

UMass Research & Expenditures Report

FY 2023

Office of the President, Institutional Research



University of Massachusetts

Amherst • Boston • Dartmouth • Lowell • Medical School • UMassOnline

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Key Highlights



\$826M

UMass Total R&D
Expenditures
FY 2023

 **1.6%**

1-Year Change in
UMass Total R&D
Expenditures
(vs. FY 2022)

 **26.8%**

5-Year Change in
UMass Total R&D
Expenditures
(vs. FY 2018)



#3*

State Ranking among
MA universities in R&D
Expenditures
FY 2022



\$768M

UMass STEM R&D
Expenditures
FY 2023

 **1.9%**

1-Year Change in
UMass STEM R&D
Expenditures
(vs. FY 2022)



53%

Percent of all R&D
Expenditures from
Life Sciences
FY 2023



64%*

Percent of Total MA
R&D Expenditures
from Harvard, MIT, &
UMass FY 2022

* R&D expenditures data for state FY 2023 is currently not available.



UMass System - Total R&D Expenditures FY2023

826M

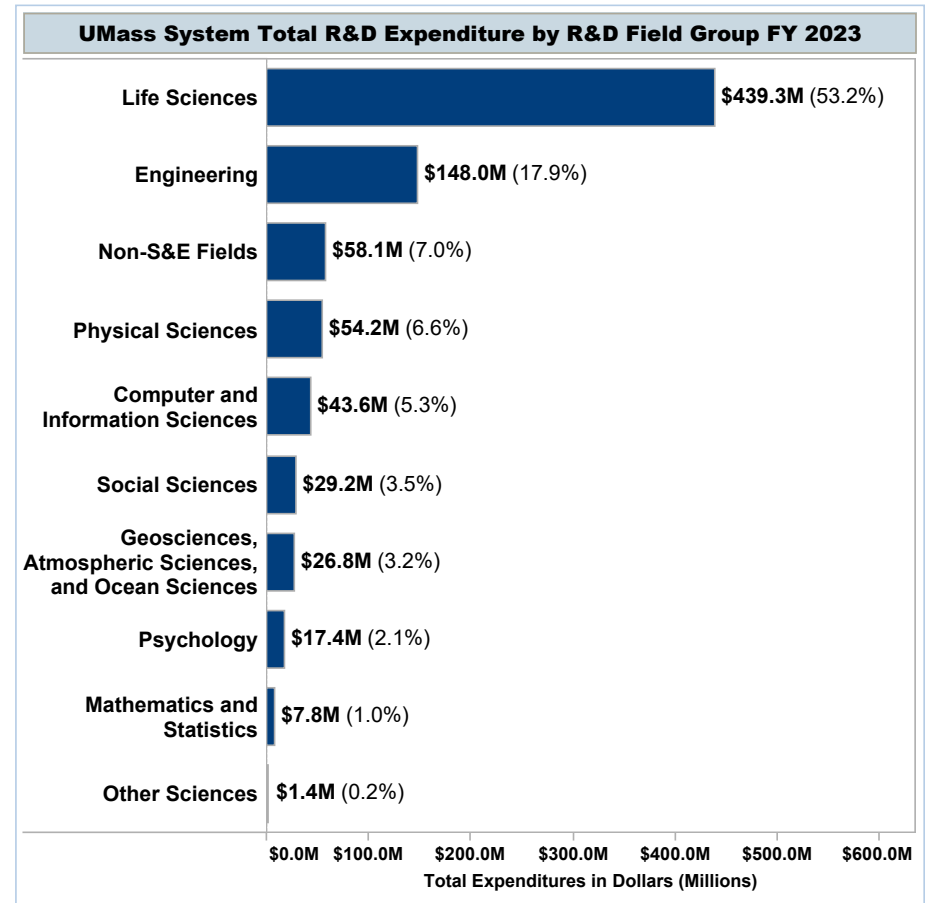
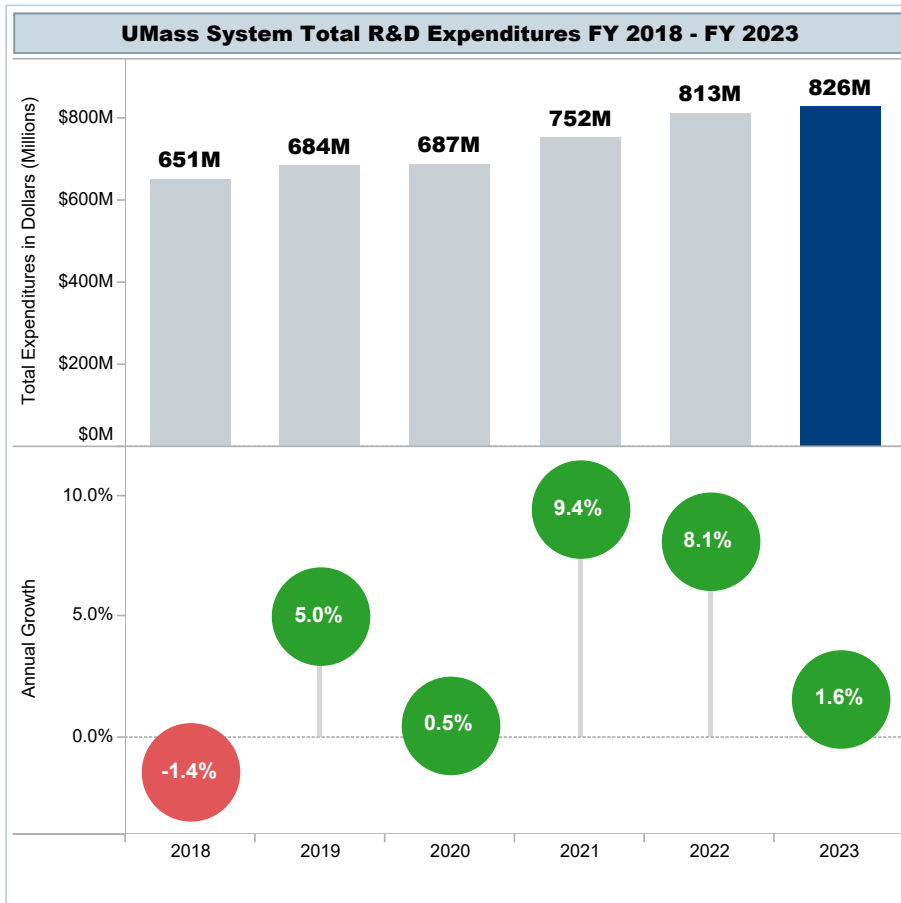
UMass System
Total R&D (In Millions)
FY2023

▲ 1.6%

1-Year
Percentage Change
(vs. 2022)

▲ 26.8%

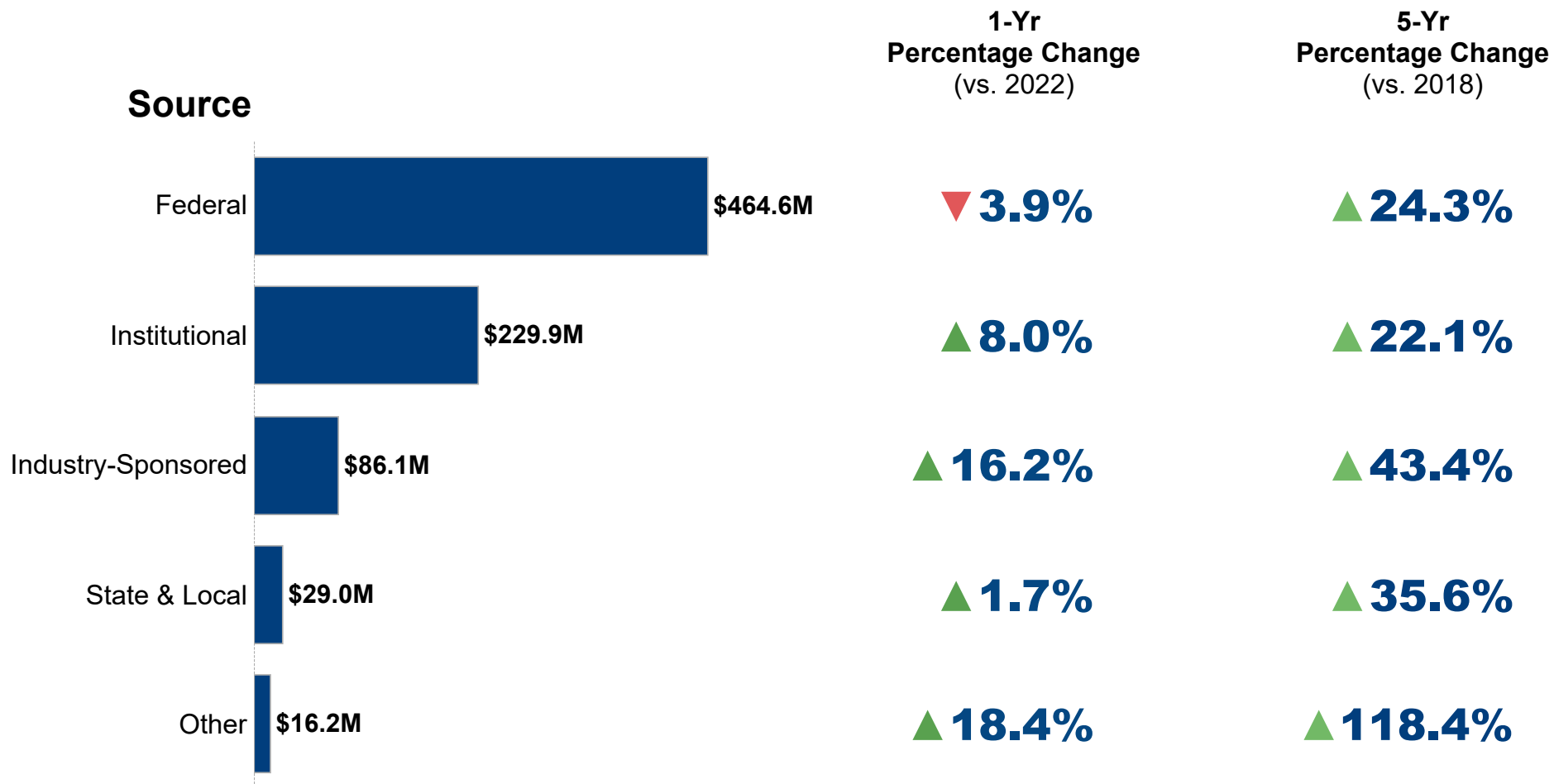
5-Year
Percentage Change
(vs. 2018)





