

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Alabama	4,716,401.1	1,482,942.4	2,902,147.1	0.0	302,441.3	0.0	22,763.7	0.0	6,106.6
Department of Agriculture	20,511.6	8,172.7	0.0	0.0	12,146.5	0.0	0.0	0.0	192.4
Department of Commerce	710.0	0.0	0.0	0.0	607.0	0.0	103.0	0.0	0.0
Department of Defense, research	90,945.1	31,576.8	52,658.6	0.0	6,709.5	0.0	0.1	0.0	0.0
Department of Defense, total development ^b	3,322,813.5	1,240,824.4	2,065,526.8	0.0	11,652.3	0.0	4,514.0	0.0	296.0
Department of Energy	19,171.5	0.0	14,752.6	0.0	3,735.0	0.0	683.9	0.0	0.0
Department of Health and Human Services	236,919.8	0.0	5,152.6	0.0	214,089.1	0.0	16,630.7	0.0	1,047.4
Department of Homeland Security	2,224.5	0.0	2,003.9	0.0	220.6	0.0	0.0	0.0	0.0
Department of the Interior	3,371.9	3,017.1	0.0	0.0	227.5	0.0	14.9	0.0	112.3
Department of Transportation	11,332.4	2,912.1	3,013.2	0.0	950.8	0.0	0.0	0.0	4,456.3
Environmental Protection Agency	83.1	0.0	83.1	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	979,065.9	196,439.4	757,542.4	0.0	24,584.2	0.0	497.7	0.0	2.1
National Science Foundation	29,251.8	0.0	1,413.9	0.0	27,518.8	0.0	319.2	0.0	0.0
Alaska	185,467.5	77,460.3	35,366.9	0.0	62,579.8	0.0	3,822.5	0.0	6,237.9
Department of Agriculture	10,577.6	8,309.6	0.0	0.0	2,258.0	0.0	0.0	0.0	10.0
Department of Commerce	4,876.1	1,848.6	0.0	0.0	2,707.2	0.0	320.3	0.0	0.0
Department of Defense, research	5,832.7	485.4	4,905.0	0.0	369.3	0.0	72.9	0.0	0.0
Department of Defense, total development ^b	51,462.8	28,296.9	22,192.8	0.0	735.0	0.0	238.0	0.0	0.0
Department of Energy	4,187.2	0.0	141.6	0.0	2,582.8	0.0	0.0	0.0	1,462.8
Department of Health and Human Services	9,024.8	165.2	0.0	0.0	6,993.8	0.0	1,006.7	0.0	859.0
Department of Homeland Security	38.3	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	52,415.6	38,295.9	4,549.0	0.0	6,835.9	0.0	63.9	0.0	2,670.9
Department of Transportation	1,104.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,104.2
National Aeronautics and Space Administration	16,155.9	58.7	2,727.7	0.0	13,112.3	0.0	257.2	0.0	0.0
National Science Foundation	29,792.4	0.0	812.4	0.0	26,985.5	0.0	1,863.4	0.0	131.1
Arizona	2,369,256.1	311,242.1	1,582,777.4	0.0	361,440.2	33,000.0	70,405.2	0.0	10,391.3
Department of Agriculture	22,748.2	18,493.0	0.0	0.0	4,237.0	0.0	1.0	0.0	17.2
Department of Commerce	3,397.3	410.0	0.0	0.0	2,977.3	0.0	10.0	0.0	0.0
Department of Defense, research	54,630.3	1,791.4	21,413.2	0.0	31,126.8	0.0	299.0	0.0	0.0
Department of Defense, total development ^b	1,756,156.5	203,827.3	1,532,995.1	0.0	13,134.2	0.0	54.0	0.0	6,145.9
Department of Energy	13,209.8	0.0	4,560.8	0.0	8,649.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	198,325.9	5,347.4	8,229.1	0.0	124,183.3	0.0	59,754.4	0.0	811.7
Department of Homeland Security	34,406.8	30,745.7	964.5	0.0	2,696.6	0.0	0.0	0.0	0.0
Department of the Interior	45,100.2	41,133.0	49.2	0.0	3,569.5	0.0	0.0	0.0	348.5
Department of Transportation	11,182.6	2,122.6	3,630.4	0.0	367.4	0.0	2,036.1	0.0	3,026.1
Environmental Protection Agency	20.7	0.0	0.0	0.0	20.7	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	91,981.5	7,371.7	9,098.2	0.0	68,240.8	0.0	7,270.8	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
National Science Foundation	138,096.2	0.0	1,836.7	0.0	102,237.6	33,000.0	980.0	0.0	41.9
Arkansas	167,347.8	14,176.4	73,153.9	0.0	61,837.1	0.0	11,570.7	0.0	6,609.8
Department of Agriculture	26,941.9	12,011.4	0.0	0.0	8,254.5	0.0	6,676.0	0.0	0.0
Department of Commerce	245.2	0.0	0.0	0.0	245.2	0.0	0.0	0.0	0.0
Department of Defense, research	3,315.5	64.7	1,584.8	0.0	1,665.0	0.0	1.0	0.0	0.0
Department of Defense, total development ^b	68,780.2	1,657.0	67,123.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	1,692.7	0.0	1,292.7	0.0	400.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	49,760.4	0.0	1,526.5	0.0	42,734.9	0.0	4,893.7	0.0	605.4
Department of the Interior	502.6	443.3	0.0	0.0	0.0	0.0	0.0	0.0	59.3
Department of Transportation	1,654.5	0.0	2.2	0.0	0.0	0.0	0.0	0.0	1,652.3
Environmental Protection Agency	165.4	0.0	0.0	0.0	165.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	741.3	0.0	336.5	0.0	404.8	0.0	0.0	0.0	0.0
National Science Foundation	13,548.1	0.0	1,288.0	0.0	7,967.4	0.0	0.0	0.0	4,292.8
California	16,180,809.6	1,961,972.2	6,201,640.4	1,002,945.5	3,705,383.5	2,233,104.3	825,880.2	224,565.9	25,317.7
Department of Agriculture	114,637.7	84,961.0	50.0	0.0	29,096.2	0.0	378.8	0.0	151.6
Department of Commerce	16,548.9	78.3	1,943.1	0.0	12,551.8	0.0	1,875.8	0.0	99.9
Department of Defense, research	746,108.6	134,135.4	254,026.7	16,041.9	285,712.7	7,678.2	42,956.8	5,556.9	0.0
Department of Defense, total development ^b	6,068,854.9	1,499,109.5	4,235,640.1	37,347.8	36,873.6	36,189.0	16,277.6	205,863.3	1,554.0
Department of Energy	2,084,120.2	3,294.8	136,527.3	937,545.8	131,225.7	866,781.8	2,039.2	0.0	6,705.5
Department of Health and Human Services	3,399,333.3	*	193,666.7	2,268.2	2,490,582.2	27,597.2	679,532.8	0.0	5,686.2
Department of Homeland Security	46,815.9	5,692.9	24,197.6	9,630.6	6,633.9	660.9	0.0	0.0	0.0
Department of the Interior	57,221.0	50,997.0	1,493.9	0.0	4,047.3	0.0	357.9	0.0	324.9
Department of Transportation	28,330.7	3,792.3	12,612.7	0.0	2,176.6	0.0	518.7	0.0	9,230.5
Environmental Protection Agency	18,100.3	271.2	9,681.4	0.0	7,697.7	450.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,922,202.8	176,640.3	1,290,364.2	111.2	123,840.1	1,293,547.3	23,408.9	12,725.8	1,565.0
National Science Foundation	678,535.3	2,999.4	41,436.6	0.0	574,945.6	200.0	58,533.7	420.0	0.0
Colorado	3,394,037.0	353,030.8	2,000,668.1	0.0	535,427.8	120,913.6	82,988.8	293,246.1	7,761.8
Department of Agriculture	54,677.7	40,212.5	44.6	0.0	13,789.4	0.0	185.8	0.0	445.2
Department of Commerce	157,596.9	128,124.1	2,654.8	0.0	19,501.8	6,639.2	677.0	0.0	0.0
Department of Defense, research	45,921.9	7,136.0	20,397.5	0.0	17,868.0	348.5	171.8	0.0	0.0
Department of Defense, total development ^b	755,253.1	104,544.9	627,027.5	0.0	17,745.3	3,589.2	0.0	1,586.7	759.5
Department of Energy	359,183.4	20,323.0	18,675.5	0.0	22,355.1	0.0	6,016.4	291,440.8	372.5
Department of Health and Human Services	334,943.6	0.0	23,266.5	0.0	274,848.7	949.4	30,279.6	0.0	5,599.4
Department of Homeland Security	2,900.6	105.2	1,135.2	0.0	1,441.7	0.0	0.0	218.5	0.0
Department of the Interior	46,213.8	40,724.8	863.1	0.0	4,534.2	0.0	91.6	0.0	0.0
Department of Transportation	17,183.9	1,573.0	14,914.4	0.0	103.1	0.0	8.2	0.0	585.2
Environmental Protection Agency	14,054.8	406.8	12,348.3	0.0	1,299.7	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
National Aeronautics and Space Administration	1,360,077.9	8,920.2	1,273,342.4	0.0	61,835.0	14,039.8	1,940.5	0.0	0.0
National Science Foundation	246,029.5	960.2	5,998.2	0.0	100,105.7	95,347.6	43,617.9	0.0	0.0
Connecticut	2,516,607.6	4,633.9	1,972,467.5	0.0	510,057.0	0.0	24,606.3	0.0	4,842.8
Department of Agriculture	5,259.9	1,942.4	0.0	0.0	2,149.0	0.0	17.5	0.0	1,151.0
Department of Commerce	967.0	0.0	2.0	0.0	925.0	0.0	40.0	0.0	0.0
Department of Defense, research	55,661.7	321.1	35,805.7	0.0	18,712.1	0.0	822.8	0.0	0.0
Department of Defense, total development ^b	1,784,669.6	1,301.8	1,780,942.9	0.0	616.0	0.0	1,791.8	0.0	17.1
Department of Energy	25,175.0	0.0	13,427.4	0.0	11,747.6	0.0	0.0	0.0	0.0
Department of Health and Human Services	457,606.8	0.0	8,346.0	0.0	424,886.8	0.0	21,345.5	0.0	3,028.4
