

Caleigh Alicyn Curley

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Education

- **University of Arizona | Tucson, AZ** **May 2025**
DrPH – Public Health Policy and Management, Health Promotion
- GPA: 3.94
- **Northern Arizona University | Flagstaff, AZ** **November 2020**
MPH – Health Promotion, Indigenous Track
- GPA: 3.93
- **Northern Arizona University | Flagstaff, AZ** **May 2018**
BS – Biomedical Sciences, Chemistry
- GPA: 3.82 Cum Laude

Work Experience/Research

- **Research Program Administrator** **July 2022-Current**
University of Arizona, Tucson, AZ
- Collaboratively works with the Intertribal Council of Arizona (ITCA) and the Arizona Department of Health to improve Indigenous data governance policies throughout Arizona.
- **Co-Instructor- Indigenous Research and Ethics** **Fall 2023**
University of Arizona, Tucson, AZ
- Updated and co-taught a graduate course on Indigenous Research Ethics. Helped expand course design to be intersectional and multi-disciplinary. Contributed to content and experiences on Indigenous ways of knowing, research, and data policy and practice.
- **Research Technician** **December 2020-August 2023**
Northern Arizona University, Flagstaff, AZ
- Collaboratively works with the Navajo Epidemiology Center, the Community Outreach Patient Empowerment, and other Tribal entities to study the impact of the 2% tax of unhealthy foods. Findings from this study are used to inform Tribal leaders and policymakers.
- **Research Consultant** **July -August 2021**
Northern Arizona University, Flagstaff, AZ
- Partnered with Diné Food Sovereignty Alliance to teach local health champions on the Navajo Nation how to develop a community wellness proposal using funds generated from the 2% tax on unhealthy foods.
- **Graduate Research Assistant** **August 2019-November 2020**
Northern Arizona University, Flagstaff, AZ
- Collaborated with the Navajo Epidemiology Center and the Community Outreach Patient Empowerment program to determine the fidelity and implementation of a 2% tax of unhealthy foods on the Navajo Nation.
- **Research Specialist** **October 2018-July 2019**
Northern Arizona University, Flagstaff, AZ
- Stationed at the Navajo Epidemiology Center within the Navajo Nation Department of Health in Window Rock, AZ.

- Collaborated with the Navajo Epidemiology Center to prepare for the second round of the Navajo Nation Behavior Risk Factor Surveillance Survey (NNBRFSS).
- Facilitated with other projects such as an elder needs assessment.
- **Summer Research Intern** **June 2018-August 2018**
National Institutes of Health, Phoenix, AZ
 - Completed an independent project focused on identifying the genetic determinants of type 2 diabetes.
 - Identified a stop-gain variant in the gene encoding D-amino acid oxidase (*DAO*) as one of the strongest variants associated with lower 24hr energy expenditure. This variant is also associated with lower insulin secretion.
- **Undergraduate Research Intern** **August 2016-May 2018**
Northern Arizona University, Flagstaff, AZ
The Partnership for Native American Cancer Prevention
 - Completed research training and contributed to existing projects pertaining to the effect of binge alcohol drinking on the innate immune system.
 - Completed an individual project focused on identifying the effect of binge alcohol drinking on the ability of *Burkholderia thailandensis* to adhere and invade a variety of epithelial cell types.
- **Summer Intern** **June 2017-August 2017**
Massachusetts General Hospital, Boston, MA
 - Contributed to a project aimed to provide an early, noninvasive diagnosis of pancreatic ductal adenocarcinoma (PDAC) using a novel extracellular vesicle flow cytometry method across preclinical and clinical PDAC samples.
- **Summer Intern** **June 2016-August 2016**
Tsehootsooi Medical Center, Fort Defiance, AZ
 - Worked with the Partnership to Improve Community Health department to build community gardens and increase access to healthy foods.
- **Summer Intern** **June 2015-August 2015**
Tsehootsooi Medical Center, Fort Defiance, AZ
 - Worked with the Health Promotion and Disease Prevention department to coordinate a series of walks/runs within different communities to increase access to physical activity opportunities.

Peer-Reviewed Publications

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- Yang, K. S., Lin, H., **Curley, C.**, Welch, M. W., Wolpin, B. M., Lee, H., Weissleder, R., Im, H., & Castro, C. M. (2020). Bead-Based Extracellular Vesicle Analysis Using Flow Cytometry. *Advanced Biosystems*, 2000203. <https://doi.org/10.1002/adbi.202000203>
- Yazzie, D., Tallis, K., **Curley, C.**, Sanderson, P. R., Eddie, R., Behrens, T. K., Antone-Nez, R., Ashley, M., Benally, H. J., Begay, G. A., Jumbo-Rintila, MA, S., & de Heer, H. D. (2020). The Navajo Nation Healthy Diné Nation Act: A Two Percent Tax on Foods of Minimal-to-No Nutritious Value, 2015–2019. *Preventing Chronic Disease*, 17, 200038. <https://doi.org/10.5888/pcd17.200038>
- Yazzie, D., Tallis, K., **Curley, C.**, Sanderson, P. R., Eddie, R., Shin, S., Behrens, T. K., George, C., Antone-Nez, R., Jumbo-Rintila, S., Begay, G. A., & de Heer, H. “Dirk.” (2021). The Navajo Nation Healthy Diné Nation Act: A Description of Community Wellness Projects Funded by a 2% Tax on Minimal-to-No-Nutritious-Value Foods. *Journal of Public Health Management and Practice, Publish Ahead of Print*. <https://doi.org/10.1097/PHH.0000000000001371>

