

# MONIQUE N. HERNANDEZ, PhD



## PROFESSIONAL POSITIONS

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**Senior Manager of Research Support**, September 2013 - current  
Florida Cancer Data System, Sylvester Comprehensive Cancer Center  
University of Miami Miller School of Medicine  
Funded by the Centers for Disease Control and Prevention

**Research Associate, Independent Consultant** 2015-2018  
University of Texas at Dallas. Principal Investigator, Daniel A. Griffith  
Spatial Uncertainty: Data, Modeling, and Communication (R01)  
National Institutes of Health. FOA (PA-11-238)

**Senior Manager, Enhancing Cancer Registries for Comparative Effectiveness Research**  
March 2011 -- September 2013  
Florida Cancer Data System, Sylvester Comprehensive Cancer Center  
University of Miami Miller School of Medicine

**Senior Research Analyst** June 2009 -- 2011  
Florida Cancer Data System, Sylvester Comprehensive Cancer Center  
University of Miami Miller School of Medicine

**Post Doctoral Associate** June 2008 – June 2009  
Florida Cancer Data System, Sylvester Comprehensive Cancer Center  
University of Miami Miller School of Medicine

**Geographic Information Systems Specialist, Independent Consultant** 2009  
World Lung Foundation, New York

**Research Coordinator** February 2007 – July 2009  
Functional Health Literacy Project and HIPPY (Home Instruction for Parents of Preschool Youngsters). Program Director: Dr. Henry A. Green. University of Miami

**GIS Technician** Summer 2006  
Information Technology Department, City of Miami, FL

**Research Assistant and GIS Analyst** 2005-2006  
The Latino Drug Abuse Research Center  
Florida International University. Miami, FL

**Research Assistant** Summer 2003  
Program Evaluation and Research Collaborative.  
The College of Education. California State University, Los Angeles

## ACADEMIC BACKGROUND

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- University of Miami**, Ph.D. Interdisciplinary Studies. 2008  
Dissertation: A Spatial Analysis of Colorectal Cancer in Miami-Dade County
- California State University Los Angeles** M.A. Geography. 2004  
Thesis: Diabetes in the United States: An Analysis of Spatial Variation by State
- Occidental College, Los Angeles** B.A. Sociology, Spanish minor. 2000

## PROFESSIONAL CERTIFICATIONS

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- Geographic Information Systems and Remote Sensing. 2004  
California State University, Los Angeles

## HONORS AND AWARDS

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- Achievement Award** 2015  
North American Association of Central Cancer Registries Member Recognition Award
- Merit Award** 2013  
North American Association of Central Cancer Registries Member Recognition Award
- Graduate Fellowship** 2005-2008  
University of Miami
- Graduate Excel Fellowship** 2002-2004  
Department of Geography and Urban Studies, California State University, Los Angeles
- Distinguished Honors** 2000  
Department of Sociology, Occidental College

## ACADEMIC/TEACHING EXPERIENCE

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- Part-Time Faculty** Fall 2014-Current  
Department of Geosciences, California State University, Los Angeles
- Volunteer Faculty** Spring 2010  
EPH 681: GIS and Public Health  
Dept. of Epidemiology and Public Health, University of Miami Miller School of Medicine
- Teaching Assistant** 2004-2005  
GEG 199: Introduction to Geographic Information Technology, University of Miami
- Teaching Associate** 2002-2004  
Cultural Geography 155 (7 sections), California State University, Los Angeles

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 PROFESSIONAL WORKING GROUPS
 

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**Environmental Justice Advisory Group**, 2016-current. South Coast Air Quality Management District.

