UMass Research & Expenditures Report

FY 2020

Office of the President, Institutional Research

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Key Highlights



UMass Total R&D Expenditures FY 2020 **40.5%**

1-Year Change in UMass Total R&D Expenditures (vs. FY 2019)



5-Year Change in UMass Total R&D Expenditures (vs. FY 2015)



State Ranking among MA universities in R&D Expenditures FY 2019



UMass STEM R&D Expenditures FY 2020 **40.7%**

1-Year Change in UMass STEM R&D Expenditures (vs. FY 2019)



Percent of all R&D Expenditures from Life Sciences FY 2020

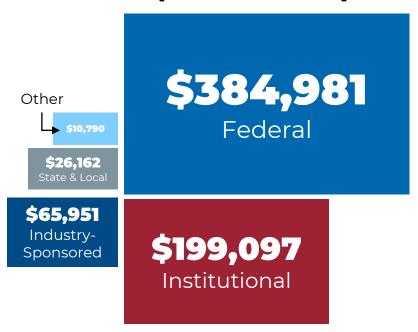


Percent of Total MA R&D Expenditures from Harvard, MIT, & UMass FY 2019

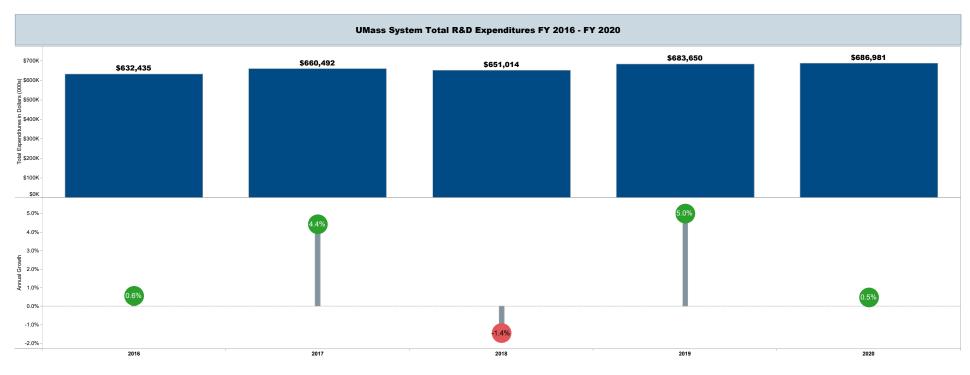
^{*} R&D expenditures data for state FY 2020 is currently not available.

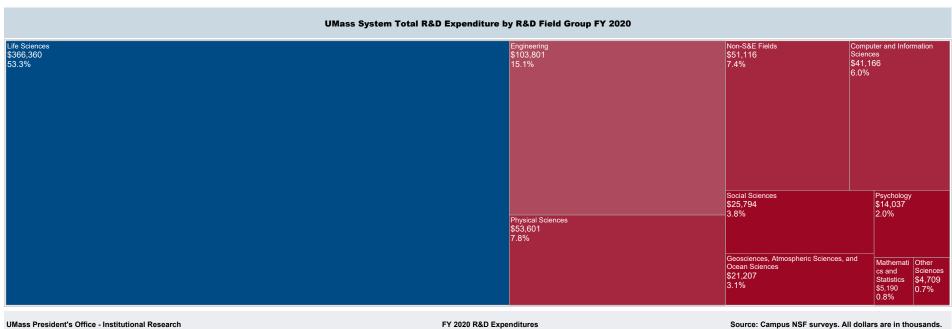
Key Highlights

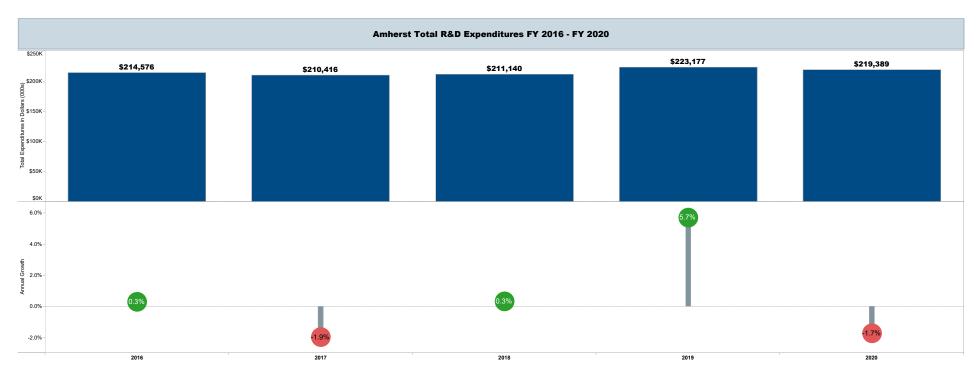
UMASS SOURCE OF FUNDING FY2020 (IN THOUSANDS)

