



# IVAN CASTRO






## EDUCATION

- 2018 • **Syracuse University**  
MSPH in Biostatistics  Syracuse, NY
- 2013 • **SUNY Oswego**  
BA in Psychology  Oswego, NY



## EXPERIENCE

- 2018  
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present • **Research Coordinator**  
VISN 2 Center for Integrated Healthcare  Syracuse, NY
- Coordinate behavioral clinical trial funded by an NIH R34 (treatment development) grant
  - Manage clinical research data
  - Write data analysis pipelines
  - Write reproducible workflows for processing monthly recruitment data
  - Create ad hoc data wrangling solutions for national program evaluation
- 2015  
|  
2019 • **Project Manager**  
Syracuse University  Syracuse, NY
- Managed NSF-funded training program in [trauma research](#)
  - Assisted in the design of social science research studies
  - Built surveys for electronic data capture
  - Responsible for data management
- 2016  
|  
2018 • **Research Assistant**  
Syracuse University  Syracuse, NY
- Graduate RA in the Dept. of Public Health
  - Actively involved in several public health research studies:
  - [Syracuse Lead Study](#) / [Vacationing and Health](#) / [College Football Injuries](#)
  - Conducted statistical analysis in R and SPSS
  - Conducted spatial analysis in R and ArcGIS
  - Wrote analysis pipelines for modelling environmental exposures to toxicants.
  - Created research databases (MS Access)
  - Conducted semi-structured interviews
  - Wrote research reports



## PUBLICATIONS

- 2019 • **Variability in the spatial density of vacant properties contributes to background lead (Pb) exposure in children.**  
[Environmental Research](#), 170, 463-471.
- Castro, I. E.,** Larsen, D. A., Hruska, B., Parson, P. J., Palmer, C. D., and Gump, B. B.

Background in research project coordination, biostatistics, and population health data science. Proficiency with data formatting and handling.

Research interests: environmental toxicants, traumatic stress disorders, community-level deprivation, spatial epidemiology.

## CONTACT INFO

 [iecastro@syr.edu](mailto:iecastro@syr.edu)

 [github.com/iecastro](https://github.com/iecastro)

## SKILLS

Data analysis and statistical programming

Data wrangling

Data visualization and modelling

R and RStudio with emphasis on the [tidyverse](#)

SPSS, ArcGIS, Qualtrics, MS Access

Github

*This resume was made with the R package [pagedown](#).*

## SOFTWARE RESOURCES

- **tidyVA**

An R package of simple features data of Veterans Health Administration geographies to allow tidy spatial analysis and visualization.

- **healthdatacsv**

An R package to interface with the healthdata.gov API to query the catalog and return tidy data frames.

## PRESENTATIONS

2019

- **A Delphi study to integrate Prolonged Exposure for Primary Care and Motivational Enhancement Therapy for heavy alcohol use.**

ISTSS Annual Meeting

📍 Boston, MA

**Castro, I. E.**, Crinnin, C., Mastroleo, N., King, P., Balderrama-Durbin, C., Rauch, S., & Possemato, K.

2019

- **The impact of neighborhood deprivation on acute psychological and pain-related outcomes following traumatic injury.**

Science 2019

📍 University of Pittsburgh, PA

Olson, K., Hruska, B., **Castro, I. E.**, Suffoletto, B., Callaway, C., & Pacella-LaBarbara, M.

2018

- **Psychological flexibility moderates the link between combat exposure and hopelessness in military veterans.**

ResilienceCon

📍 Nashville, TN

Dykas, M. J., **Castro, I. E.**, Wolford, K., & Gump, B. B.

2018

- **Close Relationships among service-members moderate the link between combat and PTSD symptomatology.**

Eastern Psychological Association Annual Meeting 📍 Philadelphia, PA

**Castro, I. E.** and Dykas, M. J.

2016

- **The implications of social support and resilience in a Veteran's wellbeing.**

Eastern Psychological Association Annual Meeting 📍 New York, NY

**Castro, I. E.** and Dykas, M. J.