UMass System - Key Highlights

Source Of Funding **FY2023** (In Millions)





Amherst - Total R&D Expenditures FY2023

269M

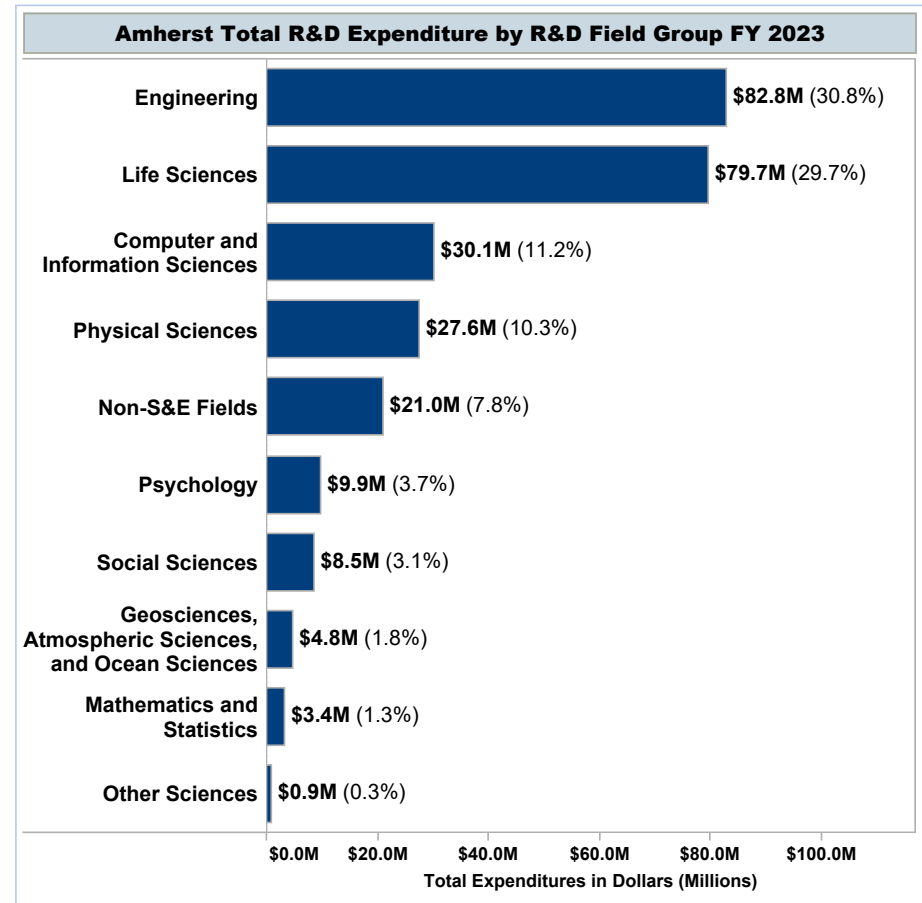
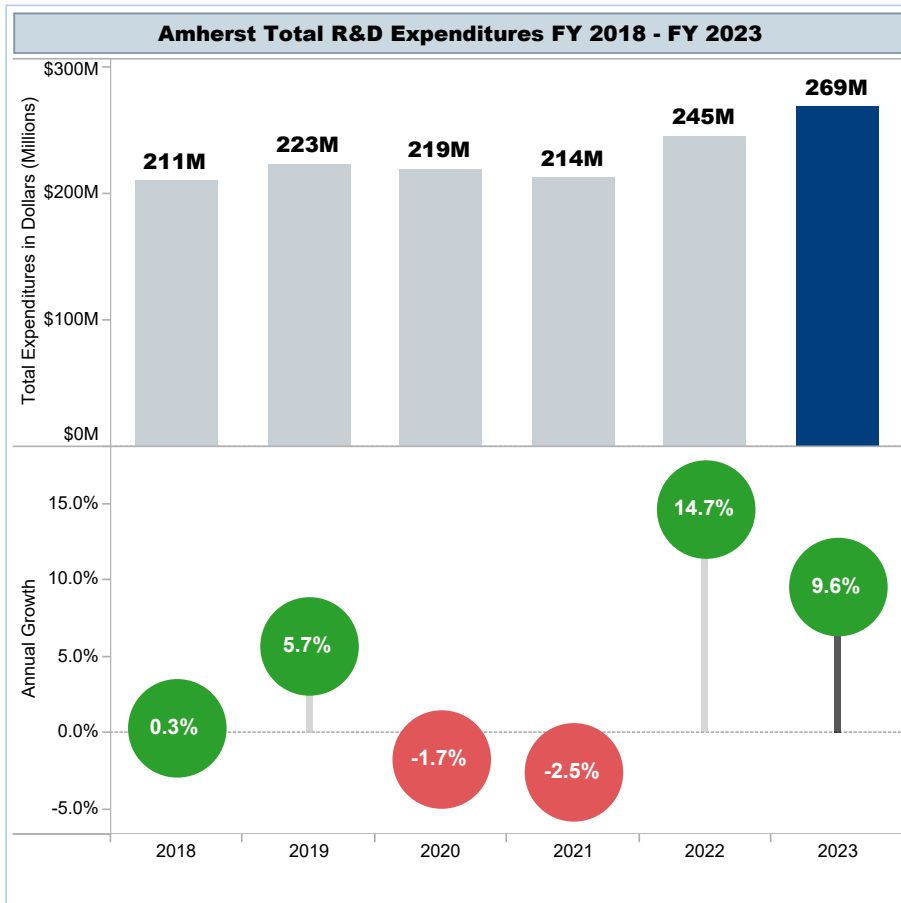
Amherst
Total R&D (In Millions)
FY2023

▲ 9.6%

1-Year
Percentage Change
(vs. 2022)

▲ 27.2%

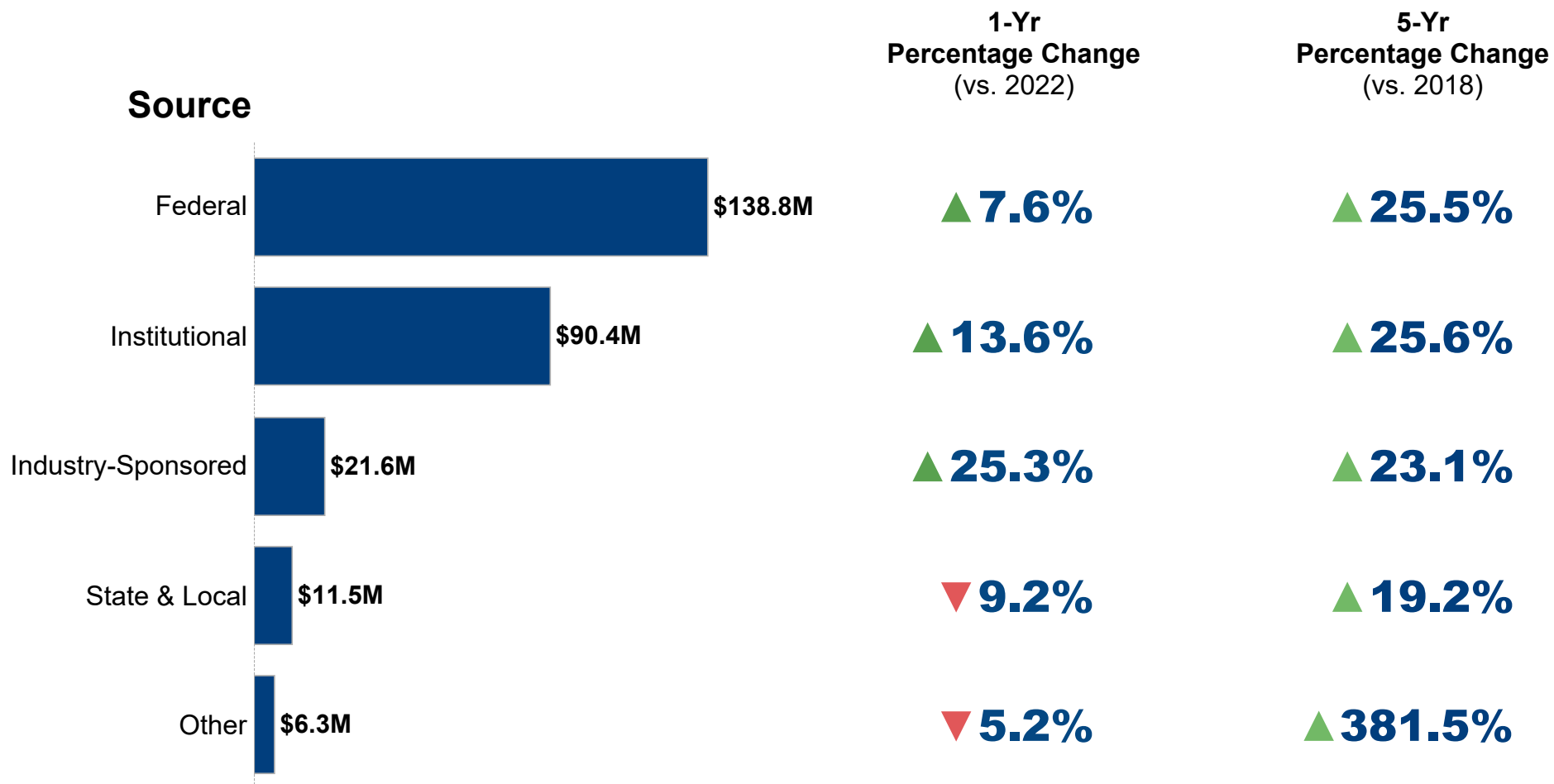
5-Year
Percentage Change
(vs. 2018)





