

TABLE 6

**Preliminary federal obligations for research and experimental development, by agency and type of R&D: FY 2020**

(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Experimental development		
				Total	Advanced technology	Major systems
All agencies	150,884,687.7	41,755,263.7	43,507,176.5	65,622,247.5	na	na
Departments						
Department of Agriculture	2,904,213.9	1,182,931.5	1,506,354.8	214,927.7	na	na
Agricultural Marketing Service	6,952.5	0.0	3,476.3	3,476.3	na	na
Agricultural Research Service	1,414,000.0	707,000.0	565,600.0	141,400.0	na	na
Animal and Plant Health Inspection Service	39,542.0	18,856.0	0.0	20,686.0	na	na
Economic Research Service	85,257.0	0.0	85,257.0	0.0	na	na
Foreign Agricultural Service	500.0	0.0	500.0	0.0	na	na
Forest Service	305,000.0	86,075.5	173,164.4	45,760.1	na	na
National Agricultural Statistics Service	9,013.2	0.0	5,407.9	3,605.3	na	na
National Institute of Food and Agriculture	1,040,000.0	371,000.0	669,000.0	0.0	na	na
Rural Business-Cooperative Service	3,949.2	0.0	3,949.2	0.0	na	na
Department of Commerce	1,621,817.1	261,901.9	1,108,527.7	251,387.5	na	na
National Institute of Standards and Technology	768,393.9	261,901.9	486,034.6	20,457.4	na	na
National Oceanic and Atmospheric Administration	725,405.0	0.0	575,822.0	149,583.0	na	na
National Telecommunications and Information Administration	8,180.0	0.0	8,180.0	0.0	na	na
U.S. Census Bureau	119,838.1	0.0	38,491.0	81,347.1	na	na
Department of Defense	62,461,330.4	2,564,726.7	5,900,212.4	53,996,391.4	7,301,773.5	46,694,617.9
Defense Advanced Research Projects Agency	3,667,188.0	481,562.0	1,513,218.0	1,672,408.0	1,536,893.0	135,515.0
Department of the Air Force	15,621,751.0	503,429.8	1,661,346.3	13,456,974.9	942,258.3	12,514,716.6
Department of the Army	10,754,758.3	550,851.8	1,261,958.7	8,941,947.8	1,498,111.8	7,443,836.0
Department of the Navy	16,787,023.8	637,091.0	909,697.8	15,240,235.0	981,995.9	14,258,239.1
Other defense agencies	15,630,609.3	391,792.1	553,991.6	14,684,825.6	2,342,514.4	12,342,311.1
Department of Education	242,197.6	58,656.1	132,645.0	50,896.5	na	na
Department of Energy	16,136,020.8	5,482,587.4	7,199,120.3	3,454,313.1	na	na
Advanced Research Projects Agency—Energy	425,000.0	0.0	212,500.0	212,500.0	na	na
Electricity Delivery and Energy Reliability	153,869.0	15,404.0	67,881.0	70,584.0	na	na
Energy Efficiency and Renewable Energy	2,566,629.0	0.0	1,546,376.0	1,020,253.0	na	na
Environmental Management	11,569.9	0.0	3,818.1	7,751.8	na	na
Fossil Energy	680,000.0	34,000.0	646,000.0	0.0	na	na
National Nuclear Security Administration	6,319,625.9	106,658.4	4,264,122.2	1,948,845.3	na	na
Defense Programs	4,367,770.0	0.0	4,131,021.0	236,749.0	na	na
Naval Nuclear Propulsion Program	1,648,396.0	0.0	0.0	1,648,396.0	na	na
Office of Defense Nuclear Nonproliferation	303,459.9	106,658.4	133,101.2	63,700.3	na	na
Nuclear Energy	610,550.0	0.0	435,425.1	175,124.9	na	na
Office of Cybersecurity, Energy Security, and Emergency Response	43,857.0	1,605.0	22,998.0	19,254.0	na	na
Office of Science	5,324,920.0	5,324,920.0	0.0	0.0	na	na
Department of Health and Human Services	41,561,685.5	20,477,268.2	20,265,691.5	818,725.8	na	na
Administration for Children and Families	1,575.0	0.0	1,575.0	0.0	na	na
Administration for Community Living	90,217.8	0.0	71,822.2	18,395.6	na	na
Agency for Healthcare Research and Quality	308,145.0	0.0	308,145.0	0.0	na	na