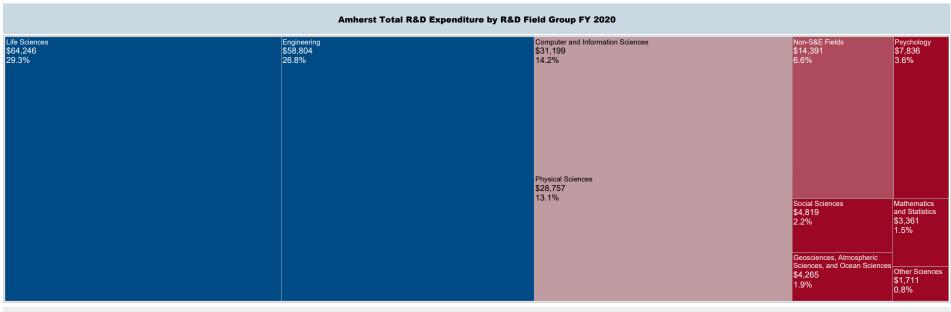


Source	1-Year % Change (vs. FY 2019)	5-Year % Change (vs. FY 2015)
Federal	^1%	▲8%
State & Local	▼1%	▼37 %
Industry Sponsored	^1%	^27 %
Institutional	^1%	^15%
Other	▼14%	487 %



