

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Alabama	3,476,887.4	1,409,914.0	1,643,761.5	0.0	372,748.4	0.0	32,316.5	0.0	18,147.0
Department of Agriculture	29,187.4	9,981.2	0.0	0.0	18,768.0	0.0	0.0	0.0	438.2
Department of Commerce	374.4	1.1	0.0	0.0	298.3	0.0	37.0	0.0	38.0
Department of Defense, research	143,889.4	79,348.3	54,466.6	0.0	9,924.5	0.0	150.0	0.0	0.0
Department of Defense, total development ^b	2,439,616.2	1,202,859.8	1,218,732.0	0.0	6,364.6	0.0	809.8	0.0	10,850.0
Department of Energy	43,980.5	325.0	20,253.2	0.0	11,422.4	0.0	9,908.6	0.0	2,071.4
Department of Health and Human Services	319,019.3	*	5,711.6	0.0	292,600.5	0.0	20,571.8	0.0	135.4
Department of Homeland Security	358.6	235.0	123.6	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	11,146.1	9,583.9	0.0	0.0	674.1	0.0	0.0	0.0	888.2
Department of Transportation	6,330.4	5.7	9.8	0.0	2,589.2	0.0	0.0	0.0	3,725.8
Environmental Protection Agency ^f	161.5	0.0	58.0	0.0	0.0	0.0	103.5	0.0	0.0
National Aeronautics and Space Administration	459,352.6	107,574.1	343,607.0	0.0	7,884.1	0.0	287.4	0.0	0.0
National Science Foundation	23,470.9	0.0	799.8	0.0	22,222.7	0.0	448.4	0.0	0.0
Alaska	235,562.4	88,718.9	58,945.4	0.0	79,918.5	0.0	3,798.7	0.0	4,181.0
Department of Agriculture	17,913.9	13,509.6	0.0	0.0	4,348.3	0.0	35.0	0.0	21.0
Department of Commerce	11,082.6	4,605.0	0.0	0.0	4,996.5	0.0	408.0	0.0	1,073.0
Department of Defense, research	18,820.1	175.0	17,030.3	0.0	1,445.8	0.0	169.0	0.0	0.0
Department of Defense, total development ^b	86,034.0	23,456.8	40,003.9	0.0	22,573.2	0.0	0.0	0.0	0.0
Department of Energy	4,460.3	0.0	200.6	0.0	4,239.8	0.0	20.0	0.0	0.0
Department of Health and Human Services	14,479.9	411.8	256.9	0.0	13,186.7	0.0	250.0	0.0	374.6
Department of the Interior	55,837.3	46,560.6	499.8	0.0	6,461.2	0.0	205.4	0.0	2,110.3
Department of Transportation	884.2	0.0	55.9	0.0	226.2	0.0	0.0	0.0	602.1
Environmental Protection Agency ^f	981.6	0.0	0.0	0.0	0.0	0.0	981.6	0.0	0.0
National Aeronautics and Space Administration	2,879.7	0.0	828.3	0.0	2,051.4	0.0	0.0	0.0	0.0
National Science Foundation	22,188.6	0.0	69.7	0.0	20,389.3	0.0	1,729.7	0.0	0.0
Arizona	3,425,570.8	372,224.0	2,536,475.2	0.0	396,716.4	68,155.0	45,040.1	0.0	6,960.1
Department of Agriculture	26,280.7	19,299.2	0.0	0.0	6,905.1	0.0	23.2	0.0	53.3
Department of Commerce	5,177.6	608.0	421.3	0.0	4,148.3	0.0	0.0	0.0	0.0
Department of Defense, research	93,577.1	11,125.4	42,973.8	0.0	37,770.9	0.0	1,707.0	0.0	0.0
Department of Defense, total development ^b	2,737,328.2	281,644.1	2,435,984.1	0.0	14,370.1	96.7	1.0	0.0	5,232.2
Department of Energy	31,282.5	0.0	10,618.1	0.0	20,664.4	0.0	0.0	0.0	0.0
