




OECD Roundtable on Higher Education in Cities & Regions

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NEW ENGLAND
BOARD OF
HIGHER EDUCATION

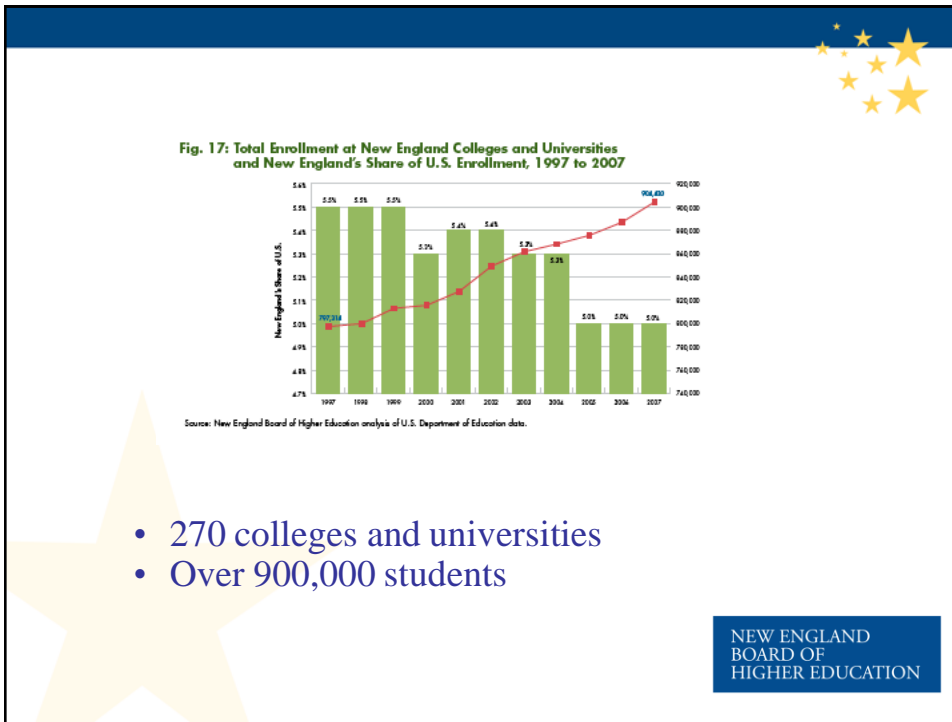


New England, USA



- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island
- Vermont
- 160,000 square kilometers
- 14.3 million residents
- ~ 5th largest U.S. “state”

NEW ENGLAND
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HIGHER EDUCATION



- 270 colleges and universities
- Over 900,000 students

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Shanghai Jiao Tong Ranking of World Universities

World Rank	Institution	Regional Rank
1	Harvard University	1
5	Massachusetts Institute of Technology (MIT)	4
11	Yale University	9
81	Boston University	50
85	Brown University	51
102-150	Dartmouth College	59-75
102-150	Tufts University	59-75
102-150	University of Massachusetts - Amherst	59-75
151-200	University of Connecticut - Storrs	76-98
201-300	Brandeis University	99-137
201-300	University of Massachusetts Medical School	99-137
201-300	University of Vermont	99-137
301-400	University of New Hampshire - Durham	138-164
301-400	University of Rhode Island	138-164
401-500	Boston College	165-196
401-500	Northeastern University	165-196
401-500	University of Connecticut Health Center	165-196
401-500	University of Maine - Orono	165-196

18 colleges and universities in the Shanghai Jiao Tong rankings

- 3 among the top 11 institutions
- 5 among the top 100 institutions

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Economic Impact

Estimated Economic Impact of Higher Education in New England, by State, 2006

	Economic Impact	Direct Expenditures by Institutions	Full-time Employees	Part-time Employees	Foreign Students	Foreign Student Economic Impact
Connecticut	\$ 23,898,163,309	\$ 3,180,838,353	30,687	12,713	7,184	\$ 203,174,153
Maine	\$ 2,559,180,457	\$ 932,412,203	8,867	4,299	1,475	\$ 34,738,368
Massachusetts	\$ 63,401,995,243	\$ 10,914,111,926	68,021	21,710	28,009	\$ 868,983,710
New Hampshire	\$ 4,666,527,797	\$ 1,168,832,536	10,069	5,803	2,031	\$ 61,102,084
Rhode Island	\$ 3,052,221,444	\$ 2,046,176,606	11,628	4,105	3,477	\$ 111,338,866
Vermont	\$ 2,072,508,598	\$ 762,466,591	7,742	3,041	960	\$ 31,624,969
New England	\$ 99,650,596,848	\$ 19,004,838,215	137,014	51,671	43,136	\$ 1,310,962,150