Department of Homeland Security	10,090.0	578.3	9,511.7	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	451.4	451.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	11,200.1	0.0	10,649.8	0.0	60.0	0.0	0.0	0.0	490.3
Environmental Protection Agency	237.9	0.0	237.9	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	114,845.4	39.0	111,510.6	0.0	3,295.8	0.0	0.0	0.0	0.0
National Science Foundation	50,442.8	0.0	2,033.5	0.0	47,664.7	0.0	588.7	0.0	156.0
Delaware	112,267.8	4,346.2	15,373.6	0.0	85,106.4	0.0	6,732.6	0.0	708.9
Department of Agriculture	9,571.7	2,002.3	0.0	0.0	7,569.3	0.0	0.0	0.0	0.0
Department of Commerce	3,659.4	0.0	20.0	0.0	3,448.4	0.0	191.0	0.0	0.0
Department of Defense, research	10,587.4	699.1	1,674.8	0.0	8,213.5	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	5,118.8	405.6	3,721.2	0.0	992.0	0.0	0.0	0.0	0.0
Department of Energy	8,594.2	0.0	3,128.1	0.0	5,466.1	0.0	0.0	0.0	0.0
Department of Health and Human Services	31,292.3	0.0	1,775.3	0.0	23,860.0	0.0	5,657.1	0.0	0.0
Department of Homeland Security	492.6	0.0	492.6	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	1,404.8	1,239.1	0.0	0.0	165.7	0.0	0.0	0.0	0.0
Department of Transportation	942.0	0.0	1.4	0.0	231.7	0.0	0.0	0.0	708.9
Environmental Protection Agency	171.9	0.0	150.3	0.0	21.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	5,802.7	0.0	3,752.3	0.0	2,050.5	0.0	0.0	0.0	0.0
National Science Foundation	34,630.1	0.0	657.7	0.0	33,087.8	0.0	884.6	0.0	0.0
District of Columbia	3,908,128.4	2,892,667.1	522,812.9	0.0	206,308.9	0.0	278,800.4	3,617.5	3,921.7
Department of Agriculture	297,259.8	277,996.4	16,859.0	0.0	875.3	0.0	1,407.9	0.0	121.2
Department of Commerce	28,963.3	24,660.3	1,483.7	0.0	2,416.7	0.0	402.5	0.0	0.0
Department of Defense, research	390,291.2	319,202.7	54,641.7	0.0	11,120.1	0.0	5,173.0	0.0	153.7
Department of Defense, total development ^b	2,367,775.1	1,978,157.9	373,162.0	0.0	9,605.7	0.0	4,566.7	0.0	2,282.8
Department of Energy	136,313.4	118,803.5	8,553.0	0.0	1,637.1	0.0	7,319.8	0.0	0.0
Department of Health and Human Services	211,607.6	6,614.9	10,746.7	0.0	137,955.9	0.0	55,512.4	0.0	777.7
Department of Homeland Security	8,537.0	2,520.5	3,791.7	0.0	739.0	0.0	1,485.8	0.0	0.0
Department of the Interior	2,758.3	1,931.2	599.3	0.0	23.0	0.0	204.9	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Transportation	138,041.0	91,672.1	37,532.2	0.0	1,485.5	0.0	6,764.8	0.0	586.3
Environmental Protection Agency	49,141.5	24,407.1	11,473.1	0.0	13,261.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	64,497.1	41,230.7	1,222.3	0.0	7,987.2	0.0	14,056.8	0.0	0.0
National Science Foundation	212,943.2	5,469.7	2,748.1	0.0	19,202.0	0.0	181,905.8	3,617.5	0.0
Florida	2,282,028.9	716,644.0	846,653.0	0.0	583,055.3	0.0	125,173.4	0.0	10,503.2
Department of Agriculture	56,572.9	35,856.2	0.0	0.0	20,432.0	0.0	0.0	0.0	284.7
Department of Commerce	28,194.2	17,472.8	371.7	0.0	8,535.6	0.0	1,071.4	0.0	742.7
Department of Defense, research	159,399.7	65,878.1	39,133.2	0.0	49,280.7	0.0	5,107.6	0.0	0.0
Department of Defense, total development ^b	1,262,010.7	519,962.6	727,105.2	0.0	14,573.9	0.0	369.0	0.0	0.0
Department of Energy	20,373.7	75.2	6,012.4	0.0	14,286.1	0.0	0.0	0.0	0.0
Department of Health and Human Services	445,239.4	0.0	14,880.1	0.0	331,269.3	0.0	97,525.0	0.0	1,565.0
Department of Homeland Security	1,146.9	23.7	1,123.2	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	10,068.4	9,170.9	150.0	0.0	474.5	0.0	79.8	0.0	193.2
Department of Transportation	29,130.7	444.8	14,987.0	0.0	2,891.0	0.0	3,140.4	0.0	7,667.6
Environmental Protection Agency	13,210.1	8,407.1	929.8	0.0	3,873.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	128,086.3	59,352.7	39,116.0	0.0	13,030.8	0.0	16,536.8	0.0	50.0
National Science Foundation	128,596.1	0.0	2,844.5	0.0	124,408.1	0.0	1,343.4	0.0	0.0
Georgia	1,129,956.4	193,773.6	239,598.4	0.0	667,439.9	0.0	15,055.8	0.0	14,088.8
Department of Agriculture	60,800.9	46,265.5	0.0	0.0	13,897.1	0.0	55.0	0.0	583.3
Department of Commerce	3,251.1	0.0	0.0	0.0	3,206.1	0.0	0.0	0.0	45.0
Department of Defense, research	56,765.4	7,713.5	7,505.5	0.0	37,835.2	0.0	3,711.3	0.0	0.0
Department of Defense, total development ^b	266,474.2	78,276.3	170,667.5	0.0	16,037.9	0.0	1,492.4	0.0	0.0
Department of Energy	24,685.2	0.0	2,843.5	0.0	15,281.4	0.0	6,560.3	0.0	0.0
Department of Health and Human Services	528,659.0	44,148.2	30,986.9	0.0	447,860.5	0.0	1,568.0	0.0	4,095.3
Department of Homeland Security	925.5	467.6	412.9	0.0	45.0	0.0	0.0	0.0	0.0
Department of the Interior	3,575.9	3,280.2	0.0	0.0	295.7	0.0	0.0	0.0	0.0
Department of Transportation	35,073.6	4,978.8	7,604.3	0.0	12,439.4	0.0	685.8	0.0	9,365.3
Environmental Protection Agency	13,194.7	8,000.3	803.4	0.0	4,391.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	28,484.6	643.3	15,312.3	0.0	12,529.0	0.0	0.0	0.0	0.0
National Science Foundation	108,066.5	0.0	3,461.9	0.0	103,621.7	0.0	983.0	0.0	0.0
Hawaii	347,960.8	83,623.6	105,467.2	0.0	144,489.2	0.0	13,268.3	0.0	1,112.5
Department of Agriculture	21,178.8	11,412.6	0.0	0.0	8,635.1	0.0	1,122.2	0.0	8.9
Department of Commerce	3,615.6	2,031.2	0.0	0.0	1,352.2	0.0	232.2	0.0	0.0
Department of Defense, research	74,428.6	3,934.2	38,296.0	0.0	24,233.1	0.0	7,946.8	0.0	18.5
Department of Defense, total development ^b	113,560.2	41,118.1	57,671.7	0.0	14,768.0	0.0	2.5	0.0	0.0
Department of Energy	3,742.0	0.0	431.3	0.0	3,310.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	43,484.1	0.0	2,143.3	0.0	37,941.0	0.0	2,716.8	0.0	683.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Homeland Security	1,911.6	0.0	628.8	0.0	1,282.8	0.0	0.0	0.0	0.0
Department of the Interior	26,142.9	24,207.0	0.0	0.0	1,935.8	0.0	0.0	0.0	0.0
Department of Transportation	401.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401.5
National Aeronautics and Space Administration	21,823.1	920.5	3,990.6	0.0	16,894.2	0.0	17.3	0.0	0.6
National Science Foundation	37,672.4	0.0	2,305.5	0.0	34,136.5	0.0	1,230.4	0.0	0.0
Idaho	380,813.6	40,689.9	79,656.1	217,882.1	40,547.3	0.0	1,132.3	0.0	905.9
Department of Agriculture	25,063.4	17,350.7	0.0	0.0	7,712.7	0.0	0.0	0.0	0.0
Department of Commerce	564.0	340.0	0.0	0.0	224.0	0.0	0.0	0.0	0.0
Department of Defense, research	2,925.0	50.7	1,296.9	0.0	1,577.3	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	27,716.7	7,933.6	17,661.5	1,226.6	895.0	0.0	0.0	0.0	0.0
Department of Energy	276,665.3	1.0	58,148.7	216,655.4	1,260.1	0.0	600.0	0.0	0.0
Department of Health and Human Services	7,671.8	0.0	1,043.9	0.0	6,383.1	0.0	244.8	0.0	0.0
Department of Homeland Security	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	16,559.9	15,013.9	9.0	0.0	1,197.5	0.0	287.5	0.0	52.0
Department of Transportation	935.8	0.0	1.1	0.0	182.7	0.0	0.0	0.0	752.0
National Aeronautics and Space Administration	1,432.7	0.0	313.3	0.0	1,119.5	0.0	0.0	0.0	0.0
National Science Foundation	21,277.3	0.0	1,180.1	0.0	19,995.4	0.0	0.0	0.0	101.8
Illinois	2,327,485.7	155,946.4	203,198.0	0.0	1,060,419.5	806,643.9	91,840.3	0.0	9,437.5
Department of Agriculture	50,479.4	39,697.4	1,033.1	0.0	9,681.4	0.0	67.5	0.0	0.0
Department of Commerce	2,408.3	0.0	140.9	0.0	2,267.4	0.0	0.0	0.0	0.0
Department of Defense, research	85,328.8	20,100.5	8,619.7	0.0	55,798.8	672.2	137.7	0.0	0.0
