

DAYNA JEAN DEFEO
Center for Alaska Education Policy Research
Institute of Social and Economic Research
University of Alaska Anchorage
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EDUCATION

Doctor of Philosophy in Curriculum and Instruction, 2011

New Mexico State University
Las Cruces, New Mexico

Dissertation: *Spanish heritage speakers' experiences and perceptions in an introductory-level Spanish foreign language classroom*

Master of Arts in Education, 2005

New Mexico State University
Las Cruces, New Mexico

Bachelor of Arts in Spanish, 2002

Rutgers University, Douglass College
New Brunswick, New Jersey

PROFESSIONAL APPOINTMENTS

University of Alaska Anchorage

Institute of Social and Economic Research

2017-present	Director, Center for Alaska Education Policy Research
2023-present	Research Associate Professor of Education Policy
2019-2023	Research Assistant Professor of Education Policy
2014-2019	Senior Researcher

Community & Technical College

2012-2014	College & Career Readiness Coordinator
2010-2012	Coordinator of Learning Resources Center & Tutoring Programs

New Mexico State University at Carlsbad

2008-2010	Coordinator of Institutional Research
2006-2008	Special Needs Services Coordinator and Academic Advisor

CARC, INC. Child Development Center

2002-2006	Family Service Coordinator and Developmental Specialist III
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TEACHING

Graduate courses

- Advanced Qualitative Research Methods, *Salisbury State University*
- Advising for Career Pathways, *University of Alaska Anchorage*
- Content Area Literacy, *New Mexico State University*
- Curriculum & Assessment in Career & Technical Education, *University of Alaska Anchorage*
- Developing the Research Proposal, *Grand Canyon University*
- Foundations of Research, *Salisbury State University*
- Fundamentals of Research in Education, *University of Alaska Anchorage*
- Research in Career & Technical Education, *University of Alaska Anchorage*
- Research Methods in Public Administration, *University of Alaska Anchorage*
- Sociopsycholinguistics, *New Mexico State University*
- Using Classroom Assessment to Teach Better, *University of Alaska Anchorage*

Undergraduate courses

- College and Life Success, *New Mexico State University at Carlsbad*
- Creating Success in College, *University of Alaska Anchorage*
- Introduction to Language, *New Mexico State University at Carlsbad*
- Introductory Spanish Level I, *University of Alaska Anchorage & New Mexico State University at Carlsbad*
- Introductory Spanish Level II, *New Mexico State University at Carlsbad*

Graduate advising

- Doctor of Education in Organizational Leadership, *Grand Canyon University*
- Master of Science in Career and Technical Education, *University of Alaska Anchorage*

RESEARCH PRODUCTS

Peer-reviewed articles

- DeFeo, D. J., Maseda, R., & Kılıç, Z. (forthcoming). Identifying and interpreting gendered violence: Visual literacy in an audience reception study of *Casi Divas*. *Journal of Adolescent & Adult Literacy*.
- DeFeo, D. J. & Davis, K. (2024). Financial literacy in summer bridging experiences. *Journal of Financial Literacy and Planning*.
- DeFeo, D. J., Dogbey-Gakpetor, J., Duffield, S., & Tran, T. C. (2024). The impact of disrupted student teaching on preservice teacher self-efficacy. *Teaching and Teacher Education* 142(2024), 104546.
- DeFeo, D. J., Gerken, S., Mason, L., & Tran, T. C. (2024). Involuntary online learners: Engaging online students who prefer f2f science classes during the global pandemic. *Journal of Science Education & Technology*, 1-17.
- DeFeo, D. J., & Mammo, B. (2023). Teaching dispositions in tutoring: Evidence in a college math lab. *Journal of Teacher Education and Educators*, 12(2), 193-214.
- Berman, M., & DeFeo, D. J. (2023). Equitable compensation to attract and retain qualified teachers in high-need Alaska public schools. *Educational Policy*.