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Agency for Toxic Substances and Disease Registry	7,000.0	0.0	7,000.0	0.0	na	na
Biomedical Advanced Research and Development Authority	747,036.5	0.0	0.0	747,036.5	na	na
Centers for Disease Control and Prevention	405,189.4	87,906.2	263,989.5	53,293.7	na	na
Centers for Medicare and Medicaid Services	136,000.0	0.0	136,000.0	0.0	na	na
Food and Drug Administration	495,000.0	0.0	495,000.0	0.0	na	na
Health Resources and Services Administration	31,521.8	2,362.0	29,159.8	0.0	na	na
National Institutes of Health	39,323,000.0	20,387,000.0	18,936,000.0	0.0	na	na
Office of the Secretary of Health and Human Services	17,000.0	0.0	17,000.0	0.0	na	na
Office of the Assistant Secretary for Planning and Evaluation	17,000.0	0.0	17,000.0	0.0	na	na
Department of Homeland Security	507,723.2	45,280.0	187,657.5	274,785.8	na	na
Countering Weapons of Mass Destruction Office	41,363.9	4,280.0	19,741.5	17,342.4	na	na
Cybersecurity and Infrastructure Security Agency	14,431.0	0.0	14,431.0	0.0	na	na
Science and Technology Directorate	422,000.0	41,000.0	152,000.0	229,000.0	na	na
Transportation Security Administration	22,900.0	0.0	0.0	22,900.0	na	na
U.S. Coast Guard	4,949.0	0.0	1,485.0	3,464.0	na	na
U.S. Secret Service	2,079.4	0.0	0.0	2,079.4	na	na
Department of Housing and Urban Development	88,610.0	57,874.8	30,735.2	0.0	na	na
Department of the Interior	882,691.0	83,937.8	633,996.4	164,756.8	na	na
Bureau of Indian Affairs	5,000.0	0.0	5,000.0	0.0	na	na
Bureau of Land Management	20,755.0	867.0	12,856.0	7,032.0	na	na
Bureau of Ocean Energy Management	96,895.0	0.0	67,232.0	29,663.0	na	na
Bureau of Reclamation	36,350.0	0.0	17,500.0	18,850.0	na	na
Bureau of Safety and Environmental Enforcement	15,485.5	228.4	13,334.8	1,922.3	na	na
National Park Service	10,231.0	865.9	9,365.1	0.0	na	na
Office of Surface Mining Reclamation and Enforcement	510.0	0.0	510.0	0.0	na	na
U.S. Fish and Wildlife Service	32,650.0	0.0	32,650.0	0.0	na	na
U.S. Geological Survey	664,814.5	81,976.6	475,548.5	107,289.5	na	na
Department of Justice	107,018.2	21,652.6	68,905.5	16,460.1	na	na
Bureau of Prisons	7,048.0	0.0	1,276.0	5,772.0	na	na
Federal Bureau of Investigation	1,003.7	0.0	1,003.7	0.0	na	na
Office of Justice Programs	98,966.5	21,652.6	66,625.9	10,688.1	na	na
Department of Labor	4,652.0	0.0	4,652.0	0.0	na	na
Employee Benefits Security Administration	2,895.3	0.0	2,895.3	0.0	na	na
Occupational Safety and Health Administration	1,756.8	0.0	1,756.8	0.0	na	na
Department of State	62,300.0	0.0	62,300.0	0.0	na	na
Department of Transportation	1,335,228.7	0.0	913,281.4	421,947.3	na	na
Federal Aviation Administration	692,146.9	0.0	348,223.5	343,923.4	na	na

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Federal Highway Administration	417,706.8	0.0	391,860.3	25,846.6	na	na
Federal Motor Carrier Safety Administration	11,102.4	0.0	11,102.4	0.0	na	na
Federal Railroad Administration	38,264.0	0.0	32,243.4	6,020.7	na	na
Federal Transit Administration	20,000.0	0.0	20,000.0	0.0	na	na
National Highway Traffic Safety Administration	74,240.7	0.0	74,240.7	0.0	na	na
Office of the Secretary of Transportation	26,957.4	0.0	15,112.7	11,844.7	na	na
Pipeline and Hazardous Materials Safety Administration	54,810.4	0.0	20,498.4	34,312.0	na	na
Department of the Treasury	60,570.4	5,625.1	43,979.2	10,966.1	na	na
Bureau of Engraving and Printing	60,394.8	5,521.0	43,907.7	10,966.1	na	na
U.S. Mint	175.6	104.1	71.5	0.0	na	na
Department of Veterans Affairs	1,602,688.1	668,843.9	901,667.9	32,176.3	na	na
Other agencies						
Administrative Office of the U.S. Courts	7,671.6	0.0	7,671.6	0.0	na	na
Agency for International Development	220,588.2	0.0	171,713.9	48,874.4	na	na
Consumer Product Safety Commission	200.0	0.0	200.0	0.0	na	na
Environmental Protection Agency	488,501.0	0.0	411,906.4	76,594.6	na	na
Federal Communications Commission	1,800.0	0.0	1,800.0	0.0	na	na
Federal Trade Commission	7,324.8	0.0	7,324.8	0.0	na	na
Library of Congress	2,731.2	0.0	1,114.3	1,616.9	na	na
National Aeronautics and Space Administration	13,400,404.7	5,259,592.0	2,355,696.2	5,785,116.6	na	na
National Science Foundation	6,156,565.0	5,342,150.0	814,415.0	0.0	na	na
Nuclear Regulatory Commission	65,286.1	795.7	64,490.4	0.0	na	na
Patient-Centered Outcomes Research Trust Fund	540,670.0	0.0	540,670.0	0.0	na	na
Smithsonian Institution	241,440.0	241,440.0	0.0	0.0	na	na
Social Security Administration	131,774.0	0.0	131,774.0	0.0	na	na
Tennessee Valley Authority	8,191.0	0.0	5,880.0	2,311.0	na	na
U.S. Agency for Global Media	6,198.0	0.0	6,198.0	0.0	na	na
U.S. Postal Service	26,595.0	0.0	26,595.0	0.0	na	na

na = not applicable; data were not collected at this level of detail for this agency or subagency.

**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. FY 2020 preliminary data do not include obligations from 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 2019–20.