Department of Health and Human Services	208,824.1	6,082.2	15,662.5	0.0	152,716.0	0.0	34,163.5	0.0	200.0
Department of Homeland Security	30,978.0	23,188.3	1,150.4	0.0	6,639.3	0.0	0.0	0.0	0.0
Department of the Interior	33,438.7	29,005.5	234.8	0.0	3,234.5	0.0	0.0	0.0	963.9
Department of Transportation	8,272.6	644.7	3,835.8	0.0	50.0	0.0	3,464.5	0.0	277.5
Environmental Protection Agency ^f	811.4	0.0	232.9	0.0	578.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	91,509.5	626.5	22,520.1	0.0	64,653.5	67.7	3,641.7	0.0	0.0
National Science Foundation	158,090.5	0.0	2,841.5	0.0	84,986.1	67,990.6	2,039.3	0.0	233.1

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			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Arkansas	181,782.7	25,921.3	27,470.0	0.0	97,284.2	0.0	20,714.1	0.0	10,393.1
Department of Agriculture	41,747.6	19,234.1	0.0	0.0	12,291.7	0.0	9,825.1	0.0	396.7
Department of Commerce	28.0	5.4	0.0	0.0	22.6	0.0	0.0	0.0	0.0
Department of Defense, research	6,054.6	0.0	2,399.0	0.0	3,655.6	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	21,902.5	3,752.5	11,641.5	0.0	5,500.6	0.0	1,008.0	0.0	0.0
Department of Energy	5,037.5	0.0	4,414.6	0.0	623.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	83,310.8	54.4	7,343.7	0.0	65,029.0	0.0	9,881.1	0.0	1,002.5
Department of Homeland Security	645.5	0.0	*	0.0	645.0	0.0	0.0	0.0	0.0
Department of the Interior	3,566.2	2,874.9	0.0	0.0	453.1	0.0	0.0	0.0	238.2
Department of Transportation	912.4	0.0	1.3	0.0	155.3	0.0	0.0	0.0	755.7
National Aeronautics and Space Administration	625.3	0.0	215.6	0.0	409.7	0.0	0.0	0.0	0.0
National Science Foundation	17,952.4	0.0	1,453.8	0.0	8,498.6	0.0	0.0	0.0	8,000.0
California	27,226,903.1	2,747,305.9	15,839,370.9	910,213.0	4,396,351.1	1,834,627.8	1,217,240.5	250,041.6	31,752.3
Department of Agriculture	133,336.6	96,599.9	146.5	0.0	35,830.8	0.0	642.8	0.0	116.7
Department of Commerce	38,351.8	195.1	17,109.4	0.0	18,391.4	0.0	2,640.0	0.0	16.0
Department of Defense, research	1,035,794.9	150,505.5	482,418.2	26,211.3	317,702.7	4,410.3	50,547.4	3,999.4	0.0
Department of Defense, total development ^b	16,712,375.2	2,225,249.9	14,105,142.2	47,526.7	66,616.2	6,744.4	19,275.5	237,377.1	4,443.2
Department of Energy	2,078,795.6	1,228.3	175,677.2	833,005.1	249,550.4	792,341.0	17,498.1	0.0	9,495.3
Department of Health and Human Services	4,337,104.1	273.0	245,027.5	2,335.2	2,961,316.3	42,032.7	1,077,984.8	0.0	8,134.6
Department of Homeland Security	85,689.9	15,057.2	27,768.5	1,134.6	10,338.0	31,391.6	0.0	0.0	0.0
Department of the Interior	96,544.6	82,858.5	1,610.5	0.0	10,801.7	0.0	274.2	0.0	999.7
Department of Transportation	32,877.3	12,570.3	7,771.7	0.0	2,784.6	989.1	525.4	0.0	8,236.2
