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<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>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	

## PROFESSIONAL PRESENTATIONS

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### *Conference Papers*

108 <sup>th</sup> Annual Meeting of the Association of American Geographers, New York, New York. “Metropolitan Occupational Structure and Coronary Heart Disease Prevalence in the United States” (with Gregory Ellis-Griffith, Chris Nagy, and Tina Peterson)	2/2012
URISA GIS in Public Health Conference, Atlanta, Georgia. “Physical and Social Environmental Impacts on Obesity and Risk Factors in the U.S.” (with Michael C. Wimberly)	6/2011
107 <sup>th</sup> Annual Meeting of the Association of American Geographers, Seattle, Washington. “Associations of Outdoor Amenities with Physical Activity and Obesity in Nonmetropolitan Areas of the United States” (with Michael C. Wimberly)	4/2011
NRI Human Nutrition and Obesity Program: Project Directors Workshop, Denver, Colorado. “Influences of Physical and Social Landscapes on the Health of Rural Communities” (with Michael C. Wimberly)	6/2010
106 <sup>th</sup> Annual Meeting of the Association of American Geographers, Washington D.C. “Patterns of Supermarket Accessibility in the Conterminous United States: Associations with Obesity and Fruit and Vegetable Consumption” (with Michael C. Wimberly)	4/2010
105 <sup>th</sup> Annual Meeting of the Association of American Geographers, Las Vegas, Nevada. “Spatial Patterns of Obesity and Risk Factors in Rural America” (with Michael C. Wimberly)	3/2009
104 <sup>th</sup> Annual Meeting of the Association of American Geographers, Boston, Massachusetts. “Cardiovascular Morbidity in the United States and England” (with Ellen K. Cromley)	4/2008
New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL) New Haven, Connecticut. “Small Business Establishment Profile in Rapidly	11/2007

Growing U.S. Sunbelt Metropolitan Areas: 1995-2005” (with William H. Berentsen)	
103 <sup>rd</sup> Annual Meeting of the Association of American Geographers, San Francisco, California. “Regional Variations in Dietary Intakes of Black Urbanites: Empirical Findings from Public Health Surveillance Database”	4/2007
New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL) Burlington, Vermont. “A Comparison of Minority Cardiovascular Disease Morbidity and Symptoms from Multiple Public Health Surveillance Databases” (with Ellen K. Cromley)	10/2006
102 <sup>nd</sup> Annual Meeting of the Association of American Geographers, Chicago, Illinois. “Return Migration of African Americans: Brain Gain and Suburban Growth in the South”	3/2006
New England/St. Lawrence Valley Division of the Association of American Geographers (NESTVAL) Keene, New Hampshire. “Temporal and Spatial Resolution of Public Health Surveillance Data on Cardiovascular Disease in the U.S.: Implications for Research Design” (with Ellen K. Cromley)	10/2005
101 <sup>st</sup> Annual Meeting of the Association of American Geographers, Denver, Colorado. “Geographic Association in Food Consumption Pattern: Application to Preventive Effort on Cardiovascular Disease Prevalence”	4/2005
Centennial Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania. “Cardiovascular Disease and Food Consumption: Regional Variations and Sociocultural Context”	3/2004
<i>Conference Posters</i>	
14 <sup>th</sup> Annual Kentucky Rural Health Association Conference, Bowling Green, Kentucky “Oral Health among Children Visiting a Mobile Dental Clinic: A Retrospective Cohort Study in South Central Kentucky”	8/2012
13 <sup>th</sup> Annual Rural Health Conference, University of Alabama, Tuscaloosa, Alabama “Cardio-vascular Screening Outcomes among Mobile Health Patients in South Central Kentucky” (Student-led research by Venkata Damera and Erika Dawkins, participated as advisory panel)	4/2012
WKU College of Health and Human Services Research Week, Bowling Green, Kentucky “Coronary Heart Disease Prevalence and Occupational Structure in U.S. Metropolitan Areas, 2006-2008” (with Gregory Ellis Griffith, Christine Nagy, and Tina Peterson)	3/2012
Avera Health & SDSU 2 <sup>nd</sup> Annual Research Symposium, Brookings, South Dakota “Mapping Supermarket Accessibility in the United States: Associations with Fruit/Vegetable Consumption and Obesity Prevalence” (with Michael C. Wimberly and Bonny L. Specker)	1/2010
26 <sup>th</sup> Annual BRFSS Conference, Centers for Disease Control and Prevention, Atlanta, Georgia. “Mapping Obesity and Health Risk Clusters in Rural America” (with Michael C. Wimberly)	3/2009

## TEACHING EXPERIENCE

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### **Department of Public Health, Western Kentucky University**

2012-current

#### *Research Assistant Professor*

PH 383: Biostatistics for Health Sciences - Spring 2012, Fall 2012

### **Department of Geography, University of Connecticut**

2005-2008

#### *Instructor*

GEOG 104: Introduction to Geography - Fall 2005, Spring 2006, Spring 2007, Fall 2007, Spring 2008

#### *Teaching Assistant*

GEOG 104: Introduction to Geography - (Practicum in College Teaching): Fall 2004  
GEOG 200: Economic Geography - Spring 2005  
GEOG 160: World Regional Geography - Fall 2006  
GEOG 298: Geography of the U.S. & Canada - Fall 2006

### **Department of Geography, California State University, Los Angeles**

2003-2004

#### *Instructor*

GEOG 155: Cultural Geography - Fall 2003, Winter 2004, Spring 2004

#### *Teaching Assistant*

GEOG 155: Cultural Geography - Summer 2003

## PROFESSIONAL DEVELOPMENT

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NIH Regional Seminar: Program Funding and Grants Administration, Washington D.C.

6/2012

Workshops “Logistic Regression with BRFSS Data Using SAS SURVEYLOGISTIC” and “Assessing Change or Trend in Prevalence over Time with BRFSS Surveys” at the BRFSS meeting. Centers for Disease Control and Prevention (CDC), Atlanta, Georgia

3/2009

## SERVICE

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#### *Scholarly Reviews*

2010-current

Ad hoc article reviewer for the following journals:

- International Journal of Health Geographics
- International Journal of Obesity

- Journal of Rural Health
- Obesity

#### *Educational Collaboration*

- *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

#### *Student Research*

- *Judge*: 42<sup>nd</sup> Annual WKU Student Research Conference, Bowling Green, Kentucky, March 24, 2012
- *Proposal Reviewer*: Faculty-Undergraduate Student Engagement (FUSE), Center for Research & Development, WKU, 2012

#### *Student Advising in Research*

- Reena Karki, Graduate Research Assistant, Department of Public Health, WKU: 2012 to current
- Erika Dawkins, Graduate Research Assistant, Department of Public Health, WKU: 2011 to 2012

#### *Committee Service*

- The Institute for Rural Health Development and Research, Western Kentucky University, Director Search Committee, 2012.
- GISc Center of Excellence, South Dakota State University, Geospatial Analyst Search Committee, 2011.

### **MEMBERSHIP**

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#### **AAG, the Association of American Geographers**

2003-current

- Health/Medical Geography Specialty Group of the AAG
- Urban Geography Specialty Group of the AAG
- Rural Geography Specialty Group of the AAG
- Population Specialty Group of the AAG