

Amir G. Hernández PhD(c), MPH

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SUMMARY OF QUALIFICATIONS

- Over eight years of cumulative experience in public health research, epidemiology, clinical informatics, and population health.
- Experience in institutional, community, bi-national, system-wide, and state-wide research efforts.
- Skilled in study design, implementation, statistical and data analysis of scientific research.

EDUCATION

Doctor of Philosophy in Interdisciplinary Health Sciences

The University of Texas at El Paso

Anticipated: 12/2024

Master of Science in Biomedical Informatics

The University of Texas Health Science Center at Houston

Anticipated: 05/2025

Master of Public Health

The University of Texas at El Paso

Awarded: 05/2016

Bachelor of Arts in Philosophy

New Mexico State University

Awarded: 05/2012

EXPERIENCE

PhD Research Associate

The University of Texas System

03/2022 – 12/2023

El Paso, TX

- Led the implementation and evaluation of research efforts for the University of Texas System Hispanic “Servingness” Advisory Board group.
- Spearheaded a system wide qualitative survey research project involving eight UT System academic institutions in the state of Texas to assess academic and non-academic efforts for Hispanic students.
- Developed and co-wrote an executive report that informed UT System leadership on the outcomes of the advisory group’s multi-year research efforts.

Senior Analyst

Texas Tech University Health Sciences Center-El Paso

Paul L. Foster School of Medicine

08/2019 – 12/2021

El Paso, TX

- Designed and created data sets, data models, data tables, and databases to meet the needs of staff and faculty for clinical, public health, and population health research projects or quality improvement projects at the institutional level.
- Provided statistical data analysis and created data visualizations to assist in clinical decision making and public health surveillance efforts.
- Collaborated with faculty to develop epidemiological research efforts from public health, clinical, and real-world data sources.

HSC Research Associate

Texas Tech University Health Sciences Center-El Paso
Paul L. Foster School of Medicine

11/2016 – 01/2019
El Paso, TX

- Directed multiple state and federally funded public health prevention research efforts and oversaw the recruitment of over 3,000 research participants across the west Texas region.
- Supervised and trained research staff, medical students, and medical residents on scientific public health research procedures, statistical analysis, and community recruitment efforts.
- Assisted in writing scientific articles, reports, and presentations for publication or dissemination to grant funders, scientific journals, or the public.

RESEARCH APPOINTMENTS

Principal Investigator: *Protective And Risk Exposures of Cancers Disproportionately Affecting Hispanics in a U.S.-Mexico Border City: A Clinical Informatics Approach.* The University of Texas at El Paso, College of Health Sciences & Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine.

Jun 2023 – Present

Research Assistant: *Health Communication and Risk Perception Laboratory.* The University of Texas at El Paso, School of Pharmacy. Apr 2022 – Present

PhD Research Associate: *The University of Texas System Hispanic “Servingness” Analysis.* The University of Texas System, UT System Hispanic Serving Advisory Group. Mar 2022- Dec 2023

Research Data Analyst: *Determining the Trends and Association of Renal Cell Cancer with Chronic Kidney Disease in a Predominantly Hispanic Community.* Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine. Office of Research. Jan 2023 – Dec 2023

Research Data Analyst: *Saving Sight: Vision Protection and Blindness Prevention in Diabetes.* Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine. Office of Research. Sept 2021 – Dec 2023

Research Coordinator: *BEST 2- Breast Cancer Screening and Navigation Program for El Paso and West Texas.* Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine. Mar 2018 – Jan 2019

Research Associate: *Comparative Effectiveness of Fecal Immunochemical Tests (FIT) with Optical Colonoscopy;* Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine. Dec 2017- May 2018

Research Coordinator: *Es Tiempo de Vacunarte, Its Time to get Vaccinated;* an HPV and HPV vaccine, outreach, and awareness study aimed to reduce the burden of HPV related cancers. Texas Tech University Health Sciences Center- El Paso, Paul L. Foster School of Medicine. Nov 2016-Feb 2018

Principal Investigator: *Gender Differences in Initiation into Methamphetamine Use in a Mexico - U.S. Border City.* The University of Texas at El Paso, College of Health Sciences, Department of Public Health Sciences. Nov 2015 – May 2016

Research Assistant: *The Association of Chronic Exposure to Particulate Matter Air Pollutants, Inflammation, and Atherogenesis in at-risk El Paso Children.* The University of Texas at El Paso, College of Health Sciences, Human Immunology and Nutrition Research Laboratory. Jun 2013- Apr 2014

Research Assistant: *Improving Transportation for Dialysis Patients in West Texas.* The University of Texas at El Paso, College of Health Sciences, Center for Interdisciplinary Health Research and Evaluation. Sep 2012 – Dec 2012

Research Assistant: *Monitoring of the Increased Trust and Confidence of the Community Towards the Police in Ciudad Juarez, Mexico.* The University of Texas at El Paso, College of Health Sciences, Center for Interdisciplinary Health Research and Evaluation. Sep 2012 – Dec 2012

