

# EMANUEL ALCALA

1625 East Shaw Avenue, Suite #146, Fresno, CA, 93740 | [ealcala@mail.fresnostate.edu](mailto:ealcala@mail.fresnostate.edu)

## EDUCATION

---

<b>University of California, Merced</b> Public Health	<b>PhD Student</b>	2016-Present
<b>California State University, Fresno</b> Emphasis: General-Experimental Psychology Thesis: Effects of Weapon Exposure on Confidence in Weapon Identification	<b>MA</b>	2011-2013
<b>California State University, Fresno</b> Major: Psychology	<b>BA</b>	2005-2010

## AWARDS

---

Robert Wood Johnson Foundation Health Policy Research Scholar	2017-21
Graduate Student Opportunity Fellowship	2017-18
Dean's List	fall 2008, spring 2009
President's List	fall 2007

## PROFESSIONAL AFFILIATIONS

---

American Public Health Association (APHA)  
Section: Applied Public Health Statistics  
Section: Environmental Health

## AREAS OF INTEREST

---

Health, Health Disparities, Epidemiology, Ambulatory Care-Sensitive Conditions, Life Expectancy, Non-Communicable Chronic Conditions, Multilevel Statistical Modeling

## PUBLICATIONS AND PAPERS

---

- Jadhav, R., **Alcala E.**, Sirota, S., & Capitman, J. A. (2021). Risk factors for acute urticaria in central California. *International Journal of Environmental Research and Public Health*, 18(7), 3728.
- Zografos, K., **Alcala, E.**, Capitman, J.A., & Khang, L. (2020). Integrating undergraduate research experience into public health curricula: Effects on undergraduate students' knowledge of neighborhood inequalities, perception of research, and motivation to talk about health issues. *Pedagogy in Health Promotion*.

- Garcia, T. D., **Alcala, E.**, & Capitman, J. A. (2020). Has the Affordable Care Act Influenced Cardiology Disease Rates in the San Joaquin Valley? *Research in health science*, 5(3). doi: <http://www.scholink.org/ojs/index.php/rhs/article/view/3174>
- Alcala, E.**, Brown, P., Capitman, J. A., Gonzalez, M., & Cisneros, R. (2019). Cumulative Impact of Environmental Pollution and Population Vulnerability on Pediatric Asthma Hospitalizations: A Multilevel Analysis of CalEnviroScreen. *International journal of environmental research and public health*, 16(15), 2683.
- Lama, G., **Alcala E.**, & Capitman, J.A. (2018). Poor people are hospitalized three times more for mental health services than the non-poor in Central Valley California. *Healthcare Multidisciplinary Digital Publishing Institute*, Vol. 6, No. 1, p. 5.
- Alcala, E.**, Cisneros, R., & Capitman, J.A. (2017). Health care Access, concentrated poverty, and pediatric asthma hospital care use in California's San Joaquin Valley: A multilevel approach. *Journal of Asthma*, 1-9.
- Lessard, L., **Alcala, E.**, & Capitman, J.A. (2015). Pollution, poverty, and potentially preventable childhood morbidity in central California. *Journal of Pediatrics*. Original Articles [www.jpeds.com](http://www.jpeds.com) doi: <http://dx.doi.org/10.1016/j.jpeds.2015.08.007>
- Zografos, K., Krenz, V., Yarmo, K., & **Alcala, E.** (2015). College students' utilization of protective alcohol-use behaviors: Effects of age, gender, and year in school. *California Journal of Health Promotion* 12(3), 49-58
- Sharps, M.J., Herrera, M., Dunn, L., & **Alcala, E.** (2012). Repetition and reconfiguration: Demand-based confabulation in initial eyewitness memory. *Journal of Investigative Psychology and Offender Profiling*. 9,149-160. doi: 10.1002/jip.1361
- Alcala, E.**, & Capitman, J.A. (in preparation). Social determinants of premature mortality for Mexican-American elders.

#### CONFERENCE ORAL PRESENTATIONS

---

- Alcala, E.**, Silva, Y., Megally, H., Doherty, R., & Capitman, J. A. (2020). Innovative Design for Identifying Priority needs in the San Joaquin Valley: Fresno County Community Health Needs Assessment. American Public Health Association (APHA) annual conference, Virtual Convening. October 28.
- Jadhav, R., **Alcala E.**, Sirota, S., & Capitman, J. A. (2020). Risk factors for acute urticaria in central California American Public Health Association (APHA) annual conference, Virtual Convening. October 28.
- Larsen, M., **Alcala, E.**, Tawfik, A., Capitman, J., & Sadeeghvaziri, E. (2020). Exploring the effects of traffic-related air pollution on public health in census tract level. *International Conference on Transportation and Development*, 75-85.

**Alcala, E.,** Wiemann, A., & Capitman, J.A. (2019). Race/ethnicity, nativity, interpregnancy interval and preterm delivery in the San Joaquin Valley. American Public Health Association (APHA) annual meeting and exposition. (Nov. 2 – Nov. 6).

Capitman, J. A., Pacheco-Werner, T., Chambers, B., Mendoza, S., Chan, S., **Alcala, E.** (2019). Using science and community to create a preterm birth policy agenda. American Public Health Association (APHA) annual meeting and exposition. (Nov. 2 – Nov. 6).