- DeFeo, D. J., Mammo, B., & Tran, T. C. (2023). Developing preservice teacher self-efficacy through peer tutoring. *The Teacher Educator*, 58(2), 1-25.
- Tran, T. C., & DeFeo, D. J. (2021). Rural students' postsecondary transitions: A human ecological perspective. *Journal of College Student Development*, 62(4), 455-468.
- DeFeo, D. J., Tran, T. C., & Gerken, S. (2021). Mediating students' fixation with grades in an inquiry-based undergraduate biology course. *Science & Education*, 30(1), 81-102.
- DeFeo, D. J., Bibler, A., & Gerken, S. (2020). The effect of a paired lab on course completion and grades in nonmajors introductory biology. *CBE—Life Sciences Education*, 19(3), 1-12.
- DeFeo, D. J., & Tran, T. C. (2019). Recruiting, hiring, and training Alaska's rural teachers: How superintendents practice place-conscious leadership. *Journal of Research in Rural Education* 35(2), 1-17.
- DeFeo, D. J., Berman, M., & Hirshberg, D. (2018). Statute and implementation: How phantom policies affect tenure value and support. *Educational Policy*, 34(2), 350-376.
- DeFeo, D. J., Hirshberg, D., & Hill, L. (2018). It's more than just dollars: Problematizing salary as the sole mechanism for recruiting and retaining teachers in rural Alaska. *Alaska Native Studies Journal* 4(1).
- DeFeo, D. J., Bonin, D. & Ossiander-Gobeille, M. (2017). Waiting and help-seeking in math tutoring exchanges. *Journal of Developmental Education* 40(3), 14-22.
- DeFeo, D. J. (2017). Profiles of an acquisition generation: Nontraditional heritage speakers of Spanish. *International Multilingual Research Journal*, 12(1), 3-16.
- DeFeo, D. J., Kılıç, Z., & Maseda, R. (2016). From productivity to process: Flipping the writing group. *Academic Journal of Interdisciplinary Studies*, 1, 738-744.
- DeFeo, D. J. (2015). Why are you here? CTE students' enrollment motivations and career aspirations. *Career and Technical Education Research* 40(2), 82-98.
- DeFeo, D. J. (2015). Spanish is foreign: Heritage speakers' interpretations of the introductory Spanish language curriculum. *International Multilingual Research Journal*, 9(2), 108-124.
- Maseda, R., & DeFeo, D. J. (2014). Finding your "Spanish voice" through popular media: Improving students' confidence and fluency. *Journal of the Scholarship of Teaching and Learning* 14(3), 110-131.
- DeFeo, D. J. & Caparas, F. (2014). Tutoring as transformative work: A phenomenological case study of tutors' experiences. *Journal of the College Reading & Learning Association* 44(2), 141-163.
- DeFeo, D. J. (2013). Towards a model of purposeful participant inclusion: Examining deselection as a participant risk. *Qualitative Research Journal* 13(3), 253-264.

Book chapters

- Maseda, R., DeFeo, D. J., & Kılıç, Z. (2023). The individualization of violence: Audience responses to cinematic depictions of gender violence. In R. Lind (Ed.), *Race/Gender/Class/Media: Considering Diversity across Audiences, Content, and Producers* (5th ed.). Taylor & Francis.