TEACHING EXPERIENCE

Guest Lecturer: The University of Texas at El Paso, College of Health Sciences & School of Pharmacy

- Biostatistics in Public Health – Fall 2013
- Advanced Research Methods – Spring 2023
- Quantitative Methods in the Health Sciences II – Spring 2023
- Applied Biostatistics – Fall 2023
- Research Methods – Spring 2024
- Environmental Health – Spring 2024

PUBLICATIONS

Published- Accepted in Print

- Loza, O., Guevara, P., & **Hernandez, A.** (2021). Gender differences in methamphetamine use initiation and trajectory of use among people who use methamphetamine in a Mexico-US border city. *Addictive disorders & their treatment*, 20(4), 288.
- Molokwu, J; Dwivedi, A; Mallawaarachchi, I; **Hernandez, A**; Shokar, N; Tiempo de Vacunarte (Time to Get Vaccinated): Outcomes of an intervention to Improve HPV vaccination rates in a predominantly Hispanic community. *Journal of Preventative Medicine* (2019). 121, 115-120

Under Review

- Nguyen, P; Roy, S; Singh, V; **Hernandez, A**; Calderon-Mora, J; Molokwu, J. Impact of the COVID-19 pandemic on HPV vaccine uptake in an intervention program situated in a predominantly Hispanic community. *Archives of Public Health*.
- Calderon-Mora, J; **Hernandez, A**; Lara, H; Molokwu; J. Barriers to HPV Vaccine Series Completion among a Predominantly Hispanic Border Population: A Mixed Method Evaluation. *Archives of Public Health*.
- Fietze, G; Padilla, M; Loya, A; Rivera, J; Martinez, A; **Hernandez, A.** COVID-19 Vaccination Clinic Community Survey: Understanding Risk Perceptions, Trusted Sources of Information, and Engagement in Precautionary Behaviors. *Brain, Behavior, & Immunity*.

In Preparation

- **Hernandez, A**; Ibarra-Mejia, G; Catinella, P. Determining the Trends and Association of Renal Cell Cancer with Chronic Kidney Disease in a predominantly Hispanic Community from 2011-2021.

CONFERENCE POSTER PRESENTATIONS

- **Hernandez, A**; Molokwu, J; Shokar, *Determination of Barriers to Achieving HPV Vaccine Series Completion Using Promotora Led Navigation Intervention.* 46th North American Primary Care Research Group Annual Meeting. Chicago IL, November 2018.

- Molokwu, J; Shokar, N; **Hernandez, A**; *Community Based Interventions to Reduce HPV Disease Burden in a Largely Hispanic Border Community; Lessons Learned*. 12th Annual Research Symposium. El Paso TX, April 2018.
- Molokwu, J; **Hernandez, A**; Shokar, N; *Increasing HPV Vaccination Rates in a U.S.-Mexico Border Community*. Innovations in Cancer Prevention and Research Conference. Austin TX, Nov 2017.
- **Hernandez, A**; Molokwu, J; Shokar, N; *Barriers to completion of HPV Vaccination series among a mostly Hispanic population in El Paso County*. Innovations in Cancer Prevention and Research Conference. Austin TX, Nov 2017.
- Molokwu, J; Shokar, N; **Hernandez, A**; *Barriers to completion of HPV Vaccination series among a mostly Hispanic population in El Paso County*. 11th Annual Research Symposium. El Paso TX, April 2017

PROFESSIONAL MEMBERSHIPS

Member, American Public Health Association

Member, American Medical Informatics Association

EXTERNAL SCIENTIFIC REVIEWER

External Reviewer, *Hispanic Health Care International*.

HONORS AND AWARDS

- **Interdisciplinary Health Sciences PhD Candidacy Research Award**, The University of Texas at El Paso - College of Health Sciences, Mar 2024
- **Isabelle and Theodore Thorson Endowment's Annual Excellence Award**, The University of Texas at El Paso - College of Health Sciences, Jan 2024
- **Outstanding New Student Award**, UT Health Sciences Center Houston - School of Biomedical Informatics, Jun 2023
- **Research Grant Recipient**, The University of Texas at El Paso - Provost Office, Jun 2013

COMMUNITY SERVICE

PhD Committee Student Representative: The University of Texas at El Paso, Interdisciplinary Health Sciences PhD Program, El Paso TX. Aug 2022 – Feb 2023.

Co-Chair: El Paso Immunization Coalition (EPIC). Non-Profit Organization. El Paso, TX. Jan 2017- Jan. 2019

Volunteer: YWCA Transitional Living Center, El Paso, TX. Jun 2014 – Oct 2014

Volunteer: Candlelighters of West Texas/Southern New Mexico, El Paso, TX. Jun 2009 – Jul 2014

SKILLS

- Native Fluency in Spanish
- Advanced Proficiency in SPSS, Microsoft Office, REDCap
- Intermediate proficiency in SQL, Tableau, R Studio
- Extensive use of Population Health Information Systems and Data Warehousing