- George, C., Bancroft, C., Salt, S. K., Curley, C., **Curley, C.A.**, de Heer, H. D., Yazzie, D., Eddie, R., Antone-Nez, R., & Shin, S. S. (2021). Changes in food pricing and availability on the Navajo Nation following a 2% tax on unhealthy foods: The Healthy Diné Nation Act of 2014. *PLOS ONE*, 16(9), e0256683. <https://doi.org/10.1371/journal.pone.0256683>
- George, C., Bancroft, C., Salt, S., Curley, C., **Curley, C.A.**, Eddie, R., Edison, T., de Heer, H., Sanderson, P.R., Yazzie, D., & Antone-Nez R. (2021). Successful implementation of the Healthy Diné Nation Act in stores on the Navajo Nation. *Preventive Medicine Reports*, 24, 101573. <https://doi.org/10.1016/j.pmedr.2021.101573>
- Trujillo Lalla, A., George, C., Bancroft, C., Edison, T., Ricks, A., Tabb, K., Sandman, S., Salt, S., Curley, C., de Heer, H. D., **Curley, C. A.**, Yazzie, D., Shin, S. S. (2022). Shopper purchasing trends at small stores on Navajo Nation since the passage of Healthy Diné Nation Act Tax: A multi-year cross-sectional survey. *Current Developments in Nutrition*, 6(5), 6005009. <https://doi.org/10.1093/cdn/nzac040>
- John, B., Etsitty, S., Greenfeld, A., Alsbury, R., Egge, M., Sandman, S., George, C., Curley, C., **Curley, C.A.**, de Heer, H. D., Begay, G., Jumbo-Rintila, S., Ashley, M.E., Yazzie, D., Antone-Nez, R., & Shin, S. (2022). Navajo Nation Stores Show Resilience During COVID-19 Pandemic. *Health Promotion Practice*, 23(1_suppl), 86S-95S. <https://doi.org/10.1177/15248399221118393>
- Sean, E. O., S., John, B., Greenfeld, A., Alsbury, R., Egge, M., Sandman, S., George, C., Curley, C., **Curley, C.A.**, de Heer, H. D., Begay, G.A., Jumbo-Rintila, S., Ashley, M.E., Yazzie, D., Antone-Nez, R. & Shin, S. (2022). Implementation of Indigenous Food Tax Policies in Stores on the Navajo Nation. *Health Promotion Practice*, 23(1_suppl), 76S-85S. <https://doi.org/10.1177/15248399221112964>
- Eddie, R., **Curley, C.**, Yazzie, D., Francisco, S., Antone-Nez, R., Begay, G. A., Sanderson, P., George, C., Shin, S. S., Jumbo-Rintila, S., Teufel-Shone, N., Baldwin, J. A., de Heer, H. D. (2022). Practicing Tribal Sovereignty through a Tribal Health Policy: Implementation of the Healthy Diné Nation Act on the Navajo Nation. *Preventing Chronic Disease*, 19, 220106. <https://doi.org/10.5888/pcd19.220106>
- Curley C**, Eddie R, Tallis K, Lane TS, Yazzie D, Sanderson PR, Lorts C, Shin S, Behrens TK, George C, Antone-Nez R, Ashley C, de Heer HD. The Navajo Nation Healthy Diné Nation Act: Community Support of a 2% Tax on Unhealthy Foods. *J Public Health Manag Pract*. 2023 Sep-Oct 01;29(5):622-632. <https://doi.org/10.1097/PHH.0000000000001753>
- Garba, I., Sterling, R., Plevel, R., Carson, W., Cordova-Marks, F. M., Cummins, J., **Curley, C.**, David-Chavez, D., Fernandez, A., Hiraldo, D., Hiratsuka, V., Hudson, M., Jäger, M. B., Jennings, L. L., Martinez, A., Yracheta, J., Garrison, N. A., & Carroll, S. R. (2023). Indigenous Peoples and research: Self-determination in research governance. *Frontiers in Research Metrics and Analytics*, 8, 1272318. <https://doi.org/10.3389/frma.2023.1272318>
- Carson, W. O., Curley, C., Goldtooth-Halwood, R., McClelland, D. J., Carroll, S. R., Yuan, N. P., Carvajal, S., & Cordova-Marks, F. M. (2024). Examining Indigenous identity as a protective factor in mental well-being research in the United States: A scoping review. *International Journal of Environmental Research and Public Health*, 21(11), 1404. <https://doi.org/10.3390/ijerph21111404>