**North American Association of Central Cancer Registries**, 2020-current  
Board Member at Large

**Survival Analysis Work Group** 2010-2014  
North American Association of Central Cancer Registries

**EPHT Cancer Content Work Group and Geospatial Work Group** 2008-2013  
Environmental Public Health Tracking Network, Centers for Disease Control and Prevention

**Comparative Effectiveness Research Data Analysis Work Group** 2013-2016  
National Program of Cancer Registries, Centers for Disease Control and Prevention

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 PUBLICATIONS AND REPORTS
 

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McClure, L. A., Koru-Sengul, T., **Hernandez, M. N.**, Caban-Martinez, A. J., Kobetz, E. N., & Lee, D. J. (2021). Comparing cancer risk estimates using occupational record linkage approaches in male Florida firefighters. *American Journal of Industrial Medicine*. 64(2):78-83  
<https://doi.org/10.1002/ajim.23205>

Lee, D. J., Koru-Sengul, T., **Hernandez, M. N.**, Caban-Martinez, A. J., McClure, L. A., Mackinnon, J. A., & Kobetz, E. N. (2020). Cancer risk among career male and female Florida firefighters: Evidence from the Florida Firefighter Cancer Registry (1981-2014). *American Journal of Industrial Medicine*, 63(4), 285-299. <https://doi.org/10.1002/ajim.23086>

McClure LA, Koru-Sengul T, **Hernandez MN**, MacKinnon J, Schaefer Solle N, Caban-Martinez AJ, Lee DJ, Kobetz E. (2019). Availability and Accuracy of Occupation in Cancer Registry Data among Florida Firefighters. *PLOS One*, 2019, 14(4): e0215867. PMID: 31039169.

**Hernandez MN**, Lee DJ, Hylton T, Peace S, Lowry JP, Bonner JM. Weight-Related Cancers in Florida 1992- 2013. Miami: Florida Cancer Data System, 2018.

McClure, L. A., Sussman, D. A., **Hernandez, M. N.**, Tannenbaum, S. L., Yechieli, R. L., Bonner, J. M., ... & Lee, D. J. (2018). Factors associated with receipt of radiation therapy for rectal cancer. *American journal of clinical oncology*, 41(3), 227-229.

McClure LA, Miller EA, Tannenbaum SL, **Hernandez MN**, et al. (2016). Linking the National Health Interview Survey with the Florida Cancer Data System: A pilot study. *Journal of Registry Management*. Spring 43(1):16-22.

Sussman D, **Hernandez MN**, Tannenbaum SL, Bonner J, McClure LA, Lee DJ. (2015) New strategies immediately needed for molecular marker reporting in colorectal cancer. *American Journal of Gastroenterology*. Vol. 110, pp 197-198. DOI 10.1038/ajg.2014.360

Tannenbaum SL, **Hernandez M**, Zheng DD, Sussman DA, Lee DJ (2014). Individual- and Neighborhood-Level Predictors of Mortality in Florida Colorectal Cancer Patients. *PLOS ONE*. DOI 10.1371/journal.pone.0106322