Environmental Protection Agency ^f	14,346.2	0.0	3,817.9	0.0	9,451.6	0.0	766.1	0.0	310.6
National Aeronautics and Space Administration	1,890,961.8	86,690.2	741,009.0	0.0	89,598.3	956,718.5	8,685.4	8,260.4	0.0
National Science Foundation	770,725.0	76,078.0	31,872.4	0.0	623,969.2	0.0	38,400.8	404.7	0.0
Colorado	4,348,332.5	282,578.0	2,854,418.0	0.0	554,955.5	37,578.8	255,698.7	352,857.6	10,245.8
Department of Agriculture	47,023.6	34,128.3	198.0	0.0	12,395.3	0.0	261.9	0.0	40.1
Department of Commerce	182,835.8	139,181.7	3,857.2	0.0	27,070.2	12,655.7	71.0	0.0	0.0
Department of Defense, research	87,811.8	12,012.3	50,947.4	0.0	23,920.8	650.0	161.4	60.0	60.0
Department of Defense, total development ^b	1,365,503.2	58,647.0	1,294,193.8	0.0	6,439.5	5,365.8	375.0	482.1	0.0
Department of Energy	410,691.4	318.0	25,427.7	0.0	26,321.6	0.0	6,465.6	352,158.5	0.0
Department of Health and Human Services	432,391.0	399.9	27,520.5	0.0	316,414.4	0.0	82,505.0	0.0	5,551.3
Department of Homeland Security	17,894.8	2,043.4	2,689.4	0.0	1,304.3	11,857.7	0.0	0.0	0.0
Department of the Interior	26,888.1	21,959.6	686.7	0.0	3,923.8	0.0	17.7	157.0	143.2
Department of Transportation	21,200.2	6,637.1	8,334.9	0.0	2,403.2	0.0	8.2	0.0	3,816.8
Environmental Protection Agency ^f	377.9	0.0	377.9	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,455,553.4	5,913.1	1,402,198.4	0.0	39,418.1	7,049.6	974.2	0.0	0.0
National Science Foundation	300,161.3	1,337.6	37,986.2	0.0	95,344.3	0.0	164,858.7	0.0	634.4

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Connecticut	2,193,458.5	22,606.4	1,452,951.9	0.0	684,434.0	0.0	25,391.3	0.0	8,074.9
Department of Agriculture	11,348.8	2,759.7	0.0	0.0	6,159.6	0.0	8.0	0.0	2,421.6
Department of Commerce	1,963.7	0.9	128.7	0.0	912.1	0.0	922.0	0.0	0.0
Department of Defense, research	119,046.3	2,357.2	38,942.0	0.0	76,798.7	0.0	948.3	0.0	0.0
Department of Defense, total development ^b	1,363,424.8	8,772.2	1,354,179.3	0.0	473.3	0.0	0.0	0.0	0.0
Department of Energy	33,739.9	170.3	19,887.6	0.0	13,682.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	577,775.3	0.0	14,387.0	0.0	535,576.5	0.0	22,960.0	0.0	4,851.8
Department of Homeland Security	14,806.7	7,528.7	5,690.0	0.0	1,588.0	0.0	0.0	0.0	0.0
Department of the Interior	1,104.6	923.3	71.0	0.0	110.3	0.0	0.0	0.0	0.0
Department of Transportation	1,164.2	8.3	276.9	0.0	77.4	0.0	0.0	0.0	801.6
Environmental Protection Agency ^f	72.5	0.0	72.5	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	18,051.7	85.7	16,683.2	0.0	1,282.8	0.0	0.0	0.0	0.0
National Science Foundation	50,960.0	0.0	2,633.7	0.0	47,773.4	0.0	552.9	0.0	0.0
Delaware	129,091.3	5,589.7	29,368.2	0.0	85,278.6	0.0	8,854.8	0.0	0.0
Department of Agriculture	5,786.2	1,966.8	0.0	0.0	3,819.4	0.0	0.0	0.0	0.0