Research Presentations

- **Curley, C.** The Navajo Nation Healthy Diné Nation Act: Community Support of a 2% Tax on Unhealthy Foods. Oral Presentation. Navajo Nation Human Research Review Board Conference. Flagstaff, AZ. **October 2023.**
- **Curley, C.,** and DeHeer, H. Physical Activity and Nutrition Behaviors among Navajo Nation residents: Data from the Navajo Nation Health Survey. Poster presentation. Northern Arizona University Health Sciences Poster Symposium, Flagstaff, AZ. **November 2020**
- **Curley, C.,** Yazzie, D., Tallis, K., DeHeer, H., Sanderson, P., Francisco, S., and Antone-Nez, R. Navajo Nation Healthy Diné Nation Act: Compliance, Distribution, Implementation, and Community Support of 2% Tax on Unhealthy Foods. Poster presentation. American Public Health Association Annual Conference, Philadelphia, PA. **November 2019**
- **Curley, C.,** Yazzie, D., Tallis, K., DeHeer, H., Sanderson, P., Francisco, S., and Antone-Nez, R. Navajo Nation Healthy Diné Nation Act: Compliance, Distribution, Implementation, and Community Support of 2% Tax on Unhealthy Foods. Oral presentation. Council of State and Territorial Epidemiologists Annual Conference, Raleigh, NC. **June 2019**
- **Curley, C.,** Sutherland, J., Nair, A., Piaggi, P., and Baier, L. Functional assessment of a predicted stop-gain variant in D-amino acid oxidase (*DAO*) that associates with energy expenditure and insulin secretion. Poster presentation. National Institutes of Health, Bethesda, MD. **August 2018**
- **Curley, C.,** Jimenez, V., and Monroy, F. The effects of binge alcohol and *B. thailandensis* epithelial invasion. Northern Arizona University, Flagstaff, AZ. **April 2018**
- **Curley, C.,** Yang, K., Im, H., Weissleder, R., and Castro, C. High-throughput plasma extracellular vesicle analysis for detection of pancreatic cancer. Oral presentation. Massachusetts General Hospital, Boston, MA. **August 2017**

Certifications

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| ▪ CITI Program | Expiration: 06/2026 |
| ○ Social and Behavioral Research Investigators | |
| ▪ CITI Program | Expiration: 06/2026 |
| ○ Native American Research | |
| ▪ Certified Health Education Specialist | Expiration: 04/2026 |
| ○ National Commission for Health Education Credentialing | |
| ▪ Grant Writing Certification | Completion: 06/2022 |
| ○ Northwest Native American Research Center for Health | |
| ▪ Indian Health Policy Certification | Completion: 06/2022 |
| ○ Northwest Native American Research Center for Health | |

Honors and Rewards

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| ▪ Writing Research Indigenous Team Expanding Scholarship | Fall 2023-Spring 2024 |
| ▪ Pima Indian Health Care Award | Fall 2022-Spring 2024 |
| ▪ Native Nations Institute Doctoral Scholar | Fall 2022-Fall 2024 |
| ▪ Tribal Nations Scholarship | Fall 2022-Spring 2024 |
| ▪ Marion R. and Hazel I. Olson Memorial Scholarship | Fall 2022-Spring 2023 |
| ▪ Bill and Donita Sherman Scholarship | Fall 2022-Spring 2023 |
| ▪ Robert and Roberta Dawson Scholarship | Fall 2020 |
| ▪ Avalon Daggett Scholarship | Fall 2020 |
| ▪ Kollis and Opal King Scholarship | Fall 2020 |

- Margaret Kimpton Native American Scholarship Fall 2020
- Jim Troxell Foundation Scholarship Fall 2020
- Guinn B. Burton Medical Scholarship Fund Fall 2019-Spring 2020
- Dean's List Fall 2014-Spring 2018
- Chief Manuelito Scholarship Fall 2014-Spring 2018
- Sally Flemming Scholarship Fall 2014-Spring 2018
- Northern Arizona Lumberjack Scholarship Fall 2014-Spring 2018

Organizations

- **Arizona Public Health Association** **2022-2024 Academic Year**
 - An active member of the Arizona Public Health Association, which aims to protect and improve health in Arizona by being a voice on public health issues through advocacy and meaningful and relevant professional development and networking opportunities.
- **Collaboratory for Indigenous Data Governance** **2020-2024 Academic Year**
 - An active member of an interdisciplinary research network, the Collaboratory for Indigenous Data Governance, which seeks to develop research, policy, practice, and innovations for Indigenous Data Sovereignty.
- **MEZCOPH Graduate Ambassador** **2022-2024 Academic Year**
 - Assist with outreach and recruitment activities for the University of Arizona Mel and Enid Zuckerman College of Public Health. Activities include meeting prospective and admitted students, conducting outreach and presentations to campus organizations, staff tabling, serving on student panels, and managing and writing student blogs.