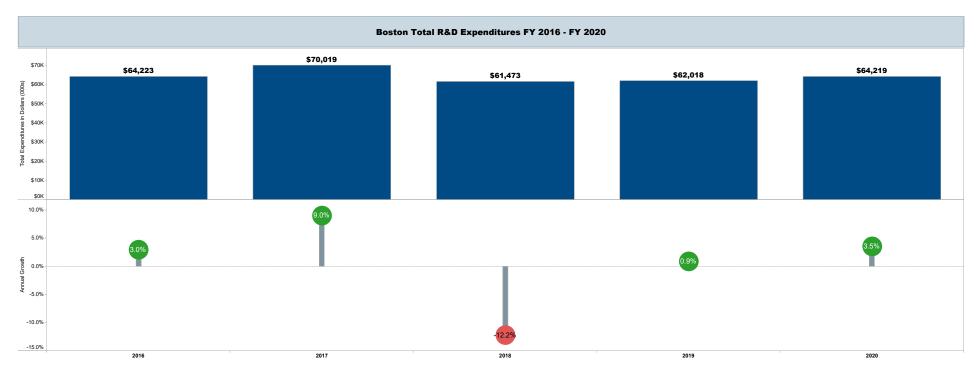


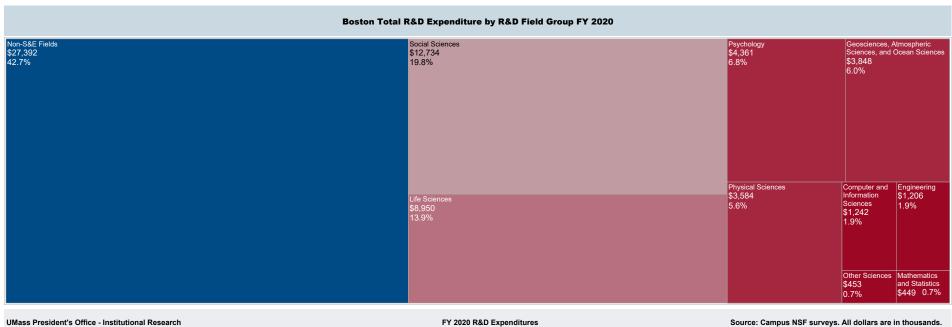


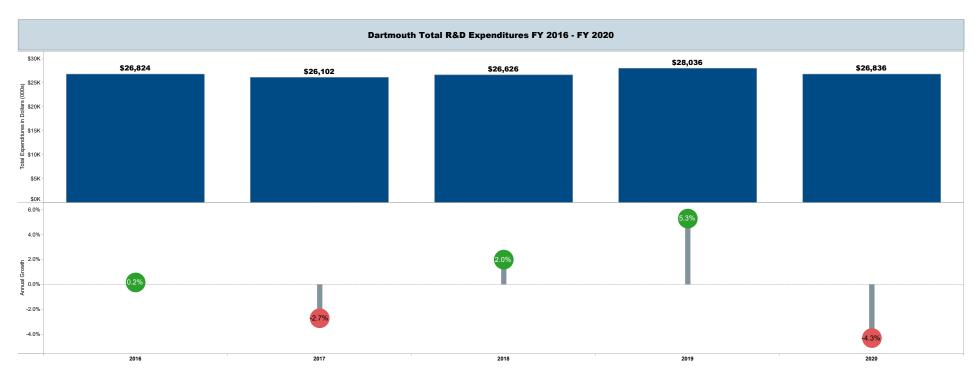


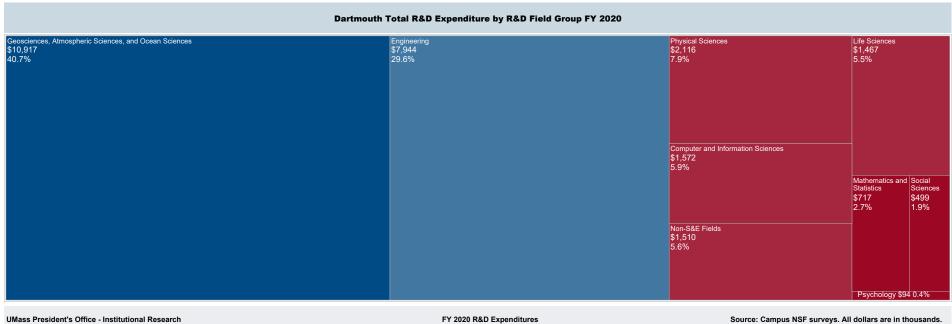
FY 2020 R&D Expenditures

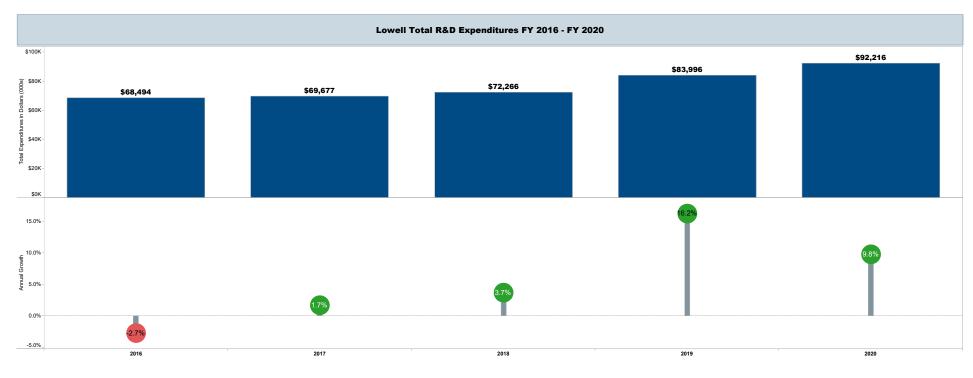
UMass President's Office - Institutional Research