Amherst - Key Highlights

Source Of Funding **FY2023** (In Millions)





Boston - Total R&D Expenditures FY2023

71M

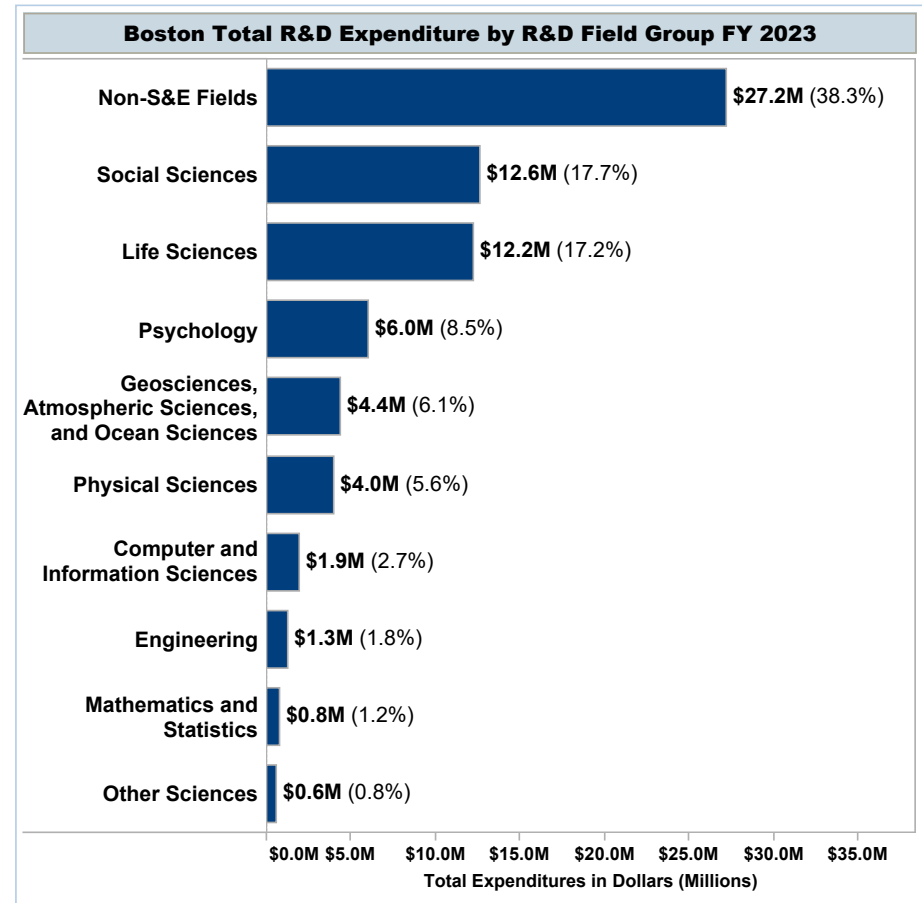
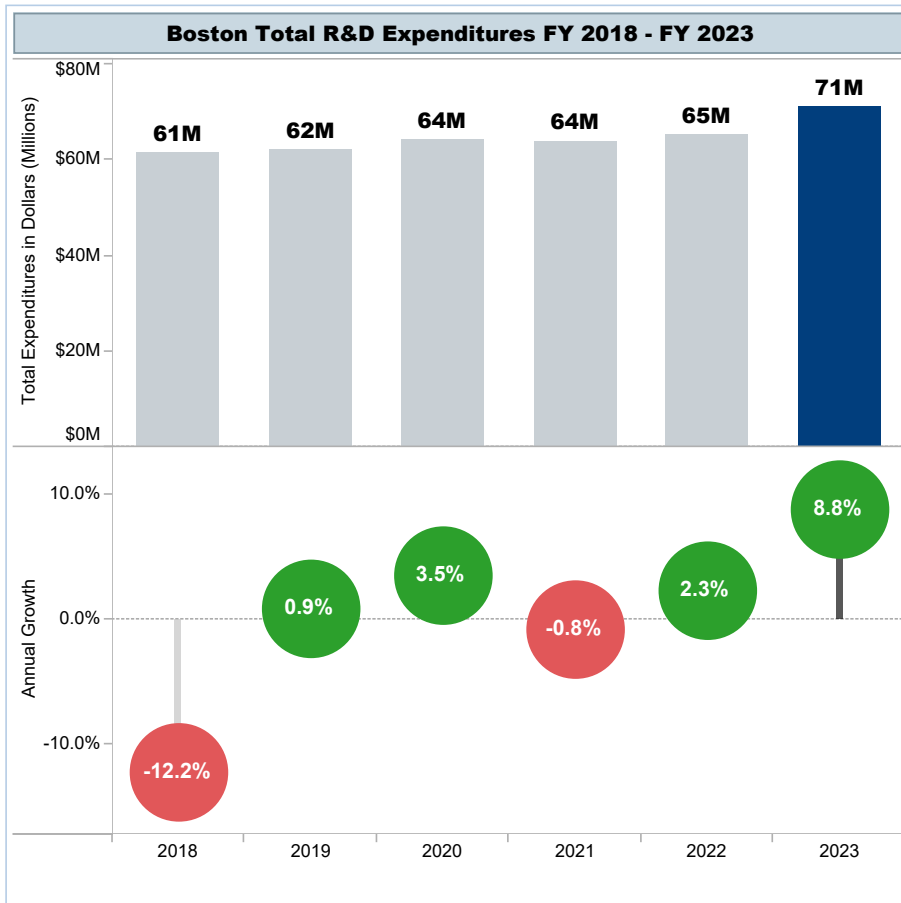
Boston
Total R&D (In Millions)
FY2023

▲ 8.8%

1-Year
Percentage Change
(vs. 2022)

▲ 15.5%

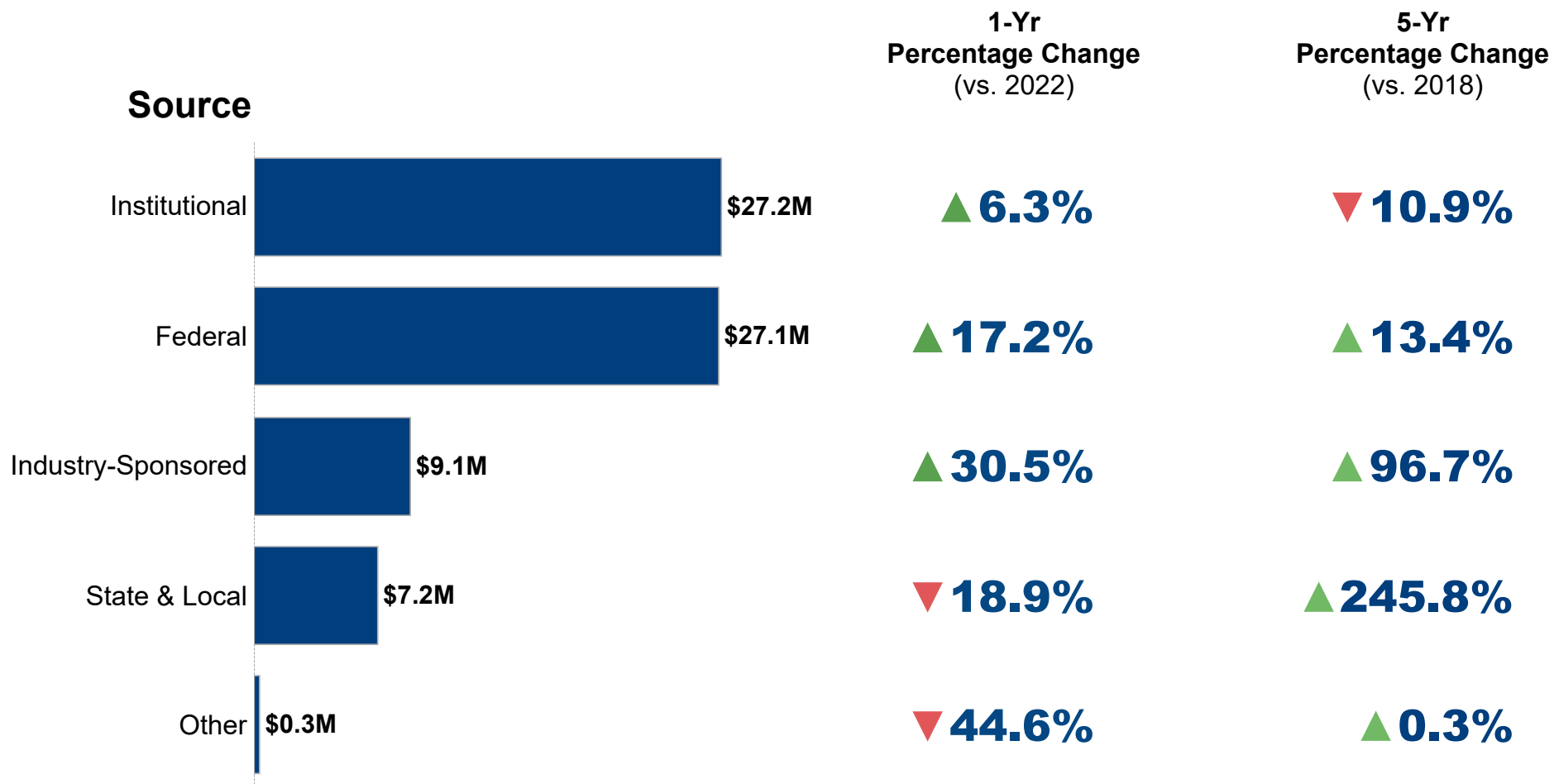
5-Year
Percentage Change
(vs. 2018)





