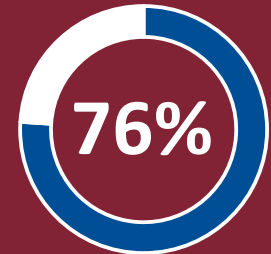


# Innovation at Work Alaska



Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector  
**\$207.7 million**

Total Employment  
Supported by the  
Biopharmaceutical Sector  
**1,035**



A majority of Americans agree that even if it brings no immediate benefits, basic scientific research that advances the frontiers of knowledge is necessary and should be supported by the federal government.

## Local Perspective: Anchorage, AK



Serafine Bourne, 40, American Heart Association advocate

*"Congenital heart defects are the leading cause of birth defect-associated infant deaths and illnesses. I support research because I believe every child born with a congenital heart defect deserves the best chance at life."*



Alaskans who died from  
heart disease in 2014

**782**

Total NIH Award Funding  
(FY16)

**\$15 million**

## Research in the Last Frontier

### *Alliance for Clinical Trials in Oncology (ACTO), Anchorage, AK*

Affecting 24-45% of cancer patients in the U.S., brain metastases are cancer cells that have spread from primary tumors in other organs to the brain. AKACTO is conducting phase II clinical trials to evaluate the effectiveness of a new treatment for this deadly condition.

### *University of Alaska, Fairbanks, AK*

National Institutes of Health (NIH)-funded researchers at the University of Alaska are working to identify possible diet-induced changes to gene expression associated with type II diabetes. Gaining a better understanding of the effects of diet on this chronic condition may pave the way for new prevention and treatment strategies.

### *Alaska Native Tribal Health Consortium, Anchorage, AK*

Researchers from the Alaska Native Tribal Health Consortium have received funding from the Agency for Healthcare Research and Quality (AHRQ) to evaluate the impact of utilizing telemedicine to treat American Indian/Alaska Natives with rheumatoid arthritis (RA). RA is the leading cause of disability in the U.S.

SOURCES: NATIONAL INSTITUTES OF HEALTH, PHARMACEUTICAL RESEARCH AND MANUFACTURES OF AMERICAN (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION, A RESEARCH AMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JUNE 2016, AGENCY FOR HEALTHCARE QUALITY AND RESEARCH, CLINICALTRIALS.GOV.