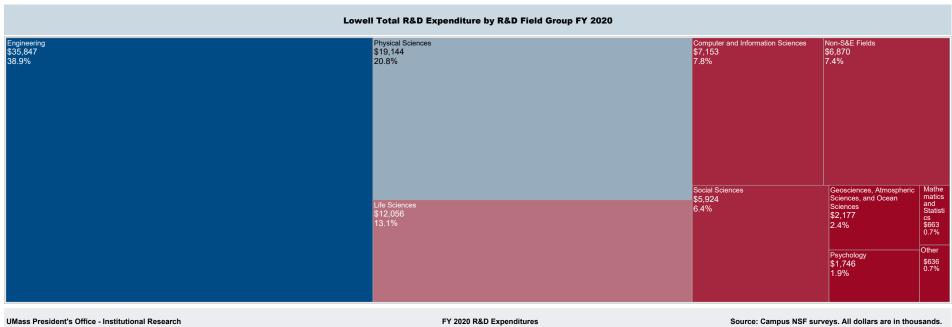


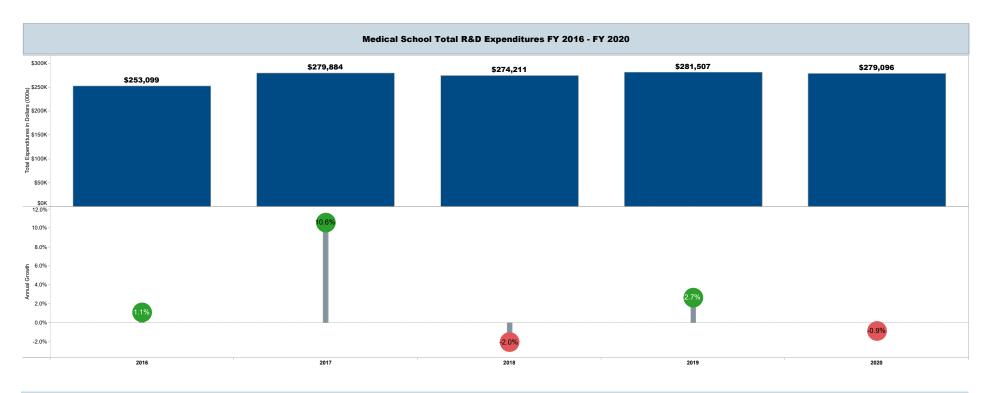


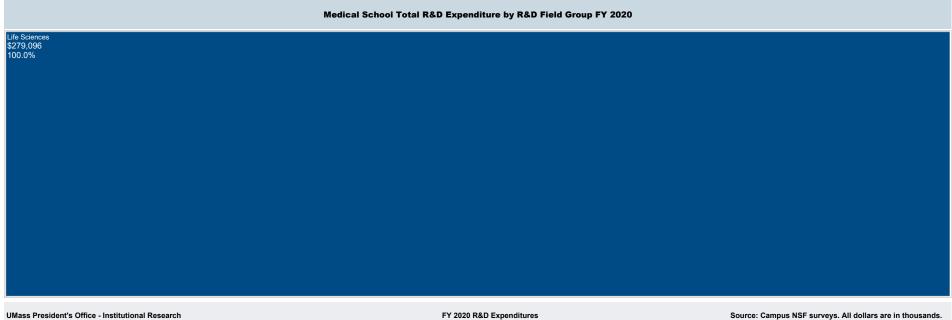


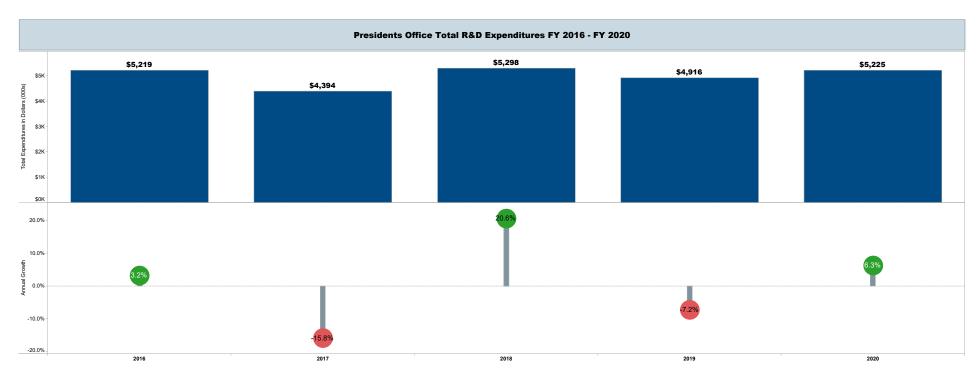


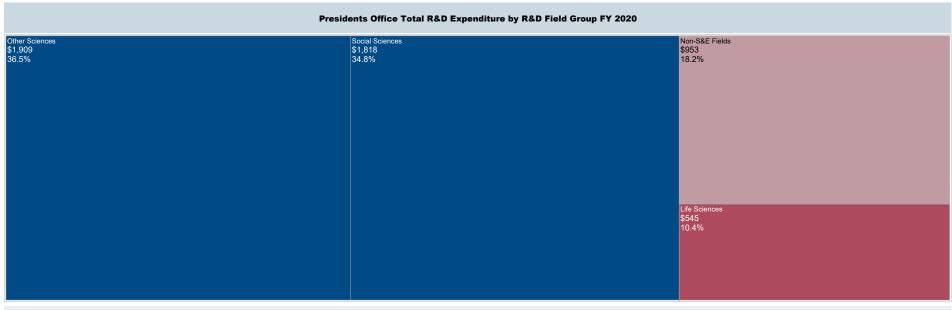












FY 2020 R&D Expenditures

UMass President's Office - Institutional Research

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total	Tield Gloup	Tield	\$384,981	\$302,000	\$686,981
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$2,626	\$2,777	\$5,403
		Chemical Engineering	\$16,546	\$18,388	\$34,934
		Civil Engineering	\$8,022	\$10,911	\$18,933
		Electrical, Electronic, and Communications Engineering	\$8,963	\$12,871	\$21,834
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$7,982	\$10,314	\$18,296
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$2,083	\$2,318	\$4,401
	Physical Sciences	Astronomy and Astrophysics	\$3,241	\$1,597	\$4,838
		Chemistry	\$13,014	\$10,424	\$23,438
		Materials Science	\$0	\$16	\$16
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$15,722	\$9,587	\$25,309
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$861	\$1,712	\$2,573
	, . ,	Geological and Earth Sciences	\$4,188	\$1,151	\$5,339
		Ocean Sciences and Marine Sciences	\$3,311	\$9,968	\$13,279
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$16	\$16
	Mathematics and Statistics	Mathematics and Statistics	\$2,346	\$2,844	\$5,190
	Computer and Information Sciences	Computer and Information Sciences	\$21,828	\$19,338	\$41,166
	Life Sciences	Agricultural	\$10,229	\$6,265	\$16,494
		Biological and Biomedical Sciences	\$118,944	\$55,588	\$174,532
		Health Sciences	\$71,653	\$42,089	\$113,742
		Natural Resources and Conservation	\$3,796	\$5,406	\$9,202
		Other Life Sciences	\$34,233	\$18,157	\$52,390
	Psychology	Psychology	\$8,548	\$5,489	\$14,037
	Social Sciences	Anthropology	\$522	\$910	\$1,432
		Economics	\$375	\$1,774	\$2,149
		Other Social Sciences	\$1,905	\$5,428	\$7,333
		Political Science and Government	\$499	\$3,577	\$4,076
		Sociology, Demography, and Population Studies	\$5,240	\$5,564	\$10,804
	Other Sciences	Other Sciences	\$327	\$4,382	\$4,709
ION-SCI & ENG FIELD		Business Management and Business Administration	\$330	\$4,494	\$4,824
		Communication and Communications Technologies	\$78	\$245	\$323
