

# Innovation at Work

## New Jersey

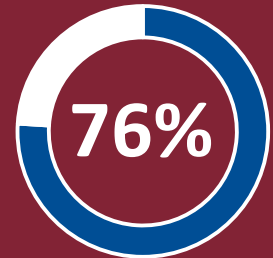


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$108.7 billion**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**378,726**



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: Cherry Hill, NJ



*"We support medical research because our daughter was diagnosed with type 1 diabetes at age eight. Technology like the artificial pancreas and continuous glucose monitor can dramatically improve the lives of all type 1 diabetics. We urge Congress to fund more research so we can turn type 1 into type none."*

*Ross and Jodi Laufgraben, parents of Morgan, age 13, living with type 1 diabetes*



New Jerseyans with  
diabetes

**904,861**

Total NIH Award Funding  
(FY14)

**\$228 million**

## Research in the Garden State

### *Princeton University, Princeton, NJ*

Certain bacteria, like those that cause cholera, develop masses known as "biofilms" that encase bacteria making them less responsive to antibiotics. Princeton University researchers, supported by the National Science Foundation (NSF) and the National Institutes of Health (NIH), identified the bacterial interactions that occur during biofilm formation. This breakthrough has provided insights critical to combating these difficult-to-treat infections.

### *Becton Dickinson (BD) and Juvenile Diabetes Research Foundation (JDRF), Franklin Lakes, NJ*

BD and JDRF are collaborating to develop new advancements in insulin infusion technologies for type I diabetes (T1D). The goal is to develop technologies that will deliver insulin over extended time periods, providing both clinical and lifestyle benefits to the 1.25 million Americans living with T1D.

### *Rutgers, The State University of New Jersey, New Brunswick, NJ*

A goal of the "National Partnership to Improve Dementia Care in Nursing Homes" is to reduce the inappropriate use of antipsychotic medications to treat dementia. Agency for Healthcare Research and Quality (AHRQ)-funded researchers at Rutgers are assessing the prevalence of this problem and developing steps to combat inappropriate antipsychotic medication use in elderly Americans.

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, PRINCETON UNIVERSITY, AGENCY FOR HEALTHCARE RESEARCH AND QUALITY, BECTON DICKINSON (BD).