

TABLE 7

## Federal obligations for research and experimental development, by agency and performer: FY 2020

(Dollars in millions)

Agency	Total R&D	Intramural <sup>a</sup>	Extramural							Foreign
			United States and U.S. territories							
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments	
All agencies	167,402.8	51,471.7	51,428.0	4,118.7	38,540.9	5,355.2	10,698.9	3,676.0	720.1	1,393.3
Departments										
Department of Agriculture	2,643.6	1,689.8	4.6	0.0	883.7	0.0	51.9	0.0	8.6	5.1
Agricultural Marketing Service	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	1,423.5	1,247.9	0.0	0.0	156.6	0.0	14.3	0.0	0.3	4.4
Animal and Plant Health Inspection Service	39.8	27.6	0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0
Economic Research Service	81.7	74.6	1.8	0.0	4.1	0.0	1.2	0.0	*	0.0
Forest Service	342.0	305.0	1.4	0.0	25.0	0.0	4.1	0.0	5.9	0.6
National Agricultural Statistics Service	9.0	8.4	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.0
National Institute of Food and Agriculture	737.9	19.3	1.5	0.0	683.0	0.0	31.7	0.0	2.4	0.0
Rural Business-Cooperative Service	2.8	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0
Department of Commerce	1,621.7	1,193.0	50.5	0.0	313.8	4.2	31.0	19.9	5.1	4.4
National Institute of Standards and Technology	734.9	622.1	34.2	0.0	48.6	0.0	6.0	19.6	0.1	4.4
National Oceanic and Atmospheric Administration	768.1	452.1	16.3	0.0	265.2	4.2	25.0	0.3	4.9	*
National Telecommunications and Information Administration	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	111.1	111.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	66,695.0	22,666.6	35,233.5	442.2	4,524.9	463.1	1,473.9	916.8	8.8	965.3
Defense Advanced Research Projects Agency	3,664.3	317.3	2,383.2	38.6	647.5	39.3	163.1	33.8	0.3	41.3
Defense Health Agency	2,870.4	1,097.6	400.1	0.0	703.4	0.3	627.6	3.5	0.3	37.6
Department of the Air Force	11,683.2	4,675.7	6,133.8	135.4	551.9	27.1	9.0	126.2	0.8	23.3
Department of the Army	10,786.4	3,447.7	5,749.4	2.3	1,005.7	25.6	258.4	234.1	0.0	63.3
Department of the Navy	19,113.8	7,339.1	10,154.3	73.0	1,025.2	38.4	311.3	112.2	0.6	59.7
U.S. Space Force	4,385.7	134.8	3,872.3	9.2	17.7	49.0	1.2	188.6	5.2	107.7
Other defense agencies	14,191.2	5,654.5	6,540.3	183.8	573.5	283.4	103.4	218.4	1.5	632.4
Department of Education	240.1	10.5	15.1	0.0	158.2	0.0	46.2	0.0	10.2	0.0
Department of Energy	13,453.0	871.8	2,973.7	2,771.1	1,837.1	2,375.1	148.4	2,419.9	55.6	0.3

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Advanced Research Projects Agency--Energy	438.0	0.0	165.4	18.4	181.5	16.0	26.8	29.9	0.0	0.0	
Electricity Delivery and Energy Reliability	139.8	3.2	9.2	38.2	16.6	8.4	9.8	54.0	0.4	0.0	
Energy Efficiency and Renewable Energy	2,096.2	0.0	645.6	140.1	520.8	170.8	0.0	593.2	25.7	0.0	
Environmental Management	22.2	0.0	8.0	12.5	1.0	0.0	0.8	0.0	0.0	0.0	
Fossil Energy	679.3	411.6	0.0	23.8	200.9	8.9	0.0	34.2	0.0	0.0	
National Nuclear Security Administration	3,983.7	234.6	1,544.8	2,033.3	14.9	16.3	69.7	70.0	0.1	0.0	
Defense Programs	2,298.1	172.2	182.8	1,867.0	1.2	3.9	69.7	1.3	0.0	0.0	
Naval Nuclear Propulsion Program	1,387.4	50.3	1,336.1	0.9	0.0	0.0	0.0	0.1	0.0	0.0	
Office of Defense Nuclear Nonproliferation	298.1	12.1	25.8	165.4	13.8	12.5	0.0	68.6	0.1	0.0	
Nuclear Energy	573.2	2.3	144.4	232.1	81.6	39.3	0.0	73.4	0.0	0.2	
Office of Cybersecurity, Energy Security, and Emergency Response	50.7	14.1	3.0	7.7	3.9	1.8	12.5	7.7	0.0	0.0	
Office of Science	5,470.0	206.0	453.4	265.1	815.9	2,113.6	28.8	1,557.5	29.4	0.2	
Department of Health and Human Services	60,005.7	19,300.3	7,580.9	862.1	23,928.3	20.3	7,608.4	48.1	368.3	288.9	
Administration for Children and Families	1.6	0.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	
Administration for Community Living	90.4	0.0	3.0	0.0	67.6	0.0	19.4	0.0	0.5	0.0	
Agency for Healthcare Research and Quality	338.0	76.8	130.3	0.0	100.7	0.0	30.1	0.0	0.1	0.0	
Agency for Toxic Substances and Disease Registry	9.6	0.0	0.0	0.0	2.1	0.0	0.5	0.0	7.0	0.0	
Biomedical Advanced Research and Development Authority	15,666.4	9,930.0	5,270.6	0.0	273.5	0.0	173.6	11.9	6.9	0.0	
Centers for Disease Control and Prevention	496.8	113.0	37.4	0.0	209.6	0.0	74.7	0.4	25.6	36.1	
Centers for Medicare and Medicaid Services	223.6	0.0	0.0	0.0	14.4	0.0	0.0	*	209.1	0.0	
Food and Drug Administration	464.0	333.7	10.4	0.0	75.2	0.0	39.4	0.0	1.9	3.4	