- Chen VW, Eheman CR, Johnson CJ, **Hernandez MN**, et al. (2014). Enhancing Cancer Registry Data for Comparative Effectiveness Research (CER) Project: Overview and Methodology. *J Registry Manag.* Fall; 41(3), pp103-12.
- Miller EA, Miller DM, Judson DH, He Y, Day HR, Zevallos K, Parker JD, MacKinnon JA, **Hernandez MN**, et al. (2014). Linkage of 1986-2009 National Health Interview Survey with 1981-2010 Florida Cancer Data System. *Vital and Health Statistics. Series 2, Number 167.* Department of Health and Human Services publication; (PHS) 2014-1367
- Hernandez MN**, MacKinnon JA, Penberthy L, Bonner J, Huang Y (2014). Enhancing Central Cancer Registry Treatment Data Using Physician Medical Claims: A Florida Pilot Project. *Journal of Registry Management.* Vol. 41, No. 2, pp 51-56
- Hernandez MN**, Voti L, Feldman JD, Tannenbaum SL, Scharber W, MacKinnon JA, Lee DJ, Huang YX. (2013) Cancer Registry Enrichment via Linkage with Hospital-Based Electronic Medical Records: A Pilot Investigation. *Journal of Registry Management*, Vol. 40, No.1, pp. 37-44.
- Hernandez MN**, Sussman DA, Lee DJ, MacKinnon JA, Fleming LE. (2012). Trends in Colorectal Cancer Among Hispanics by Stage and Subsite Location: 1989-2006. *Clinical and Translational Gastroenterology*, 3, e21; doi:10.1038/ctg.2012.15
- Hernandez MN**, Roy Chowdhury R, Fleming LE, Griffith DA (2011). Colorectal Cancer and Socioeconomic Status in Miami-Dade County: Neighborhood associations before and after the Welfare Reform Act. *Applied Geography* 31: 1019-1025
- Hernandez MN**, Mackinnon J, Fleming LE, and Lee DJ (2010). Cancer in Persons of African Descent 1988-2007. Florida Cancer Data System, USylvester, University of Miami Miller School of Medicine. <http://fcds.med.miami.edu/inc/statistics.shtml#pad>
- Hernandez MN**, Mackinnon J, Fleming LE, and Lee DJ (2009). Cancer in Florida Hispanics 1989-2006. Florida Cancer Data System, USylvester, University of Miami Miller School of Medicine. [http://fcds.med.miami.edu/downloads/HispanicMonograph2010/Hispanic%20Monograph\\_2010.pdf](http://fcds.med.miami.edu/downloads/HispanicMonograph2010/Hispanic%20Monograph_2010.pdf)
- Nielsen AL, Hill TD, French MT, **Hernandez MN** (2010). Racial/Ethnic Composition, Social Disorganization, and Offsite Alcohol Availability in San Diego County, California. *Social Science Research.* Vol. 39 (1): 165-175
- Mulherin S, **Hernandez, MN** (2006). Pasadena Unified School District. The Abandonment of a Public Institution. *California Politics & Policy.* Vol. 10 (1): 89-116
- Published Maps: Lee MT, and Martinez R Jr. (2006). Immigration and Asian Homicide Patterns in Urban and Suburban San Diego. Martinez, Jr. and Abel Valenzuela, Jr. (Eds.) In: *Immigration and crime: race, ethnicity, and violence.* New York University Press: New York. P. 122

#### AFFILIATIONS/MEMBERSHIPS

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North American Association of Central Cancer Registries  
 Association of American Geographers  
 Editorial Advisory Board Member, Journal of Registry Management 2013-2017  
 Florida Environmental Public Health Tracking Advisory Council Member 2013 to current

#### ORAL PRESENTATIONS

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**Hernandez MN** (2017). Physician Medical Claims Reporting in Florida. The North American Association of Central Cancer Registries Annual Meeting. Albuquerque, NM.

**Hernandez MN** (2016). Unlocking the Power of Physician Medical Claims. The North American Association of Central Cancer Registries Annual Meeting. St. Louis, MO.

**Hernandez MN, Bonner J.** (2015). Putting it into Practice: Challenges Implementing MU2 in Florida. The North American Association of Central Cancer Registries Annual Meeting. Charlotte, NC.

**Hernandez MN** (2015). Pro-Active Reporting of Physician Medical Claims Data: From Collection to Consolidation. The National Cancer Registrars Association Annual Educational Conference. San Antonio, TX.

**Hernandez MN, MacKinnon JA.** (2013) Pro-Active Reporting of Physician Medical Claims Data: Capturing Complete and Missed Treatment Data. National Registrars Association Annual Meeting. San Francisco, CA. June 1, 2013.

**Hernandez MN, MacKinnon JA, Pierce SS, Feldman J, Huang Y.** (2013) Unlocking the Power of Qualitative Data Analysis for the Comparative Effectiveness Research Project in Florida. Oral Presentation. The North American Association of Central Cancer Registries Annual Meeting. Austin, TX

**Hernandez MN, MacKinnon JA, Huang Y, Feldman J, Scharber W, Hylton T, Adams A.** (2012). Capturing EMR Data for Cancer Care Research and Validation of Registry Data: A Florida Case Study. The North American Association of Central Cancer Registries Annual Meeting. Portland, OR.

Mackinnon JA, Penberthy L, **Hernandez MN**, Levin G. (2012) Pro-Active Reporting of Physician Medical Claims Data: Capturing Complete Treatment Data and Identifying Physician Office Missed Cases. The North American Association of Central Cancer Registries Annual Meeting. Portland, OR.

