

# Dave Gerald Arellano, AS. BS. MPH.

## Education **Doctor of Interdisciplinary Health Sciences (Ph.D)**

The University of Texas at El Paso (UTEP) Admitted: June 2022, Graduated: in progress, Overall GPA: **3.93/4.0**

## **Masters of Public Health (MPH)**, concentration in Hispanic and Border Health

The University of Texas at El Paso (UTEP) Admitted: August 2018, Graduated: December 2019, Overall GPA: **3.93/4.0**

## **Bachelors of Science (BS) in Health Promotion with a Minor in Biological Sciences**

The University of Texas at El Paso (UTEP) Admitted: August 2014, Graduated: May 2016, Overall GPA: **3.78/4.0**

## **Associates of Science (AS) in Biological Sciences, Pre-Pharmacy, and Pre-Medicine**

El Paso Community College (EPCC) Admitted: August 2010, Graduated: May 2013, Overall GPA: **3.59/4.0**

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## Work Experience

### **University of Texas at El Paso – Neurological Disorders & Stress Management Research Assistant...20hrs per week**

El Paso, TX (February 2024 – May 2025)

- Conducted academic research on multiple sclerosis and rehabilitation sciences, contributing to the development of evidence-based practices aimed at improving patient outcomes. Performed comprehensive literature reviews to support ongoing studies on neurological disorders, stress management, and associated health disparities. Delivered public presentations and represented the lab at academic conferences, serving as a co-presenter on various research topics. Assisted in the mentorship and training of undergraduate students by guiding them through lab protocols and research methodology. Collaborated with faculty and researchers to support the design, execution, and dissemination of research projects.

### **El Paso Department of Public Health – Covid-19 Antibody Tester/ Field Educator Specialist.....40hrs per week**

El Paso, TX (March 2020-January 2021)

- Assigned multiple positions with the Education Task Force (ETF) in order to respond to the **Covid-19 outbreak**. The following are the job titles: Field Educator, **2<sup>nd</sup> in Command/Supervisor** for the (ETF), **COVID-19 Antibody Tester, Epidemiology** Case Worker Investigator/Contact Tracer and ETF Nursing Home Field Educator, Cluster Strike Force/ Infection Control. Served as a Supervisor/Second in Command for the ETF and police officers (EPPD)' **supervised** and **trained** new employees joining the ETF; job duties included the following: coordinating educational efforts to help prevent the propagation of COVID-19; ensuring that essential businesses (e.g., general businesses, transportation, critical infrastructure, gyms, restaurants) are adhering to local and state ordinances/ health orders; field work assessments (conducting outreach services); **epidemiological case investigations**.

### **El Paso Department of Public Health – HIV Education Outreach Specialist.....40hrs per week**

El Paso, TX (December 2019-January 2021)

- Performed **rapid antibody tests** for HIV, Syphilis, & HCV; provided full session counseling; delivered results; reported positive results to DIS; conducted outreach activities; provided referrals to local healthcare facilities; linking clients to care; provided educational presentations to the public/ clinicians on HIV/AIDS; educated and counseled individuals and groups on the **epidemiology** of HIV, modes of transmission/prevention; conducted data entry into state database; creating monthly reports; inventory; risk assessments; ran test controls; monitor disease trends and consults with senior leaders to ensure that appropriate measures are taken to prevent the introduction/spread of communicable diseases; assisted senior colleagues in applying public health knowledge to improve the population's health.

**Border Biomedical Research Center (UTEP) College of Science – Graduate Research Assistant.....40hrs per week**  
El Paso, TX (August 2019-December 2019)

- Assisted with various duties pertaining to tropical intracellular protozoan parasites within the biosafety level II. Various duties included the following: cultivating *T. cruzi* parasites; cultivating leishmania parasites; purifying leishmania parasites; freezing and storing the parasites; microscopic examination/counting the parasites; screening drugs; autoclaving; performing an SDS-PAGE; growing cells; amplifying the genetic sequences of their DNA; ran PCR and ELISA; served as a coordinator; conducted outreach work as a health education prevention specialist; created and distributed surveys for data analysis; provided a literature review on experimental vaccines that can utilized to treat Chagas Disease; created a PP presentation on Chagas disease; served as a conference speaker for various departments (e.g., Immunizations, WIC, **Emergency Preparedness**, Health Edu. & Promo, **Epidemiology**); designed and piloted qualitative and/or quantitative tools and materials in support of the data collection plan with minimal supervision.