White papers & reports

- Berman, M., & DeFeo, D. J. (2024, February). *Are Alaska teacher salaries competitive?* Anchorage, AK: Institute of Social and Economic Research.
- Bel Hadj Amor, H., Corey, S. & DeFeo, D. J. (2023, May). *Negotiated success: Contractual benefits that enhance recruitment and retention*. Report prepared for the Alaska Department of Education and Early Development's Teacher Recruitment and Retention task force.
- Valenzuela, A., Díaz Lara, G., DeFeo, D., Adelman, H., Russo, J., Davis, C., & Kramer, B. (2022, November). *Costs and benefits of teacher retention*. Research-to-Policy Collaboration. <https://research2policy.org/costs-and-benefits-of-teacher-retention/>
- Berman, M., & DeFeo, D. J. (2022, March). *How much does Alaska spend on K-12 education? (2022 update)*. (Report No. 1857). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J., & Tran, T. C. (2020). *COVID-19's spring 2020 school closures: The effect on teacher candidates* (Report No. 1811). Anchorage, AK: Institute of Social and Economic Research.
- Cueva, K., & DeFeo, D. J. (2020). *White paper reports to the municipality of Anchorage: Education*. (Report No. 1767). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J., Berman, M., Hill, A., & Hirshberg, D. (2019). *How much does Alaska spend on K-12 education?* (Report No. 1766). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J., & Tran, T. C. (2019). *Growing our own: Recruiting Alaska's youth and paraprofessionals into teaching* (Report No. 1765). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J., & Tran, T. C. (2019). *Dual enrollment in Alaska: A 10 year retrospective and outcome analysis* (Report No. 1754). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J. (2017). *Early college placement testing: Outcomes and impacts of the Early ACCUPLACER partnership* (Report No. 1635). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J., Tran, T. C., Hirshberg, D., Cope, D., & Cravez, P. (2017). *The cost of teacher turnover in Alaska* (Report No. 1634). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J. (2015). *Good collaborations: A case study of the Health Information Technology partnership* (Report No. 1598). Anchorage, AK: Institute of Social and Economic Research.
- Hirshberg, D., Berman, M., DeFeo, D. J. & Hill, L. (2015). *Salary & benefits schedule and teacher tenure study* (Report No. 1584). Anchorage, AK: Institute of Social and Economic Research.
- DeFeo, D. J. (2015). *Statewide articulation agreement inventory: 2013-2014*. Fairbanks, AK: Workforce Development Committee of the University of Alaska.
- DeFeo, D. J., Fallon, S., Hirshberg, D. & LeCompte, C. (2014). *Alaska career pathways: A baseline analysis* (Report No. 1561). Anchorage, AK: Institute of Social and Economic Research.

Selected national & international conference presentations

- McGilvary, L., Schoening, L., McNamara, M., & DeFeo, D. J. (2023, December). *Engaging young rural Alaska learners in place-based STEM learning with drone-based applications*. Paper presented at the annual meeting of the American Geophysical Union, San Francisco, CA.

- Dewsbury, D., Harrison, E., Hamerlinck, G., Smyth, D., Rissler, H., & DeFeo, D. J. (2023, October). *DEI implementation framework for college classrooms*. Workshop presented at the National Association of Biology Teachers annual conference, Baltimore, Maryland.
- DeFeo, D. J., McElroy, H., Tallmon, D., & Cotter, P. (2023, June). *Culturally relevant career planning: Rethinking career planning processes through a lens of cultural wealth*. Paper presented at the Sealaska Heritage Institute's Culturally Responsive Education Conference, Juneau, AK.
- DeFeo, D. J., Watson, B. J., Gerken, S. & Tran, T. C. (2023, April). *Spillover effects: A comparison of course and institutional outcomes for traditional and intensive introductory biology*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- DeFeo, D. J. & Gerken, S. (2022, June). *Research rescue: Designing flexible and resilient projects for uncertain times*. Workshop presented at the 2022 IUSE Summit; Washington, DC.
- DeFeo, D. J., Mammo, B., & Tran, T. C. (2022, April). *Developing preservice teacher self-efficacy through peer tutoring*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- DeFeo, D. J., Dogbey-Gakpetor, J., Duffield, S., & Tran, T. C. (2022, April). *The impact of disrupted student teaching on preservice teacher self-efficacy*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- DeFeo, D. J., Mammo, B., & Tran, T. C. (2021, November). *Developing preservice teacher self-efficacy through peer tutoring*. Presentation delivered at the 5th annual Northeastern Conference on Research in Undergraduate Mathematics Education, Virtual Conference.
- Tran, T. C., & DeFeo, D. J. (2021, April). *Rural students' postsecondary transitions: A human ecological perspective*. Roundtable session delivered at the annual meeting of the American Educational Research Association, Virtual Conference.
- DeFeo, D. J., Davis, K., Peck, M., & Rickman, E. (2021, April). *Building knowledge, theory, and practice: Lessons from the Central Yu'Pik College and Career Readiness project*. Office of Indian Education annual project directors meeting, Washington, DC (and virtual due to pandemic).
- DeFeo, D. J., Tran, T. C., & Gerken, S. (2020, April). *Mediating students' fixation with grades in an inquiry-based undergraduate biology course*. Paper accepted at the annual meeting of the American Educational Research Association, San Francisco, CA. (Conference cancelled)
- Anderson, S., DeFeo, D., Duffield, S., & Ferro, K. (2019, February). *Using NExT data to inform policy, practice, and cross-institutional collaboration*. Paper presented at the 71st annual meeting of the American Association of Colleges for Teacher Education, Louisville, KY.
- Hirshberg, D., Kasemodel, C., Cope, D., & DeFeo, D. (2016, September). *Why they leave, why they stay, and what these choices cost: Exploring decisions by teachers in rural Alaska*. Paper presented at the 19th annual meeting of the Council of UArctic, St. Petersburg, Russia.
- Sperling, R., DeFeo, D. J. & Rodriguez, B. (2015, May). *A Lat Crit perspective on the future of HSI research*. Paper presented at the 28th Annual National Conference on Race & Ethnicity in Higher Education, Washington, DC.
- Maseda, R. & DeFeo, D. J. (2014, June). *Finding your 'Spanish voice' through popular media: Improving students' confidence and fluency*. Paper presented at the 12th International Conference on New Directions in the Humanities; Madrid, Spain.