Department of Commerce	2,571.8	0.0	0.9	0.0	2,570.8	0.0	0.0	0.0	0.0
Department of Defense, research	14,765.4	68.5	2,420.9	0.0	12,276.0	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	17,502.5	1,452.5	14,092.0	0.0	1,958.0	0.0	0.0	0.0	0.0
Department of Energy	18,077.0	0.0	9,054.0	0.0	9,023.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	34,093.3	0.0	324.0	0.0	28,593.6	0.0	5,175.7	0.0	0.0
Department of the Interior	2,379.9	2,101.9	0.0	0.0	278.0	0.0	0.0	0.0	0.0
Department of Transportation	2,975.5	0.0	50.5	0.0	0.0	0.0	2,925.0	0.0	0.0
Environmental Protection Agency ^f	175.1	0.0	0.0	0.0	0.0	0.0	175.1	0.0	0.0
National Aeronautics and Space Administration	4,560.2	0.0	2,919.5	0.0	1,640.7	0.0	0.0	0.0	0.0
National Science Foundation	26,204.3	0.0	506.3	0.0	25,119.0	0.0	579.0	0.0	0.0
District of Columbia	3,890,121.4	2,551,106.0	790,531.9	0.0	200,478.0	0.0	305,304.5	3,990.9	38,710.1
Department of Agriculture	338,728.3	314,739.8	19,074.0	0.0	2,472.0	0.0	1,265.1	0.0	1,177.3
Department of Commerce	32,994.0	22,777.0	1,499.6	0.0	911.7	0.0	7,805.6	0.0	0.0
Department of Defense, research	325,791.2	288,979.7	17,095.7	0.0	6,750.3	0.0	12,965.5	0.0	0.0
Department of Defense, total development ^b	1,551,453.0	953,309.4	568,887.6	0.0	10,526.3	0.0	16,252.7	2,477.0	0.0
Department of Energy	809,617.5	780,354.3	2,196.4	0.0	2,111.8	0.0	24,955.1	0.0	0.0
Department of Health and Human Services	312,166.0	7,262.3	50,791.2	0.0	157,440.1	0.0	95,028.4	0.0	1,644.0
Department of Homeland Security	40,071.5	30,995.7	2,782.2	0.0	709.1	0.0	5,584.5	0.0	0.0
Department of the Interior	2,998.7	2,754.6	150.9	0.0	0.0	0.0	73.2	0.0	20.0
Department of Transportation	220,895.4	68,625.1	98,759.5	0.0	627.0	0.0	15,501.1	1,513.9	35,868.8
Environmental Protection Agency ^f	64,623.5	56,995.2	3,643.4	0.0	0.0	0.0	3,984.9	0.0	0.0
National Aeronautics and Space Administration	30,376.1	14,949.1	6,589.4	0.0	4,544.9	0.0	4,292.6	0.0	0.0
National Science Foundation	160,406.3	9,363.9	19,061.9	0.0	14,384.8	0.0	117,595.7	0.0	0.0

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Florida	3,142,237.2	708,819.4	1,499,336.9	0.0	803,280.7	0.0	121,219.9	0.0	9,580.2
Department of Agriculture	71,995.6	43,691.1	0.0	0.0	27,825.1	0.0	0.0	0.0	479.4
Department of Commerce	40,392.5	23,032.1	1,767.9	0.0	15,080.4	0.0	362.0	0.0	150.0
Department of Defense, research	217,560.2	70,964.5	47,511.7	0.0	84,678.8	0.0	14,405.3	0.0	0.0
Department of Defense, total development ^b	1,863,088.8	481,887.7	1,339,569.2	0.0	29,479.8	0.0	12,152.2	0.0	0.0
Department of Energy	40,848.0	551.3	10,839.6	0.0	28,011.3	0.0	1,445.7	0.0	0.0
Department of Health and Human Services	568,876.0	58.1	22,955.0	0.0	454,039.6	0.0	89,572.9	0.0	2,250.4