Boston - Key Highlights

Source Of Funding **FY2023** (In Millions)





Dartmouth - Total R&D Expenditures FY2023

42M

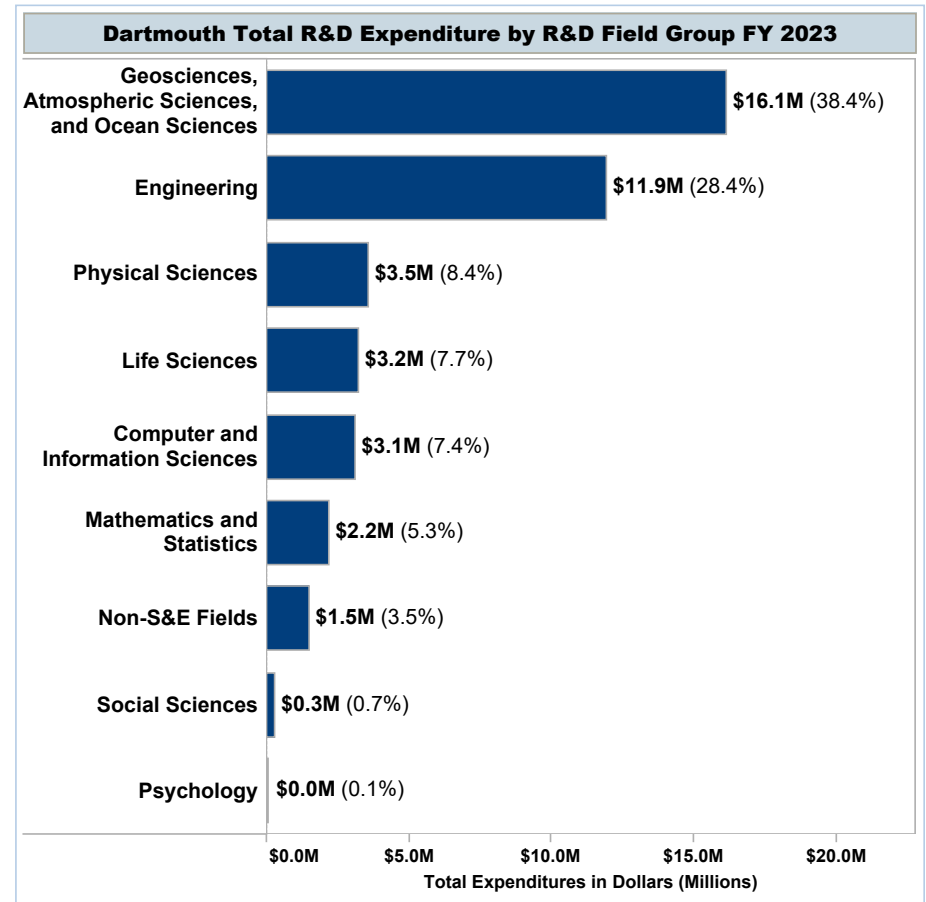
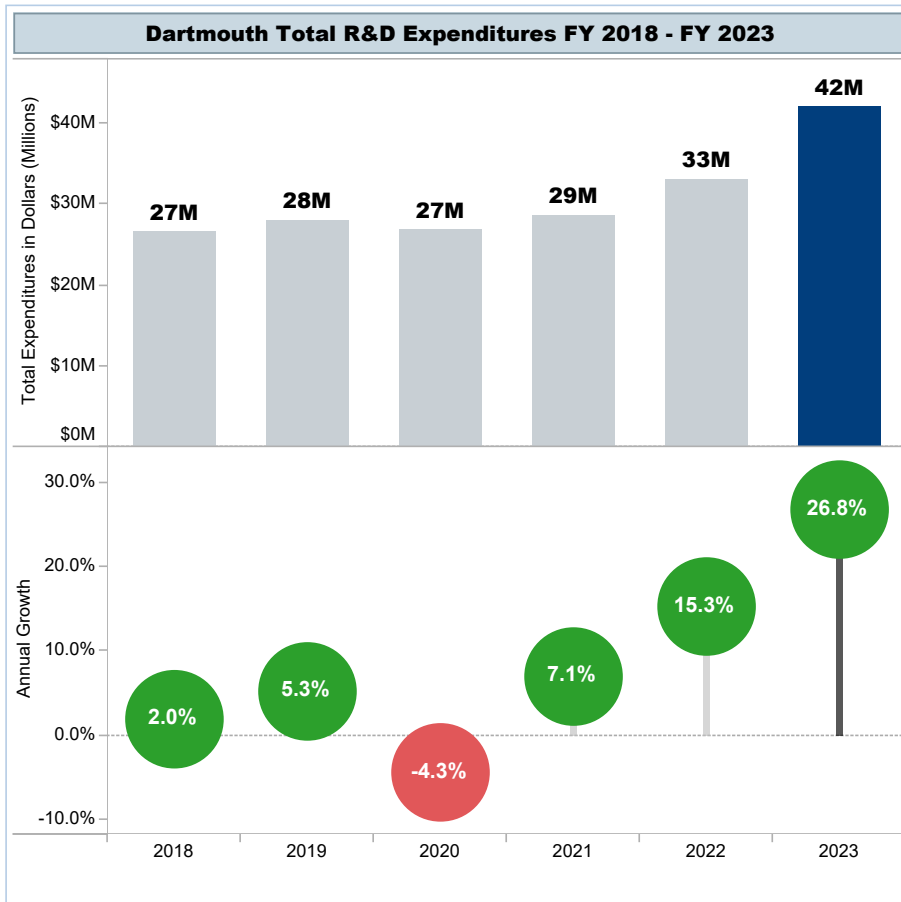
Dartmouth
Total R&D (In Millions)
FY2023

▲ 26.8%

1-Year
Percentage Change
(vs. 2022)

▲ 57.8%

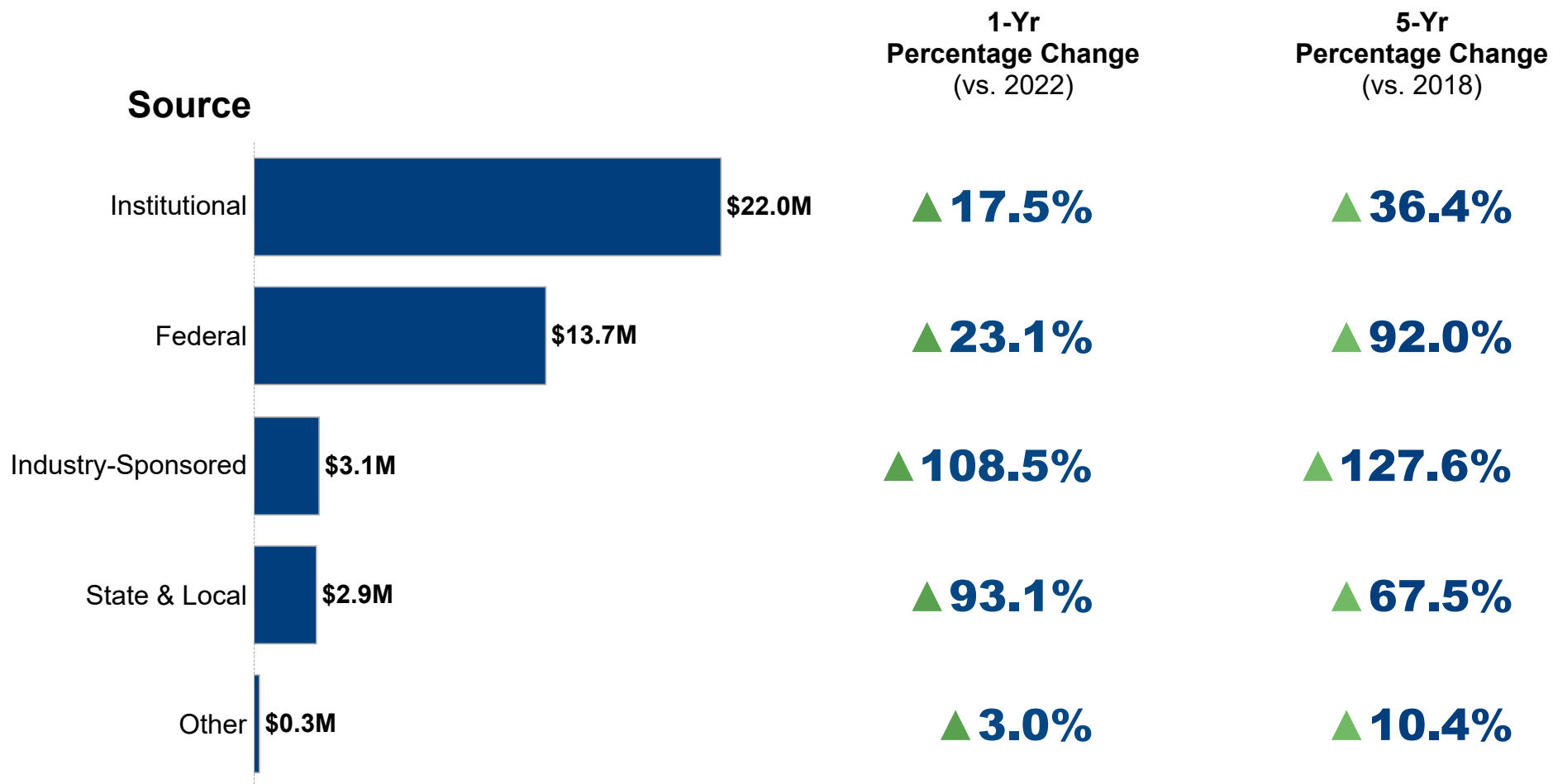
5-Year
Percentage Change
(vs. 2018)





Dartmouth - Key Highlights

Source Of Funding **FY2023** (In Millions)





