

**ERIKA AUSTHOF**

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**EDUCATION**


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<b>Certificate in College Teaching</b> <i>University of Arizona</i>	In Progress
<b>Master of Public Health, Epidemiology</b> <i>University of Arizona</i>	12/2015
<b>Bachelor of Science, Microbiology</b> <i>University of Arizona</i> Minor: Chemistry	5/2012

**RESEARCH INTERESTS**


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Human health impacts of climate change, foodborne illness, one health

**WORK EXPERIENCE**


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<b>Epidemiologist</b> <i>University of Arizona MEZCOPH</i>	<b>1/2016 – Present</b>
<b>Research Intern</b> <i>Pima County Health Department, Climate Change Group</i>	1/2015 – 9/2016
<b>Technician, Biological Safety</b> <i>University of Arizona, Research Laboratory Safety Services</i>	5/2014 – 5/2015
<b>Technician, Chemical Safety</b> <i>University of Arizona, Research Laboratory Safety Services</i>	5/2012 – 5/2014
<b>Undergraduate Research Assistant</b> <i>University of Arizona, Department of Pharmacy</i>	4/2011 – 5/2012

**TEACHING AND MENTORING EXPERIENCE**


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<b>Graduate Teaching Assistant</b> <i>University of Arizona, SAFER</i>	8/2015 – 12/2015
<b>Instructor – Basic Epidemiology</b> <i>Arizona School of Acupuncture and Oriental Medicine</i>	1/2016 – 4/2016
<b>Instructor – Basic Biosafety Course, Plant Hazard Course</b> <i>University of Arizona, Research Laboratory Safety Services</i>	6/2014 – 6/2015

**HONORS AND AWARDS**


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**Dean's List**, Fall 2009

## PUBLICATIONS

**Research Manuscripts**

- Pogreba-Brown K, **Austhof E**, Okello A, Weiss J, Lira R, Ernst K. Public Perceptions of Non-Pharmaceutical Interventions for Influenza and Mosquito-borne Illnesses – A Statewide Survey in Arizona. *Perspectives in Public Health*. 2019. DOI: 10.1177/1757913919886605
- Pogreba-Brown K, **Austhof E**, Armstrong A, Schaefer K, Villa L, et al. Chronic gastrointestinal and joint-related Sequelae Associated with Common Foodborne Illnesses – A Scoping Review. *Foodborne Pathogens and Disease*. 2019. DOI: 10.1089/fpd.2019.2692
- Pogreba-Brown K, **Austhof E**, Ellingson K. The Case-Case Study: An Underutilized Tool in Infection Prevention. *American Journal of Infection Prevention*. 2019. DOI: 10.1016/j.ajic.2018.11.024
- Ernst K, **Barrett E**, Hoswell E, Hayden M. Increasing women’s engagement in vector control: a report from Accelerate to Equal project workshops. *BMC Malaria Journal*. 2019;17(1):326. DOI: 10.1186/s12936-018-2477-0
- **Barrett E**, Carr D, Bell ML, Pogreba-Brown K. Post-infectious sequelae after Campylobacter enteric infection: a pilot study in Maricopa County, Arizona, USA. *Pilot and Feasibility Studies*. 2018;4(1):142. DOI: 10.1186/s40814-018-0335-z
- Pogreba-Brown K, O’Connor P, Matthews J, **Barrett E**, Bell ML. Case-case analysis of Campylobacter and Salmonella – using surveillance data for outbreak investigations and monitoring routine risk factors. *Epidemiology and Infection*. 2018;146(15):1916-1921. DOI: 10.1017/S0950268818002200
- Pogreba-Brown K, **Barrett E**. Campylobacter and Ethnicity – A case-case analysis to determine differences in disease presentation and risk factors. *Foodborne Pathogens and Disease*. 2018;15(5):277-284. DOI: 10.1089/fpd.2017.2337
- Hayden M, **Barrett E**, Bernard G, Toko EN, Agawo M, Okello AM, Gunn J, Ernst K. Barriers and opportunities to advancing women in leadership roles in vector control: perspectives from a stakeholder survey. *American Journal of Tropical Medicine and Hygiene*. 2018;98(5):1224-1227. DOI: 10.4269/ajtmh.17-0693
- **Barrett E**, Barnes S, Pogreba-Brown K. An Experiential Learning Exercise in food-borne illness outbreak investigations: bridging education and experience. *Pedagogy in Health Promotion*. 2018;4(1):43-51. DOI: 10.1177/2373379917700440
- Oren E, Fiero MH, **Barrett E**, Anderson B, Nunez M, Gonzalez-Salazar. Detection of Latent Tuberculosis Infection among migrant farmworkers along the US-Mexico Border. *BMC Infectious Disease* 2017;16(1):630. DOI: 10.1186/s12879-016-1959-3
- Zhu L, **Barrett E**, Xu Y, Liu Z, Manoharan A, et. al. Regulation of Cigarette Smoke (CS)-Induced Autophagy by Nrf2. *PLoS One*. 2014;9(1). DOI: 10.1371/journal.pone.0055695

