TABLE 16

Preliminary federal obligations for research, by agency and performer: FY 2021
(Dollars in thousands)

						Extramura	al				
		Intramural <sup>a</sup>	United States and U.S. territories								
Agency	Total		Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	Foreign	
All agencies	85,155,455.8	20,768,819.0	9,988,426.2	3,579,914.1	34,328,028.2	3,908,169.3	8,871,058.4	2,602,436.7	605,859.2	502,744.5	
Departments											
Department of Agriculture	2,508,959.0	1,618,219.3	4,633.3	0.0	826,908.9	0.0	47,083.4	0.0	8,485.4	3,628.7	
Agricultural Marketing Service	3,500.3	3,500.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Agricultural Research Service	1,428,300.0	1,309,748.8	0.0	0.0	105,701.3	0.0	9,660.3	0.0	201.9	2,987.7	
Animal and Plant Health Inspection Service	21,046.0	14,803.1	0.0	0.0	6,242.9	0.0	0.0	0.0	0.0	0.0	
Economic Research Service	87,000.0	79,901.0	1,753.9	0.0	4,095.9	0.0	1,240.8	0.0	8.4	0.0	
Forest Service	223,240.8	186,230.1	1,386.4	0.0	24,950.8	0.0	4,143.4	0.0	5,889.1	641.0	
National Agricultural Statistics Service	5,172.0	4,764.2	0.0	0.0	78.5	0.0	329.3	0.0	0.0	0.0	
National Institute of Food and Agriculture	737,900.0	19,272.0	1,493.0	0.0	683,039.5	0.0	31,709.5	0.0	2,386.0	0.0	
Rural Business-Cooperative Service	2,800.0	0.0	0.0	0.0	2,800.0	0.0	0.0	0.0	0.0	0.0	
Department of Commerce	1,523,776.8	1,151,997.1	47,319.1	0.0	276,591.0	10,546.2	8,859.8	21,204.5	1,387.0	5,872.0	
National Institute of Standards and Technology	802,072.6	690,486.9	35,813.2	0.0	43,199.0	0.0	5,387.8	21,204.5	113.7	5,867.5	
National Oceanic and Atmospheric Administration	640,393.0	380,199.0	11,505.9	0.0	233,392.0	10,546.2	3,472.0	0.0	1,273.3	4.5	
National Telecommunications and Information Administration	11,180.0	11,180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U.S. Census Bureau	70,131.2	70,131.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Defense	9,249,668.9	2,548,960.4	3,262,827.9	89,739.6	2,535,707.3	81,969.0	435,987.5	180,001.6	1,523.8	112,951.7	
Defense Advanced Research Projects Agency	1,902,952.0	89,463.0	989,560.0	32,318.5	575,355.3	23,497.8	135,834.0	24,020.8	269.1	32,633.6	
Defense Health Agency	199,489.7	42,875.7	46,899.5	0.0	51,988.5	0.0	52,497.0	2,476.1	0.0	2,753.0	
Department of the Air Force	2,325,861.9	1,155,138.3	627,934.7	2,564.4	457,156.7	1,628.2	8,925.6	49,112.7	804.9	22,596.4	
Department of the Army	2,042,788.8	313,912.2	1,009,819.6	1,624.5	526,845.8	15,328.6	87,704.3	65,389.2	0.0	22,164.6	
Department of the Navy	1,859,814.4	644,274.5	354,179.8	10,440.0	690,289.4	1,283.6	114,431.4	14,255.7	449.8	30,210.2	
Other defense agencies	918,762.1	303,296.8	234,434.3	42,792.2	234,071.6	40,230.8	36,595.2	24,747.1	0.0	2,593.9	
Department of Education	261,761.7	8,526.9	16,128.2	0.0	153,531.8	0.0	61,997.6	0.0	21,577.2	0.0	
Department of Energy	11,470,112.1	1,656,948.8	1,473,517.4	2,609,992.4	962,644.3	2,463,470.4	35,278.2	2,221,279.1	46,931.5	50.0	

TABLE 16

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(Dollars in thousands)