Lowell - Total R&D Expenditures FY2023

117M

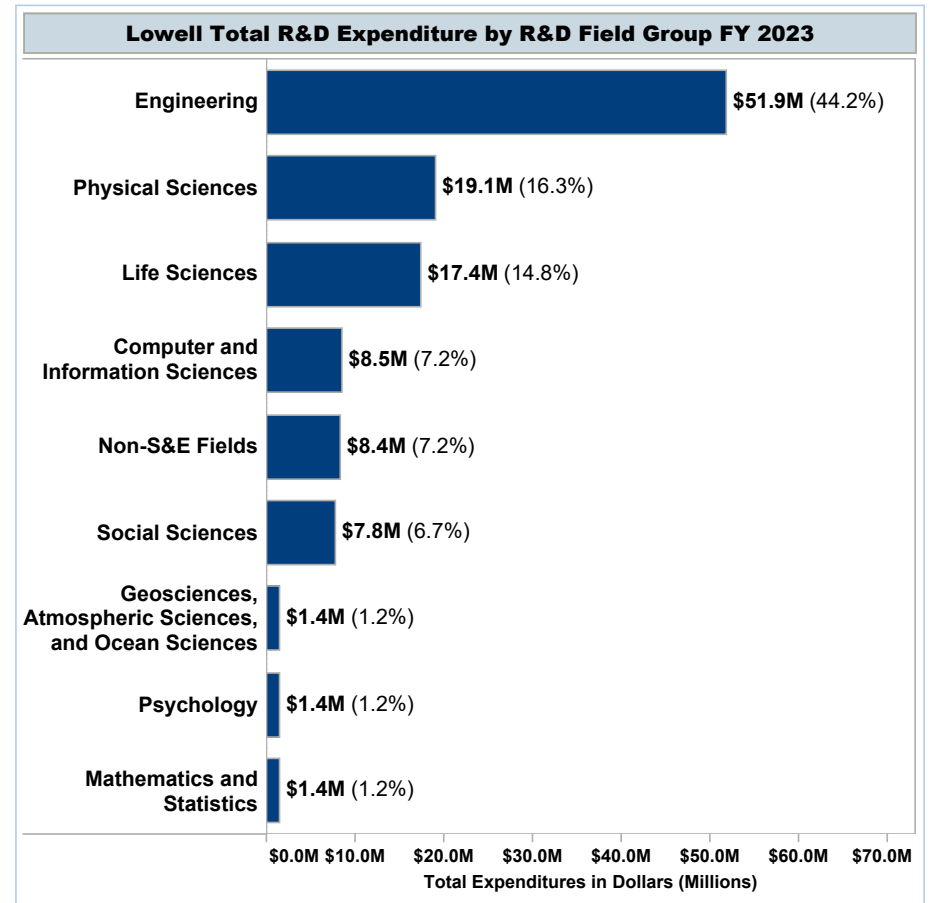
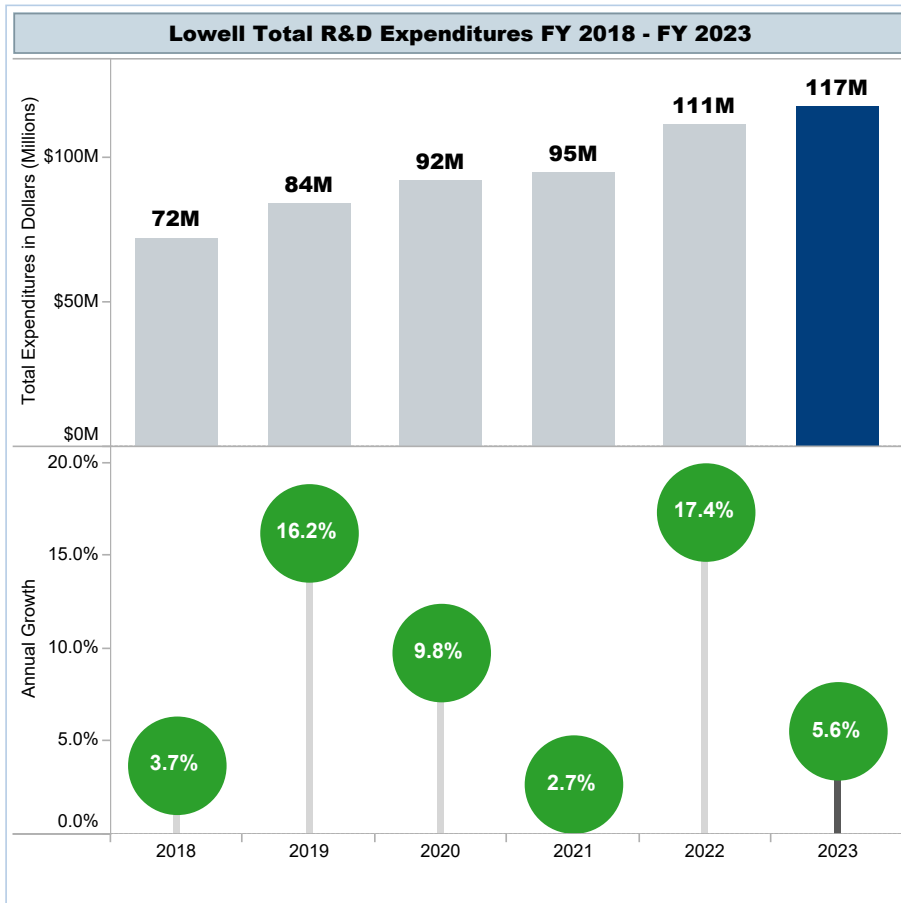
Lowell
Total R&D (In Millions)
FY2023

▲ 5.6%

1-Year
Percentage Change
(vs. 2022)

▲ 62.4%

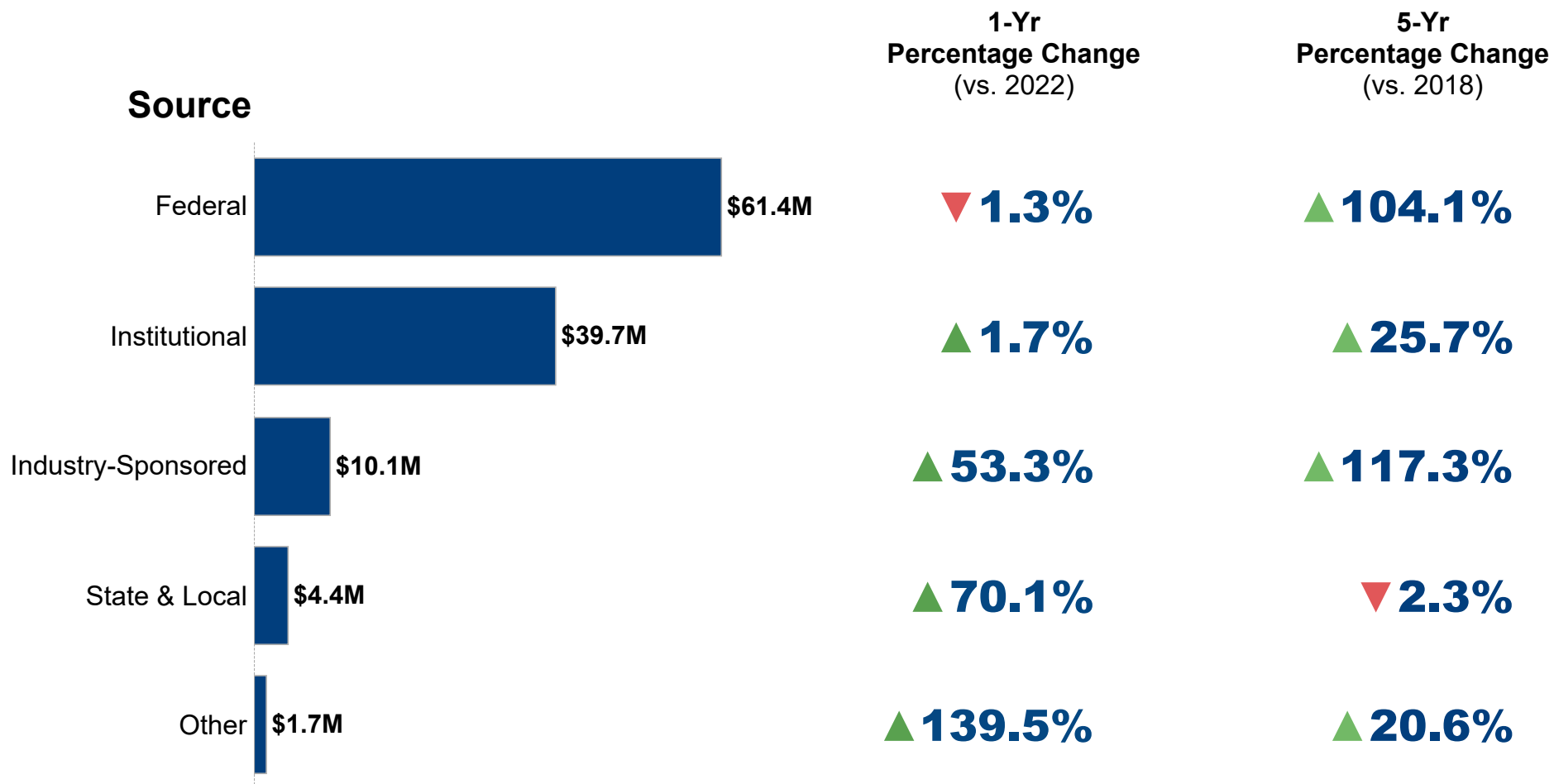
5-Year
Percentage Change
(vs. 2018)





Lowell - Key Highlights

Source Of Funding FY2023 (In Millions)