- DeFeo, D. J. (2012, June). *Finding the “T” in TEAM: Assessing student learning in academic support programs*. Paper presented at the National Institute on Assessment of Adult Learning; Atlantic City, NJ.
- DeFeo, D.J. (2011, April). *Educational theory for tutors: Incorporating constructivist principles into tutoring sessions*. Paper presented at the 19th Annual National Tutoring Association Conference; Anchorage, AK.
- DeFeo, D.J. (2010, October). *The role of the critical educator in the introductory level foreign language classroom: Exploring sites of possibility*. Presentation given at the Linguistic Association of the Southwest Annual Conference; Las Cruces, NM.
- Weinstein, N., Waters, E., & DeFeo, D. (2002, April). *Different labels: Not all smokers consider themselves to be smokers*. Paper presented at the annual meeting of the Society of Behavioral Medicine; Washington, DC.

Selected poster presentations

- Gerken, S., & DeFeo, D. J. (2023, October). *ORACLE: Operationalizing research around college lab experiences*. Workshop presented at the National Association of Biology Teachers annual conference, Baltimore, Maryland.
- Gerken, S., & DeFeo, D. J. (2022, June). *Transforming Introductory Biology at the University of Alaska Anchorage*. Poster presented at the 2022 IUSE Summit; Washington, DC.
- Mammo, B., & DeFeo, D. J. (2019, July). *Developing teacher self-efficacy and dispositions through tutoring (DTSEDT²)*. Poster presented at the 2019 Noyce Summit; Washington, DC.
- Kılıç, Z., Passini, J., & DeFeo, D. J. (2019, June). *Make food, make home: Food as a mediator in relocations and life transitions*. Poster presented at the International Association for the Study of Food Conference; Anchorage, AK.
- Sperling, R., DeFeo, D. J., Nichols, N., Rodríguez, A., & Thompson, K. (2009, August). *The dominant racial story about Latinos and education: What it is, how you can measure it, and why you should care*. Poster presented at the Jean Piaget Society Annual Meeting; Park City, UT.
- DeFeo, D., Sperling, R., & Bernin, C. M. (2009, February). *Structure blaming and perceived obstacles among Latino community college students*. Poster presented at the 26th annual Columbia Teachers College Winter Roundtable on Cultural Psychology and Education; New York, NY.
- Weinstein, N.D., Slovic, P., DeFeo, D., Waters, E., & Gibson, V. (2001, November). *Gaps in knowledge of smoking risks and support for tobacco control policies*. Poster presented at the annual meeting of the Robert Wood Johnson Foundation Substance Abuse Policy Research Program; St. Augustine, FL.
- Weinstein, N., Waters, E., & DeFeo, D. (2002, February). *Different labels: Not all smokers consider themselves to be smokers*. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco; Savannah, GA.