		Education	\$15,068	\$17,807	\$32,875
		Humanities	\$387	\$5,071	\$5,458
		Law	\$68	\$27	\$95
		Other Non-Science and Engin.	\$1,825	\$4,100	\$5,925
		Social Work	\$0	\$718	\$718
		Visual and Performing Arts	\$221	\$677	\$898

FY 2020 R&D Expenditures

		Amherst - FY 2020 Total Expenditures by Fiel	d (Federal and Non-Federal)		
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total	•		\$116,170	\$103,219	\$219,389
CI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$459	\$652	\$1,111
		Chemical Engineering	\$11,993	\$9,959	\$21,952
		Civil Engineering	\$6,424	\$7,785	\$14,209
		Electrical, Electronic, and Communications Engineering	\$4,796	\$5,862	\$10,658
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$4,229	\$4,686	\$8,915
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$734	\$1,225	\$1,959
	Physical Sciences	Astronomy and Astrophysics	\$3,241	\$1,597	\$4,838
		Chemistry	\$10,044	\$4,948	\$14,992
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$4,976	\$3,951	\$8,927
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$1,437	\$1,437
		Geological and Earth Sciences	\$2,803	\$25	\$2,828
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$2,093	\$1,268	\$3,361
	Computer and Information Sciences	Computer and Information Sciences	\$16,804	\$14,395	\$31,199
	Life Sciences	Agricultural	\$10,229	\$6,225	\$16,454
		Biological and Biomedical Sciences	\$15,754	\$10,152	\$25,906
		Health Sciences	\$6,464	\$3,583	\$10,047
		Natural Resources and Conservation	\$3,689	\$3,808	\$7,497
		Other Life Sciences	\$27	\$4,315	\$4,342
	Psychology	Psychology	\$5,429	\$2,407	\$7,836
	Social Sciences	Anthropology	\$173	\$437	\$610
		Economics	\$375	\$754	\$1,129
		Other Social Sciences	\$287	\$793	\$1,080
		Political Science and Government	\$227	\$268	\$495
		Sociology, Demography, and Population Studies	\$969	\$536	\$1,505
	Other Sciences	Other Sciences	\$327	\$1,384	\$1,711
N-SCI & ENG FIELD:	Non-S&E Fields	Business Management and Business Administration	\$303	\$1,247	\$1,550
		Communication and Communications Technologies	\$0	\$124	\$124
		Education	\$1,333	\$2,746	\$4,079
		Humanities	\$9	\$2,498	\$2,507
		Law	\$68	\$27	\$95
		Other Non-Science and Engin.	\$1,794	\$3,583	\$5,377
		Social Work	\$0	\$542	\$542
		Visual and Performing Arts	\$117	\$0	\$117

