



APPENDIX TABLE 4-23

Federal obligations for R&D and R&D plant, by agency, performer, and type of work: FY 2015

(Millions of current dollars)

Agency	All federal obligations	Federal intramural ^a	Extramural performers							
			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
Total R&D and R&D plant										
All agencies	131,398.2	36,342.2	47,730.8	4,037.5	27,706.9	4,288.1	6,287.5	3,482.0	487.1	1,036.1
Department of Agriculture	2,352.0	1,517.7	38.1	0.0	758.2	0.0	25.7	0.0	8.7	3.6
Department of Commerce	1,519.4	1,131.4	61.7	0.0	269.5	3.4	30.8	6.2	15.0	1.4
Department of Defense	61,683.0	20,327.3	35,860.9	336.4	2,429.1	337.4	521.3	1,240.3	7.9	622.5
Department of Education	251.3	10.7	6.4	0.0	178.1	0.0	56.1	0.0	0.0	0.0
Department of Energy	12,343.0	1,072.9	2,274.0	3,234.7	1,167.6	2,316.7	239.0	2,016.1	20.1	1.9
Department of Health and Human Services	30,425.5	6,789.6	1,519.0	421.7	16,875.4	21.7	4,320.9	25.1	186.0	266.2
Department of Homeland Security	1,645.2	1,247.1	190.7	30.0	71.0	8.3	5.0	81.8	0.0	11.2
Department of the Interior	808.7	692.2	25.6	0.0	59.2	0.0	5.3	0.0	26.0	0.2



Agency	All federal obligations	Federal intramural ^a	Extramural performers							
			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
Department of Justice	149.7	20.4	15.8	0.0	54.6	0.0	45.5	0.0	13.4	0.0
Department of Transportation	884.5	231.1	266.2	0.2	80.4	0.0	48.1	67.2	190.4	0.9
Department of Veterans Affairs	661.6	661.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for International Development	212.2	10.9	32.2	0.0	50.0	0.0	34.2	0.0	0.0	84.9
Environmental Protection Agency	520.7	260.7	190.8	0.5	68.0	0.6	0.0	0.1	0.0	0.2
National Aeronautics and Space Administration	11,413.1	1,831.6	6,784.2	1.0	979.9	1,375.5	399.0	21.6	3.8	16.5
National Science Foundation	5,989.7	115.9	412.4	0.0	4,655.0	220.5	542.9	5.1	15.8	22.1
Smithsonian Institution	229.0	229.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other agencies	309.7	192.2	52.9	13.1	10.9	3.9	13.5	18.6	0.0	4.6
R&D										
All agencies	128,573.2	34,925.1	47,455.2	3,935.8	27,414.7	3,911.7	6,136.2	3,271.4	487.0	1,036.0



Agency	All federal obligations	Federal intramural ^a	Extramural performers							
			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
Agency for International Development	212.2	10.9	32.2	0.0	50.0	0.0	34.2	0.0	0.0	84.9
Environmental Protection Agency	515.6	260.7	185.6	0.5	68.0	0.6	0.0	0.1	0.0	0.2
National Aeronautics and Space Administration	11,360.7	1,818.3	6,758.4	1.0	979.9	1,362.3	399.0	21.6	3.8	16.5
National Science Foundation	5,669.7	89.8	412.3	0.0	4,510.7	220.5	393.5	5.1	15.8	22.0
Smithsonian Institution	195.7	195.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other agencies	309.7	192.2	52.9	13.1	10.9	3.9	13.5	18.6	0.0	4.6
Basic research										
All agencies	31,527.1	5,813.7	2,536.5	507.0	15,295.5	2,920.5	2,985.7	1,200.2	61.2	206.7
Department of Agriculture	924.5	635.4	0.0	0.0	274.7	0.0	11.0	0.0	1.6	1.9
Department of Commerce	232.4	192.3	12.0	0.0	24.7	0.0	3.1	0.0	0.0	0.3
Department of Defense	2,133.4	464.5	383.1	7.4	1,055.8	3.9	163.3	5.3	1.3	48.8



Agency	All federal obligations	Federal intramural ^a	Extramural performers							
			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
National Aeronautics and Space Administration	3,209.7	460.1	942.4	0.9	558.9	956.8	268.0	13.2	2.2	7.2
National Science Foundation	4,973.9	89.4	267.9	0.0	4,041.2	220.5	313.6	5.1	14.6	21.7
Smithsonian Institution	195.7	195.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other agencies	0.2	0.2	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0
Applied research										
All agencies	32,118.2	9,192.8	5,573.8	2,591.0	10,666.6	306.3	2,724.9	416.7	359.1	287.0
Department of Agriculture	1,203.9	673.8	38.1	0.0	470.6	0.0	12.8	0.0	7.0	1.5
Department of Commerce	921.5	653.7	44.2	0.0	177.8	1.3	24.1	6.2	13.2	1.1
Department of Defense	4,558.1	1,696.0	2,022.0	58.4	506.7	72.3	130.5	31.3	0.6	40.4
Department of Education	137.4	6.0	2.4	0.0	102.0	0.0	26.9	0.0	0.0	0.0
Department of Energy	4,181.1	569.9	527.6	2,295.9	193.1	113.7	146.6	326.5	7.5	0.3
Department of Health and Human Services	15,119.9	3,400.7	832.6	202.4	8,261.2	11.0	2,116.0	14.4	140.7	140.8



Agency	All federal obligations	Federal intramural ^a	Extramural performers							
			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
All other agencies	284.2	179.1	42.7	13.1	10.9	3.9	11.3	18.6	0.0	4.6
Development										
All agencies	64,927.8	19,918.5	39,344.9	837.8	1,452.6	684.9	425.6	1,654.5	66.7	542.3
Department of Agriculture	212.7	197.5	0.0	0.0	13.0	0.0	1.8	0.0	0.0	0.3
Department of Commerce	177.4	148.5	5.5	0.0	15.8	2.1	3.6	0.0	1.8	0.0
Department of Defense	54,822.1	18,019.3	33,433.8	270.7	866.6	261.2	227.4	1,203.7	6.0	533.3
Department of Education	91.6	3.5	3.8	0.0	59.5	0.0	24.8	0.0	0.0	0.0
Department of Energy	2,749.5	217.4	1,313.7	557.9	161.2	111.4	62.2	313.1	12.6	0.0
Department of Health and Human Services	75.4	30.3	3.6	0.0	25.3	0.0	11.9	0.0	4.3	0.0
Department of Homeland Security	525.4	251.0	161.2	9.1	20.5	6.4	0.8	68.1	0.0	8.4
Department of the Interior	119.7	102.0	2.8	0.0	10.8	0.0	0.7	0.0	3.5	0.0
Department of Justice	21.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0



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			Business firms	United States and U.S. territories						Foreign
				Industry FFRDCs	Universities and colleges	University FFRDCs	Other nonprofits	Nonprofit FFRDCs	State and local governments	
Environmental Protection Agency	5.1	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	52.4	13.3	25.8	0.0	0.0	13.3	0.0	0.0	0.0	0.0
National Science Foundation	320.0	26.1	0.1	0.0	144.3	0.0	149.5	0.0	0.0	0.1
Smithsonian Institution	33.2	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other agencies	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 included have total annual R&D obligations of \$100 million or more. All other agencies include Department of Housing and Urban Development, Department of Labor, Department of State, Department of the Treasury, Appalachian Regional Commission, Consumer Product Safety Commission, Federal Communications Commission, Federal Trade Commission, Library of Congress, National Archives and Records Administration, Nuclear Regulatory Commission, and Social Security Administration.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FY 2015.

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