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Employee Benefits Security Administration	2.7	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	1,184.2	222.0	344.8	0.0	275.8	0.3	54.5	70.0	216.5	0.2
Federal Aviation Administration	431.9	85.7	157.3	0.0	94.5	0.0	25.2	69.3	0.0	0.0
Federal Highway Administration	512.2	71.9	80.2	0.0	145.7	0.0	20.8	0.0	193.6	0.1
Federal Motor Carrier Safety Administration	8.9	5.9	1.1	0.0	1.5	0.0	0.0	0.4	0.0	0.0
Federal Railroad Administration	46.4	12.0	25.5	0.0	7.0	0.0	1.4	0.4	0.0	0.1
Federal Transit Administration	40.2	0.0	6.8	0.0	8.2	0.0	5.5	0.0	19.7	0.0
National Highway Traffic Safety Administration	68.9	10.1	53.2	0.0	5.3	0.3	*	0.0	0.0	0.0
Office of the Secretary of Transportation	34.4	26.2	0.0	0.0	5.0	0.0	0.0	0.0	3.2	0.0
Pipeline and Hazardous Materials Safety Administration	41.4	10.2	20.7	0.0	8.7	0.0	1.7	0.0	0.0	0.0
Department of the Treasury	60.6	2.5	30.5	4.4	0.0	0.0	0.7	2.9	0.0	19.6
Bureau of Engraving and Printing	60.4	2.4	30.5	4.3	0.0	0.0	0.7	2.9	0.0	19.6
U.S. Mint	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	1,565.1	1,495.0	0.0	0.0	0.0	0.0	0.0	70.2	0.0	0.0
Other agencies										
Administrative Office of the U.S. Courts	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
Agency for International Development	194.3	19.7	22.4	0.0	51.0	0.0	50.1	0.0	0.0	51.1
Appalachian Regional Commission	0.7	0.0	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Consumer Product Safety Commission	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	488.5	244.4	190.9	0.1	51.6	1.1	0.0	0.3	0.0	0.0
Federal Communications Commission	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	10,537.8	2,551.9	4,195.5	10.2	1,107.7	2,220.4	384.2	35.0	3.5	29.4

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National Science Foundation	6,351.2	9.4	458.4	0.0	5,237.9	262.4	344.5	4.7	14.8	19.1
Nuclear Regulatory Commission	69.2	29.7	7.9	11.3	3.5	3.0	0.6	13.0	0.0	0.3
Patient-Centered Outcomes Research Trust Fund	469.7	0.0	0.0	0.0	0.0	0.0	469.7	0.0	0.0	0.0
RESTORE Act Centers of Excellence Research Grants Program	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0
Smithsonian Institution	209.8	209.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	69.7	37.2	20.1	0.0	9.5	0.0	2.9	0.0	0.0	0.1
Tennessee Valley Authority	8.4	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Agency for Global Media	4.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Postal Service	18.2	0.0	16.2	0.0	2.0	0.0	0.0	0.0	0.0	0.0

\* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

<sup>a</sup> Intramural activities cover costs associated with the administration of intramural R&D programs and extramural R&D procurements by federal personnel as well as actual intramural performance.**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FYs 2020 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2020–21.