FY 2020 R&D Expenditures

		Boston - FY 2020 Total Expenditures by Field	(Federal and Non-Federal)		
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$27,575	\$36,644	\$64,219
CI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$547	\$390	\$937
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$269	\$269
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
		Chemistry	\$1,706	\$664	\$2,370
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$533	\$681	\$1,214
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$40	\$58	\$98
		Geological and Earth Sciences	\$807	\$563	\$1,370
		Ocean Sciences and Marine Sciences	\$631	\$1,733	\$2,364
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$16	\$16
	Mathematics and Statistics	Mathematics and Statistics	\$14	\$435	\$449
	Computer and Information Sciences	Computer and Information Sciences	\$525	\$717	\$1,242
	Life Sciences	Agricultural	\$0	\$40	\$40
		Biological and Biomedical Sciences	\$2,827	\$1,783	\$4,610
		·	\$1,591	\$1,729	\$3,320
			\$107	\$873	\$980
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$2,198	\$2,163	\$4,361
	Social Sciences	Anthropology	\$349	\$473	\$822
	oddia odienoca	Economics	\$0	\$223	\$223
		Other Social Sciences	\$235	\$2,769	\$3,004
		Political Science and Government	\$272	\$2,856	\$3,128
		Sociology, Demography, and Population Studies	\$2,625	\$2,932	\$5,557
	Other Sciences	Other Sciences	\$0	\$453	\$453
N-SCI & ENG FIELDS		Business Management and Business Administration	\$0	\$990	\$990
M-301 & ENG FIELDS	HOIP-GGE FIEIUS	Communication and Communications Technologies	\$0	\$6	\$6
		Education	\$12,298	\$12,402	\$24,700
			\$12,298 \$166	\$1,013	\$24,700 \$1,179
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$114	\$114
		Social Work	\$0	\$176	\$176
		Visual and Performing Arts	\$104	\$123	\$227

FY 2020 R&D Expenditures

	r	Partmouth - FY 2020 Total Expenditures by Fig	eld (Federal and Non-Federal)		
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total	•		\$6,506	\$20,330	\$26,836
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$147	\$1,067	\$1,214
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$806	\$1,461	\$2,267
		Electrical, Electronic, and Communications Engineering	\$782	\$2,014	\$2,796
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$435	\$1,232	\$1,667
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$0	\$0
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
		Chemistry	\$200	\$1,401	\$1,601
		Materials Science	\$0	\$16	\$16
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$75	\$424	\$499
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$2	\$2
		Ocean Sciences and Marine Sciences	\$2,680	\$8,235	\$10,915
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$239	\$478	\$717
	Computer and Information Sciences	Computer and Information Sciences	\$448	\$1,124	\$1,572
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$253	\$1,137	\$1,390
		Health Sciences	\$0	\$77	\$77
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$0	\$94	\$94
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$4	\$4
		Other Social Sciences	\$1	\$371	\$372
		Political Science and Government	\$0	\$18	\$18
		Sociology, Demography, and Population Studies	\$0	\$105	\$105
	Other Sciences	Other Sciences	\$0	\$0	\$0
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$11	\$11
		Communication and Communications Technologies	\$0	\$115	\$115
		Education	\$440	\$719	\$1,159
		Humanities	\$0	\$0	\$0
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$213	\$213
		Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$0	\$12	\$12

FY 2020 R&D Expenditures

Lowell - FY 2020 Total Expenditures by Field (Federal and Non-Federal)						
ield Category	Field Group	Field	Federal	Non Federal	Grand Total	
rand Total		,	\$41,304	\$50,912	\$92,216	
I & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0	
		Bioengineering and Biomedical Engineering	\$2,020	\$1,058	\$3,078	
		Chemical Engineering	\$4,553	\$8,429	\$12,982	
		Civil Engineering	\$792	\$1,665	\$2,457	
		Electrical, Electronic, and Communications Engineering	\$2,838	\$4,605	\$7,443	
		Industrial and Manufacturing Engineering	\$0	\$0	\$0	
		Mechanical Engineering	\$3,318	\$4,396	\$7,714	
		Metallurgical and Materials Engineering	\$0	\$0	\$0	
		Other Engineering	\$1,349	\$824	\$2,173	
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0	
		Chemistry	\$1,064	\$3,411	\$4,475	
		Materials Science	\$0	\$0	\$0	
		Other Physical Sciences	\$0	\$0	\$0	
		Physics	\$10,138	\$4,531	\$14,669	
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$821	\$217	\$1,038	
		Geological and Earth Sciences	\$578	\$561	\$1,139	
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0	
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0	
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$663	\$663	
	Computer and Information Sciences	Computer and Information Sciences	\$4,051	\$3,102	\$7,153	
	Life Sciences	Agricultural	\$0	\$0	\$0	
		Biological and Biomedical Sciences	\$3,156	\$2,367	\$5,523	
		Health Sciences	\$1,417	\$3,781	\$5,198	
		Natural Resources and Conservation	\$0	\$725	\$725	
		Other Life Sciences	\$0	\$610	\$610	
	Psychology	Psychology	\$921	\$825	\$1,746	
	Social Sciences	Anthropology	\$0	\$0	\$0	
		Economics	\$0	\$237	\$237	
		Other Social Sciences	\$1,382	\$1,424	\$2,806	
		Political Science and Government	\$0	\$371	\$371	
		Sociology, Demography, and Population Studies	\$1,639	\$871	\$2,510	
	Other Sciences	Other Sciences	\$0	\$636	\$636	
N-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$27	\$2,246	\$2,273	
		Communication and Communications Technologies	\$0	\$0	\$0	
		Education	\$997	\$1,109	\$2,106	
		Humanities	\$212	\$1,560	\$1,772	
		Law	\$0	\$0	\$0	
		Other Non-Science and Engin.	\$31	\$146	\$177	
		Social Work	\$0	\$0	\$0	
		Visual and Performing Arts	\$0	\$542	\$542	