*Manuscripts Submitted for Publication*

- **Austhof E**, Berisha V, McMahan B, Owen G, Keith L, Roach M, Brown H. Engaging Public Health Stakeholders in Climate and Health Adaptation: case study, lessons learned and next steps, *American Journal of Public Health*.
- **Austhof E**, Busick K, Esquivel L, McKaughan, Pogreba-Brown. Conducting Surveillance with the Student Aid for Field Epidemiology Response Program: Management, Interview Rates, and Impacts of Text Messaging, 2008-2017. *Public Health Reports*.
- Pogreba-Brown K, **Austhof E**, Armstrong A, Schaefer K, McClelland J. Improved Workflow and Team Efficiency for Scoping and Systematic Reviews through the use of internet-based tools. *BMC Systematic Reviews*.
- Oren E, **Austhof E**, Fisher JM, Billheimer D, Laudenslager M, Gerald LB. Hair biomarkers among middle-school children in relation to school stress: A feasibility study. *Biomarkers*.

## White Papers

- Roach M, **Austhof E**, Berisha V, Brown H, Carr D, Harlow-Smith L, Hondula D, Snyder K. Addendum to the Arizona Climate and Health Adaptation Plan. A report prepared for the CDC Climate-Ready States and Cities Initiative. 2018.
- Morano LH, Jagger MA, **Barrett E**, Berisha V, Borjan M, Heitzinger K, Kumar R, Lane K, Lumia M, Menager H, Thie L. Syndromic Surveillance Climate and Health Guidance Document. A CSTE guidance document prepared by the CSTE Climate and Health Syndromic Surveillance Workgroup, CSTE Climate Change Subcommittee. 2017.
- Roach M, **Barrett E**, Brown HE, Dufour B, Hondula DM, Putnam H, Sosa B. Arizona's Climate and Health Adaptation Plan. A report prepared for the CDC Climate-Ready States and Cities Initiative. 2017.

## CONFERENCE PRESENTATIONS

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### Oral Presentation

- **Austhof E**, Berisha V, McMahan, B, Owen, G, Keith L, Roach M, Brown H. Engaging Public Health Stakeholders in Climate Change Adaptation: Lessons learned from Maricopa County, AZ and the Climate Assessment for the Southwest. December 2019. Paper presented at American Geophysical Union Fall Meeting, San Francisco, CA.
- **Austhof E**, Carr D, Pogreba-Brown K, Bell M. Post-infectious sequelae after Campylobacter enteric infection: a pilot study. September 2019. Paper presented at Campylobacter, Helicobacter and Related Microorganisms conference, Belfast, Ireland. (non-presenting author)
- Roach M, Hondula D, Brown H, **Barrett E**, Carr D, Hill C, Berisha V. Adapting to Climate Extremes in Arizona: Utilizing a Monitoring and Evaluation Framework to Implement and Improve Climate and Health Interventions. January 2019. Presented at American Meteorological Society Annual Meeting, Phoenix, AZ. (non-presenting author)
- Hayden M, Ernst KC, **Barrett E**. Women in Vector Control: Propelling Communities Towards Action. December 2018. Paper presented at American Geophysical Union Fall Meeting, Washington, DC. (non-presenting author)
- Morano LH, Jagger M, Thie L, **Barrett E**. Utilizing syndromic surveillance systems for climate-related outcomes. November 2017. Paper presented at American Public Health Association, Atlanta, GA. (non-presenting author)
- Jagger M, Schafrick N, Cameron L, Christenson M, Lane K, Raab K, Brown H, **Barrett E**, Schramm P, Conlon K. Using Vulnerability Assessments for Climate-Related Interventions. November 2017. Paper presented at American Public Health Association, Atlanta, GA. (non-presenting author)
- Oren E, Fiero MH, **Barrett E**, Anderson B, Nunez M, Gonzalez-Salazar. Detection of Latent Tuberculosis Infection among migrant farmworkers along the US-Mexico Border. June 2017. Paper presented at 12th Summer Institute on Migration and Global Health, Oakland, CA.
- **Barrett E**. Heat Related Illness and Vulnerable Populations: Interventions for Homelessness, Substance Abuse & Mental Illness. April 2016. Presented at the University of Arizona Social Justice Symposium, Tucson, AZ.
- **Barrett E**. Implementation of an Audit Program. October 2014. Presented at Tri-University Safety Conference, Tucson, AZ.

