

TABLE 95

**Federal obligations for research and experimental development to intramural performers for personnel costs, by agency: FYs 2020–21**

(Dollars in thousands)

Agency	Total intramural R&D (2020)	Personnel costs (2020)		Total intramural R&D (2021)	Personnel costs (2021)	
		Amount	% of total		Amount	% of total
All agencies	51,471,719.7	11,212,545.0	21.8	64,209,097.0	11,382,617.8	17.7
Departments						
Department of Agriculture	1,689,762.7	248,252.8	14.7	1,827,880.4	243,320.7	13.3
Agricultural Marketing Service	6,952.5	5,214.4	75.0	7,000.5	5,250.4	75.0
Agricultural Research Service	1,247,897.3	661.6	0.1	1,455,276.4	719.3	**
Animal and Plant Health Inspection Service	27,618.9	13,257.1	48.0	29,775.7	14,292.4	48.0
Economic Research Service	74,618.9	31,324.9	42.0	79,901.0	31,324.9	39.2
Forest Service	305,000.0	184,000.0	60.3	227,904.3	177,000.0	77.7
National Agricultural Statistics Service	8,404.1	7,371.1	87.7	8,750.5	8,309.8	95.0
National Institute of Food and Agriculture	19,271.0	6,423.7	33.3	19,272.0	6,424.0	33.3
Department of Commerce	1,193,045.0	646,234.1	54.2	1,298,258.7	710,124.2	54.7
National Institute of Standards and Technology	622,090.9	401,377.0	64.5	711,024.9	426,002.5	59.9
National Oceanic and Atmospheric Administration	452,145.1	189,605.0	41.9	455,584.0	221,070.8	48.5
National Telecommunications and Information Administration	7,692.0	5,080.0	66.0	11,180.0	7,250.0	64.8
U.S. Census Bureau	111,117.0	50,172.0	45.2	120,469.8	55,800.9	46.3
Department of Defense	22,666,621.0	3,787,944.2	16.7	23,153,286.0	3,711,694.1	16.0
Defense Advanced Research Projects Agency	317,301.9	231,336.0	72.9	312,921.7	233,964.0	74.8
Defense Health Agency	1,097,611.0	31,116.7	2.8	715,879.1	31,739.1	4.4
Department of the Air Force	4,675,672.9	1,438,235.4	30.8	4,668,154.0	1,212,881.6	26.0
Department of the Army	3,447,660.9	541,428.0	15.7	3,916,765.7	600,441.7	15.3
Department of the Navy	7,339,132.0	266,399.1	3.6	7,463,847.9	214,701.8	2.9
U.S. Space Force	134,756.4	36,699.2	27.2	217,870.0	42,940.3	19.7
Other defense agencies	5,654,486.0	1,242,729.8	22.0	5,857,847.6	1,375,025.7	23.5
Department of Education	10,516.9	7,539.2	71.7	11,299.1	8,056.3	71.3
Department of Energy	871,779.6	281,729.0	32.3	1,784,764.5	319,779.6	17.9
Electricity Delivery and Energy Reliability	3,195.7	2,396.7	75.0	3,057.8	2,293.3	75.0
Fossil Energy	411,610.4	137,203.5	33.3	514,036.0	171,345.3	33.3
National Nuclear Security Administration	234,579.4	280.9	0.1	675,327.4	103.9	**
Defense Programs	172,203.9	*	**	623,118.7	*	**
Naval Nuclear Propulsion Program	50,314.7	100.0	0.2	51,948.7	100.0	0.2
Office of Defense Nuclear Nonproliferation	12,060.8	180.9	1.5	260.0	3.9	1.5
Nuclear Energy	2,251.8	2.0	0.1	328.0	2.0	0.6
Office of Cybersecurity, Energy Security, and Emergency Response	14,121.5	1,484.2	10.5	5,521.0	3,790.0	68.6
Office of Science	206,020.8	140,361.7	68.1	586,494.3	142,245.0	24.3
Department of Health and Human Services	19,300,321.2	2,729,789.7	14.1	30,267,944.7	2,843,180.5	9.4
Administration for Children and Families	575.0	3.1	0.5	35.0	3.1	8.9
Agency for Healthcare Research and Quality	76,783.1	40,440.9	52.7	48,270.0	45.0	0.1
Biomedical Advanced Research and Development Authority	9,929,976.9	110,000.0	1.1	21,092,118.4	140,000.0	0.7
Centers for Disease Control and Prevention	113,045.7	63,807.1	56.4	119,748.7	64,978.7	54.3
Food and Drug Administration	333,666.7	1,072.9	0.3	355,996.2	1,144.7	0.3