Department of Homeland Security	4,098.5	1,000.7	2,493.8	0.0	604.0	0.0	0.0	0.0	0.0
Department of the Interior	30,808.1	21,991.8	2,540.5	0.0	4,679.3	0.0	1,035.8	0.0	560.6
Department of Transportation	24,958.5	198.1	15,591.7	0.0	2,476.6	0.0	1,345.7	0.0	5,346.5
Environmental Protection Agency ^c	15,454.8	15,266.8	188.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	113,980.3	50,177.2	53,072.6	0.0	10,730.5	0.0	0.0	0.0	0.0
National Science Foundation	150,175.9	0.0	2,807.0	0.0	145,675.3	0.0	900.3	0.0	793.3
Georgia	1,519,953.6	154,326.8	582,157.7	0.0	750,846.5	0.0	25,416.4	0.0	7,206.2
Department of Agriculture	74,718.7	54,650.0	0.0	0.0	19,583.6	0.0	0.0	0.0	485.1
Department of Commerce	3,210.4	1.1	1,833.1	0.0	1,325.1	0.0	0.0	0.0	51.0
Department of Defense, research	70,083.3	4,273.8	20,285.7	0.0	41,687.7	0.0	3,836.2	0.0	0.0
Department of Defense, total development ^b	524,848.2	18,084.3	485,354.9	0.0	20,343.5	0.0	1,065.5	0.0	0.0
Department of Energy	46,487.2	0.0	3,980.6	0.0	25,477.0	0.0	17,029.7	0.0	0.0
Department of Health and Human Services	643,616.3	53,470.0	58,071.2	0.0	527,275.0	0.0	2,250.3	0.0	2,549.8
Department of Homeland Security	9,527.7	8,784.0	271.2	0.0	0.0	0.0	472.4	0.0	0.0
Department of the Interior	8,397.4	7,255.1	27.0	0.0	897.0	0.0	0.0	0.0	218.3
Department of Transportation	11,219.1	41.3	2,840.6	0.0	4,435.2	0.0	0.0	0.0	3,901.9
Environmental Protection Agency ^c	10,903.0	7,686.5	334.4	0.0	2,867.5	0.0	14.5	0.0	0.0
National Aeronautics and Space Administration	12,010.1	80.7	4,497.8	0.0	7,428.5	0.0	3.0	0.0	0.0
National Science Foundation	104,932.2	0.0	4,661.1	0.0	99,526.3	0.0	744.8	0.0	0.0
Hawaii	389,446.7	96,788.4	77,283.7	0.0	196,387.0	0.0	16,412.7	0.0	2,574.9
Department of Agriculture	22,960.5	11,407.2	0.0	0.0	7,502.5	0.0	4,050.7	0.0	0.0
Department of Commerce	17,743.6	3,031.8	18.0	0.0	13,525.9	0.0	1,154.0	0.0	14.0
Department of Defense, research	41,999.1	693.9	22,864.7	0.0	18,270.5	0.0	170.0	0.0	0.0
Department of Defense, total development ^b	143,424.6	63,352.8	47,129.0	0.0	30,935.8	0.0	486.9	0.0	1,520.0
Department of Energy	5,766.6	0.0	0.0	0.0	5,766.6	0.0	0.0	0.0	0.0
Department of Health and Human Services	72,105.9	0.0	4,491.9	0.0	57,871.6	0.0	9,470.3	0.0	272.1
Department of Homeland Security	3,200.0	0.0	0.0	0.0	3,200.0	0.0	0.0	0.0	0.0
Department of the Interior	19,665.9	17,049.3	0.0	0.0	2,576.7	0.0	40.0	0.0	0.0
Department of Transportation	757.9	39.0	0.8	0.0	0.0	0.0	0.0	0.0	718.2
National Aeronautics and Space Administration	13,215.7	1,214.5	1,378.4	0.0	10,572.3	0.0	0.0	0.0	50.6
National Science Foundation	48,606.9	0.0	1,401.0	0.0	46,165.2	0.0	1,040.7	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Idaho	478,994.6	50,364.1	117,481.5	237,465.4	69,033.9	0.0	3,509.6	0.0	1,140.2