RESEARCH FUNDING

- DeFeo, D. J. & Rhinehart, A. (January, 2023 – August, 2023). *Evaluation of the Alaska Tech Learners Program*. Subcontract to evaluate a National Science Foundation Advanced Technological Education program grant. Total award: \$45,9301. DeFeo role: External evaluator.

- DeFeo, D. J., & Bel Hadj Amor, H. (December, 2022 – June, 2023). *Audit of Contractual Benefits that Enhance Recruitment and Retention*. Alaska Department of Education & Early Development. Total award: \$50,000. DeFeo role: Principal Investigator, \$50,000.
- DeFeo, D. J., Bosin, A., & Nickols, A. (January, 2023 – December, 2024). *Alaska's transportation workforce detours: Maximizing training opportunities and outcomes in DOT&PF's key industries*. Alaska Department of Transportation office of Diversity & Equity Research Funding Division. Total award: \$200,000. DeFeo role: Principal Investigator.
- Watson, B. J., & DeFeo, D. J. (August, 2022 – July, 2024). *Career aspirations, workforce development, and economic shocks: Evidence from Alaska's commercial fisheries*. University of Alaska R&D award. Total award: \$250,000. DeFeo role: co-Principal Investigator.
- DeFeo, D. J. (October 2021 – September, 2024). *Implementation Science Research for the Alaska EXCEL Program*. Alaska EXCEL: \$74,266. DeFeo role: Principal Investigator.
- DeFeo, D. J., Berman, M., Gerken, S., & Cost, D. (July, 2021 – June, 2025). *Collaborative Research: Sufficient Compensation for Retention and Equity (SCORE)*, #2050440 and 2050559. National Science Foundation, Robert Noyce Teacher Scholarship Program. Total award: \$799,816. DeFeo role: Principal Investigator, \$577,989.
- Gerken, S., & DeFeo, D. J. (July, 2021 – June, 2024). *Identifying the Learning Objectives of Biology Laboratories in the General Education Curriculum and Exploring Gaps Between Objectives and Practice*, #2044101. National Science Foundation, Improving Undergraduate STEM Education (IUSE). Total award: \$299,916. DeFeo role: co-Principal Investigator, \$154,614.
- Howard, V., & Hutchings, D. (March, 2021 – January, 2023). *Alaska Open Educational Resources Initiative*. United States Department of Agriculture National Institute of Food & Agriculture. Total award: \$474,908. DeFeo role: External evaluator, \$48,602.
- Tallmon, D., & DeFeo, D. J. (January, 2021 – December, 2026). *Collaborative Research: Increasing the Academic and Career Success of Alaska Native and Rural Students in Science and Math*. National Science Foundation, Scholarships in Science, Technology, Engineering, and Mathematics Program (S-STEM) #2030174 and 2030114. Total award: \$650,000. DeFeo role: Principal Investigator at the University of Alaska Anchorage, \$118,999.
- University of Alaska Southeast Sitka Campus. (October 2020 – September 2025). *Strengthening Unique Potential for Progress through Opportunities, Relationships, and Transitions (SUPPORT)*. US Department of Education, Title III program. Total award: \$2,246,877. DeFeo role: sub-awardee for external evaluation, \$190,945.
- Rivkin, I. (August 2020 – July 2021). *Intergenerational Dialogue Exchange (IDEA)*. National Institutes of Health American Indian/Alaska Native Clinical Translational Research Program (AI/AN CTRP). Total award: \$100,000. DeFeo role: co-Investigator, \$9,313.
- McGilvary, L., DeFeo, D. J., Cahill, C., & Stern, C. (October, 2019 – September 2022). *Collaborative research: Drone Research and Opportunities for Native Elementary Students (DRONES)*. National Science Foundation, Innovative Technology Experiences for Students and Teachers (ITEST) #1850561 and 1850556. Total award: \$1,199,870. DeFeo role: Principal Investigator at the University of Alaska Anchorage, \$160,791.
- Mammo, B. *Developing Teacher Self-Efficacy and Dispositions Through Tutoring (DTSEDT²)*. National Science Foundation, Robert Noyce Teacher Scholarship Program supplemental funding award. DeFeo role: Principal Investigator at the University of Alaska Anchorage, \$41,459.