**El Paso Department of Public Health – Medicaid Waiver Graduate Intern.....20hrs per week**  
El Paso, TX (October 2019-December 2019)

- Assisted with various duties pertaining to immunizations; BP screenings; BMI screenings; and cancer screenings (colorectal cancer and mammograms); created databases; cleaned the data; checked for duplicates; analyzed data; performs statistical data analysis; maintain records; review operational deficiencies and prepares recommendations; supported a multi-faceted office and administrative staff.

**The University of Texas at El Paso (UTEP) – Graduate Teaching Assistant (T.A.).....40hrs per week**  
El Paso, TX (January 2019-August 2019)

- Student enrolled in a master’s program appointed to assist an instructional capacity; served as a **supervisor**; managed multiple courses; assist faculty/professors within the College of Public Health Sciences; developed teaching materials; prepared and administer exams to undergraduate students; serve as a proctor; graded examinations/assignments; assisted with various duties pertaining to undergraduate advising/degree counseling; supported a multi-faceted office and administrative staff.

**El Paso Department of Public Health – Health Edu & Promo Graduate Intern.....40hrs per week**  
El Paso, TX (July 2018-September 2019)

- Participates in the review, development and implementation of forms, paper flow, policies and procedures in assigned department; performs assigned research projects and surveys; complies and analyzes data and prepares reports and recommendations; performs statistical analysis; enters, retrieves and interprets data from management information system and or personal computer; prepares charts, graphs and diagrams; develops and delivers presentations of studies both orally and in writing; maintain records, reviews operational deficiencies and prepares recommendations; served as a **conference speaker**.

**El Paso Department of Public Health – Emergency Preparedness Zika Virus Specialist.....40hrs per week**  
El Paso, TX (October 2017-June 2018)

- Introduces target population to Zika preventative strategies, goals and objectives; **supervised** and trained colleagues on Zika education and prevention; educated the community on the repercussions that are associated with acquiring Zika virus; provides liaison services between target population (pregnant women and women of childbearing age) and other social agencies; assists program staff with follow-up on cases; participates in gathering community data to assess program effectiveness; conducted analyses (e.g., measures of frequency such as incidence, prevalence, and other descriptive statistics) of data from **epidemiologic investigations**; prepares monthly reports for supervisor on services provided; provides education and participates in outreach events.

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**Skills**

- Bilingual (English & Spanish)
- Ability to communicate tactfully and effectively, both orally and in writing

- Strong work ethic/ interpersonal skills/ problem solving/analytical skills
  - Conference speaker, typing proficiency (60 words per minute).
  - Flexibility/adaptability, proficient in IBM: SPSS, Microsoft Office, Power Point, Word, Excel, Epi Info, Articulate 360
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## HONORS AND AWARDS

Date	Award
Spring 2010	National Honor Society Certificate and Golden Honors Cord Awarded
Spring 2013	EPCC Honors Pin, Certificate, and Trophy
Spring 2013	EPCC Honors Recognition
Fall 2014	UTEP First Year Scholarship
Fall 2014	The Wolslager Foundation EPCC Transfer Scholarship
Fall 2014	Lyon Family Foundation Scholarship
Spring of 2015 & 2016 Fall 2015	UTEP: College of Health Sciences Dean's List
Spring 2016	Who's Who Among Students in American Universities and Colleges Certificate
Spring 2016	UTEP Honors Certificate and Honors Graduation Golden Cord
Spring 2016	Cum Laude - Honors
Spring 2017	Public Health Graduate Certificate Awarded
Spring 2023	DSHS Merit Award
Fall 2024	

## Publications

Lee B, Bhattarai M, Hermida A, Garcia S, Arellano D. Environmental Supports and Unemployment Among White and Minority Individuals with Multiple Sclerosis: A Hierarchical Logistic Regression Model. *Journal of Vocational Rehabilitation*. 2025;0(0). doi:10.1177/10522263251337590

Lee, B., Granger, T., Pan, D., & Arellano, D. (2025). Dimensionality of Well-being in People with Multiple Sclerosis: A

## PROFESSIONAL MEMBERSHIPS

<b>Date:</b>	<b>Society</b>	<b>Position(s)</b>
(01/August/2016)- (Present)	Optimist International	Member
(01/August/2016)- (01/December/2019)	Healthy Exchange Lecture Series	Member
(01/August/2014)- (20/May/2016)	UTEP University Honors Program	Member
(01/August/2010)- (20/May/2013)	Phi Theta Kappa	Member
(01/January/2009)- (20/May/2010)	National Honor Society	Member

## References

- References available upon request.