

Innovation at Work Tennessee

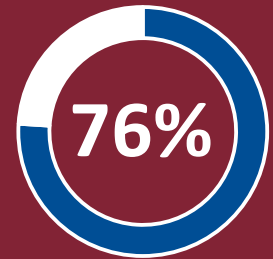


Total Direct and Indirect
Economic Output of the
Biopharmaceutical Sector

\$11.7 billion

Total Employment
Supported by the
Biopharmaceutical Sector

52,689



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: Chattanooga, TN



Lorean Mays, 33, American Heart Association advocate

"The responsibility of any member of Congress is to ensure that each of their constituents has the chance to live the best life possible. Investing in research is a part of making sure that those who may have a certain diagnosis have the opportunity to not have it serve as a death sentence. With all of the new and cutting edge research being done in various areas, those same people will have the opportunity to live."



Tennesseans who died
from heart disease in 2014

15,223

Total NIH Award Funding
(FY16)

\$512 million

Research in the Volunteer State

Vanderbilt University Medical Center, Nashville, TN

While seeking to combat hypertension, National Institutes of Health (NIH)-funded researchers at Vanderbilt identified that cytokines-- one of the immune system's primary weapons against infection -- exacerbate cardiovascular and other vascular diseases.

St. Jude Children's Research Hospital, Memphis, TN

Researchers at St. Jude have identified a type of cell, vaccination-induced macrophages, which help protect against the leading cause of lung infections in chemotherapy patients.

ABT Molecular Imaging, Inc., Knoxville, TN

Supported in part by an NIH Small Business Innovation and Research grant, ABT is developing a scalable and more affordable means of producing [18]FLT, a molecule used with positron emission tomography (PET) scans to identify and trace cancerous tumors. Proper imaging of tumors helps doctors diagnose cancer and track patient progress.

SOURCES: NATIONAL INSTITUTES OF HEALTH, PHARMACEUTICAL RESEARCH AND MANUFACTURES OF AMERICAN (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION, VANDERBILT UNIVERSITY MEDICAL CENTER, ST. JUDE CHILDREN'S RESEARCH HOSPITAL, ABT MOLECULAR IMAGING, INC., A RESEARCH AMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JUNE 2016.