Department of Agriculture	27,838.0	18,475.6	100.0	0.0	9,171.5	0.0	0.0	0.0	90.9
Department of Commerce	850.9	362.0	0.0	0.0	342.0	0.0	0.0	0.0	146.9
Department of Defense, research	17,508.1	1,236.1	2,178.3	538.7	13,554.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	46,222.8	12,423.2	19,424.4	11,870.9	2,504.3	0.0	0.0	0.0	0.0
Department of Energy	336,239.0	0.0	93,283.4	223,621.6	16,920.5	0.0	2,413.6	0.0	0.0
Department of Health and Human Services	11,625.1	0.0	0.0	0.0	10,182.6	0.0	1,096.0	0.0	346.5
Department of Homeland Security	1,642.3	0.0	0.0	1,434.3	208.0	0.0	0.0	0.0	0.0
Department of the Interior	23,182.6	17,697.7	1,946.0	0.0	3,461.4	0.0	0.0	0.0	77.5
Department of Transportation	704.5	0.0	2.5	0.0	223.7	0.0	0.0	0.0	478.3
National Aeronautics and Space Administration	1,180.9	169.4	249.8	0.0	761.6	0.0	0.0	0.0	0.0
National Science Foundation	12,000.4	0.0	297.1	0.0	11,703.3	0.0	0.0	0.0	0.0
Illinois	2,631,274.2	204,338.2	288,540.2	0.0	1,203,646.8	813,375.4	116,846.1	0.0	4,527.4
Department of Agriculture	65,232.9	47,197.9	0.0	0.0	17,431.8	0.0	395.9	0.0	207.3
Department of Commerce	5,422.7	1.3	3,092.7	0.0	2,309.7	0.0	19.0	0.0	0.0
Department of Defense, research	126,124.1	18,128.3	32,947.7	0.0	63,940.9	3,931.0	7,176.2	0.0	0.0
Department of Defense, total development ^b	290,625.0	107,835.2	161,503.1	0.0	12,419.6	3,935.0	4,932.1	0.0	0.0
Department of Energy	916,679.0	5,683.5	3,313.3	0.0	105,836.0	798,756.9	3,089.3	0.0	0.0
Department of Health and Human Services	937,039.0	177.4	29,555.0	0.0	816,738.4	6,538.8	83,225.4	0.0	803.9
Department of Homeland Security	1,038.2	0.0	438.2	0.0	500.0	100.0	0.0	0.0	0.0
Department of the Interior	18,581.6	16,178.0	0.0	0.0	2,172.1	15.0	0.0	0.0	216.5
Department of Transportation	30,626.9	3,452.0	14,059.2	0.0	2,799.9	0.0	7,016.0	0.0	3,299.8
Environmental Protection Agency ^c	8,009.4	0.0	5,749.2	0.0	1,587.2	0.0	672.9	0.0	0.0
National Aeronautics and Space Administration	43,901.6	3,717.4	33,765.3	0.0	6,314.0	98.7	6.2	0.0	0.0
National Science Foundation	187,994.0	1,967.2	4,116.5	0.0	171,597.3	0.0	10,313.1	0.0	0.0
Indiana	988,687.7	165,351.7	343,259.1	0.0	476,034.8	0.0	1,981.0	0.0	2,061.2
Department of Agriculture	24,949.7	7,191.4	0.0	0.0	17,576.8	0.0	0.0	0.0	181.5
Department of Commerce	3,233.8	1.4	0.0	0.0	3,232.5	0.0	0.0	0.0	0.0
Department of Defense, research	55,688.8	12,508.9	13,411.4	0.0	28,944.4	0.0	799.0	0.0	25.0
Department of Defense, total development ^b	427,641.7	139,506.8	286,273.3	0.0	371.6	0.0	0.0	0.0	1,490.0
Department of Energy	39,994.1	0.0	6,763.4	0.0	33,230.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	264,633.5	0.0	9,330.6	0.0	253,969.2	0.0	1,171.9	0.0	161.8