						Extramura	al				
		Intramural <sup>a</sup>	United States and U.S. territories								
Agency	Total		Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	Foreign	
Advanced Research Projects Agency—Energy	213,500.0	0.0	80,608.1	8,965.2	88,491.2	7,779.4	13,076.9	14,579.2	0.0	0.0	
Electricity Delivery and Energy Reliability	64,597.0	1,476.7	4,256.9	15,063.0	7,661.2	6,470.0	4,515.3	24,954.3	199.5	0.0	
Energy Efficiency and Renewable Energy	1,276,114.0	0.0	393,030.3	85,258.3	317,054.5	104,004.8	0.0	361,095.6	15,670.6	0.0	
Environmental Management	9,659.0	0.0	2,667.3	2,045.3	4,007.2	500.9	0.0	438.3	0.0	0.0	
Fossil Energy	684,993.0	514,036.0	0.0	18,814.4	124,165.5	11,036.8	0.0	16,940.3	0.0	0.0	
National Nuclear Security Administration	3,469,774.2	550,803.3	729,502.1	2,091,428.1	10,068.6	12,311.0	1,131.0	74,480.1	0.0	50.0	
Defense Programs	3,194,671.9	550,543.3	717,541.8	1,924,555.9	0.0	100.0	681.0	1,250.0	0.0	0.0	
Office of Defense Nuclear Nonproliferation	275,102.3	260.0	11,960.4	166,872.2	10,068.6	12,211.0	450.0	73,230.1	0.0	50.0	
Nuclear Energy	387,473.9	281.4	115,766.4	150,267.4	35,734.9	25,320.2	0.0	60,103.4	0.0	0.0	
Office of Cybersecurity, Energy Security, and Emergency Response	28,662.0	3,857.0	18,000.0	0.0	6,805.0	0.0	0.0	0.0	0.0	0.0	
Office of Science	5,335,339.0	586,494.3	129,686.1	238,150.8	368,656.2	2,296,047.3	16,555.0	1,668,687.9	31,061.4	0.0	
Department of Health and Human Services	43,379,903.1	9,169,706.6	2,288,706.3	843,196.7	23,092,183.4	19,857.3	7,258,802.8	35,043.4	384,586.0	287,820.5	
Administration for Children and Families	3,084.9	35.0	0.0	0.0	0.0	0.0	3,049.9	0.0	0.0	0.0	
Administration for Community Living	72,304.2	0.0	574.8	0.0	54,861.8	0.0	16,495.1	0.0	372.5	0.0	
Agency for Healthcare Research and Quality	308,145.0	48,270.0	131,483.0	0.0	98,720.2	0.0	29,580.0	0.0	91.8	0.0	
Agency for Toxic Substances and Disease Registry	9,602.3	0.0	0.0	0.0	2,102.3	0.0	500.0	0.0	7,000.0	0.0	
Centers for Disease Control and Prevention	487,016.6	113,629.1	62,987.4	0.0	166,493.5	0.0	56,479.5	0.0	47,161.6	40,265.	
Centers for Medicare and Medicaid Services	228,033.2	0.0	0.0	0.0	14,702.8	0.0	0.0	0.0	213,330.3	0.0	
Food and Drug Administration	495,000.0	355,996.2	11,120.8	0.0	80,249.7	0.0	42,011.3	0.0	2,006.7	3,615.2	
Health Resources and Services Administration	33,817.0	5,462.1	0.0	0.0	27,379.9	0.0	975.0	0.0	0.0	0.0	

TABLE 16

Preliminary federal obligations for research, by agency and performer: FY 2021
(Dollars in thousands)