Department of Defense, total development ^b	145,155.3	68,772.7	73,531.0	0.0	1,083.1	1,218.1	0.3	0.0	550.0
Department of Energy	871,008.1	322.1	18,868.5	0.0	51,379.2	797,572.1	2,866.3	0.0	0.0
Department of Health and Human Services	791,884.7	0.0	27,444.3	0.0	685,316.0	6,751.1	70,868.7	0.0	1,504.6
Department of Homeland Security	1,851.5	132.8	3.7	0.0	1,284.5	430.4	0.0	0.0	0.0
Department of the Interior	17,934.4	16,943.6	0.0	0.0	912.8	0.0	78.0	0.0	0.0
Department of Transportation	37,038.7	7,315.1	14,442.8	0.0	1,766.8	0.0	6,131.1	0.0	7,382.9
Environmental Protection Agency	9,801.4	271.2	7,012.2	0.0	2,518.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	57,279.3	2,391.0	45,162.0	0.0	9,536.7	0.0	189.6	0.0	0.0
National Science Foundation	257,315.8	0.0	6,939.8	0.0	238,874.9	0.0	11,501.1	0.0	0.0
Indiana	692,598.2	138,791.1	166,419.7	0.0	378,138.5	0.0	2,493.1	0.0	6,755.9
Department of Agriculture	18,781.7	6,390.2	0.0	0.0	12,330.5	0.0	0.0	0.0	61.0
Department of Commerce	1,882.3	0.0	0.0	0.0	1,882.3	0.0	0.0	0.0	0.0
Department of Defense, research	37,648.6	5,676.2	10,173.9	0.0	21,798.5	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	247,498.6	119,894.4	124,935.2	0.0	2,525.5	0.0	0.0	0.0	143.5
Department of Energy	20,229.3	0.0	21.2	0.0	20,208.1	0.0	0.0	0.0	0.0
Department of Health and Human Services	190,710.9	0.0	9,067.4	0.0	179,247.1	0.0	1,469.6	0.0	926.8

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Homeland Security	4,551.8	0.0	373.2	0.0	4,178.6	0.0	0.0	0.0	0.0
Department of the Interior	4,369.3	3,938.2	0.0	0.0	380.4	0.0	0.0	0.0	50.7
Department of Transportation	26,785.4	2,712.1	12,184.5	0.0	6,314.8	0.0	0.0	0.0	5,573.9
Environmental Protection Agency	606.8	0.0	585.2	0.0	21.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	13,980.8	180.0	7,506.9	0.0	6,283.9	0.0	10.0	0.0	0.0
National Science Foundation	125,552.8	0.0	1,572.1	0.0	122,967.2	0.0	1,013.5	0.0	0.0
Iowa	560,471.1	56,070.2	197,170.5	0.0	265,550.2	24,806.7	12,812.6	0.0	4,061.0
Department of Agriculture	69,170.3	48,186.0	0.0	0.0	20,934.3	0.0	50.0	0.0	0.0
Department of Commerce	679.5	0.0	57.5	0.0	622.0	0.0	0.0	0.0	0.0
Department of Defense, research	22,842.7	112.3	14,373.2	0.0	8,346.3	0.0	11.0	0.0	0.0
Department of Defense, total development ^b	180,020.0	5,134.6	172,220.4	0.0	2,665.1	0.0	0.0	0.0	0.0
Department of Energy	43,119.6	0.0	149.6	0.0	6,164.8	24,806.7	11,998.5	0.0	0.0
Department of Health and Human Services	181,612.9	0.0	3,435.8	0.0	176,675.6	0.0	747.6	0.0	754.0
Department of Homeland Security	75.2	0.0	75.2	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	2,886.0	2,637.4	0.0	0.0	49.8	0.0	0.0	0.0	198.9
Department of Transportation	4,162.5	0.0	72.5	0.0	976.4	0.0	5.5	0.0	3,108.1
National Aeronautics and Space Administration	9,523.9	0.0	5,606.5	0.0	3,917.4	0.0	0.0	0.0	0.0
National Science Foundation	46,378.4	0.0	1,179.8	0.0	45,198.6	0.0	0.0	0.0	0.0
Kansas	234,253.7	20,350.3	71,720.3	0.0	136,611.2	0.0	3,374.8	0.0	2,197.2
Department of Agriculture	22,054.8	11,933.2	0.0	0.0	10,121.6	0.0	0.0	0.0	0.0
Department of Commerce	122.6	0.0	0.0	0.0	122.6	0.0	0.0	0.0	0.0
Department of Defense, research	5,423.7	112.3	194.3	0.0	4,673.0	0.0	444.1	0.0	0.0
Department of Defense, total development ^b	68,233.3	2,093.2	65,100.2	0.0	1,039.9	0.0	0.0	0.0	0.0
Department of Energy	6,001.8	0.0	615.1	0.0	5,386.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	89,698.0	0.0	2,963.4	0.0	83,028.6	0.0	2,930.7	0.0	775.2
Department of Homeland Security	1,422.3	0.0	1.0	0.0	1,421.4	0.0	0.0	0.0	0.0
Department of the Interior	6,534.9	5,940.4	0.0	0.0	459.2	0.0	0.0	0.0	135.3
Department of Transportation	2,999.0	0.0	634.0	0.0	1,078.4	0.0	0.0	0.0	1,286.6
Environmental Protection Agency	1,228.9	271.2	917.6	0.0	40.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	5,691.7	0.0	919.6	0.0	4,772.0	0.0	0.0	0.0	0.0
National Science Foundation	24,842.7	0.0	375.0	0.0	24,467.7	0.0	0.0	0.0	0.0
Kentucky	306,846.3	18,154.0	121,798.0	0.0	161,878.9	0.0	1,326.3	0.0	3,689.1
Department of Agriculture	17,558.3	3,298.7	0.0	0.0	13,939.7	0.0	0.0	0.0	320.0
Department of Commerce	184.0	0.0	0.0	0.0	184.0	0.0	0.0	0.0	0.0
Department of Defense, research	13,354.7	3,805.8	8,246.7	0.0	1,302.2	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	103,389.2	11,049.5	92,239.7	0.0	100.0	0.0	0.0	0.0	0.0
Department of Energy	4,561.0	0.0	1,450.0	0.0	3,111.0	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Health and Human Services	146,208.4	0.0	16,095.0	0.0	129,099.7	0.0	561.4	0.0	452.3
Department of Homeland Security	502.6	0.0	146.2	0.0	0.0	0.0	356.4	0.0	0.0
Department of Transportation	2,928.5	0.0	11.8	0.0	0.0	0.0	0.0	0.0	2,916.8
Environmental Protection Agency	1,235.2	0.0	927.2	0.0	308.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,267.6	0.0	600.7	0.0	666.9	0.0	0.0	0.0	0.0
National Science Foundation	15,656.8	0.0	2,080.8	0.0	13,167.5	0.0	408.5	0.0	0.0
Louisiana	277,975.5	42,555.1	43,609.6	0.0	187,032.9	0.0	1,555.2	0.0	3,222.7
Department of Agriculture	43,364.9	31,670.6	2.3	0.0	11,692.1	0.0	0.0	0.0	0.0
Department of Commerce	1,412.0	0.0	0.0	0.0	1,364.0	0.0	48.0	0.0	0.0
Department of Defense, research	3,979.6	120.9	1,525.3	0.0	2,333.4	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	32,442.1	3,439.3	28,558.9	0.0	0.0	0.0	443.9	0.0	0.0
Department of Energy	6,560.9	0.0	520.8	0.0	6,040.1	0.0	0.0	0.0	0.0
Department of Health and Human Services	143,455.0	2,372.6	1,449.0	0.0	138,162.8	0.0	962.7	0.0	507.9
Department of Homeland Security	29.7	0.0	29.7	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	6,926.8	4,820.2	468.9	0.0	1,637.7	0.0	0.0	0.0	0.0
Department of Transportation	2,709.9	2.5	36.4	0.0	0.0	0.0	89.2	0.0	2,581.8
Environmental Protection Agency	437.5	0.0	437.5	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	11,189.5	129.0	9,621.5	0.0	1,438.9	0.0	0.0	0.0	0.0
National Science Foundation	25,467.6	0.0	959.2	0.0	24,364.0	0.0	11.3	0.0	133.0
Maine	169,886.8	10,190.3	34,628.6	0.0	51,383.3	0.0	72,933.8	0.0	750.8
Department of Agriculture	8,031.4	3,023.7	0.0	0.0	5,007.7	0.0	0.0	0.0	0.0
Department of Commerce	1,890.0	0.0	0.0	0.0	1,208.2	0.0	0.0	0.0	681.7
Department of Defense, research	33,765.2	416.4	14,321.5	0.0	18,846.7	0.0	180.5	0.0	0.0
Department of Defense, total development ^b	18,889.0	4,045.2	14,630.9	0.0	212.8	0.0	0.0	0.0	0.0
Department of Energy	1,620.0	0.0	1,000.0	0.0	620.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	73,067.9	0.0	994.1	0.0	5,347.6	0.0	66,726.2	0.0	0.0
Department of Homeland Security	78.0	0.0	78.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	3,648.4	2,704.9	250.0	0.0	355.4	0.0	269.0	0.0	69.1
Department of Transportation	1,666.3	0.0	1,666.3	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	90.6	0.0	90.6	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,549.3	0.0	482.7	0.0	1,043.5	0.0	1,023.1	0.0	0.0
National Science Foundation	24,590.7	0.0	1,114.4	0.0	18,741.3	0.0	4,735.0	0.0	0.0
Maryland	15,605,883.1	10,057,409.3	3,321,426.2	386,353.2	1,480,219.5	0.0	345,374.0	6,186.6	8,914.2
Department of Agriculture	159,224.1	148,875.3	473.3	0.0	8,910.6	0.0	600.0	0.0	365.0
Department of Commerce	632,041.3	581,431.1	15,912.1	0.0	33,835.5	0.0	862.6	0.0	0.0
Department of Defense, research	692,067.8	498,860.6	99,946.4	429.9	87,035.8	0.0	5,618.0	177.1	0.0
Department of Defense, total development ^b	4,879,435.1	2,734,852.9	1,905,943.4	630.3	189,320.7	0.0	44,150.2	2,858.0	1,679.6

