

Lizmarie G. Maldonado

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Charleston, SC 29425

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Education

Master of Science in Public Health, Biostatistics

December 2012

Graduate Certificate in Epidemiology

University of South Florida, Tampa, FL

Thesis: *Linear Mixed-Effects Models: Applications to the Behavioral Sciences and Adolescent Community Health*

Bachelor of Science, Applied Mathematics and Statistics

May 2009

University of Miami, Coral Gables, FL

Professional Experience

Medical University of South Carolina, College of Health Professions
Research Associate

March 2020 – Present

- Construct analytical data sets using observational and survey data
- Perform advanced statistical analyses for complex correlated longitudinal data
- Assist in drafting of reports and manuscripts for publication
- Assist in study design selection and data collection

College of Charleston, Institutional Research

June 2016 – February 2020

Senior Statistician and Data Analyst

- Designed and interpreted statistical studies to inform planning and operational decisions
- Evaluated trends and factors contributing to student success and employee retention
- Developed strategies to improve reporting methods and build dashboards
- Served as a statistical consultant on internal committees
- Served as trainer on statistical software and analytical techniques

University of Miami, Hussman Institute for Human Genomics,
Senior Research Analyst

April 2013 – June 2016

- Conducted statistical analysis on large genetic datasets
- Prepared reports with analytical results for use in publication
- Provided statistical and technical support to principal investigators
- Participated in the development and testing of efficient protocols for genetic and phenotypic data collection, management and analysis
- Conducted trainings on programming software and analytical techniques

Pan-American Health Organization,
Health Systems and Services, Intern

February 2013 – April 2013

- Collected and analyzed regional data for the Blood Services programs in Latin American and Caribbean countries
- Evaluated the regional plan to impact blood collection policies and procedures
- Created a database for efficient analysis by country and sub-region

*Miami-Dade County Health Department,
Epidemiology & Disease Control, Health Services Representative*

May 2009 – August 2011

- Collected and analyzed data for outbreak investigations and surveillance of reportable diseases
- Designed and developed educational materials for the community
- Participated in community events to provide health education and awareness
- Coordinated efforts to achieve public health preparedness accreditation

Publications, Posters and Presentations

- **Maldonado L.** Developing Honors College Admissions Rubric to Ensure Student Success. North Conway, NH: Rapid Insight User Conference, June 2019.
- Wang L, Evatt ML, **Maldonado LG**, et al. Vitamin D from different sources is inversely associated with Parkinson disease, *Movement Disorders*, April 2015; 30(4):560-6.
- Zou J, Huang Y, **Maldonado L**, Kasen S, Cohen P, Chen H. The efficacy of religious service attendance in reducing depressive symptoms: A community-based 30-year longitudinal investigation, *Psychological Medicine*, June 2014; 49(6):911-8.
- Vance J, Nuytemans K, Beecham G, Inchausti V, **Maldonado L**, et al. Rare Variant Pathway Analysis Highlights the Importance of Lysosomal Pathways in Parkinson Disease, *Neurology*, Poster, April 2014.
- Supply of Blood for Transfusion in Latin American and Caribbean Countries 2010 and 2011. Washington, DC: PAHO, July 2013.
- **Maldonado L**, Huang Y, Chen R, Kasen S, Cohen P, Chen H. Impact of early adolescent anxiety disorders on self-esteem development from adolescence to young adulthood, *Journal of Adolescent Health*, August 2013; 53(2):287-92.
- Suarez J, Borroto-Ponce R, Rico E, **Maldonado L** and Uribarri E. (2011). Outbreak of Salmonellosis at an Acute Dialysis Unit of a Local Hospital, Miami-Dade, December 2010. *Epi Monthly Report* 12(5).
- Pandemic Influenza Preparedness and Response Plan for Miami-Dade County, FL, 2009 – 2010 (confidential publication). *Reviewer*.
- Local Bio-Watch Response Plan for Miami-Dade County, 2011 (confidential publication). *Reviewer*.
- Miami-Dade County Health Department Epidemiological Response Plan (confidential publication). *Co-author*.
- Leguen F, Mejia-Echeverry A, **Maldonado L**, O’Connell E, Londono L. “Seasonal and Pandemic Influenza 2008-2009” presented at several 2009 H1N1 Influenza Community Outreach meetings. October – December 2009. Miami, FL.
- Mejia-Echeverry A, **Maldonado L**. “Miami-Dade and Broward County Bio-Watch Advisory Committees (BAC) – BAC-to-BAC: A Year in Review” presented at the 2010 National Bio-Watch Workshop, Milwaukee, WI. August 23 – 26, 2010.
- **Maldonado L**. “Cholera: An Overview of Reporting Guidelines, Prevention and Update on Haiti Outbreak” presented to the Miami Dade County Health Department, Miami, FL. December 2010.
- Mejia-Echeverry A, **Maldonado L**. “Miami Bio-Watch Advisory Committee (BAC) Bio-Watch and Cities Readiness Initiative (CRI): Miami Bio-Watch Triggers CRI Activation” presented at the 2011 National Bio-Watch Workshop, Tampa, FL. August 30 – September 1, 2011.