Medical School - Total R&D Expenditures FY2023

327M

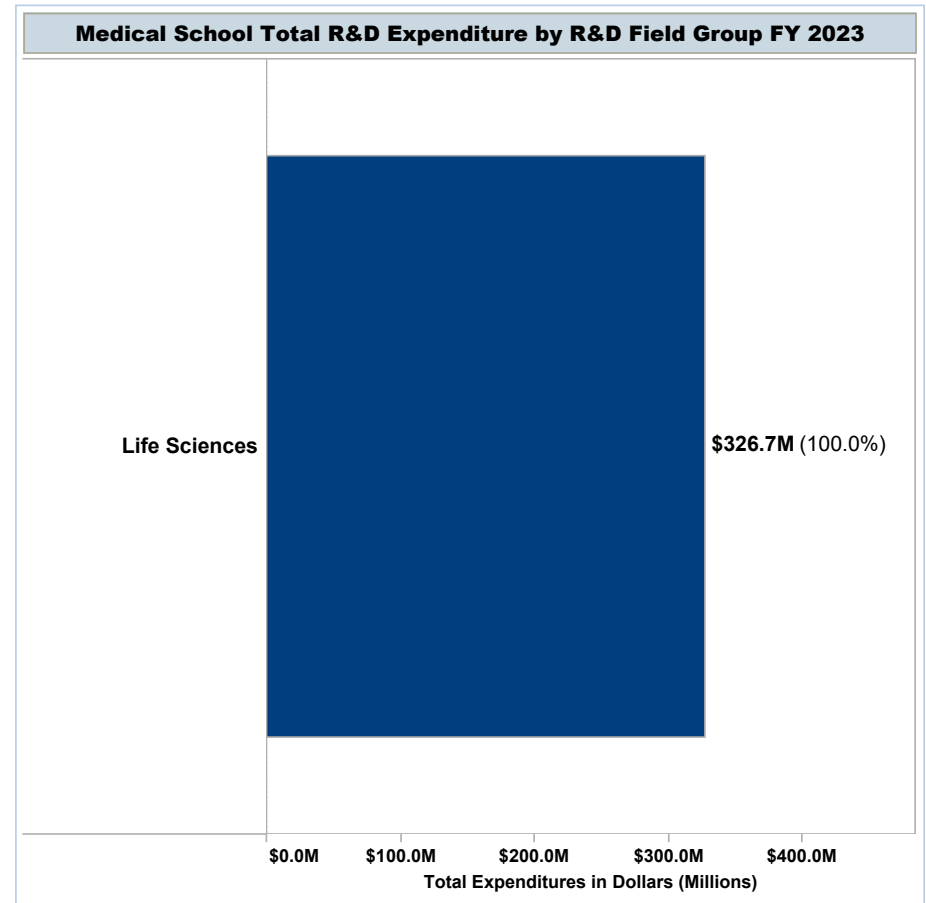
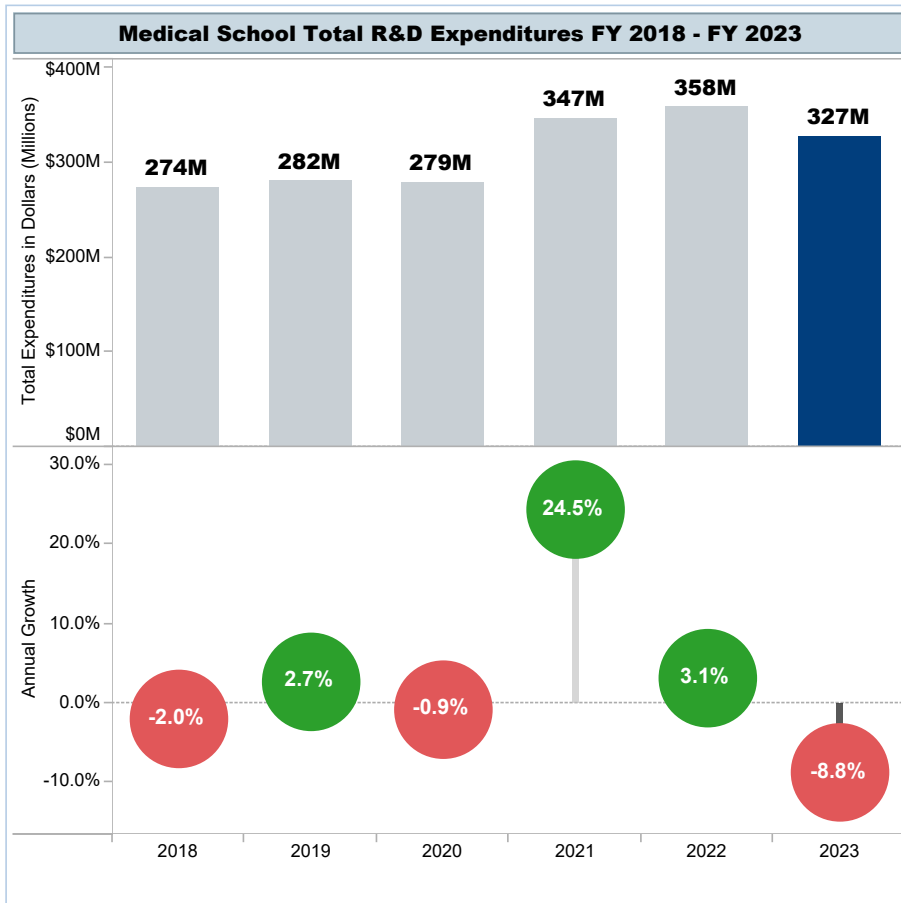
Medical School
Total R&D (In Millions)
FY2023

▼ 8.8%

1-Year
Percentage Change
(vs. 2022)

▲ 19.2%

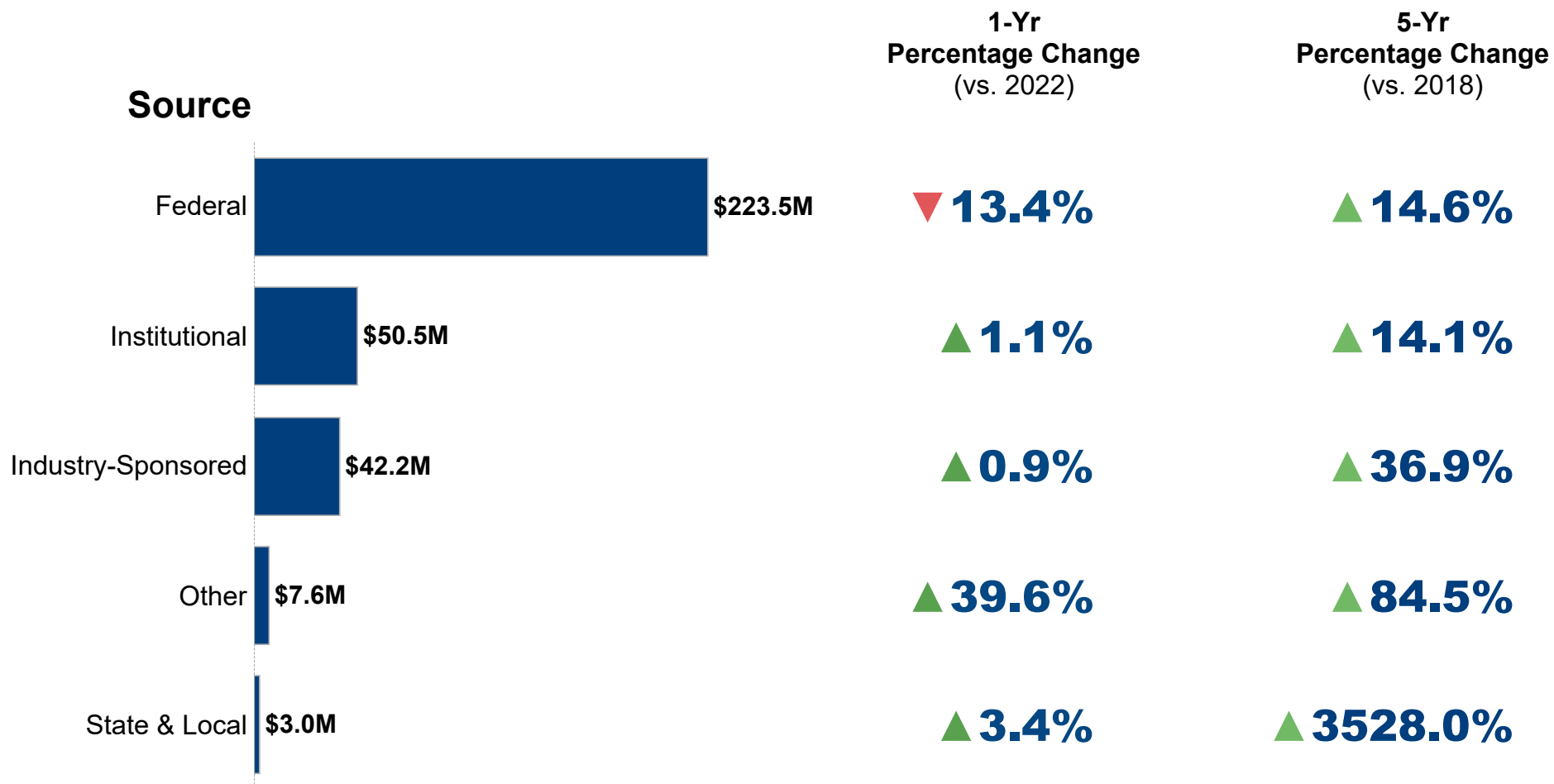
5-Year
Percentage Change
(vs. 2018)





Medical School - Key Highlights

Source Of Funding FY2023 (In Millions)