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Energy	29,244.3	440.8	13,714.8	0.0	13,660.4	0.0	1,428.2	0.0	0.0
Department of Health and Human Services	7,503,424.6	5,780,365.8	397,494.6	385,293.1	823,371.4	0.0	112,932.0	0.0	3,967.8
Department of Homeland Security	44,152.5	24,766.4	7,027.1	0.0	9,372.5	0.0	449.6	2,536.8	0.0
Department of the Interior	12,607.8	11,389.0	269.9	0.0	850.3	0.0	98.7	0.0	0.0
Department of Transportation	30,390.0	5,194.7	15,347.8	0.0	4,779.8	0.0	2,509.9	0.0	2,557.8
Environmental Protection Agency	46,155.6	0.0	44,700.5	0.0	1,455.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,458,845.0	265,924.4	814,491.4	0.0	206,082.0	0.0	171,732.6	614.6	0.0
National Science Foundation	118,294.9	5,308.4	6,105.0	0.0	101,545.3	0.0	4,992.1	0.0	344.1
Massachusetts	5,690,762.6	387,823.3	2,007,336.2	0.0	1,506,827.3	248,016.9	1,474,733.5	61,851.6	4,173.9
Department of Agriculture	23,388.6	9,792.3	8.7	0.0	13,582.6	0.0	5.0	0.0	0.0
Department of Commerce	17,680.7	7,536.7	776.2	0.0	8,104.2	0.0	1,263.6	0.0	0.0
Department of Defense, research	431,952.7	30,332.5	186,273.1	0.0	137,911.2	49,338.9	27,655.5	441.4	0.0
Department of Defense, total development ^b	2,029,076.1	196,605.5	1,541,333.1	0.0	21,855.9	188,878.2	18,993.2	61,410.1	0.0
Department of Energy	115,747.8	0.0	25,736.5	0.0	88,290.1	0.0	1,621.2	0.0	100.0
Department of Health and Human Services	2,427,621.1	476.2	148,152.0	0.0	896,180.6	300.0	1,378,750.5	0.0	3,761.9
Department of Homeland Security	22,307.0	149.7	9,140.1	0.0	3,260.1	9,499.8	257.4	0.0	0.0
Department of the Interior	10,674.5	8,948.1	916.6	0.0	615.6	0.0	132.2	0.0	62.0
Department of Transportation	41,483.5	33,029.4	7,128.0	0.0	405.0	0.0	671.2	0.0	250.0
Environmental Protection Agency	17,790.1	542.9	10,837.6	0.0	6,409.5	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	183,285.9	100,409.9	30,468.7	0.0	39,274.3	0.0	13,133.0	0.0	0.0
National Science Foundation	369,754.6	0.0	46,565.6	0.0	290,938.2	0.0	32,250.8	0.0	0.0
Michigan	1,826,142.8	565,966.6	365,729.3	0.0	841,582.0	0.0	44,002.9	0.0	8,861.9
Department of Agriculture	22,306.4	5,832.0	77.1	0.0	16,397.4	0.0	0.0	0.0	0.0
Department of Commerce	10,244.4	7,715.0	0.0	0.0	2,441.8	0.0	87.6	0.0	0.0
Department of Defense, research	122,164.8	38,623.0	34,909.0	0.0	46,437.1	0.0	2,195.7	0.0	0.0
Department of Defense, total development ^b	755,547.3	502,276.3	241,635.1	0.0	11,000.9	0.0	610.0	0.0	25.0
Department of Energy	40,400.0	0.0	12,121.6	0.0	28,278.4	0.0	0.0	0.0	0.0
Department of Health and Human Services	616,604.3	0.0	47,770.3	0.0	530,511.0	0.0	35,922.4	0.0	2,400.6
Department of Homeland Security	444.8	0.0	153.1	0.0	291.7	0.0	0.0	0.0	0.0
Department of the Interior	5,106.6	4,662.5	62.0	0.0	271.1	0.0	0.0	0.0	111.0
Department of Transportation	36,901.8	6,179.9	11,416.8	0.0	7,792.7	0.0	5,187.2	0.0	6,325.2
Environmental Protection Agency	12,376.5	678.0	5,691.6	0.0	6,006.9	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	31,401.4	0.0	6,640.0	0.0	24,761.4	0.0	0.0	0.0	0.0
National Science Foundation	172,644.4	0.0	5,252.8	0.0	167,391.7	0.0	0.0	0.0	0.0
Minnesota	939,742.0	89,838.9	205,652.9	0.0	397,714.3	0.0	238,545.6	0.0	7,990.2
Department of Agriculture	34,718.1	19,532.9	0.0	0.0	15,185.2	0.0	0.0	0.0	0.0
Department of Commerce	849.6	0.0	149.0	0.0	700.6	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Defense, research	32,773.3	1,387.4	20,570.8	0.0	9,389.8	0.0	1,425.3	0.0	0.0
Department of Defense, total development ^b	174,826.8	2,432.1	155,456.9	0.0	11.9	0.0	16,925.8	0.0	0.0
Department of Energy	16,944.9	0.0	2,137.8	0.0	14,807.1	0.0	0.0	0.0	0.0
Department of Health and Human Services	513,473.0	0.0	14,061.8	0.0	277,081.7	0.0	218,149.7	0.0	4,179.8
Department of Homeland Security	2,289.6	0.0	716.7	0.0	1,572.9	0.0	0.0	0.0	0.0
Department of the Interior	58,836.1	55,774.2	0.0	0.0	2,856.8	0.0	180.1	0.0	25.0
Department of Transportation	4,684.6	0.0	471.8	0.0	427.4	0.0	0.0	0.0	3,785.4
Environmental Protection Agency	12,721.3	10,712.2	605.2	0.0	1,403.9	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	10,606.9	0.0	7,003.8	0.0	3,603.1	0.0	0.0	0.0	0.0
National Science Foundation	77,017.9	0.0	4,479.2	0.0	70,673.9	0.0	1,864.8	0.0	0.0
Mississippi	567,723.4	433,299.8	31,235.9	0.0	99,423.3	0.0	116.1	0.0	3,648.2
Department of Agriculture	81,398.6	59,237.2	0.0	0.0	21,794.9	0.0	106.1	0.0	260.3
Department of Commerce	934.3	0.0	0.0	0.0	934.3	0.0	0.0	0.0	0.0
Department of Defense, research	49,950.2	44,163.0	1,764.7	0.0	4,022.4	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	255,196.8	230,952.2	19,610.4	0.0	4,604.3	0.0	0.0	0.0	30.0
Department of Energy	1,741.4	0.0	149.9	0.0	1,591.5	0.0	0.0	0.0	0.0
Department of Health and Human Services	51,008.6	0.0	205.5	0.0	50,475.0	0.0	0.0	0.0	328.1
Department of Homeland Security	1,204.6	56.4	0.0	0.0	1,148.2	0.0	0.0	0.0	0.0
Department of the Interior	35,712.2	34,480.9	50.1	0.0	803.3	0.0	10.0	0.0	368.0
Department of Transportation	3,402.1	736.6	3.6	0.0	0.0	0.0	0.0	0.0	2,661.8
National Aeronautics and Space Administration	75,041.5	63,673.6	9,226.7	0.0	2,141.2	0.0	0.0	0.0	0.0
National Science Foundation	12,133.2	0.0	224.9	0.0	11,908.4	0.0	0.0	0.0	0.0
Missouri	1,057,856.7	88,800.1	458,289.3	0.0	479,721.5	0.0	25,528.5	0.0	5,517.3
Department of Agriculture	31,986.2	15,826.0	0.0	0.0	16,109.6	0.0	50.6	0.0	0.0
Department of Commerce	735.4	0.0	0.0	0.0	735.4	0.0	0.0	0.0	0.0
Department of Defense, research	32,019.6	955.4	24,451.0	0.0	6,613.2	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	477,810.4	64,229.2	412,510.2	0.0	837.0	0.0	234.0	0.0	0.0
Department of Energy	26,413.4	0.0	7,250.1	0.0	9,508.5	0.0	7,655.4	0.0	1,999.3
Department of Health and Human Services	419,505.6	0.0	8,711.4	0.0	394,468.1	0.0	15,488.8	0.0	837.4
Department of Homeland Security	1,161.8	0.0	0.0	0.0	0.0	0.0	1,161.8	0.0	0.0
Department of the Interior	8,462.2	7,577.2	0.0	0.0	885.0	0.0	0.0	0.0	0.0
Department of Transportation	3,704.6	0.0	19.0	0.0	1,005.0	0.0	0.0	0.0	2,680.6
Environmental Protection Agency	457.4	0.0	6.2	0.0	451.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	12,469.8	212.3	3,338.6	0.0	8,918.8	0.0	0.0	0.0	0.0
National Science Foundation	43,130.4	0.0	2,002.8	0.0	40,189.7	0.0	937.9	0.0	0.0
Montana	134,505.2	51,800.0	18,820.9	0.0	56,813.0	0.0	3,280.2	0.0	3,791.1
Department of Agriculture	21,680.5	13,804.0	0.0	0.0	5,601.5	0.0	2,250.0	0.0	25.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Commerce	174.0	0.0	0.0	0.0	174.0	0.0	0.0	0.0	0.0
Department of Defense, research	3,555.2	14.7	964.7	0.0	2,575.8	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	6,273.4	166.2	3,647.2	0.0	2,460.0	0.0	0.0	0.0	0.0
Department of Energy	4,918.3	0.0	300.0	0.0	4,618.3	0.0	0.0	0.0	0.0
Department of Health and Human Services	64,856.0	35,111.5	6,146.1	0.0	22,509.2	0.0	1,030.2	0.0	59.0
Department of the Interior	3,611.9	2,703.7	0.0	0.0	829.3	0.0	0.0	0.0	79.0
Department of Transportation	1,886.3	0.0	258.1	0.0	0.0	0.0	0.0	0.0	1,628.2
Environmental Protection Agency	71.9	0.0	71.9	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	7,389.9	0.0	4,581.5	0.0	2,808.4	0.0	0.0	0.0	0.0
National Science Foundation	20,087.9	0.0	2,851.4	0.0	15,236.5	0.0	0.0	0.0	2,000.0
Nebraska	200,522.5	30,966.1	38,921.1	0.0	123,031.6	0.0	5,001.5	0.0	2,602.2
Department of Agriculture	34,495.2	25,279.4	0.0	0.0	9,215.8	0.0	0.0	0.0	0.0