FY 2020 R&D Expenditures

Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$192,938	\$86,158	\$279,096
CI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
		Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$0	\$0	\$0
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$0	\$0
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
		Chemistry	\$0	\$0	\$0
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$0	\$0	\$0
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$0	\$0
	Computer and Information Sciences	Computer and Information Sciences	\$0	\$0	\$0
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$96,954	\$40,149	\$137,103
		Health Sciences	\$61,778	\$32,777	\$94,555
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$34,206	\$13,232	\$47,438
	Psychology	Psychology	\$0	\$0	\$0
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$0	\$0
		Other Social Sciences	\$0	\$0	\$0
		Political Science and Government	\$0	\$0	\$0
		Sociology, Demography, and Population Studies	\$0	\$0	\$0
	Other Sciences	Other Sciences	\$0	\$0	\$0
ON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0	\$0	\$0
		Communication and Communications Technologies	\$0	\$0	\$0
		Education	\$0	\$0	\$0
		Humanities	\$0	\$0	\$0
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$0	\$0
		Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$0	\$0	\$0

FY 2020 R&D Expenditures

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Field Category Grand Total	Field Group	Field	Federal \$488	Non Federal \$4,737	Grand Total \$5,225
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	\$0	\$0	\$0
or a tito ricebo	Liginocing	Bioengineering and Biomedical Engineering	\$0	\$0	\$0
		Chemical Engineering	\$0	\$0	\$0
		Civil Engineering	\$0	\$0	\$0
		Electrical, Electronic, and Communications Engineering	\$0	\$0	\$0
		Industrial and Manufacturing Engineering	\$0	\$0	\$0
		Mechanical Engineering	\$0	\$0	\$0
		Metallurgical and Materials Engineering	\$0	\$0	\$0
		Other Engineering	\$0	\$0	\$0
	Physical Sciences	Astronomy and Astrophysics	\$0	\$0	\$0
		Chemistry	\$0	\$0	\$0
		Materials Science	\$0	\$0	\$0
		Other Physical Sciences	\$0	\$0	\$0
		Physics	\$0	\$0	\$0
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	\$0	\$0	\$0
		Geological and Earth Sciences	\$0	\$0	\$0
		Ocean Sciences and Marine Sciences	\$0	\$0	\$0
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$0	\$0	\$0
	Mathematics and Statistics	Mathematics and Statistics	\$0	\$0	\$0
	Computer and Information Sciences	Computer and Information Sciences	\$0	\$0	\$0
	Life Sciences	Agricultural	\$0	\$0	\$0
		Biological and Biomedical Sciences	\$0	\$0	\$0
		Health Sciences	\$403	\$142	\$545
		Natural Resources and Conservation	\$0	\$0	\$0
		Other Life Sciences	\$0	\$0	\$0
	Psychology	Psychology	\$0	\$0	\$0
	Social Sciences	Anthropology	\$0	\$0	\$0
		Economics	\$0	\$556	\$556
		Other Social Sciences	\$0	\$71	\$71
		Political Science and Government	\$0	\$64	\$64
		Sociology, Demography, and Population Studies	\$7	\$1,120	\$1,127
	Other Sciences	Other Sciences	\$0	\$1,909	\$1,909
ON-SCI & ENG FIELDS		Business Management and Business Administration	\$0	\$0	\$0
		Communication and Communications Technologies	\$78	\$0	\$78
		Education	\$0	\$831	\$831
		Humanities	\$0	\$0	\$0
		Law	\$0	\$0	\$0
		Other Non-Science and Engin.	\$0	\$44	\$44
		Other Non-Science and Engin. Social Work	\$0	\$0	\$0
		Visual and Performing Arts	\$0	\$0	\$0