**Alcala, E.,** & Capitman, J.A. (2017). Neighborhood Context and the Latino Paradox among Mexican American Elders in Central California. American Public Health Association (APHA) annual conference, Atlanta, GA. November 7.

**Alcala, E.,** & Capitman, J.A. (2016). Pollution, Insurance Coverage, and Childhood Asthma Morbidity in Central California. Presentation at Valley Children’s Hospital for the Central California Asthma Coalition, Madera, CA. November 11.

**Alcala, E.** (2016). Racial & ethnic disparities in birth outcomes in central California. Presentation at the California WIC Association 2016 Annual Conference and Trade Show in San Diego California, April 18-19.

**Alcala, E.,** & Capitman, J.A. (2015). Social Determinants of Health: CalEnviroScreen and Potentially Preventable Childhood Morbidity in California’s Central Valley. Presentation at the National Institute of Environmental Health Sciences/Environmental Protection Agency (NIEHS/EPA) Children’s Centers Annual Meeting, Washington, D.C.

Capitman, J.A., & **Alcala, E.** (2015). Social determinants of health: The San Joaquin Valley. Webinar/presentation on individual and neighborhood determinants of health inequities in California’s Central Valley. <http://www.csufresno.edu/chhs/cvhpi/presentations/index.html>

#### CONFERENCE POSTERS

---

**Alcala, E.,** Wiemann, A., & Captimant, J.A. (2019). Race/ethnicity, nativity, interpregnancy interval and preterm delivery in the San Joaquin Valley. American Public Health Association (APHA) Annual Conference, Philadelphia, PA. November 3.

**Alcala, E.,** Conley, A., Garcia, T., Silva, Y., & Capitman, J.A. (2019). Estimated Regional Impact of the Public Charge Proposal. American Public Health Association (APHA) Annual Conference, Philadelphia, PA. November 5.

**Alcala, E., & Capitman, J.A. (2017).** Emergency department and hospital utilization in an asthmatic pediatric population in central California. American Public Health Association (APHA) annual conference, Atlanta, GA. November 6.

**Alcala, E., & Capitman, J.A. (2016).** Pollution, poverty, and childhood asthma morbidity in central California. American Public Health Association (APHA), Denver, CO. October 31.

**Alcala, E., & Capitman, J.A. (2015).** Social Determinants of Health: CalEnviroScreen and Potentially Preventable Childhood Morbidity in California's Central Valley. Poster board session at NIEHS/EPA Children's Centers Annual Meeting, Washington, D.C.

**Alcala, E., Lessard, L., & Capitman, J.A. (2014).** Place and health: Preventable hospitalizations for adults in the Central Valley of California. Poster presented at the American Public Health Association (APHA), New Orleans, LA.

#### RELATED EXPERIENCE

---

Central Valley Health Policy Institute 2019-Present

**Assistant Director**

Conduct process and outcome program evaluation, develop logic models, strategic plans, and indicators for the improvement of program implementation

University of California, Merced Fall 2018-Spring 2019

**Graduate Peer-Mentor**

Mentor incoming graduate students to acclimate to the academic environment, increase knowledge of resources, and interact with various faculty, staff, and students

**Post Graduate Fellow**

Conduct process and outcome program evaluation, develop logic models, strategic plans, and indicators for the improvement of program implementation

Central Valley Health Policy Institute 2017-2019

**Research Associate**

Develop research questions, designs, and analyses in collaboration with researchers from the Children's Health and Air Pollution Study (CHAPS) funded by EPA/NIEHS

University of California, Merced spring 2016

**Graduate Student Researcher (GSR)**

Consult graduate students on data management and analysis

Central Valley Health Policy Institute <b>Research Analyst</b>	2013 – 2016
Develop research ideas and design, run statistical analyses (logistic, Poisson-based, and multilevel regressions), manage large datasets (SPSS, Excel, SAS), write and review health reports, submit data requests, and supervise and provide support for interns	
Central Valley Health Policy Institute (Off-Site) <b>Statistical Consultant</b>	2013 – 2016
Consult professors, graduate, and undergraduate students on statistical analyses for unpublished manuscripts and theses	
Cognitive Psychology Lab <b>Research Assistant</b>	2009 – 2013
Assisted in administration of research studies, coding, building scoring rubrics, conducted inter-rater judging, used SPSS to manage data and apply statistics to answer research questions including reliability tests, t-tests, ANOVAs, and Chi-Squared tests	

#### TEACHING EXPERIENCE

---

University of California, Merced Environmental Health <b>Graduate Teaching Assistant (TA) and Guest Lecturer – “Introduction to Toxicology”</b>	2016
California State University, Fresno Graduate Public Health Seminar <b>Guest Lecturer – “Childhood Morbidity in the Central Valley”</b>	2014
California State University, Fresno Introduction to Statistics <b>Guest Lecturer – “Distribution Theory”</b>	2014
California State University, Fresno Introduction to Statistics <b>Guest Lecturer – “F Distribution”</b>	2014
California State University, Fresno Introduction to Psychology <b>Guest Lecturer – “Careers in Psychology”</b>	2012

