

Kate M. Lillie

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4085 Tudor Centre Drive, Anchorage, AK 99508

EDUCATION

- 2018 PhD, Ecology, Utah State University
Dissertation: *Development and fitness consequences of on-shore behavior for the Southern Beaufort Sea polar bear population*
Advisor: Eric M. Gese, PhD
- 2012 BS, Biological Sciences, University of Alaska, Anchorage
Honors: *cum laude*

POSITIONS AND EMPLOYMENT

- 7/18-Present Researcher, Southcentral Foundation, Anchorage, AK
- 8/13-5/18 Graduate Student, Department of Wildland Resources, Utah State University
- 5/13-8/13 Biological Science Technician, Northern Arizona University, Flagstaff, AZ
- 5/12-1/13 Biological Sciences Technician, U.S. Geological Survey, Anchorage, AK
- 9/07-1/18 Accountant (various positions), Alaska Native Tribal Health Consortium, Anchorage, AK
9/07-9/08; 5/09-9/10; 1/13-5/13; 7/17-1/18

HONORS

- 2013-2017 National Science Foundation Graduate Research Fellowship, \$132,000
- 2014-2015 STEM MS to PhD Conversion Fellowship, \$25,000
- 2015 Ecology Center Research Award, \$3,500
- 2014 Ecology Center Research Award, \$2,000
- 2014 Native Student Professional Development, \$1,500

FUNDING

130996 G004062, NCARE Lillie, Shaw (PI) 05/15/19-11/30/20
Pathways to recovery among urban Alaska Native and American Indian people with long-term abstinence from alcohol \$24,000
Goal: Describe how diverse Alaska Native and American Indian adults with a history of alcohol use disorder have attained long-term (≥ 3 years) alcohol abstinence in an urban setting.
Role: Co-Principle Investigator

PCORP Lillie (PI) 05/15/19-11/30/20
Medication assisted treatment for opioid use disorder in a Tribal health system \$6,512

Goal: Use secondary quantitative data to rigorously evaluate medication assisted treatment for opioid use disorder among Alaska Native and American Indian patients in a Tribal healthcare system.

Role: Principle Investigator

1R01MH106419-01A1, NIH NIMH Comtois, Nelson (PI) 06/01/16-03/31/21
Caring Texts: A Strength-based, Suicide Prevention Trial in 4 Native Communities \$2,548,769

Goal: Culturally adapt and test in a randomized clinical trial with 1,200 participants an evidence-based suicide prevention intervention through text-messaging for use with diverse Alaska Native and American Indian people at four sites.

Role: Researcher

UAF 19-0033, Alaska INBRE Shaw (PI) 06/01/16-03/31/21
Predictive Algorithm for Reducing Risk of Suicide in an Alaska Native Health System \$75,000

Goal: The goal of this project is to validate a predictive algorithm for predicting suicide risk using routinely collected electronic health record data in an Alaska Native health system.

Role: Key Personnel

7R01AA022070-03, NIH NIAAA McDonell (PI) 09/01/13-08/31/18
Contingency Management Treatment of Alcohol Abuse among American Indian People \$3,466,412

Goal: Culturally adapt and test in a randomized, controlled trial a behavioral intervention to encourage and support abstinence among American Indian and Alaska Native people across three sites.

Role: Researcher

5R21NR016611-02, NIH NINR Shaw (PI) 09/01/16-07/31/19
Exploring Palliative Care Communication with Alaska Native and American Indian People at Two Primary Care Sites \$389,976

Goal: This project is culturally tailoring and testing a health communication intervention to increase frequency and quality of advance care planning with Alaska Native patients receiving primary care services for serious illness in a cluster randomized trial with 12 primary care providers and 60 patients in two tribal health systems.

Role: Researcher

U261IHS0079, NIH NIAAA Dillard, Burke (PI) 09/15/13-09/14/18
Southcentral Foundation Research Center for Alaska Native Health \$4,427,806

Goal: The focus of this Native American Research Centers for Health (NARCH) proposal is the role genetics may play on substance abuse treatment among substance abuse treatment in the Alaska Native and American Indian community. It is comprised of 5 independent yet closely linked grants: an Administrative Core, a Faculty Development Core, a Student

Development Core, a research project entitled “Genetics and Tobacco Cessation Treatment in an Alaska Native Community,” and a research project entitled “Perceptions of Alcohol Use and Sobriety among Alaska Native People.”

Role: Researcher

PUBLICATIONS

Lillie, K. M., Jansen, K. J., Dirks, L. G., Lyons, A. J., Alcover, K. C., Avey, J. P., ... & Shaw, J. L. *Under review*. Assessing the Predictive Validity of the Stages of Change Readiness and Treatment Eagerness Scale (SOCRATES) in Alaska Native and American Indian people. *Journal of Addiction Medicine*.

Lillie, K. M., Gese, E.M., Atwood, T.C., & Conner, M. M. (2019). Use of subsistence-harvested whale carcasses by polar bears in the southern Beaufort Sea. *ARCTIC*, 72(4), 404-412.

Lillie, K. M., Dirks, L. G., Curtis, J. R., Candrian, C., Kutner, J. S., & Shaw, J. L. (2019). Culturally Adapting an Advance Care Planning Communication Intervention With American Indian and Alaska Native People in Primary Care. *Journal of Transcultural Nursing*, 1043659619859055.

Lillie, K. M. (2018). *Development and fitness consequences of onshore behavior among polar bears in the southern Beaufort Sea subpopulation* (Doctoral dissertation). Available from <https://digitalcommons.usu.edu/etd/7252/>.

Lillie, K. M., Gese, E. M., Atwood, T. C., & Sonsthagen, S. A. (2018). Development of on-shore behavior among polar bears (*Ursus maritimus*) in the southern Beaufort Sea: inherited or learned?. *Ecology and evolution*, 8(16), 7790-7799.

Atwood, T. C., Peacock, E., McKinney, M. A., **Lillie, K.**, Wilson, R., Douglas, D. C., ... & Terletzky, P. (2016). Rapid environmental change drives increased land use by an Arctic marine predator. *PLoS One*, 11(6), e0155932.

PRESENTATIONS

Jansen, K., Smith, J., Noonan, C., **Lillie, K.**, Simon, G., & Shaw, J. L. (2019). *Predictive Algorithm to Identify Risk for Suicide in an Alaska Native Health System*. Poster presentation at the National Conference on American Indian/Alaska Native Injury and Violence Prevention, Denver, CO.

Lillie, K. M., Gese, E. M., Atwood, T. C., & Sonsthagen, S. A. (2016). *Development of on-shore behavior among polar bears (Ursus maritimus) in the southern Beaufort Sea: inherited or learned?* Oral presentation at the International Association for Bear Research & Management, Anchorage, AK.