Source: New England Association of Schools and Colleges, 2008 (Data represents regionally accredited institutions.)

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Innovation

In 2007 New England's research universities and health centers produced:

- 591 new technology licenses or options (4,038 active)
- 64 new start-up companies
- 1,100 new patent applications
- 425 new patents

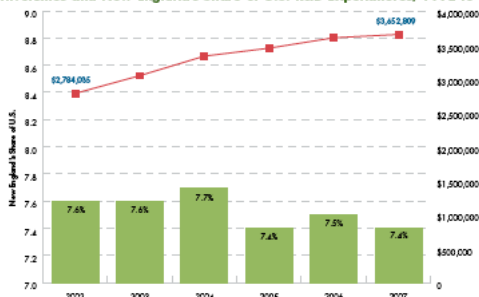
“Knowledge Economy Index” State Rankings for U.S.

- Massachusetts - 1st
- Connecticut - 7th
- New Hampshire - 15th

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Research & Development

Fig. 60: Research and Development Expenditures at New England's Colleges and Universities and New England's Share of U.S. R&D Expenditures, 1992 to 2007



Source: New England Board of Higher Education analysis of National Science Foundation data; www.neh.gov.

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Fig. 61: Regional Comparison of Research and Development Expenditures at Colleges and Universities, 2002 and 2007

	2002	2007	5-Year % Change	Per-Capita Expenditures		Per-Capita U.S. Rank	
				2002	2007	2002	2007
East North Central	\$5,248,420,000	\$7,052,612,000	34%	\$114.7	\$152.8	7th	6th
East South Central	1,618,264,000	2,330,569,000	44	94.0	130.0	9th	9th
Middle Atlantic	5,369,813,000	7,267,578,000	35	134.2	179.4	3rd	3rd
Mountain	2,212,687,000	3,040,291,000	37	116.2	142.3	6th	7th
New England	2,784,095,000	3,452,809,000	31	197.1	256.2	1st	1st
Pacific	6,360,309,000	8,722,527,000	37	137.2	179.8	2nd	2nd
South Atlantic	6,880,847,000	9,523,659,000	38	128.5	164.9	4th	4th
West North Central	2,407,010,000	3,156,965,000	31	123.7	157.7	5th	5th
West South Central	3,434,897,000	4,552,010,000	33	106.1	131.4	8th	8th
Outlying Areas	88,838,000	131,753,000	NA	NA	NA	NA	NA
United States	\$36,406,220,000	\$49,430,767,000	36%	\$126.5	\$164.1		

Source: New England Board of Higher Education analysis of National Science Foundation data; www.neh.gov.

R&D Expenditures

- On a per-capita basis, \$256 of R&D expenditures per New Englander
- Far outpaces other regions in the United States (2nd rank is \$179 per person).