Department of Commerce	331.6	0.0	6.0	0.0	325.6	0.0	0.0	0.0	0.0
Department of Defense, research	1,998.1	150.0	102.8	0.0	1,745.2	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	39,320.7	4,707.5	32,423.7	0.0	2,189.5	0.0	0.0	0.0	0.0
Department of Energy	1,319.6	0.0	144.8	0.0	1,174.8	0.0	0.0	0.0	0.0
Department of Health and Human Services	87,770.2	0.0	2,293.1	0.0	79,296.4	0.0	5,001.5	0.0	1,179.2
Department of Homeland Security	53.3	0.0	53.3	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	889.1	829.1	0.0	0.0	60.0	0.0	0.0	0.0	0.0
Department of Transportation	10,527.5	0.0	3,512.8	0.0	5,591.7	0.0	0.0	0.0	1,423.0
Environmental Protection Agency	60.5	0.0	38.9	0.0	21.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,025.8	0.0	65.7	0.0	960.1	0.0	0.0	0.0	0.0
National Science Foundation	22,731.0	0.0	279.9	0.0	22,451.1	0.0	0.0	0.0	0.0
Nevada	584,581.6	81,705.6	448,958.4	0.0	51,054.3	0.0	717.8	0.0	2,145.6
Department of Agriculture	5,522.3	2,541.8	0.0	0.0	2,980.5	0.0	0.0	0.0	0.0
Department of Commerce	231.0	0.0	0.0	0.0	225.0	0.0	6.0	0.0	0.0
Department of Defense, research	10,338.5	405.1	9,228.1	0.0	698.4	0.0	0.0	0.0	6.9
Department of Defense, total development ^b	123,830.0	41,840.7	81,565.3	0.0	424.0	0.0	0.0	0.0	0.0
Department of Energy	255,424.6	0.0	249,459.9	0.0	5,964.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	24,960.0	0.0	300.0	0.0	23,612.7	0.0	711.8	0.0	335.6
Department of Homeland Security	1,064.1	393.3	670.4	0.0	0.4	0.0	0.0	0.0	0.0
Department of the Interior	30,594.1	29,066.7	55.0	0.0	1,472.4	0.0	0.0	0.0	0.0
Department of Transportation	2,058.5	0.0	255.5	0.0	0.0	0.0	0.0	0.0	1,803.0
Environmental Protection Agency	7,953.8	7,457.9	495.9	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	108,016.4	0.0	106,503.8	0.0	1,512.6	0.0	0.0	0.0	0.0
National Science Foundation	14,588.0	0.0	424.4	0.0	14,163.6	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
New Hampshire	296,212.7	22,943.7	119,225.5	0.0	150,131.0	0.0	2,920.0	0.0	992.6
Department of Agriculture	9,402.7	5,281.0	0.0	0.0	3,435.9	0.0	685.8	0.0	0.0
Department of Commerce	11,199.3	0.0	7.2	0.0	11,192.1	0.0	0.0	0.0	0.0
Department of Defense, research	33,408.2	6,326.8	23,613.8	0.0	3,422.9	0.0	44.8	0.0	0.0
Department of Defense, total development ^b	81,985.2	5,750.9	75,512.3	0.0	722.0	0.0	0.0	0.0	0.0
Department of Energy	1,566.4	0.0	247.4	0.0	1,319.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	96,821.6	0.0	10,423.7	0.0	84,613.1	0.0	949.9	0.0	834.9
Department of Homeland Security	189.4	115.5	73.9	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	4,465.3	3,463.7	0.0	0.0	1,001.6	0.0	0.0	0.0	0.0
Department of Transportation	250.2	0.0	92.5	0.0	0.0	0.0	0.0	0.0	157.7
Environmental Protection Agency	2,543.2	0.0	6.6	0.0	2,536.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	20,475.6	328.0	9,248.1	0.0	10,899.5	0.0	0.0	0.0	0.0
National Science Foundation	33,905.6	1,677.8	0.0	0.0	30,988.2	0.0	1,239.6	0.0	0.0
New Jersey	1,726,855.8	571,432.7	699,400.2	0.0	377,391.7	52,022.0	20,502.9	0.0	6,106.3
Department of Agriculture	8,122.2	71.1	503.6	0.0	7,451.5	0.0	90.0	0.0	6.0
Department of Commerce	22,000.1	17,922.0	16.6	0.0	4,030.4	0.0	31.0	0.0	0.0
Department of Defense, research	127,736.4	60,488.4	36,645.8	0.0	30,568.4	0.0	33.8	0.0	0.0
Department of Defense, total development ^b	1,077,645.1	468,302.9	598,427.1	0.0	7,218.1	3,537.0	0.0	0.0	160.0
Department of Energy	76,468.4	180.8	10,723.5	0.0	16,599.7	48,185.0	779.4	0.0	0.0
Department of Health and Human Services	237,949.3	0.0	26,784.7	0.0	192,954.6	300.0	17,192.5	0.0	717.4
Department of Homeland Security	6,400.8	318.2	1,300.5	0.0	4,782.0	0.0	0.0	0.0	0.0
Department of the Interior	3,306.3	1,882.4	1,156.2	0.0	214.3	0.0	0.0	0.0	53.4
Department of Transportation	42,794.5	20,168.8	13,706.1	0.0	1,826.7	0.0	1,923.6	0.0	5,169.5
Environmental Protection Agency	2,918.5	1,356.0	966.4	0.0	596.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	15,168.4	642.1	6,363.7	0.0	8,015.7	0.0	146.9	0.0	0.0
National Science Foundation	106,345.9	100.0	2,805.9	0.0	103,134.3	0.0	305.7	0.0	0.0
New Mexico	3,421,466.1	730,430.5	339,475.1	2,152,549.0	163,108.8	0.0	28,387.9	0.0	7,514.9
Department of Agriculture	9,647.3	5,905.2	38.4	0.0	2,555.0	0.0	708.8	0.0	440.0
Department of Commerce	1,766.8	0.0	1,423.8	0.0	273.0	0.0	70.0	0.0	0.0
Department of Defense, research	277,136.8	102,292.4	128,009.5	31,393.0	14,000.8	0.0	1,252.9	0.0	188.0
Department of Defense, total development ^b	812,184.4	375,164.5	186,146.0	239,446.4	10,023.2	0.0	1,400.0	0.0	4.4
Department of Energy	2,116,798.7	235,155.0	5,917.6	1,863,929.0	9,086.1	0.0	1,499.1	0.0	1,211.9
Department of Health and Human Services	94,249.7	100.0	3,303.8	7,302.6	63,776.0	0.0	18,218.7	0.0	1,548.7
Department of Homeland Security	11,735.4	0.0	1,783.1	9,952.4	0.0	0.0	0.0	0.0	0.0
Department of the Interior	2,314.4	1,573.2	67.0	0.0	488.0	0.0	0.0	0.0	186.2
Department of Transportation	3,190.9	40.4	893.8	0.0	76.5	0.0	8.3	0.0	2,172.0
National Aeronautics and Space Administration	56,363.4	9,881.9	10,865.6	525.7	35,090.2	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
National Science Foundation	36,078.3	317.7	1,026.6	0.0	27,740.0	0.0	5,230.2	0.0	1,763.7
New York	4,605,209.9	156,272.8	1,514,700.9	0.0	2,150,165.2	0.0	306,777.9	400,602.9	76,690.2
Department of Agriculture	37,159.3	17,608.5	428.9	0.0	18,082.9	0.0	1,038.9	0.0	0.0
Department of Commerce	23,011.6	0.0	56.5	0.0	22,711.7	0.0	243.4	0.0	0.0
Department of Defense, research	239,104.0	76,828.7	92,005.5	0.0	66,900.8	0.0	2,222.9	1,146.0	0.0
Department of Defense, total development ^b	911,509.0	33,033.5	874,917.4	0.0	1,921.4	0.0	1,543.2	93.6	0.0
Department of Energy	939,832.2	10,482.1	428,465.7	0.0	110,717.2	0.0	629.1	389,538.1	0.0
Department of Health and Human Services	1,976,309.9	*	54,306.1	0.0	1,563,046.9	0.0	283,668.9	3,349.8	71,938.2
Department of Homeland Security	13,772.1	11,754.1	1,406.2	0.0	27.7	0.0	584.1	0.0	0.0
Department of the Interior	7,194.3	5,873.4	181.0	0.0	1,089.9	0.0	50.0	0.0	0.0
Department of Transportation	8,602.2	313.5	4,092.5	0.0	506.3	0.0	0.0	0.0	3,689.9
Environmental Protection Agency	4,939.3	271.2	2,146.5	0.0	2,521.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	84,884.7	107.8	45,902.1	0.0	31,769.9	0.0	629.4	6,475.4	0.0
National Science Foundation	358,891.3	0.0	10,792.5	0.0	330,868.8	0.0	16,168.0	0.0	1,062.1
North Carolina	1,759,195.6	281,096.6	215,995.0	0.0	1,057,391.4	0.0	193,550.8	0.0	11,161.8
Department of Agriculture	43,151.6	23,137.0	60.7	0.0	19,079.0	0.0	447.7	0.0	427.3
Department of Commerce	12,460.6	7,871.0	2,578.1	0.0	1,990.5	0.0	21.0	0.0	0.0
Department of Defense, research	83,880.2	13,826.7	7,260.4	0.0	49,106.8	0.0	13,173.7	0.0	512.5
Department of Defense, total development ^b	89,413.7	15,715.3	53,734.1	0.0	19,373.2	0.0	591.1	0.0	0.0
Department of Energy	29,895.6	0.0	7,590.1	0.0	20,688.4	0.0	1,617.1	0.0	0.0
Department of Health and Human Services	1,217,872.0	123,997.0	114,720.9	0.0	798,682.4	0.0	174,503.4	0.0	5,968.2
Department of Homeland Security	13,292.7	0.0	963.4	0.0	11,780.7	0.0	548.6	0.0	0.0
Department of the Interior	6,099.2	5,513.5	0.0	0.0	585.8	0.0	0.0	0.0	0.0
Department of Transportation	12,720.8	2,712.1	4,027.9	0.0	1,727.0	0.0	0.0	0.0	4,253.8
Environmental Protection Agency	114,835.2	88,274.3	20,782.9	0.0	5,778.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	7,936.6	49.7	1,610.2	0.0	4,714.6	0.0	1,562.1	0.0	0.0
