

# Innovation at Work

## Oklahoma

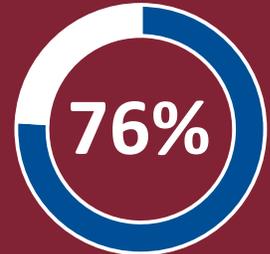


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$2.4 billion**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**10,238**



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: Norman, OK



*"I support research because I am hopeful that one day they will be able to find better treatments or even a cure for arthritis, and I would hope that members of congress would hope the same. The health of our citizens should be a number one priority in the United States."*

Caroline Brown, Arthritis  
Foundation advocate



Oklahomans 65 and Older with  
Alzheimer's Disease in 2016

**62,000**

Total NIH Award Funding  
(FY14)

**\$87 million**

## Research in Cowboy Country

### *Astellas, Oklahoma City, OK*

Astellas is conducting clinical trials to test the safety and efficacy of a potential new treatment for acute myeloid leukemia (AML), a life-threatening blood cancer diagnosed in approximately 20,000 Americans each year.

### *University of Oklahoma Health Sciences Center (OUHSC), Oklahoma City, OK*

Agency of Healthcare Research and Quality (AHRQ)-funded OUHSC researchers are using advanced health information technology (health IT) to help local primary care practices establish preventative services for more than 70,000 people across three rural counties. This reproducible model holds tremendous promise for improving patient health and reducing health care costs.

### *Oklahoma State University (OSU), Stillwater, OK*

National Institutes of Health (NIH)-funded researchers at OSU are investigating an interaction in the human immune system that appears to be capable of limiting inflammation without disrupting the body's ability to kill bacteria. The results of this study could play an important role in the development of a new treatment for life-threatening lung infections.