						Extramura	al			
					Unite	d States and U.S. terr	itories			Foreign
Agency	Total	otal Intramural <sup>a</sup>	Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	
National Institutes of Health	41,726,000.0	8,643,564.3	2,078,040.3	843,196.7	22,645,123.1	19,857.3	7,102,612.0	35,043.4	114,623.1	243,939.9
Office of the Secretary of Health and Human Services	16,900.0	2,750.0	4,500.0	0.0	2,550.0	0.0	7,100.0	0.0	0.0	0.0
Office of the Assistant Secretary for Planning and Evaluation	16,900.0	2,750.0	4,500.0	0.0	2,550.0	0.0	7,100.0	0.0	0.0	0.0
Department of Homeland Security	240,429.2	74,947.3	103,615.7	14,382.6	24,389.3	656.4	1,265.0	18,687.7	0.0	2,485.3
Countering Weapons of Mass Destruction Office	25,041.2	4,071.5	6,615.7	1,597.1	8,389.3	656.4	765.0	461.0	0.0	2,485.3
Cybersecurity and Infrastructure Security Agency	8,305.2	793.0	0.0	2,285.5	0.0	0.0	0.0	5,226.7	0.0	0.0
Science and Technology Directorate	204,000.0	67,000.0	97,000.0	10,500.0	16,000.0	0.0	500.0	13,000.0	0.0	0.0
U.S. Coast Guard	3,082.8	3,082.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	735,713.0	634,489.8	13,559.4	0.0	71,132.2	0.0	3,795.5	536.1	11,573.6	626.4
Bureau of Indian Affairs	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0
Bureau of Land Management	12,247.0	5,647.0	259.0	0.0	4,340.0	0.0	835.0	0.0	1,166.0	0.0
Bureau of Ocean Energy Management	65,183.2	51,126.5	5,928.9	0.0	5,938.7	0.0	1,377.2	0.0	599.1	212.9
Bureau of Reclamation	18,000.0	14,700.0	2,000.0	0.0	1,000.0	0.0	300.0	0.0	0.0	0.0
Bureau of Safety and Environmental Enforcement	16,035.8	3,860.5	4,263.4	0.0	6,932.3	0.0	30.0	536.1	0.0	413.5
National Park Service	10,231.0	0.0	27.2	0.0	10,105.9	0.0	97.9	0.0	0.0	0.0
Office of Surface Mining Reclamation and Enforcement	2,161.0	562.1	0.0	0.0	1,598.9	0.0	0.0	0.0	0.0	0.0
U.S. Fish and Wildlife Service	32,650.0	32,650.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	579,205.0	525,943.8	1,081.0	0.0	41,216.4	0.0	1,155.4	0.0	9,808.4	0.0
Department of Justice	86,654.6	5,202.6	6,548.2	0.0	47,570.2	0.0	26,473.9	0.0	859.6	0.0
Bureau of Prisons	1,928.0	1,178.0	0.0	0.0	0.0	0.0	0.0	0.0	750.0	0.0
Federal Bureau of Investigation	948.9	0.0	948.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	83,777.7	4,024.6	5,599.3	0.0	47,570.2	0.0	26,473.9	0.0	109.6	0.0
Department of Labor	4,297.2	3,807.2	490.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Employee Benefits Security Administration	2,256.5	1,766.5	490.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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						Extramura	al			
					Unite	d States and U.S. terr	itories			Foreign
Agency	Total	Intramural <sup>a</sup>	Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	
Occupational Safety and Health Administration	2,040.7	2,040.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	30,000.0	30,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	848,503.4	207,426.4	266,417.9	0.0	217,415.6	1,622.1	44,656.0	3,861.9	106,053.5	1,050.1
Federal Aviation Administration	297,422.6	87,337.2	80,205.8	0.0	99,506.7	0.0	29,212.1	1,160.7	0.0	0.0
Federal Highway Administration	355,765.3	66,460.9	101,844.4	0.0	76,739.0	1,622.1	11,370.6	625.9	97,102.3	0.0
Federal Motor Carrier Safety Administration	11,373.6	3,257.0	4,814.5	0.0	2,175.9	0.0	100.0	1,026.1	0.0	0.0
Federal Railroad Administration	35,543.4	11,905.7	16,705.4	0.0	4,976.1	0.0	906.1	0.0	0.0	1,050.1
Federal Transit Administration	54,000.0	0.0	22,202.7	0.0	19,778.9	0.0	3,067.1	0.0	8,951.2	0.0
National Highway Traffic Safety Administration	65,982.6	10,049.6	40,645.0	0.0	14,238.9	0.0	0.0	1,049.2	0.0	0.0
Office of the Secretary of Transportation	22,800.0	22,800.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	5,616.0	5,616.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	52,466.5	2,018.2	25,453.3	75.0	0.0	0.0	0.0	8,350.0	0.0	16,570.0
Bureau of Engraving and Printing	52,373.3	2,000.0	25,453.3	0.0	0.0	0.0	0.0	8,350.0	0.0	16,570.0
U.S. Mint	93.2	18.2	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	1,657,590.0	1,589,243.3	0.0	0.0	0.0	0.0	0.0	68,346.7	0.0	0.0
Other agencies										
Administrative Office of the U.S. Courts	6,404.3	0.0	0.0	0.0	0.0	0.0	0.0	6,404.3	0.0	0.0
Agency for International Development	134,894.6	16,768.0	12,339.7	0.0	37,223.5	0.0	32,485.9	0.0	0.0	36,077.5
Appalachian Regional Commission	2.5	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Consumer Product Safety Commission	390.6	390.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	404,397.7	203,379.0	146,347.6	0.0	54,671.0	0.0	0.0	0.0	0.0	0.0
Federal Communications Commission	2,625.0	2,625.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	7,496.6	7,496.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	1,216.3	1,216.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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			Extramural									
			United States and U.S. territories									
Agency	Total	Intramural <sup>a</sup>	Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	Foreign		
National Aeronautics and Space Administration	5,297,549.4	1,512,165.2	1,771,618.8	10,483.0	728,941.1	1,062,351.5	172,206.2	20,798.8	2,974.1	16,010.8		
National Science Foundation	6,405,641.9	9,437.2	462,941.9	0.0	5,282,267.6	264,513.3	347,566.7	4,777.7	14,907.6	19,230.0		
Nuclear Regulatory Commission	73,946.1	31,606.4	8,378.5	12,044.8	4,627.6	3,183.2	589.3	13,144.8	0.0	371.5		
Patient-Centered Outcomes Research Trust Fund	390,870.7	0.0	0.0	0.0	0.0	0.0	390,870.7	0.0	0.0	0.0		
RESTORE Act Centers of Excellence Research Grants Program	5,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0	0.0		
Smithsonian Institution	213,560.0	213,560.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Social Security Administration	129,366.1	68,680.8	47,324.4	0.0	10,220.9	0.0	3,140.0	0.0	0.0	0.0		
Tennessee Valley Authority	8,474.9	0.0	8,474.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
U.S. Agency for Global Media	4,777.7	0.0	4,777.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
U.S. Postal Service	19,006.0	0.0	17,006.0	0.0	2,000.0	0.0	0.0	0.0	0.0	0.0		

<sup>\* =</sup> amount greater than \$0 but less than \$50.

FFRDC = federally funded research and development center.

## 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 2021 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.

<sup>&</sup>lt;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.