National Science Foundation	127,637.4	0.0	2,666.3	0.0	123,885.1	0.0	1,086.1	0.0	0.0
North Dakota	89,515.2	39,201.0	1,180.5	0.0	47,782.9	0.0	1,155.2	0.0	195.7
Department of Agriculture	33,517.4	23,462.0	100.0	0.0	9,939.1	0.0	0.0	0.0	16.2
Department of Commerce	174.0	0.0	0.0	0.0	174.0	0.0	0.0	0.0	0.0
Department of Defense, research	1,182.7	19.8	0.0	0.0	1,162.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	2,868.5	0.0	694.0	0.0	2,174.5	0.0	0.0	0.0	0.0
Department of Energy	9,330.3	0.0	0.0	0.0	9,330.3	0.0	0.0	0.0	0.0
Department of Health and Human Services	16,273.3	0.0	0.0	0.0	15,118.1	0.0	1,155.2	0.0	0.0
Department of the Interior	17,107.4	15,718.6	0.0	0.0	1,259.3	0.0	0.0	0.0	129.5
Department of Transportation	360.5	0.6	0.1	0.0	309.8	0.0	0.0	0.0	50.0
National Aeronautics and Space Administration	540.0	0.0	66.3	0.0	473.7	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
National Science Foundation	8,161.3	0.0	320.2	0.0	7,841.1	0.0	0.0	0.0	0.0
Ohio	2,425,733.9	669,521.6	860,102.0	0.0	679,803.9	0.0	205,764.6	0.0	10,541.8
Department of Agriculture	21,376.0	9,368.3	0.0	0.0	11,397.3	0.0	604.4	0.0	6.0
Department of Commerce	1,316.1	0.0	136.5	0.0	672.8	0.0	506.8	0.0	0.0
Department of Defense, research	561,022.6	290,282.4	206,791.5	0.0	44,484.5	0.0	17,906.6	0.0	1,557.6
Department of Defense, total development ^b	715,506.5	157,032.3	523,608.6	0.0	7,035.8	0.0	27,444.8	0.0	385.0
Department of Energy	35,179.4	0.0	13,788.4	0.0	14,856.6	0.0	6,534.3	0.0	0.0
Department of Health and Human Services	677,590.7	9,284.8	21,236.6	0.0	498,044.1	0.0	146,137.7	0.0	2,887.4
Department of Homeland Security	7,249.7	3,550.8	69.6	0.0	0.0	0.0	3,629.3	0.0	0.0
Department of the Interior	10,595.2	9,985.0	0.0	0.0	538.1	0.0	0.0	0.0	72.2
Department of Transportation	24,650.3	5,246.3	11,248.1	0.0	2,242.7	0.0	479.7	0.0	5,433.5
Environmental Protection Agency	75,424.5	48,408.5	25,974.9	0.0	1,041.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	198,676.7	136,363.0	53,216.7	0.0	7,426.5	0.0	1,670.5	0.0	0.0
National Science Foundation	97,146.2	0.0	4,031.1	0.0	92,064.4	0.0	850.7	0.0	200.0
Oklahoma	262,352.2	58,309.1	61,838.8	0.0	108,059.9	0.0	31,361.8	0.0	2,782.5
Department of Agriculture	20,768.8	10,756.3	0.0	0.0	9,711.4	0.0	0.0	0.0	301.1
Department of Commerce	14,802.7	10,252.0	184.3	0.0	4,298.5	0.0	68.0	0.0	0.0
Department of Defense, research	7,058.1	641.6	594.3	0.0	5,822.2	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	70,111.2	18,200.8	48,572.0	0.0	3,338.4	0.0	0.0	0.0	0.0
Department of Energy	6,417.6	0.0	19.5	0.0	5,280.4	0.0	1,117.7	0.0	0.0
Department of Health and Human Services	88,622.2	0.0	5,882.7	0.0	55,829.2	0.0	26,810.3	0.0	100.0
Department of Homeland Security	630.2	0.0	54.2	0.0	371.7	0.0	204.4	0.0	0.0
Department of the Interior	1,956.7	1,366.9	0.0	0.0	420.1	0.0	0.0	0.0	169.6
Department of Transportation	16,390.0	10,087.1	2,954.9	0.0	1,136.3	0.0	0.0	0.0	2,211.7
Environmental Protection Agency	7,766.0	6,915.5	660.8	0.0	189.8	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	4,733.7	88.9	2,691.2	0.0	1,680.9	0.0	272.8	0.0	0.0
National Science Foundation	23,094.9	0.0	225.0	0.0	19,981.2	0.0	2,888.8	0.0	0.0
Oregon	528,961.2	90,717.8	65,539.8	0.0	335,215.0	0.0	33,002.2	0.0	4,486.4
Department of Agriculture	64,263.2	44,096.2	101.1	0.0	19,451.5	0.0	452.5	0.0	161.9
Department of Commerce	7,343.4	3,307.0	108.1	0.0	3,909.3	0.0	19.0	0.0	0.0
Department of Defense, research	17,841.6	59.2	10,026.1	0.0	7,756.2	0.0	0.0	0.0	0.1
Department of Defense, total development ^b	20,145.4	781.4	17,298.0	0.0	2,013.0	0.0	53.0	0.0	0.0
Department of Energy	23,945.5	11,327.8	7,445.6	0.0	5,128.8	0.0	0.0	0.0	43.2
Department of Health and Human Services	295,935.4	0.0	21,689.5	0.0	242,184.9	0.0	29,959.3	0.0	2,101.7
Department of Homeland Security	130.1	0.0	130.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	21,843.0	20,773.2	50.0	0.0	1,019.9	0.0	0.0	0.0	0.0
Department of Transportation	3,732.9	0.0	1,473.4	0.0	80.0	0.0	0.0	0.0	2,179.5

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Environmental Protection Agency	11,258.2	9,627.5	655.5	0.0	975.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	12,537.0	745.5	5,552.4	0.0	5,818.9	0.0	420.2	0.0	0.0
National Science Foundation	49,985.5	0.0	1,010.1	0.0	46,877.2	0.0	2,098.1	0.0	0.0
Pennsylvania	3,295,420.7	215,486.7	1,114,461.7	0.0	1,657,081.5	27,312.4	277,834.7	0.0	3,243.7
Department of Agriculture	60,654.5	48,664.4	19.0	0.0	11,524.5	0.0	440.6	0.0	6.0
Department of Commerce	7,112.8	0.0	3,471.7	0.0	3,412.1	0.0	229.0	0.0	0.0
Department of Defense, research	180,007.0	6,455.2	34,387.7	0.0	127,712.5	3,370.0	8,081.7	0.0	0.0
Department of Defense, total development ^b	753,657.1	54,565.2	543,559.1	0.0	97,231.5	23,683.5	34,462.7	0.0	155.0
Department of Energy	551,947.5	59,402.3	462,368.3	0.0	29,733.1	0.0	443.9	0.0	0.0
Department of Health and Human Services	1,440,432.7	26,111.7	36,425.0	0.0	1,149,872.6	258.9	226,543.4	0.0	1,221.2
Department of Homeland Security	2,316.7	371.9	1,924.0	0.0	0.0	0.0	20.7	0.0	0.0
Department of the Interior	16,372.3	15,053.3	108.5	0.0	662.4	0.0	150.0	0.0	398.1
Department of Transportation	18,707.1	3,343.1	12,093.3	0.0	1,807.3	0.0	0.0	0.0	1,463.4
Environmental Protection Agency	6,538.6	135.6	1,196.6	0.0	5,206.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	30,626.1	1,384.1	13,305.7	0.0	15,539.3	0.0	397.0	0.0	0.0
National Science Foundation	227,048.4	0.0	5,602.7	0.0	214,379.9	0.0	7,065.8	0.0	0.0
Rhode Island	486,437.3	207,712.7	69,328.6	0.0	135,036.6	0.0	72,140.0	0.0	2,219.4
Department of Agriculture	1,799.2	26.4	0.0	0.0	1,737.8	0.0	35.0	0.0	0.0
Department of Commerce	1,498.8	0.0	0.0	0.0	1,498.8	0.0	0.0	0.0	0.0
Department of Defense, research	37,959.5	20,751.6	3,058.9	0.0	13,850.4	0.0	298.5	0.0	0.0
Department of Defense, total development ^b	234,330.3	174,285.9	59,564.8	0.0	479.6	0.0	0.0	0.0	0.0
Department of Energy	7,014.8	0.0	0.0	0.0	6,821.7	0.0	193.0	0.0	0.0
Department of Health and Human Services	146,694.0	0.0	4,468.8	0.0	71,948.9	0.0	69,012.1	0.0	1,264.3
Department of Homeland Security	39.6	0.0	3.0	0.0	36.6	0.0	0.0	0.0	0.0
Department of the Interior	3,080.8	2,885.7	*	0.0	189.1	0.0	6.0	0.0	0.0
Department of Transportation	958.6	0.0	3.4	0.0	0.0	0.0	0.0	0.0	955.1
Environmental Protection Agency	10,653.0	9,763.1	868.6	0.0	21.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	3,447.2	0.0	881.1	0.0	2,495.1	0.0	71.1	0.0	0.0
National Science Foundation	38,961.4	0.0	479.9	0.0	35,957.3	0.0	2,524.2	0.0	0.0
South Carolina	397,476.6	107,098.7	74,533.6	22,020.4	163,092.0	0.0	24,144.0	0.0	6,588.0
Department of Agriculture	18,358.7	9,940.1	0.0	0.0	6,854.7	0.0	1,215.0	0.0	348.9
Department of Commerce	9,183.7	7,700.0	150.0	0.0	758.4	0.0	0.0	0.0	575.3
Department of Defense, research	12,638.7	3,345.0	3,289.3	0.0	6,004.4	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	157,958.9	79,459.1	61,880.1	104.0	414.0	0.0	16,101.6	0.0	0.0
Department of Energy	28,701.8	0.0	1,961.4	21,916.4	4,824.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	130,326.0	0.0	4,841.5	0.0	120,977.8	0.0	2,627.2	0.0	1,879.6
Department of Homeland Security	3,489.1	3,327.4	9.3	0.0	0.0	0.0	152.4	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of the Interior	3,612.6	3,252.2	0.0	0.0	85.0	0.0	0.0	0.0	275.4