**Hernandez MN, Fleming LE, MacKinnon JA, Lee LJ** (2011). Cancer Trends among Persons of African Descent in Florida: A Florida Cancer Data System Publication. The North American Association of Central Cancer Registries Annual Meeting. Louisville, KY.

**Hernandez MN** (2010). The importance of place in disease surveillance: How and why geography matters in cancer prevention and control. Presented at the University of Miami, Department of Geography Colloquium series.

**Hernandez MN**, Lee DJ, Fleming LE, MacKinnon JA (2010). Colorectal Cancer Trends in Florida Hispanics: Data from the Hispanic Monograph – A Florida Cancer Data System Publication. The North American Association of Central Cancer Registries Annual Meeting. Quebec City, Canada

**Hernandez MN** (2009). Florida Cancer Data System linkage to the National Death Index: Lessons and Implications. Florida Department of Health Grand Rounds. October 27<sup>th</sup>.

**Hernandez MN**, and Wholer B (2009). Implications of Mortality Ascertainment using the National Death Index on Survival Analysis in Florida. Paper presented at the North American Association of Central Cancer Registries Annual Meeting. San Diego, CA

**Hernandez MN** (2008). HIPPY and Health Education. Functional Health Literacy in Racial and Ethnic Minority Populations in Miami-Dade County. Paper presented at the Race Ethnicity and Place Conference. Miami, FL

**Hernandez MN** (2008). A Spatial Analysis of Colorectal Cancer in Miami-Dade County. Paper presented at the Annual Meeting of the Association of American Geographers. Boston, MA

**Hernandez MN**, and Green H (2008). Functional Health Literacy and Well-Being: The Miami Pilot Study. Paper presented at the Home Instruction for Parents with Preschool Youngsters USA National conference. St. Petersburg, FL

**Hernandez MN** (2006). Immigrant's Access to Health Care in Miami-Dade County. Paper presented at the Annual Meeting of the Association of American Geographers. Chicago, IL

**Hernandez MN** (2005). Complementary Alternative Medicine. Spatial Distribution of Massage Therapy in Miami-Dade County. Paper presented at the Annual Meeting of The Association of American Geographers. Denver, CO

**Hernandez MN** (2004). Diabetes in the United States: An Analysis of Spatial Variation by State. Paper presented at the Annual Meeting of the Association of American Geographers. Philadelphia, PA

#### POSTER PRESENTATIONS

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**Hernandez MN**, MacKinnon J, Feldman J, Huang Y, Smith-Pierce S, Espino M, Bonner J, Midence G, Raju S. (2013) A Qualitative Assessment of the Determinants of Completing Therapy for Patients with Select Cancers. Council of State and Territorial Epidemiologists 2013 Annual Meeting. Pasadena, Ca.

**Hernandez MN**, MacKinnon JA, Feldman J, Huang Y. et al. (2012). Hospital EMR Transmission to a Central Cancer Registry for Enhanced Research and Registry Validation. The 2012 CDC National Cancer Conference. Washington D.C.

**Hernandez MN**, MacKinnon JA, Feldman J, Huang Y, et al. (2012) Merging Hospital EMR and Cancer Registry Data to Analyze Breast Cancer Treatment and Outcomes for Comparative Effectiveness Research. Agency for Healthcare and Quality 4<sup>th</sup> Symposium on Comparative Effectiveness Research Methods: From Efficacy to Effectiveness. Rockville, MA

Feldman J, Mackinnon JA, **Hernandez MN**, Huang Y, Hylton T. (2012) Linking Cancer Registry Data to Perform Outcomes-Based Comparative Effectiveness Research (CER) – Florida, 2011. The North American Association of Central Cancer Registries Annual Meeting. Portland, OR

McClure L, **Hernandez MN**, Mackinnon JA, Wohler B, Miller D. et al. (2012). Linking Data from the National Health Interview Survey (NHIS) and the Florida Cancer Data System: Project Update. The North American Association of Central Cancer Registries Annual Meeting. Portland, OR