UMass System - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$464.6M	\$361.1M	\$825.7M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	\$5.9M	\$6.8M	\$12.6M
		Chemical Engineering	\$22.6M	\$18.6M	\$41.2M
		Civil Engineering	\$13.3M	\$14.7M	\$28.0M
		Electrical, Electronic, and Communications Engineering	\$14.1M	\$16.2M	\$30.3M
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	\$12.9M	\$11.3M	\$24.2M
		Metallurgical and Materials Engineering	-	\$1.6M	\$1.6M
		Other Engineering	\$2.9M	\$7.2M	\$10.1M
	Physical Sciences	Astronomy and Astrophysics	\$4.4M	\$1.6M	\$6.0M
		Chemistry	\$11.5M	\$8.4M	\$19.8M
		Materials Science	-	-	-
		Other Physical Sciences	-	\$0.2M	\$0.2M
		Physics	\$17.6M	\$10.6M	\$28.2M
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	\$4.3M	\$4.2M	\$8.5M
		Ocean Sciences and Marine Sciences	\$7.5M	\$10.8M	\$18.3M
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	\$3.7M	\$4.1M	\$7.8M
	Computer and Information Sciences	Computer and Information Sciences	\$24.0M	\$19.6M	\$43.6M
		Agricultural Sciences	\$13.2M	\$10.4M	\$23.6M
	Life Sciences	Biological and Biomedical Sciences	\$133.7M	\$65.9M	\$199.6M
		Health Sciences	\$92.3M	\$54.4M	\$146.7M
		Natural Resources and Conservation	\$6.1M	\$5.9M	\$12.0M
		Other Life Sciences	\$39.3M	\$18.0M	\$57.3M
	Psychology	Psychology	\$9.2M	\$8.2M	\$17.4M
		Anthropology	\$0.4M	\$0.7M	\$1.1M
	Social Sciences	Economics	\$1.0M	\$1.8M	\$2.8M
		Other Social Sciences	\$5.4M	\$8.1M	\$13.4M
		Political Science and Government	\$0.4M	\$3.7M	\$4.2M
		Sociology, Demography, and Population Studies	\$2.6M	\$5.1M	\$7.7M
		Other Sciences	-	\$1.4M	\$1.4M
	Other Sciences	Other Sciences	-	\$1.4M	\$1.4M
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0.1M	\$4.2M	\$4.4M
		Communication and Communications Technologies	\$0.1M	\$0.5M	\$0.6M
		Education	\$12.2M	\$19.8M	\$32.0M
		Humanities	\$0.3M	\$6.0M	\$6.2M
		Law	-	-	-
		Other Non-Science and Engin.	-	\$0.3M	\$0.3M
		Other Non-Science and Engin. Fields	\$3.4M	\$9.7M	\$13.0M
		Social Work	-	\$0.2M	\$0.2M
		Visual and Performing Arts	\$0.3M	\$1.1M	\$1.4M

Note: All values of 0 are instead indicated by a "-" mark.

Amherst - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$138.8M	\$129.8M	\$268.7M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	\$2.9M	\$3.8M	\$6.7M
		Chemical Engineering	\$15.0M	\$10.3M	\$25.3M
		Civil Engineering	\$10.6M	\$11.7M	\$22.3M
		Electrical, Electronic, and Communications Engineering	\$8.4M	\$9.1M	\$17.5M
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	\$4.6M	\$4.7M	\$9.3M
		Metallurgical and Materials Engineering	-	\$1.6M	\$1.6M
		Other Engineering	\$0.3M	-	\$0.3M
	Physical Sciences	Astronomy and Astrophysics	\$4.4M	\$1.6M	\$6.0M
		Chemistry	\$8.2M	\$3.6M	\$11.7M
		Materials Science	-	-	-
		Other Physical Sciences	-	-	-
		Physics	\$6.2M	\$3.6M	\$9.8M
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	\$3.1M	\$1.8M	\$4.8M
		Ocean Sciences and Marine Sciences	-	-	-
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	\$2.2M	\$1.2M	\$3.4M
	Computer and Information Sciences	Computer and Information Sciences	\$16.5M	\$13.5M	\$30.1M
	Life Sciences	Agricultural Sciences	\$13.1M	\$10.4M	\$23.4M
		Biological and Biomedical Sciences	\$17.3M	\$9.6M	\$26.9M
		Health Sciences	\$8.0M	\$5.1M	\$13.1M
		Natural Resources and Conservation	\$5.0M	\$4.6M	\$9.5M
		Other Life Sciences	\$0.1M	\$6.7M	\$6.7M
	Psychology	Psychology	\$6.2M	\$3.7M	\$9.9M
	Social Sciences	Anthropology	\$0.2M	\$0.2M	\$0.4M
		Economics	\$1.0M	\$1.4M	\$2.4M
		Other Social Sciences	\$0.7M	\$2.2M	\$2.9M
		Political Science and Government	\$0.4M	\$0.6M	\$1.0M
		Sociology, Demography, and Population Studies	\$0.6M	\$1.2M	\$1.8M
	Other Sciences	Other Sciences	-	\$0.9M	\$0.9M
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	-	\$1.6M	\$1.6M
		Communication and Communications Technologies	\$0.1M	\$0.4M	\$0.5M
		Education	\$2.2M	\$3.2M	\$5.5M
		Humanities	\$0.1M	\$2.5M	\$2.6M
		Law	-	-	-
		Other Non-Science and Engin. Fields	\$1.6M	\$8.7M	\$10.3M
		Social Work	-	-	-
		Visual and Performing Arts	-	\$0.5M	\$0.5M

Note: All values of 0 are instead indicated by a "-" mark.

Boston - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$27.1M	\$43.9M	\$71.0M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	\$0.1M	-	\$0.1M
		Chemical Engineering	-	-	-
		Civil Engineering	-	-	-
		Electrical, Electronic, and Communications Engineering	\$0.7M	\$0.2M	\$0.9M
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	-	-	-
		Metallurgical and Materials Engineering	-	-	-
		Other Engineering	-	\$0.3M	\$0.3M
	Physical Sciences	Astronomy and Astrophysics	-	-	-
		Chemistry	\$1.5M	\$0.7M	\$2.2M
		Materials Science	-	-	-
		Other Physical Sciences	-	-	-
		Physics	\$0.4M	\$1.4M	\$1.8M
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	\$0.4M	\$1.8M	\$2.2M
		Ocean Sciences and Marine Sciences	\$0.8M	\$1.4M	\$2.2M
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	\$0.3M	\$0.5M	\$0.8M
	Computer and Information Sciences	Computer and Information Sciences	\$0.7M	\$1.2M	\$1.9M
	Life Sciences	Agricultural Sciences	\$0.2M	-	\$0.2M
		Biological and Biomedical Sciences	\$4.0M	\$2.1M	\$6.1M
		Health Sciences	\$2.1M	\$1.4M	\$3.5M
		Natural Resources and Conservation	\$1.1M	\$1.3M	\$2.5M
		Other Life Sciences	-	-	-
	Psychology	Psychology	\$2.7M	\$3.4M	\$6.0M
	Social Sciences	Anthropology	\$0.2M	\$0.4M	\$0.7M
		Economics	-	\$0.1M	\$0.1M
		Other Social Sciences	\$0.6M	\$3.1M	\$3.7M
		Political Science and Government	-	\$2.5M	\$2.5M
		Sociology, Demography, and Population Studies	\$2.0M	\$3.6M	\$5.6M
	Other Sciences	Other Sciences	-	\$0.6M	\$0.6M
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	-	\$0.7M	\$0.7M
		Communication and Communications Technologies	-	-	-
		Education	\$9.1M	\$15.9M	\$25.0M
		Humanities	-	\$0.9M	\$0.9M
		Law	-	-	-
		Other Non-Science and Engin. Fields	-	-	-
		Social Work	-	\$0.2M	\$0.2M
		Visual and Performing Arts	\$0.3M	\$0.2M	\$0.4M

Note: All values of 0 are instead indicated by a "-" mark.

Dartmouth - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$13.7M	\$28.3M	\$42.0M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	\$0.1M	\$1.1M	\$1.2M
		Chemical Engineering	-	-	-
		Civil Engineering	\$1.1M	\$1.6M	\$2.7M
		Electrical, Electronic, and Communications Engineering	\$1.1M	\$3.2M	\$4.3M
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	\$0.9M	\$2.4M	\$3.3M
		Metallurgical and Materials Engineering	-	-	-
		Other Engineering	-	\$0.5M	\$0.5M
	Physical Sciences	Astronomy and Astrophysics	-	-	-
		Chemistry	\$0.5M	\$1.9M	\$2.4M
		Materials Science	-	-	-
		Other Physical Sciences	-	\$0.2M	\$0.2M
		Physics	-	\$1.0M	\$1.0M
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	-	-	-
		Ocean Sciences and Marine Sciences	\$6.7M	\$9.4M	\$16.1M
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	\$1.0M	\$1.2M	\$2.2M
	Computer and Information Sciences	Computer and Information Sciences	\$1.1M	\$2.0M	\$3.1M
	Life Sciences	Agricultural Sciences	-	-	-
		Biological and Biomedical Sciences	\$0.2M	\$1.7M	\$1.9M
		Health Sciences	-	\$1.3M	\$1.3M
		Natural Resources and Conservation	-	-	-
		Other Life Sciences	-	-	-
	Psychology	Psychology	-	-	-
	Social Sciences	Anthropology	-	-	-
		Economics	-	\$0.1M	\$0.1M
		Other Social Sciences	\$0.1M	\$0.1M	\$0.2M
		Political Science and Government	-	-	-
		Sociology, Demography, and Population Studies	-	-	-
	Other Sciences	Other Sciences	-	-	-
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	-	-	-
		Communication and Communications Technologies	-	-	-
		Education	\$0.9M	\$0.1M	\$1.1M
		Humanities	-	-	-
		Law	-	-	-
		Other Non-Science and Engin.	-	\$0.3M	\$0.3M
		Social Work	-	-	-
		Visual and Performing Arts	-	\$0.2M	\$0.2M

Note: All values of 0 are instead indicated by a "-" mark.