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Health Resources and Services Administration	4,918.9	3,455.8	70.3	5,462.1	3,999.0	73.2
National Institutes of Health	8,838,596.9	2,511,000.0	28.4	8,643,564.3	2,633,000.0	30.5
Office of the Secretary of Health and Human Services	2,758.0	10.0	0.4	2,750.0	10.0	0.4
Office of the Assistant Secretary for Planning and Evaluation	2,758.0	10.0	0.4	2,750.0	10.0	0.4
Department of Homeland Security	132,858.2	26,738.0	20.1	144,761.5	28,743.0	19.9
Countering Weapons of Mass Destruction Office	2,741.3	1,700.0	62.0	5,692.5	2,750.0	48.3
Cybersecurity and Infrastructure Security Agency	0.0	0.0	0.0	793.0	793.0	100.0
Science and Technology Directorate	125,189.7	25,037.9	20.0	128,000.0	25,200.0	19.7
U.S. Coast Guard	4,927.2	*	**	10,276.0	*	**
Department of the Interior	719,604.3	466,574.7	64.8	751,878.6	491,268.5	65.3
Bureau of Land Management	11,115.0	3,350.0	30.1	7,412.0	2,230.0	30.1
Bureau of Ocean Energy Management	53,731.3	27,139.0	50.5	65,076.0	34,467.8	53.0
Bureau of Reclamation	17,570.7	3,989.3	22.7	16,000.0	4,100.0	25.6
Bureau of Safety and Environmental Enforcement	3,633.9	1,166.9	32.1	4,851.3	2,223.9	45.8
Office of Surface Mining Reclamation and Enforcement	562.0	541.5	96.4	562.1	541.6	96.4
U.S. Fish and Wildlife Service	32,650.0	13,713.0	42.0	32,650.0	13,713.0	42.0
U.S. Geological Survey	600,341.4	416,675.0	69.4	625,327.2	433,992.1	69.4
Department of Justice	10,901.7	2,671.3	24.5	8,588.9	2,730.4	31.8
Bureau of Prisons	2,660.0	2,500.4	94.0	2,713.0	2,550.2	94.0
Office of Justice Programs	8,241.7	170.9	2.1	5,875.9	180.2	3.1
Department of Labor	3,791.3	3,781.3	99.7	3,807.2	3,797.2	99.7
Employee Benefits Security Administration	1,788.7	1,778.7	99.4	1,766.5	1,756.5	99.4
Occupational Safety and Health Administration	2,002.7	2,002.7	100.0	2,040.7	2,040.7	100.0
Department of State	40,000.0	40,000.0	100.0	43,000.0	43,000.0	100.0
Department of Transportation	222,010.7	96,528.4	43.5	258,280.3	116,009.8	44.9
Federal Aviation Administration	85,678.0	46,598.6	54.4	110,754.2	60,422.7	54.6
Federal Highway Administration	71,850.6	22,516.2	31.3	70,679.9	22,309.8	31.6
Federal Motor Carrier Safety Administration	5,893.8	2,811.1	47.7	3,257.0	2,972.0	91.2
Federal Railroad Administration	12,034.2	3,567.4	29.6	15,104.6	4,243.0	28.1
National Highway Traffic Safety Administration	10,089.3	10,089.3	100.0	10,049.6	10,049.6	100.0
Office of the Secretary of Transportation	26,215.0	9,036.8	34.5	40,956.0	14,103.8	34.4
Pipeline and Hazardous Materials Safety Administration	10,249.8	1,909.0	18.6	7,479.0	1,909.0	25.5
Department of the Treasury	2,522.2	1,955.9	77.5	2,018.2	2,018.2	100.0
Bureau of Engraving and Printing	2,400.0	1,900.0	79.2	2,000.0	2,000.0	100.0
U.S. Mint	122.2	55.9	45.7	18.2	18.2	100.0
Department of Veterans Affairs	1,494,953.2	1,057,440.0	70.7	1,621,050.0	1,112,524.0	68.6
Other agencies						
Agency for International Development	19,743.0	390.4	2.0	19,743.0	390.4	2.0

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Consumer Product Safety Commission	385.0	89.3	23.2	390.6	83.9	21.5
Environmental Protection Agency	244,436.0	239,938.0	98.2	262,410.0	259,760.0	99.0
Federal Communications Commission	1,800.0	1,800.0	100.0	2,625.0	2,625.0	100.0
Federal Trade Commission	5,974.3	3,916.7	65.6	7,496.6	4,914.7	65.6
Library of Congress	2,821.2	1,386.1	49.1	2,685.8	1,360.9	50.7
National Aeronautics and Space Administration	2,551,866.9	1,409,541.4	55.2	2,413,643.5	1,273,855.1	52.8
National Science Foundation	9,357.9	*	**	9,437.2	*	**
Nuclear Regulatory Commission	29,671.8	19,744.2	66.5	31,606.4	22,124.5	70.0
Smithsonian Institution	209,760.0	101,344.8	48.3	213,560.0	112,576.0	52.7
Social Security Administration	37,215.6	37,215.6	100.0	68,680.8	68,680.8	100.0

\* = amount greater than \$0 but less than \$50. \*\* = percentage greater than 0.00% but less than 0.05%.

**Note(s):**

Because of rounding, detail may not add to total. 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. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. Federal intramural amounts for the Biomedical Advanced Research and Development Authority are transfers to the other agencies in support of Operation Warp Speed. FYs 2020 and 2021 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act).

**Source(s):**

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