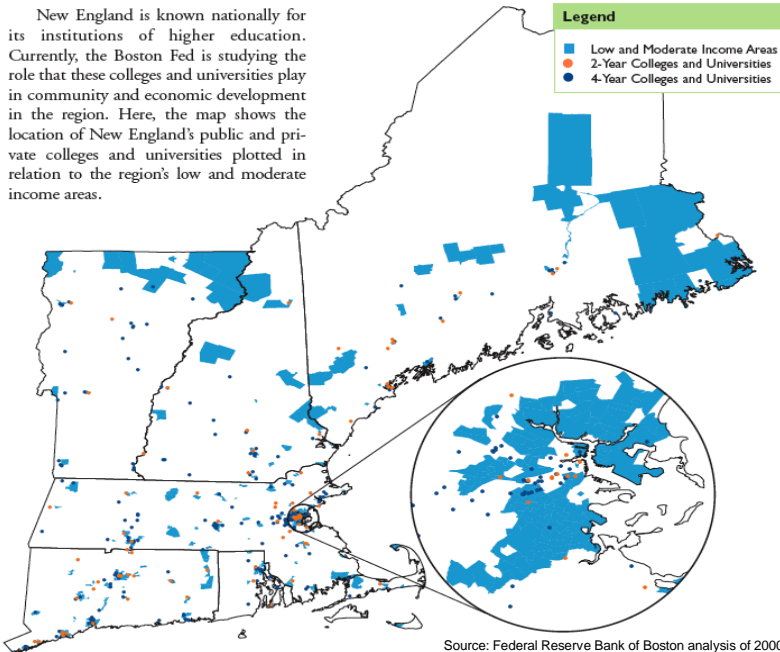
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Fig. 64: Research and Development Expenditures at New England Colleges and Universities by U.S. Rank and Source of Funds, 2007

Rank	Institution	All R&D Expenditures	Federal Government	State and Local Government	Industry	Institutional Funds	All Other Sources
15th	Massachusetts Institute of Technology	\$614,352,000	\$476,318,000	\$68,000	\$81,570,000	\$10,213,000	\$46,862,000
30th	Harvard University	451,276,000	392,103,000	1,732,000	11,358,000	0	46,083,000
31st	Yale University	448,671,000	349,027,000	2,391,000	14,616,000	19,249,000	63,388,000
69th	Boston University	249,270,000	232,115,000	475,000	5,850,000	0	10,830,000
77th	University of Connecticut [if composed]	234,679,000	123,513,000	9,740,000	8,233,000	67,443,000	13,750,000
86th	Dartmouth College	192,846,000	128,164,000	4,247,000	6,033,000	43,057,000	11,345,000
101st	University of Massachusetts Worcester	157,449,000	131,226,000	0	16,266,000	1,385,000	8,892,000
102nd	Brown University	152,619,000	95,023,000	391,000	3,108,000	49,938,000	4,159,000
106th	University of Massachusetts Amherst	141,351,000	71,974,000	5,638,000	5,195,000	48,755,000	9,789,000
109th	Woods Hole Oceanographic Institution	137,410,000	112,754,000	217,000	1,786,000	13,094,000	8,659,000
114th	Tufts University	130,826,000	91,379,000	890,000	10,027,000	9,908,000	18,622,000
122nd	University of New Hampshire	114,228,000	81,027,000	4,469,000	6,105,000	16,362,000	6,265,000
123rd	University of Vermont	113,195,000	90,046,000	381,000	6,000,000	16,102,000	663,000
132nd	University of Maine	96,135,000	41,963,000	5,260,000	2,609,000	44,127,000	2,176,000
144th	University of Rhode Island	76,237,000	52,561,000	7,703,000	3,983,000	12,590,000	0
147th	Northwestern University	71,520,000	36,028,000	2,351,000	10,828,000	22,295,000	0
161st	Brandeis University	54,831,000	41,358,000	0	0	6,248,000	9,225,000
182nd	Boston College	39,261,000	20,336,000	442,000	1,195,000	7,925,000	9,363,000
Total, Above New England Institutions		3,448,185,000	2,565,918,000	47,016,000	194,162,000	389,591,000	270,480,000
Total, All U.S. Institutions		\$49,430,787,000	\$16,440,745,000	\$3,145,376,000	\$2,872,303,000	19,855,200,000	\$3,517,023,000
Above New England Institutions as % of U.S. Total		7.0%	8.4%	1.5%	7.3%	4.0%	7.7%

Source: New England Board of Higher Education analysis of National Science Foundation data; www.neb.gov.

New England is known nationally for its institutions of higher education. Currently, the Boston Fed is studying the role that these colleges and universities play in community and economic development in the region. Here, the map shows the location of New England's public and private colleges and universities plotted in relation to the region's low and moderate income areas.



Source: Federal Reserve Bank of Boston analysis of 2000 U.S. Census data

Collaboration & Visitors Welcome



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