Lowell - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$61.4M	\$55.9M	\$117.3M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	\$2.8M	\$1.9M	\$4.7M
		Chemical Engineering	\$7.6M	\$8.3M	\$15.9M
		Civil Engineering	\$1.6M	\$1.4M	\$3.0M
		Electrical, Electronic, and Communications Engineering	\$3.9M	\$3.6M	\$7.5M
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	\$7.4M	\$4.2M	\$11.7M
		Metallurgical and Materials Engineering	-	-	-
		Other Engineering	\$2.6M	\$6.5M	\$9.1M
	Physical Sciences	Astronomy and Astrophysics	-	-	-
		Chemistry	\$1.3M	\$2.3M	\$3.5M
		Materials Science	-	-	-
		Other Physical Sciences	-	-	-
		Physics	\$10.9M	\$4.6M	\$15.5M
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	\$0.8M	\$0.6M	\$1.4M
		Ocean Sciences and Marine Sciences	-	-	-
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	\$0.3M	\$1.2M	\$1.4M
	Computer and Information Sciences	Computer and Information Sciences	\$5.6M	\$2.8M	\$8.5M
	Life Sciences	Agricultural Sciences	-	-	-
		Biological and Biomedical Sciences	\$4.4M	\$2.9M	\$7.3M
		Health Sciences	\$5.8M	\$4.2M	\$10.0M
		Natural Resources and Conservation	-	-	-
		Other Life Sciences	-	-	-
	Psychology	Psychology	\$0.3M	\$1.1M	\$1.4M
	Social Sciences	Anthropology	-	-	-
		Economics	-	\$0.3M	\$0.3M
		Other Social Sciences	\$3.9M	\$2.7M	\$6.6M
		Political Science and Government	\$0.1M	\$0.6M	\$0.6M
		Sociology, Demography, and Population Studies	-	\$0.3M	\$0.3M
	Other Sciences	Other Sciences	-	-	-
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	\$0.1M	\$2.0M	\$2.0M
		Communication and Communications Technologies	-	-	-
		Education	-	\$0.5M	\$0.5M
		Humanities	\$0.2M	\$2.6M	\$2.7M
		Law	-	-	-
		Other Non-Science and Engin. Fields	\$1.8M	\$1.0M	\$2.8M
		Social Work	-	-	-
		Visual and Performing Arts	-	\$0.3M	\$0.3M

Note: All values of 0 are instead indicated by a "-" mark.

Medical School - FY 2023 Total Expenditures by Field (Federal and Non-Federal)					
Field Category	Field Group	Field	Federal	Non Federal	Grand Total
Grand Total			\$223.5M	\$103.2M	\$326.7M
SCI & ENG FIELDS	Engineering	Aerospace, Aeronautical, and Astronautical Engineering	-	-	-
		Bioengineering and Biomedical Engineering	-	-	-
		Chemical Engineering	-	-	-
		Civil Engineering	-	-	-
		Electrical, Electronic, and Communications Engineering	-	-	-
		Industrial and Manufacturing Engineering	-	-	-
		Mechanical Engineering	-	-	-
		Metallurgical and Materials Engineering	-	-	-
		Other Engineering	-	-	-
	Physical Sciences	Astronomy and Astrophysics	-	-	-
		Chemistry	-	-	-
		Materials Science	-	-	-
		Other Physical Sciences	-	-	-
		Physics	-	-	-
	Geosciences, Atmospheric Sciences, and Ocean Sciences	Atmospheric Science and Meteorology	-	-	-
		Geological and Earth Sciences	-	-	-
		Ocean Sciences and Marine Sciences	-	-	-
		Other Geosciences, Atmospheric Sciences, and Ocean Sciences	-	-	-
	Mathematics and Statistics	Mathematics and Statistics	-	-	-
	Computer and Information Sciences	Computer and Information Sciences	-	-	-
	Life Sciences	Agricultural Sciences	-	-	-
		Biological and Biomedical Sciences	\$107.8M	\$49.6M	\$157.4M
		Health Sciences	\$76.5M	\$42.4M	\$118.9M
		Natural Resources and Conservation	-	-	-
		Other Life Sciences	\$39.3M	\$11.3M	\$50.5M
	Psychology	Psychology	-	-	-
	Social Sciences	Anthropology	-	-	-
		Economics	-	-	-
		Other Social Sciences	-	-	-
		Political Science and Government	-	-	-
		Sociology, Demography, and Population Studies	-	-	-
	Other Sciences	Other Sciences	-	-	-
NON-SCI & ENG FIELDS	Non-S&E Fields	Business Management and Business Administration	-	-	-
		Communication and Communications Technologies	-	-	-
		Education	-	-	-
		Humanities	-	-	-
		Law	-	-	-
		Other Non-Science and Engin. Fields	-	-	-
		Social Work	-	-	-
		Visual and Performing Arts	-	-	-

Note: All values of 0 are instead indicated by a "-" mark.

FY 2018 - FY 2023 R&D Expenditures in Dollars (Millions) by Source - Details

Source	Campus Name	Fiscal Year					
		2018	2019	2020	2021	2022	2023
Federal	Amherst	\$110.7M	\$117.4M	\$116.2M	\$116.3M	\$129.0M	\$138.8M
	Boston	\$30.4M	\$25.1M	\$27.6M	\$23.7M	\$23.1M	\$27.1M
	Dartmouth	\$7.2M	\$7.4M	\$6.5M	\$8.2M	\$11.2M	\$13.7M
	Lowell	\$30.1M	\$35.3M	\$41.3M	\$48.2M	\$62.2M	\$61.4M
	Medical School	\$195.0M	\$197.4M	\$192.9M	\$248.9M	\$258.1M	\$223.5M
	Presidents Office	\$0.6M	\$0.5M	\$0.5M	\$0.3M	-	-
	UMASS System	\$373.9M	\$383.0M	\$385.0M	\$445.6M	\$483.7M	\$464.6M
State & Local	Amherst	\$9.6M	\$12.4M	\$7.8M	\$8.6M	\$12.6M	\$11.5M
	Boston	\$2.1M	\$2.4M	\$3.3M	\$7.1M	\$8.9M	\$7.2M
	Dartmouth	\$1.8M	\$1.6M	\$1.6M	\$1.4M	\$1.5M	\$2.9M
	Lowell	\$4.5M	\$6.4M	\$8.5M	\$4.2M	\$2.6M	\$4.4M
	Medical School	\$0.1M	\$0.5M	\$1.4M	\$5.4M	\$2.9M	\$3.0M
	Presidents Office	\$3.3M	\$3.2M	\$3.5M	\$2.4M	-	-
	UMASS System	\$21.4M	\$26.5M	\$26.2M	\$29.2M	\$28.5M	\$29.0M
Institutional	Amherst	\$72.0M	\$70.9M	\$75.3M	\$72.0M	\$79.6M	\$90.4M
	Boston	\$24.0M	\$28.2M	\$25.4M	\$25.5M	\$25.6M	\$27.2M
	Dartmouth	\$16.1M	\$17.4M	\$16.8M	\$16.9M	\$18.7M	\$22.0M
	Lowell	\$31.6M	\$36.7M	\$36.0M	\$36.6M	\$39.1M	\$39.7M
	Medical School	\$44.2M	\$43.2M	\$45.3M	\$49.1M	\$49.9M	\$50.5M
	Presidents Office	\$0.3M	\$0.2M	\$0.3M	\$0.3M	-	-
	UMASS System	\$188.3M	\$196.6M	\$199.1M	\$200.3M	\$212.9M	\$229.9M
Other	Amherst	\$1.3M	\$3.5M	\$3.6M	\$3.7M	\$6.7M	\$6.3M
	Boston	\$0.3M	\$0.6M	\$0.2M	\$0.4M	\$0.6M	\$0.3M
	Dartmouth	\$0.2M	\$0.2M	\$0.3M	\$0.2M	\$0.3M	\$0.3M
	Lowell	\$1.4M	\$1.1M	\$1.9M	\$0.7M	\$0.7M	\$1.7M
	Medical School	\$4.1M	\$7.1M	\$4.8M	\$7.7M	\$5.4M	\$7.6M
	Presidents Office	-	\$0.1M	\$0.1M	-	-	-
	UMASS System	\$7.4M	\$12.6M	\$10.8M	\$12.7M	\$13.7M	\$16.2M
Industry-Sponsored : Business	Amherst	\$9.4M	\$10.0M	\$7.7M	\$7.7M	\$8.6M	\$9.2M
	Boston	\$1.4M	\$1.7M	\$2.1M	\$2.2M	\$2.0M	\$2.4M
	Dartmouth	\$0.9M	\$1.1M	\$1.4M	\$1.5M	\$1.0M	\$1.8M
	Lowell	\$3.6M	\$3.5M	\$3.3M	\$3.4M	\$4.5M	\$7.6M
	Medical School	\$12.6M	\$16.4M	\$15.1M	\$16.7M	\$20.9M	\$21.9M
	Presidents Office	\$0.3M	\$0.3M	\$0.2M	-	-	-
	UMASS System	\$28.1M	\$33.0M	\$29.7M	\$31.5M	\$37.0M	\$42.9M
Industry-Sponsored : Nonprofit organizations	Amherst	\$8.2M	\$9.0M	\$8.9M	\$5.5M	\$8.6M	\$12.4M
	Boston	\$3.2M	\$4.1M	\$5.6M	\$4.8M	\$5.0M	\$6.7M
	Dartmouth	\$0.4M	\$0.3M	\$0.3M	\$0.5M	\$0.4M	\$1.3M
	Lowell	\$1.1M	\$1.1M	\$1.3M	\$1.7M	\$2.1M	\$2.5M
	Medical School	\$18.3M	\$16.9M	\$19.5M	\$19.5M	\$21.0M	\$20.3M
	Presidents Office	\$0.8M	\$0.6M	\$0.6M	\$0.5M	-	-
	UMASS System	\$31.9M	\$32.0M	\$36.2M	\$32.5M	\$37.1M	\$43.2M
Grand Total		\$651.0M	\$683.7M	\$687.0M	\$751.9M	\$812.9M	\$825.7M

Note: All values of 0 are instead indicated by a "-" mark.