FY 2020 R&D Expenditures

FY 2016 - FY 2020 R&D Expenditures in Dollars (000s) by Source	- Details
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					Fiscal Year		
Source	Campus Name	2015	2016	2017	2018	2019	2020
Federal	Amherst	\$103,417	\$106,269	\$108,871	\$110,654	\$117,359	\$116,170
	Boston	\$28,653	\$30,608	\$29,934	\$30,412	\$25,083	\$27,575
	Dartmouth	\$7,321	\$6,548	\$7,370	\$7,156	\$7,353	\$6,506
	Lowell	\$31,059	\$27,694	\$29,471	\$30,086	\$35,309	\$41,304
	Medical School	\$183,588	\$181,446	\$200,232	\$194,953	\$197,388	\$192,938
	Presidents Office	\$1,445	\$1,124	\$721	\$643	\$488	\$488
	UMASS System	\$355,483	\$353,689	\$376,599	\$373,904	\$382,980	\$384,981
State & Local	Amherst	\$26,172	\$25,021	\$21,257	\$9,620	\$12,409	\$7,779
	Boston	\$4,394	\$5,388	\$6,990	\$2,075	\$2,369	\$3,325
	Dartmouth	\$1,327	\$1,864	\$1,976	\$1,751	\$1,603	\$1,644
	Lowell	\$3,215	\$2,300	\$2,583	\$4,523	\$6,390	\$8,471
	Medical School	\$4,615	\$1,646	\$160	\$82	\$477	\$1,410
	Presidents Office	\$2,071	\$2,870	\$2,688	\$3,309	\$3,226	\$3,533
	UMASS System	\$41,794	\$39,089	\$35,654	\$21,360	\$26,474	\$26,162
Institutional	Amherst	\$69,756	\$65,358	\$65,698	\$72,017	\$70,889	\$75,307
	Boston	\$24,456	\$22,886	\$27,949	\$23,998	\$28,163	\$25,435
	Dartmouth	\$17,478	\$17,189	\$15,104	\$16,119	\$17,421	\$16,761
	Lowell	\$28,958	\$31,572	\$31,014	\$31,612	\$36,658	\$35,980
	Medical School	\$32,641	\$35,713	\$42,064	\$44,237	\$43,238	\$45,329
	Presidents Office	\$483	\$544	\$367	\$318	\$240	\$285
	UMASS System	\$173,772	\$173,262	\$182,196	\$188,301	\$196,609	\$199,097
Other	Amherst	\$1,886	\$2,007	\$1,225	\$1,313	\$3,508	\$3,551
	Boston	\$381	\$434	\$326	\$345	\$620	\$191
	Dartmouth	\$84	\$187	\$234	\$249	\$232	\$264
	Lowell	\$950	\$831	\$314	\$1,406	\$1,084	\$1,898
	Medical School	\$2,433	\$3,022	\$2,900	\$4,092	\$7,085	\$4,811
	Presidents Office	\$22	\$25	\$4	\$7	\$61	\$75
	UMASS System	\$5,756	\$6,506	\$5,003	\$7,412	\$12,590	\$10,790
Industry-Sponsored :	Amherst	\$7,393	\$8,336	\$8,016	\$9,381	\$10,026	\$7,702
Business	Boston	\$1,499	\$1,291	\$1,279	\$1,413	\$1,675	\$2,075
	Dartmouth	\$365	\$831	\$557	\$909	\$1,140	\$1,354
	Lowell	\$4,634	\$4,775	\$4,841	\$3,588	\$3,460	\$3,263
	Medical School	\$9,452	\$11,483	\$14,324	\$12,585	\$16,386	\$15,073
	Presidents Office	\$221	\$180	\$39	\$266	\$323	\$242
	UMASS System	\$23,564	\$26,896	\$29,056	\$28,142	\$33,010	\$29,709
Industry-Sponsored :	Amherst	\$5,278	\$7,585	\$5,349	\$8,155	\$8,986	\$8,880
Nonprofit organizations	Boston	\$2,991	\$3,616	\$3,541	\$3,230	\$4,108	\$5,618
	Dartmouth	\$201	\$205	\$861	\$442	\$287	\$307
	Lowell	\$1,568	\$1,322	\$1,454	\$1,051	\$1,095	\$1,300
	Medical School	\$17,609	\$19,789	\$20,204	\$18,262	\$16,933	\$19,535
	Presidents Office	\$814	\$476	\$575	\$755	\$578	\$602
	UMASS System	\$28,461	\$32,993	\$31,984	\$31,895	\$31,987	\$36,242
Grand Total	-	\$628,830	\$632,435	\$660,492	\$651,014	\$683,650	\$686,981

FY 2020 R&D Expenditures