### Poster Presentations

- Wagoner R, Pogreba-Brown K, **Barrett E**, Bell M. Campylobacter and Laboratory Analysis Type: a Case-Case Analysis to Determine Differences in Risk Factors. August 2019. Paper presented at Annual Conference of the International Society for Environmental Epidemiology, Utrecht, Netherlands.

- Pogreba-Brown K, **Austhof E**. Campylobacter and Ethnicity – A case-case analysis to determine differences in disease presentation and risk factors. September 2019. Paper presented at Campylobacter, Helicobacter and Related Microorganisms conference, Belfast, Ireland.
- Pogreba-Brown K, **Austhof E**, Armstrong A, Schaefer K, Villa L, et al. A Scoping Review to Identify Gaps in Current Data on Campylobacteriosis. September 2019. Poster session presented at Campylobacter, Helicobacter and Related Microorganisms conference, Belfast, Ireland.
- Pogreba-Brown K, **Austhof E**, Armstrong A, Schaefer K, Villa L, et al. Foodborne Illnesses and Chronic Sequelae: A Review of Disease Burden. May 2018. Poster session presented at International Society for Pharmacoeconomics Outcomes Research, New Orleans, LA.
- Pogreba-Brown K, **Austhof E**, Armstrong A, Schaefer K, Villa L, et al. Scoping Review of Chronic Sequelae Associated with Common Foodborne. July 2019. Poster session presented at International Association of Food Protection, Louisville, KY.
- Pogreba-Brown K, **Austhof E**, Okello A, Weiss J, Lira R, Ernst K. Public Perceptions of Non-Pharmaceutical Interventions for Mosquito-Borne and Influenza Illnesses – a Statewide Survey in Arizona. June 2019. Poster session presented at Council of State and Territorial Epidemiologists, Raleigh, NC.
- **Austhof E**, K Busick, C McKaughan, L Esquivel, K Pogreba-Brown. Conducting Surveillance with the Student Aid for Field Epidemiology Response Program: Interview Rates and Impacts of Text Messaging, 2008-2017. June 2019. Poster session presented at Council of State and Territorial Epidemiologists, Raleigh, NC.
- **Austhof E**, Carr D, Pogreba-Brown K, Bell M. Post-Infectious Sequelae after Campylobacter Enteric Infection: A Pilot Study. June 2019. Poster session presented at Council of State and Territorial Epidemiologists, Raleigh, NC.
- Pogreba-Brown K, O'Connor P, Matthews J, **Barrett E**, Bell ML. Case-case analysis of Campylobacter and Salmonella – using surveillance data for outbreak investigations and monitoring routine risk factors. June 2018. Poster session presented at Council of State and Territorial Epidemiologists, West Palm Beach, FL.
- Oren E, **Barrett E**, Fisher J, Billheimer D, Laudenslager M, Gerald L. Hair Biomarkers among middle-school children in relation to school stress and asthma. March 2017. Poster session presented at Annual Society of Behavioral Medicine Meeting, San Diego, CA.
- Oren E, Garcia D, **Barrett E**, Gonzalez-Salazar F. PD-777-27 Novel case management strategy for latent tuberculosis infection among migrant farmworkers. October 2016. Poster session presented at 47<sup>th</sup> Union World Conference on Lung Health, Liverpool, UK.

#### INSTITUTIONAL SERVICE

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MEZCOPH College Environment Committee	2016-Present
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#### PROFESSIONAL MEMBERSHIPS

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Council of State and Territorial Epidemiologists	2014 – Present
Subcommittees: Disaster Epidemiology, Climate Change, Infectious Disease	
American Industrial Hygiene Association	2012 – 2014
American Chemical Society	2012 – 2016
American Physician Scientists Association	2014 – 2015
American Biological Safety Association	2014 – 2016

#### COMMUNITY VOLUNTEER EXPERIENCE

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Tucson Community Emergency Response Team	2014 – 2016
American Red Cross Disaster Action Team	2014 – 2016
American Chemical Society – Arizona Women's Chemistry Group	2013 – 2015

## ADDITIONAL SKILLS & TRAINING

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**Computer Programs:** STATA, Microsoft Office (Word, Excel, Publisher, Outlook), Articulate, Covidence, Mendeley, Qualtrics, Trello, Slack

**Facilitation:** Technology of Participation: Partners in Participation

**Laboratory Safety:** Respirator fit-testing, Bloodborne Pathogens Training, Chemical Safety in Research Laboratories, Basic Biosafety & Plant Hazard Protection, Biosafety Level 3 & Select Agent and Toxin Protection, Radioactive Material & Sealed Source Protection, Export Control Safety

**Emergency Management:** Incident Command System (ICS) training through FEMA