Maseda, R., & DeFeo, D. J. (May, 2019 – December, 2019). *Transformation and Innovation in Media Representation of Gender-Based Violence*. University of Alaska INNOVATE grant, \$10,000.

Gerken, S., DeFeo, D. J., & Wilga, C. (October, 2018 – September, 2021). *Transforming Introductory Biology at the University of Alaska Anchorage (TIBUAA)*, #1823935. National Science Foundation, Improving Undergraduate STEM Education (IUSE). Total award: \$332,619 (includes a supplemental funding award of \$32,619). DeFeo role: co-Principal Investigator, \$241,474.

Wilson, C., & Kuspuk School District. (October 2017 – September 2021). *Central Yu'pik College and Career Readiness Project*. US Department of Education Native Youth Community Engagement Project. DeFeo role: sub-awardee for external evaluation, \$221,231.

DeFeo, D. J. (June 2016 – August, 2016). *Middle Grades Career Exploration Literature Review*. Anchorage School District. Total award: \$2,500.

University of Alaska Southeast Sitka Campus. (October 2015 – September 2020). *Complete to Compete*. US Department of Education, Title III program. DeFeo role: sub-awardee for external evaluation, \$273,943.

DeFeo, D. J. (August 2015). *Data Analysis Workshop*. AmeriCorps Alaska. Total award: \$2,389.

DeFeo, D. J. *Case Study of the Health Information Technology Program*. US Department of Education Office of Vocational and Adult Education. Subaward funded June 2015; \$21,080.

Hill, A., & DeFeo, D. J. *TAACCCT Retail Management Certificate Program Evaluation*. US Department of Labor. Subaward funded May 2015; \$29,922.

SERVICE

Professional service

- Alaska Educator Pipeline Data Group member (2018-2022)
- Alaska Equity Plan working group member (2020-2021)
- Editorial Review Board member
 - *Aji* magazine (2017-2020)
 - *Journal of Adolescent and Adult Literacy* (2022-present)
- Invited manuscript peer reviewer
 - *American Educational Research Association* annual meeting (2020)
 - *Education Sciences* (2022)
 - *International Multilingual Research Journal* (2017)
 - *Journal of Adolescent and Adult Literacy* (2021, 2022)
 - *Journal of Career and Technical Education Research* (2017)
 - *Journal of College Reading and Learning* (2023)
 - *Journal of Language, Identity, & Education* (2022)
 - *Journal of Research in Rural Education* (2020, 2021)
 - *Journal of Teacher Education* (2022)
 - *Review of Education Research* (2021)
 - *Science & Education* (2020, 2021, 2022)
 - *Journal of Teacher Education and Educators* (2023)
 - *The High School Journal* (2019)

- Grant review panels
 - National Science Foundation (2021, 2023)
 - United States Department of Education *Alaska Native Education* program (2019)
- Expert contributor, *Research-to-Policy Collaboration* (2021-present)

Advisory board membership & participation

- *Calculus Support Identification Early Via Evidence* (CSIEVE), National Science Foundation NSF IUSE:EHR Tier 1 grant, 2021-2025

