

Boston Continues to Lead The Nation in NIH Award Funding

In FY2007, the City of Boston:

received \$1.6 billion in NIH grants;

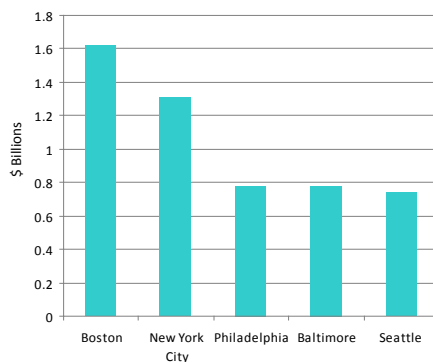
led all cities in NIH funding for the 14th consecutive year.

For the 14th straight year, Boston has led all U.S. cities in NIH grant awards, receiving more than \$1.6 billion in research grants during fiscal year 2007.

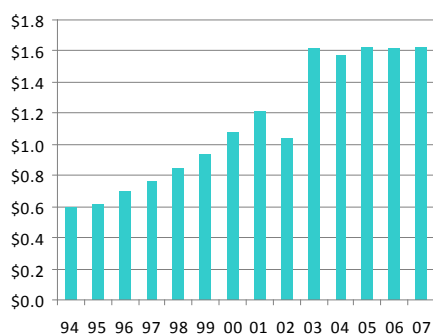
Boston's total was almost identical to the amount the city received in 2006 which is a significant accomplishment in comparison to other cities that experienced reductions in their funding. For example, Seattle, fifth-place among the top five cities, had its funding cut by 4%. Nationally, Boston's share of total funding increased to 7.7% in both 2006 and 2007, up from the 7.0% share it received in 2005. The 7.7% share accomplished for each of the last two years has been the highest percentage of total NIH funding for Boston since 2001. This is all the more noteworthy since Boston's population is just one fifth of one percent of the nation's population.

Since 2001, Boston has maintained and increased its level of NIH funding at a time when levels are decreasing and competition is increasing. This is a testament to the quality of Boston's world-renowned hospitals, universities, and research institutions. As health care, education and research play an increasing role in today's knowledge-based economy, these institutions provide a crucial underpinning to the economy of Boston and the entire region.

Fiscal Year 2006 NIH Awards, Top 5 Cities



Boston NIH Funding Fiscal Years 1994-2007 (in billions)



Comparison With Other Cities

In attracting \$1.6 billion in NIH funding in 2007, Boston finished ahead of New York City, Philadelphia, Baltimore and Seattle.

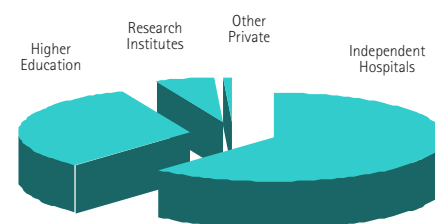
Boston's lead over second-place New York has grown from \$14 million in 2002 to more than \$315 million in 2007.

Boston has been able to maintain its leadership in NIH funds despite the fact that other cities have become increasingly competitive in trying to attract such funding. For example, Baltimore has been able to increase its funding from \$618 million to \$781 million, a 26% increase since 2001. During the same time Boston's percentage increase in NIH funding was even greater, at 33%.

Boston NIH Funding by Type of Institution

Independent hospitals accounted for about \$1 billion of Boston's NIH dollars in 2007, 62% of the city's total. Institutions of *higher education* received more than \$515 million, 32% of the total. Boston's *research institutes* received more than \$91 million (almost 6%), and *other private* companies, non-profit organizations, health maintenance organizations and health centers received more than \$12 million (1%).

Boston Fiscal Year 2007 NIH Awards by Type of Recipient



Hospitals

Boston's hospitals attracted more than 60% of the 2007 NIH funding. Massachusetts General Hospital topped the list in NIH funding in FY2007 again, receiving more than \$303 million in grants, 4% more than in 2006. Brigham and Women's Hospital (more than \$259 million) was second, followed by Dana Farber Cancer Institute (more than \$132 million), Beth Israel-Deaconess Medical Center (more than \$113 million), and Children's Hospital (more than \$100 million).

