Biomedical Research Funding-at-a-Glance Massachusetts

National Institutes of Health Funding for Massachusetts
- In FY2016, Massachusetts received 5,029 NIH-funded grants through normal appropriations process, totaling $2,572,549,176.
- This represents an increase of $148 million from FY2015 but 137 more grants.

National Science Foundation Funding for Massachusetts
- In FY2016, NSF provided 1,285 awards totaling over $448 million.

NIH Helping Communities

**What does NIH funding mean for the Massachusetts economy?**
- In FY2007, each NIH dollar invested in Massachusetts generated $2.14 in new state business activity.
- In FY2016, the NIH supported $6.011 billion in economic activity and 31,019 jobs.

*Life Science Industry Impact*
- Massachusetts has 514 medical device companies, 232 drug development firms, and 147 contract research and manufacturing enterprises.
- Employment in the biopharma industry rose to 60,459 in 2014, 2,800 professional more than in 2013.
- The industry’s economic impact generated $7.29 billion for the state.

*Scientific developments made possible through NIH Funding*
- Harvard University’s Stem Cell Institute has published a study on a treatment aimed at destroying existing blood cells using antibodies, far less harmful and more precise than chemotherapy.
- A low-cost, rapid paper-based diagnostic tool to test for Zika was developed by Harvard University. It screens bodily fluids within two to three hours using synthetic gene networks.
- A Boston University team will develop synthetic macromolecules to inhibit proteins in the human genome that could be used for attenuating inflammation.

“The commonwealth of Massachusetts is a national leader in Digital health. Built on the state’s strong foundation in cutting-edge hospitals and innovative tech companies, the active and vibrant digital health cluster is on a path to extensive growth.”

Industry experts say that Massachusetts could be the next Silicon Valley.

As of October 2016, there were 14,629 clinical trials in MA.