Professional memberships

- American Educational Research Association
- American Evaluation Association

Legislative testimony

- *Teacher compensation in Alaska: Bonuses, benefits, and pay.* (6 March, 2024). Invited testimony to the Alaska Senate Education Committee.
- *Education 101 for Alaska legislators and staff: Alaska's per-pupil education spending and the cost of teacher turnover.* (9 January, 2024). Invited contributor to the Alaska Council for School Administrators' session for new legislators.
- *ISER's work in teacher turnover, supply, & demand.* (8 March, 2023). Invited testimony to the Alaska Senate Education Committee.
- *How much does Alaska spend on K-12 education?* (27 January, 2023). Invited testimony to the Alaska Senate Education Committee.
- *Education 101 for Alaska legislators and staff.* (9 January, 2023). Invited contributor to the Alaska Council for School Administrators' session for new legislators.
- *Alaska per-pupil K-12 spending analysis.* (8 April, 2022). Invited testimony to the Alaska House Education Committee.
- *Alaska's cost of teacher turnover.* (2022, March 18). Invited testimony to the Alaska Senate Education Committee.
- *Alaska's per-pupil spending – 2019 updates.* (2022, March 9). Invited testimony to the Alaska House Finance Committee.
- *Alaska's per-pupil spending.* (2022, February 9). Invited testimony to the Alaska House Education Committee.
- *Teacher retention and recruitment in Alaska.* (2020, March 16). Invited testimony to the Alaska House Education Committee.
- *What drives the cost of education in Alaska?* (2019, April 15). Invited testimony to the Alaska House Education Committee.
- *Alaska's cost of teacher turnover.* (2018, February 7). Invited testimony to the Alaska House Education Committee.

Presentations at education & practitioner workshops

- *65 by 2025 Alaska CAN!* (2020, 2019, 2018)
- *Alaska Association for Career and Technical Education* (2022, 2019, 2017, 2016, 2015)
- *Alaska Association of School Boards* (2024)
- *Alaska Association of School Business Officers* (2017, 2015)
- *Alaska College & Career Advising Consortium* (2022, 2020)
- *Alaska Commission on Postsecondary Education* (2020, 2019)
- *Alaska Science Teacher's Association* (2019)

- *Alaska Teacher Recruitment and Retention convening* (2024)
- *Alaska Superintendent's Association* (2017)
- *Educators Rising* (2024)
- *Office of Indian Education Project Director's Meeting* (2023, 2021)

Policy forums and events

- *Alaska Municipal League annual meeting* (2023)
- *Helen & Edward Gorsuch public policy forum on education funding in Alaska* (2023)

Keynote addresses

- Northwest Biology Instructors Organization annual meeting. (2024, May). *Having fun while doing good work: Interdisciplinary partnerships in biology education research*. Bellingham, WA.
- American Association for the Advancement of Science S-STEM meeting (2022, September). *Wicked problems: Our collaborative impacts*. Washington, DC.
- Bristol Bay Campus annual summit. (2019, August). *Supporting rural students in their postsecondary transitions*. Dillingham, AK.

Media coverage of research

Berman, A. (2024, March 24). Factoring in cost of living, Alaska teacher salaries not competitive compared to national average, UAA study finds. *Anchorage Daily News*.

O'Hara, A. (2023, December 11). Alaska's adjusted school spending trails national average, UAA researchers say. *Peninsula Clarion*.

Gray, A. (2023, October 29). *Dayna DeFeo: Director of the Center for Alaska Education Policy Research* (No. 3.22). [Audio podcast episode]. In East Anchorage Book Club with Andrew Gray.
<https://www.buzzsprout.com/1875228/13868467-dayna-defeo-director-of-the-center-for-alaska-education-policy-research>

Stremple, C. (2023, July 5). Study: To hire and keep teachers in remote Alaska, school districts need to pay a lot more. *Alaska Beacon*.

Brooks, J. & Phu, L. (2022, October 21). Confronting rising bills and flat state funding, Alaska schools say they are at a fiscal cliff. *Alaska Beacon*.

Samuels, I. (2022, March 13). 'No cost is going down': Alaska schools cut positions and scrape to pay heating bills amid flat funding. *Anchorage Daily News*.

O'Hara, A. (2022, March 21). KPSD lays out its legislative goals. *Peninsula Clarion*.