The Brigham and Women's Hospital, Dana-Farber Cancer Institute, Beth Israel Deaconess Medical Center and Children's Hospital are located in the

Fiscal Year 2007 NIH Awards to Boston Hospitals

Massachusetts General Hospital	\$303,267,017
Brigham and Women's Hospital	\$259,702,673
Dana-Farber Cancer Institute	\$132,810,698
Beth Israel Deaconess Medical Center	\$113,451,201
Children's Hospital Boston	\$100,659,143
New England Medical Center Hospitals	\$ 33,043,527
Boston Medical Center	\$ 34,667,726
Massachusetts Eye and Ear Infirmary	\$ 13,627,034
Hebrew Rehabilitation Center for Aged	\$ 7,514,487
Caritas St. Elizabeth's Medical Center	\$ 1,510,300

city's Longwood Medical Area (LMA). The LMA is home to a large number of other health care, research and educational institutions. Collectively, the LMA institutions in the Longwood Medical Area received more than \$943 million in NIH grants in FY2007. If the Longwood Medical Area were a city unto itself, it would rank 3rd among recipients of NIH funding, ahead of Philadelphia, Baltimore and Seattle.

Colleges and Universities

Boston's colleges and universities attracted almost one-third of the 2007 NIH funding. Harvard University Medical School led all of those institutions, attracting more than \$172 million in NIH funding, 4% more than the previous year. Boston University Medical School (more than \$119 million) was second, followed by Harvard University

School of Public Health (more than \$110 million), Tufts University (almost \$55 million) and Boston University (almost \$40 million).

While NIH funding is predominately directed toward research activities, funds also go to support fellowships and related medical, educational, and research training programs that are an important component of Boston's knowledge-based institutions.

Research Institutions

More than \$91 million was awarded to Boston's research institutes in 2007. These include the Center for Blood Research Institute, today known as the Immune Disease Institute (almost \$31 million), Joslin Diabetes Center (more than \$22 million), Frontier Science & Technology Foundation (more than \$15 million), and Schepens Eye Research Institute (more than \$13 million).

Longwood Medical Area Institutions with NIH Awards in FY2007

Beth Israel Deaconess Medical Center	\$113,451,201
Brigham and Women's Hospital	\$259,702,673
Immune Disease Institute Inc.	\$ 30,969,236
Children's Hospital Boston	\$100,659,143
Dana-Farber Cancer Institute	\$132,810,698
Harvard University (Medical School)	\$172,136,524
Harvard University (Sch of Public Health)	\$110,350,806
Joslin Diabetes Center	\$ 22,350,783
Judge Baker Children's Center	\$ 680,476
Longwood Medical Area Total	\$943,111,540

Boston's Smaller Institutions and Organizations

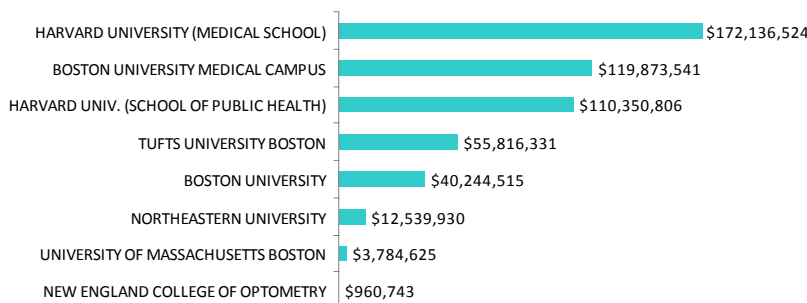
The amount of NIH funding received by Boston's smaller private companies, non-profit institutions, and HMO's and health centers (almost \$13 million in FY2007) is much lower than the amounts received by the city's major hospital, educational and research institutions in the city. Nonetheless, these smaller organizations have big impact. Their work supports and complements that of the larger institutions, and generates new ideas and applications. They also contribute to the Boston economy and well-being by creating jobs and providing services.

Topics of Research Funding

Topics that attracted NIH funding in Boston in 2007 range from anatomy and biology to social and veterinary clinical sciences. They include technology-intensive areas such as mechanical and industrial engineering, pharmaceutical-based areas such as pharmacology and experimental therapeutics, and biotech areas such as biological chemistry and genetics.

The National Institutes of Health (NIH) is the primary agency in the U.S. responsible for biomedical and health-related research. The Institutes are responsible for about \$28 billion of the total biomedical research spent annually. More than 83% of NIH's funding is awarded through competitive grants to more than 325,000 researchers at over 3,000 universities, medical schools, and other research institutions in every state and around the world.

Fiscal Year 2007 NIH Awards to Boston's Colleges & Universities



Produced by
BRA Research Division
Alvaro Lima, Director of Research
Gregory Perkins

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www.lifetechboston.com
Martina Toponarski, Life Tech Manager
617.918.4457