Department of Transportation	3,513.9	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3,508.9
Environmental Protection Agency	760.6	0.0	739.0	0.0	21.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,379.9	0.0	558.9	0.0	1,061.2	0.0	759.8	0.0	0.0
National Science Foundation	26,552.7	74.8	1,099.1	0.0	22,090.8	0.0	3,288.0	0.0	0.0
South Dakota	56,606.9	13,501.5	5,359.1	0.0	23,611.4	0.0	12,833.9	0.0	1,300.9
Department of Agriculture	8,138.9	3,586.7	0.0	0.0	4,493.8	0.0	0.0	0.0	58.4
Department of Commerce	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Department of Defense, research	396.7	52.7	60.2	0.0	283.8	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	3,721.0	17.1	3,651.9	0.0	0.0	0.0	0.0	0.0	52.0
Department of Energy	1,102.6	0.0	148.9	0.0	953.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	20,793.6	0.0	658.7	0.0	7,566.2	0.0	12,478.7	0.0	90.0
Department of the Interior	1,814.2	1,690.6	0.0	0.0	123.6	0.0	0.0	0.0	0.0
Department of Transportation	1,105.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	1,100.5
National Aeronautics and Space Administration	11,764.6	8,154.5	124.9	0.0	3,485.1	0.0	0.0	0.0	0.0
National Science Foundation	7,745.4	0.0	710.0	0.0	6,680.2	0.0	355.2	0.0	0.0
Tennessee	2,118,645.4	141,316.0	532,741.9	0.0	496,377.1	0.0	87,371.7	852,253.0	8,585.8
Department of Agriculture	30,043.4	13,056.2	3.7	0.0	16,608.4	0.0	0.0	0.0	375.2
Department of Commerce	2,382.8	963.0	544.4	0.0	875.4	0.0	0.0	0.0	0.0
Department of Defense, research	52,650.0	11,450.9	1,540.8	0.0	31,806.1	0.0	869.8	6,982.3	0.0
Department of Defense, total development ^b	249,843.0	85,834.8	156,447.3	0.0	2,420.6	0.0	0.0	5,140.3	0.0
Department of Energy	871,572.2	15,852.8	11,194.2	0.0	9,448.1	0.0	3,653.1	831,423.8	0.0
Department of Health and Human Services	468,271.1	0.0	10,922.0	0.0	388,439.7	0.0	65,240.3	689.2	2,979.9
Department of Homeland Security	3,219.5	2,131.3	232.3	0.0	0.0	0.0	0.0	855.9	0.0
Department of the Interior	5,304.2	4,780.8	0.0	0.0	427.3	0.0	0.0	0.0	96.1
Department of Transportation	14,797.9	1,361.5	472.7	0.0	951.3	0.0	666.2	6,211.5	5,134.6
Environmental Protection Agency	1,435.6	0.0	485.6	0.0	0.0	0.0	0.0	950.0	0.0
National Aeronautics and Space Administration	374,383.3	5,749.6	350,201.9	0.0	1,489.6	0.0	16,942.1	0.0	0.0
National Science Foundation	44,742.4	135.0	696.8	0.0	43,910.6	0.0	0.0	0.0	0.0
Texas	5,234,155.9	1,136,782.7	2,632,043.2	0.0	1,280,305.6	0.0	166,550.1	2,445.1	16,029.1
Department of Agriculture	75,480.2	44,870.9	198.7	0.0	29,869.6	0.0	0.0	0.0	541.0
Department of Commerce	4,948.9	410.0	51.0	0.0	4,124.8	0.0	363.1	0.0	0.0
Department of Defense, research	199,371.9	31,282.5	103,046.1	0.0	57,638.8	0.0	6,999.7	404.8	0.0
Department of Defense, total development ^b	2,595,877.1	725,514.2	1,816,717.0	0.0	40,303.9	0.0	11,997.3	552.3	792.2
Department of Energy	76,573.2	1,825.9	17,381.2	0.0	36,575.4	0.0	20,708.5	0.0	82.2
Department of Health and Human Services	980,808.2	0.0	35,201.5	0.0	885,618.9	0.0	55,831.1	1,487.9	2,668.8
Department of Homeland Security	7,847.1	113.8	3,680.2	0.0	4,053.1	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of the Interior	32,446.0	28,788.6	1,984.5	0.0	1,423.8	0.0	249.1	0.0	0.0
Department of Transportation	22,813.1	2,513.6	5,198.9	0.0	2,441.8	0.0	1,133.3	0.0	11,525.4
Environmental Protection Agency	2,194.0	271.2	673.4	0.0	1,249.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,055,585.9	301,192.1	642,381.1	0.0	43,259.0	0.0	68,753.7	0.0	0.0
National Science Foundation	180,210.3	0.0	5,529.4	0.0	173,747.0	0.0	514.4	0.0	419.5
Utah	918,646.9	172,540.8	487,094.5	0.0	243,873.5	0.0	927.3	0.0	14,210.8
Department of Agriculture	29,960.4	22,091.9	51.0	0.0	7,767.5	0.0	50.0	0.0	0.0
Department of Commerce	629.9	0.0	0.0	0.0	629.9	0.0	0.0	0.0	0.0
Department of Defense, research	12,899.1	2,041.9	3,091.3	0.0	7,765.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	412,144.0	132,183.4	265,347.4	0.0	5,128.1	0.0	0.0	0.0	9,485.0
Department of Energy	14,614.3	574.5	6,214.4	0.0	7,457.7	0.0	0.0	0.0	367.8
Department of Health and Human Services	169,560.2	0.0	10,724.3	0.0	156,803.4	0.0	697.3	0.0	1,335.1
Department of Homeland Security	705.7	0.0	99.1	0.0	606.6	0.0	0.0	0.0	0.0
Department of the Interior	17,039.8	15,649.1	0.0	0.0	872.3	0.0	0.0	0.0	518.4
Department of Transportation	3,187.6	0.0	533.1	0.0	150.0	0.0	0.0	0.0	2,504.5
Environmental Protection Agency	25.0	0.0	3.5	0.0	21.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	199,162.2	0.0	195,653.8	0.0	3,508.4	0.0	0.0	0.0	0.0
National Science Foundation	58,718.7	0.0	5,376.7	0.0	53,162.1	0.0	180.0	0.0	0.0
Vermont	102,953.6	4,451.2	26,225.1	0.0	71,208.8	0.0	143.3	0.0	925.2
Department of Agriculture	8,969.1	3,110.8	0.0	0.0	5,858.3	0.0	0.0	0.0	0.0
Department of Defense, research	1,865.2	0.0	487.5	0.0	1,377.0	0.0	0.7	0.0	0.0
Department of Defense, total development ^b	21,998.8	0.0	21,998.8	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	662.9	0.0	299.2	0.0	363.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	55,515.5	0.0	2,746.9	0.0	52,352.6	0.0	133.8	0.0	282.2
Department of Homeland Security	1.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	1,497.8	1,340.3	0.0	0.0	67.5	0.0	8.7	0.0	81.2
Department of Transportation	811.9	0.0	250.2	0.0	0.0	0.0	0.0	0.0	561.7
National Aeronautics and Space Administration	488.7	0.0	290.6	0.0	198.1	0.0	0.0	0.0	0.0
National Science Foundation	11,141.7	0.0	150.0	0.0	10,991.7	0.0	0.0	0.0	0.0
Virginia	6,487,534.9	2,052,114.7	3,357,189.6	0.0	429,533.7	162,600.0	108,248.3	368,828.8	9,019.7
Department of Agriculture	17,216.6	997.4	206.0	0.0	14,325.3	0.0	1,687.9	0.0	0.0
Department of Commerce	13,061.1	410.0	10,559.1	0.0	2,077.0	0.0	15.0	0.0	0.0
Department of Defense, research	654,704.3	109,737.7	476,108.3	0.0	45,990.9	2,247.0	5,976.7	14,641.2	2.5
Department of Defense, total development ^b	4,302,737.9	1,686,522.8	2,349,835.5	0.0	9,431.0	848.8	15,249.7	240,806.8	43.2
Department of Energy	127,034.2	6,395.7	15,563.6	0.0	14,264.3	85,584.2	5,226.3	0.0	0.0
Department of Health and Human Services	358,712.4	1,494.4	72,778.2	0.0	238,435.2	0.0	44,569.0	0.0	1,435.5
Department of Homeland Security	122,016.0	11,463.9	24,571.3	0.0	0.0	0.0	586.2	85,394.8	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013

(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of the Interior	19,826.1	15,859.5	2,078.8	0.0	1,681.9	0.0	28.0	0.0	178.0
Department of Transportation	142,896.2	7,218.5	73,661.4	0.0	12,198.5	0.0	14,776.2	27,986.0	7,055.6
Environmental Protection Agency	56,371.1	25,763.6	30,564.3	0.0	43.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	507,711.9	185,840.4	292,771.6	0.0	11,616.1	0.0	17,178.8	0.0	305.0
National Science Foundation	165,247.1	410.8	8,491.5	0.0	79,470.3	73,920.0	2,954.4	0.0	0.0
Washington	3,433,474.3	272,069.7	1,751,020.1	0.0	694,253.4	0.0	364,005.3	345,677.7	6,448.1
Department of Agriculture	54,689.5	31,868.4	0.0	0.0	22,535.9	0.0	203.1	0.0	82.1
Department of Commerce	31,206.7	22,108.1	0.0	0.0	7,075.7	0.0	2,022.9	0.0	0.0
Department of Defense, research	88,044.9	5,998.9	27,678.4	0.0	48,074.7	0.0	4,236.0	2,056.9	0.0
Department of Defense, total development ^b	1,864,212.7	190,512.4	1,661,485.6	0.0	3,504.6	0.0	1,161.1	7,549.1	0.0
Department of Energy	367,219.1	4,000.0	15,657.5	0.0	24,702.4	0.0	6,233.5	316,375.7	250.0