Heimel, S. (2022, February 2). Coffee chat: Rural education in Alaska. Bethel, AK: KYUK.

Stemple, C. (2021, October 20). Alaska has a teacher retention problem. The state is ready to pay someone to help solve it. *Alaska Public Media*.

Hopper, D. (2020, September 7). Why is there a teacher shortage? *The Academic Minute*.

Aina, M. (2020, July 9). Class of 2020 teaching graduates feel just as prepared for fall as previous classes, research shows. *Alaska Public Media*.

Aina, M. (2020, May 7). Recruitment opportunities dry up, teachers back out as districts look to hire for fall. *Alaska Public Media*.

- Clark, T. (2019, October 15). High turnover rates for teachers in Alaska and lower 48. Anchorage, AK: KTUU.
- Peterson, V. (2019, September 10). A Perennial challenge in rural Alaska: Getting and keeping teachers. *Education Week*.
- Earl, E. (2019, April 17). Education health care costs a roadblock to budget reductions. *Alaska Journal of e-Commerce*.
- Hanlon, T. (2019, January 11). How's your school doing? Alaska has a new system for evaluating public schools. *Alaska Daily News*.
- Chandler, Q. (2017, August 7). With a few short weeks to go, Alaska schools are short 245 educators. *Alaska Public Media*.
- Edge, J. (2017, May 29). Teacher turnover costs state's school districts around \$20M per year. *Alaska Public Media*.
- Hatch, C. (2017, May 4). Teacher turnover costs Alaska \$20 million per year. Anchorage, AK: KTUU.
- Felton, E. (2017, May 2). Teacher turnover in Alaska is costing the state \$20 million annually. *Education Week*.
- Hanlon, T. (2017, April 28). Teacher turnover costs Alaska about \$20 million a year, study says. *Alaska Daily News*.

University service

Leadership: Director, Center for Alaska Education Policy Research (2017 – present)

Faculty engagement: *Full monkey won't laugh, hungry bear doesn't dance* faculty writing group (2013 – present)

Committees

- Alaska College of Education Consortium committee, *ex officio member* (2022 - present)
- Master's in Public Administration Curriculum Committee (2019)
- Metamajors Committee (2018)
- Faculty Senate Subcommittee for Academic Integrity (2012 –2014)
- Administrative, Professional & Technical Governance Council (2011 –2013)
- Chair Strategic Planning Committee, New Mexico State University at Carlsbad (2009 –2010)
- Retention Committee (2008 –2010)
- Helping Students Learn Committee (2008 –2010)
- Assessment Committee (2008 –2010)
- Facilities and Institutional Operations Committee (2006 –2008)

Task forces

- University College Task Force (2014)
- UAA Accreditation Core Theme III Evaluation Team (2012)
- Employee Satisfaction Committee Working Group (2012)
- Community & Technical College Adjunct Faculty Orientation Task Force (2011 –2012)

Student engagement: Advisor, Alpha Ro Xi Chapter of Phi Theta Kappa International Honor Society (2007–2010)

Searches

- Vic Fischer Undergraduate Research Award (2023)
- Research Professional, Institute of Social and Economic Research (2022, chair)
- Postdoctoral scholar, Center for Alaska Education Policy Research (2022, chair)
- Postdoctoral scholar, Center for Behavioral Health & Research Services (2022)
- Research Professional III, Institute of Social and Economic Research (2021)
- Executive Fiscal Officer, Institute of Social and Economic Research (2021)
- Research Professional III, Institute of Social and Economic Research (2018)
- Communications Director, Institute of Social and Economic Research (2018)
- Coordinator of the Alaska Middle College (2014)
- Assistant Professor of Developmental Mathematics (2012)
- Learning Resources Center Night Supervisor (2011)
- Assistant Professor of Composition (2011)
- Associate Provost for Academics and Community Colleges, NMSU (2009)
- Instructor of English (2008)
- Coordinator of Public Relations, Chair (2008)
- President, New Mexico State University at Carlsbad (2008)