

Table SRD-6

Federal obligations for R&D and R&D plant, by agency, performer, and type of R&D: FY 2020

(Millions of dollars)

Agency	All federal obligations	Federal intramural ^a	Extramural performers							Foreign
			Business firms	United States and U.S. territories						
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
Total R&D and R&D plant										
All agencies	173,552.9	54,577.7	52,105.5	4,340.8	38,891.5	6,223.0	10,824.2	4,469.7	726.7	1,393.7
Department of Agriculture	3,433.5	2,479.6	4.6	0.0	883.7	0.0	51.9	0.0	8.6	5.1
Department of Commerce	1,980.9	1,552.2	50.5	0.0	313.8	4.2	31.0	19.9	5.1	4.4
Department of Defense	67,006.8	22,964.0	35,247.8	442.2	4,524.9	463.1	1,473.9	916.8	8.8	965.3
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	15,778.0	914.5	3,343.6	2,993.2	1,877.1	3,225.7	148.4	3,213.6	61.6	0.3
Department of Health and Human Services	61,774.8	20,832.4	7,762.8	862.1	23,983.4	20.3	7,608.4	48.1	368.3	288.9
Department of Homeland Security	507.5	132.9	241.9	17.3	29.2	4.8	2.7	69.5	0.8	8.5
Department of the Interior	844.4	721.1	23.4	0.0	80.6	0.5	4.2	0.5	12.9	1.1
Department of Justice	96.4	10.9	8.7	0.0	46.3	0.0	24.7	0.0	5.9	0.0
Department of Transportation	1,224.5	227.8	379.3	0.0	275.8	0.3	54.5	70.0	216.5	0.2
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
Agency for International Development	194.3	19.7	22.4	0.0	51.0	0.0	50.1	0.0	0.0	51.1
Environmental Protection Agency	493.0	244.4	195.3	0.1	51.6	1.1	0.0	0.3	0.0	0.0
National Aeronautics and Space Administration	10,573.6	2,552.1	4,213.9	10.2	1,107.7	2,237.6	384.2	35.0	3.5	29.4
National Science Foundation	6,792.5	20.4	506.9	0.0	5,493.4	262.4	469.8	4.7	15.4	19.5
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
Smithsonian Institution	276.0	276.0	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
All other agencies	232.0	87.0	69.1	15.7	5.5	3.0	1.7	21.0	9.2	19.9
R&D										
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
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
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
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
Department of Education	240.1	10.5	15.1	0.0	158.2	0.0	46.2	0.0	10.2	0.0

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				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
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
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
Department of Homeland Security	507.5	132.9	241.9	17.3	29.2	4.8	2.7	69.5	0.8	8.5
Department of the Interior	837.2	719.6	17.8	0.0	80.6	0.5	4.2	0.5	12.8	1.1
Department of Justice	96.4	10.9	8.7	0.0	46.3	0.0	24.7	0.0	5.9	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
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
Agency for International Development	194.3	19.7	22.4	0.0	51.0	0.0	50.1	0.0	0.0	51.1
Environmental Protection Agency	488.5	244.4	190.9	0.1	51.6	1.1	0.0	0.3	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
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
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
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
All other agencies	232.0	87.0	69.1	15.7	5.5	3.0	1.7	21.0	9.2	19.9
Basic research										
All agencies	41,546.6	7,688.1	3,146.8	799.9	20,128.2	3,455.5	4,325.6	1,667.7	114.3	220.6
Department of Agriculture	1,163.8	725.7	0.1	0.0	414.0	0.0	19.0	0.0	2.6	2.4
Department of Commerce	251.2	237.2	5.2	0.0	7.0	0.0	1.4	0.0	0.0	0.3
Department of Defense	2,499.1	401.9	364.5	17.8	1,490.8	19.8	102.1	35.6	0.1	66.4
Department of Education	53.7	2.8	0.2	0.0	41.3	0.0	7.9	0.0	1.6	0.0
Department of Energy	5,501.6	207.3	325.6	334.9	865.1	2,120.1	29.7	1,589.3	29.5	0.2
Department of Health and Human Services	21,809.0	4,514.8	1,084.5	439.7	11,841.6	10.4	3,707.3	18.3	64.2	128.3
Department of Homeland Security	47.4	5.6	24.3	0.3	17.1	0.0	0.0	0.1	0.0	0.0
Department of the Interior	83.9	75.6	0.2	0.0	6.7	0.0	0.2	0.0	1.2	0.0

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Department of Justice	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0
Department of Transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	617.7	617.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for International Development	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	3,839.4	680.3	1,078.8	7.2	820.1	1,042.8	185.3	17.9	2.6	4.3
National Science Foundation	5,461.9	8.3	259.9	0.0	4,622.6	262.4	272.6	4.7	12.6	18.7
Patient-Centered Outcomes Research Trust Fund	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other agencies	7.4	1.1	3.5	0.0	1.0	0.0	0.0	1.8	0.0	0.0
Applied research										
All agencies	43,758.1	11,884.2	6,881.6	2,712.6	15,345.5	407.8	4,865.0	848.7	530.4	282.3
Department of Agriculture	1,224.6	733.0	4.5	0.0	447.6	0.0	31.2	0.0	6.0	2.2
Department of Commerce	1,109.6	784.7	40.3	0.0	251.1	0.0	6.1	19.6	3.7	4.1
Department of Defense	6,416.2	2,053.0	2,813.1	67.0	936.3	62.0	310.0	130.2	1.3	43.2
Department of Education	135.8	5.6	3.9	0.0	84.1	0.0	34.6	0.0	7.6	0.0
Department of Energy	5,023.6	604.7	805.5	2,193.1	624.5	167.1	87.9	525.1	15.6	0.1
Department of Health and Human Services	22,424.8	4,819.6	1,221.9	422.4	11,761.8	9.9	3,714.1	18.0	296.4	160.6
Department of Homeland Security	177.9	59.7	41.5	11.1	1.3	4.8	0.7	56.9	0.0	1.9
Department of the Interior	614.5	528.6	14.4	0.0	57.5	0.1	3.0	0.5	9.6	0.7
Department of Justice	83.8	7.7	8.7	0.0	42.5	0.0	24.1	0.0	0.7	0.0
Department of Transportation	900.2	174.8	232.9	0.0	260.9	0.3	52.1	1.7	177.2	0.2
Department of Veterans Affairs	918.1	847.9	0.0	0.0	0.0	0.0	0.0	70.2	0.0	0.0
Agency for International Development	134.8	16.7	12.3	0.0	37.2	0.0	32.5	0.0	0.0	36.1

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

Note(s):

Detail may not add to total because of rounding. Agencies (in general) with an annual total of R&D and R&D plant of \$100 million or more. All other agencies includes the Department of Housing and Urban Development, Department of Labor, Department of State, Department of the Treasury, Administrative Office of the U.S. Courts, Appalachian Regional Commission, Consumer Product Safety Commission, Federal Communications Commission, Federal Trade Commission, Library of Congress, National Archives and Records Commission, Nuclear Regulatory Commission, Tennessee Valley Authority, RESTORE Act Centers, U.S. Agency for Global Media, and U.S. Postal Service.

Source(s):

National Center for Science and Engineering Statistics, Federal Funds for Research and Development, Volume 70, FYs 2020–21.

Science and Engineering Indicators