Department of Health and Human Services	855,479.9	2,339.9	21,527.2	0.0	471,809.7	0.0	344,303.4	12,649.5	2,850.2
Department of Homeland Security	7,089.9	0.0	43.4	0.0	0.0	0.0	0.0	7,046.5	0.0
Department of the Interior	12,994.9	11,891.3	82.5	0.0	566.4	0.0	0.0	0.0	454.8
Department of Transportation	20,085.0	2,712.1	13,236.1	0.0	1,325.6	0.0	0.0	0.0	2,811.1
Environmental Protection Agency	3,782.4	135.6	363.4	0.0	3,283.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	20,283.2	502.9	7,400.9	0.0	11,286.4	0.0	1,092.9	0.0	0.0
National Science Foundation	108,386.0	0.0	3,545.1	0.0	100,088.6	0.0	4,752.3	0.0	0.0
West Virginia	171,448.8	97,055.1	28,929.8	0.0	28,595.4	220.9	11,480.5	0.0	5,167.2
Department of Agriculture	26,764.8	20,220.1	0.0	0.0	6,544.7	0.0	0.0	0.0	0.0
Department of Defense, research	2,719.5	341.6	83.8	0.0	1,194.1	0.0	1,100.0	0.0	0.0
Department of Defense, total development ^b	16,348.2	9,830.8	3,734.3	0.0	77.8	220.9	2,484.3	0.0	0.0
Department of Energy	74,204.8	49,961.6	22,683.0	0.0	200.0	0.0	1,122.1	0.0	238.2
Department of Health and Human Services	32,473.0	11,925.6	769.4	0.0	19,069.6	0.0	0.0	0.0	708.4
Department of Homeland Security	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	5,183.9	4,775.4	0.0	0.0	340.3	0.0	0.0	0.0	68.2
Department of Transportation	152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152.5
Environmental Protection Agency	105.4	0.0	105.4	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	3,211.3	0.0	1,552.6	0.0	974.4	0.0	684.3	0.0	0.0
National Science Foundation	10,284.2	0.0	0.0	0.0	194.5	0.0	6,089.8	0.0	4,000.0
Wisconsin	654,032.7	49,332.5	50,672.9	0.0	535,409.4	0.0	14,510.1	0.0	4,107.8
Department of Agriculture	48,616.2	35,035.1	43.8	0.0	13,395.7	0.0	141.5	0.0	0.0
Department of Commerce	2,405.5	0.0	0.0	0.0	2,357.5	0.0	48.0	0.0	0.0
Department of Defense, research	11,588.7	174.2	794.8	0.0	10,587.6	0.0	32.0	0.0	0.0
Department of Defense, total development ^b	23,655.5	4,068.3	18,008.0	0.0	1,579.2	0.0	0.0	0.0	0.0
Department of Energy	51,491.6	0.0	1,139.7	0.0	50,351.9	0.0	0.0	0.0	0.0
Department of Health and Human Services	379,310.6	0.0	19,183.5	0.0	345,197.1	0.0	13,990.0	0.0	940.1

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Department of Homeland Security	39.4	0.0	39.4	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	8,186.8	7,342.7	0.0	0.0	829.6	0.0	14.6	0.0	0.0
Department of Transportation	11,776.1	2,712.1	3,336.2	0.0	2,699.7	0.0	0.0	0.0	3,028.1
Environmental Protection Agency	1,723.6	0.0	1,401.2	0.0	322.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	14,713.4	0.0	3,502.1	0.0	11,168.7	0.0	42.6	0.0	0.0
National Science Foundation	100,525.4	0.0	3,224.1	0.0	96,920.2	0.0	241.4	0.0	139.6
Wyoming	41,206.8	9,123.1	1,402.1	0.0	27,911.2	0.0	1,308.6	0.0	1,462.0
Department of Agriculture	4,863.1	2,126.3	0.0	0.0	2,736.8	0.0	0.0	0.0	0.0
Department of Defense, research	476.6	14.7	0.0	0.0	461.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	919.5	20.0	899.5	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	4,008.3	0.0	200.2	0.0	2,499.6	0.0	1,308.6	0.0	0.0
Department of Health and Human Services	7,774.6	0.0	302.4	0.0	7,379.0	0.0	0.0	0.0	93.2
Department of the Interior	7,599.0	6,962.1	0.0	0.0	543.7	0.0	0.0	0.0	93.2
Department of Transportation	1,275.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,275.6
National Aeronautics and Space Administration	498.4	0.0	0.0	0.0	498.4	0.0	0.0	0.0	0.0
National Science Foundation	13,791.6	0.0	0.0	0.0	13,791.6	0.0	0.0	0.0	0.0
Outlying areas	228,644.1	156,574.5	887.7	0.0	69,737.4	0.0	574.8	0.0	869.7
Department of Agriculture	14,954.4	5,913.2	0.0	0.0	8,932.6	0.0	108.6	0.0	0.0
Department of Commerce	993.6	192.0	0.0	0.0	801.6	0.0	0.0	0.0	0.0
Department of Defense, research	986.7	93.2	110.0	0.0	783.5	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	92,905.6	92,902.6	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Department of Energy	173.7	0.0	0.0	0.0	173.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	89,642.4	33,580.2	525.0	0.0	54,667.5	0.0	0.0	0.0	869.7
Department of the Interior	24,246.9	23,893.3	0.0	0.0	353.6	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	312.5	0.0	102.9	0.0	209.6	0.0	0.0	0.0	0.0
National Science Foundation	4,428.3	0.0	149.8	0.0	3,812.2	0.0	466.3	0.0	0.0
Puerto Rico	82,562.5	20,353.0	155.1	0.0	60,609.8	0.0	574.8	0.0	869.7
Department of Agriculture	9,883.7	5,421.5	0.0	0.0	4,353.6	0.0	108.6	0.0	0.0
Department of Commerce	304.0	0.0	0.0	0.0	304.0	0.0	0.0	0.0	0.0
Department of Defense, research	821.7	38.2	0.0	0.0	783.5	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Department of Energy	173.7	0.0	0.0	0.0	173.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	52,758.7	0.0	0.0	0.0	51,889.0	0.0	0.0	0.0	869.7
Department of the Interior	15,130.1	14,893.3	0.0	0.0	236.9	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	215.0	0.0	5.4	0.0	209.6	0.0	0.0	0.0	0.0
National Science Foundation	3,272.6	0.0	149.8	0.0	2,656.5	0.0	466.3	0.0	0.0

TABLE 104. Federal obligations for research and development, by state or location, selected agency, and performer: FY 2013
(Dollars in thousands)

State or location and agency	Total	Intramural ^a	Extramural						
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments
Other areas ^c	146,081.7	136,221.5	732.6	0.0	9,127.6	0.0	0.0	0.0	0.0
Department of Agriculture	5,070.7	491.7	0.0	0.0	4,579.0	0.0	0.0	0.0	0.0
Department of Commerce	689.6	192.0	0.0	0.0	497.6	0.0	0.0	0.0	0.0
Department of Defense, research	165.0	55.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	92,902.6	92,902.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	36,883.7	33,580.2	525.0	0.0	2,778.5	0.0	0.0	0.0	0.0
Department of the Interior	9,116.8	9,000.0	0.0	0.0	116.8	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	97.6	0.0	97.6	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	1,155.7	0.0	0.0	0.0	1,155.7	0.0	0.0	0.0	0.0
Offices abroad ^d	165,527.9	165,091.9	431.0	0.0	5.0	0.0	0.0	0.0	0.0
Department of Defense, research	5,720.3	5,720.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	156,621.6	156,586.6	35.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	396.0	0.0	396.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	2,785.0	2,785.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
Undistributable ^e	15,210,756.1	4,112,298.0	11,098,458.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	15,210,756.1	4,112,298.0	11,098,458.1	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than \$0 but less than \$50.

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with the administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

^b Department of Defense development obligations have been reported in two categories, advanced technology and major systems, since volume 44 (FYs 1994–96). Geographic data for these categories are not reported; therefore, this table shows only total development.

^c Includes America Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

^d Includes R&D performed or administered in foreign countries by the U.S. government.

^e Contains obligations for which the location of performance cannot be determined.

NOTES: Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense (DOD), Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D obligations in FY 2013. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2013–15.