Department of Homeland Security	9,146.4	0.0	3,609.5	0.0	5,536.9	0.0	0.0	0.0	0.0
Department of the Interior	1,624.6	1,385.9	9.0	0.0	135.2	0.0	0.0	0.0	94.5
Department of Transportation	26,512.2	4,566.6	19,588.1	0.0	2,249.1	0.0	0.0	0.0	108.4
Environmental Protection Agency ^c	226.7	0.0	72.5	0.0	154.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	6,363.5	190.7	1,793.0	0.0	4,369.8	0.0	10.0	0.0	0.0
National Science Foundation	128,672.7	0.0	2,408.3	0.0	126,264.4	0.0	0.0	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Iowa	909,096.3	63,985.1	471,567.2	0.0	331,929.3	24,318.3	13,690.7	0.0	3,605.6
Department of Agriculture	72,706.8	54,404.0	0.0	0.0	17,914.6	0.0	385.3	0.0	2.9
Department of Commerce	467.2	1.6	0.0	0.0	465.6	0.0	0.0	0.0	0.0
Department of Defense, research	37,609.0	14.3	28,980.1	0.0	8,614.6	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	442,698.7	1,508.6	433,747.1	0.0	7,443.1	0.0	0.0	0.0	0.0
Department of Energy	42,967.2	0.0	0.0	0.0	13,054.9	23,848.3	6,064.0	0.0	0.0
Department of Health and Human Services	251,171.3	1,000.0	4,562.4	0.0	237,847.6	0.0	6,931.9	0.0	829.3
Department of Homeland Security	541.6	0.0	160.5	0.0	381.1	0.0	0.0	0.0	0.0
Department of the Interior	2,849.2	2,451.5	43.8	0.0	284.0	0.0	0.0	0.0	70.0
Department of Transportation	12,356.4	4,604.0	2,100.8	0.0	2,594.6	470.1	0.0	0.0	2,587.0
Environmental Protection Agency ^c	1,033.1	0.0	0.0	0.0	723.5	0.0	309.5	0.0	0.0
National Aeronautics and Space Administration	3,203.6	1.2	723.6	0.0	2,478.8	0.0	0.0	0.0	0.0
National Science Foundation	41,492.3	0.0	1,248.9	0.0	40,127.0	0.0	0.0	0.0	116.4
Kansas	347,528.5	21,052.3	119,869.0	0.0	198,444.8	0.0	6,402.1	0.0	1,760.2
Department of Agriculture	29,023.8	14,369.1	0.0	0.0	14,577.9	0.0	0.0	0.0	76.8
Department of Commerce	160.8	2.8	0.0	0.0	158.0	0.0	0.0	0.0	0.0
Department of Defense, research	11,915.3	555.8	328.5	0.0	8,812.1	0.0	2,218.8	0.0	0.0
Department of Defense, total development ^b	115,991.1	2,251.8	110,216.0	0.0	3,523.4	0.0	0.0	0.0	0.0
Department of Energy	10,659.4	0.0	449.2	0.0	10,165.2	0.0	45.0	0.0	0.0
Department of Health and Human Services	125,921.9	0.0	4,503.1	0.0	117,321.8	0.0	4,097.0	0.0	0.0
Department of Homeland Security	2,000.2	0.0	*	0.0	2,000.0	0.0	0.0	0.0	0.0
Department of the Interior	4,472.4	3,867.3	0.0	0.0	605.1	0.0	0.0	0.0	0.0
Department of Transportation	3,866.0	0.0	14.0	0.0	2,318.4	0.0	0.0	0.0	1,533.6
Environmental Protection Agency ^c	1,831.6	0.0	893.5	0.0	931.8	0.0	6.4	0.0	0.0
National Aeronautics and Space Administration	4,443.1	5.5	3,264.5	0.0	1,173.1	0.0	0.0	0.0	0.0
National Science Foundation	37,243.0	0.0	200.0	0.0	36,858.2	0.0	35.0	0.0	149.9
Kentucky	287,437.3	23,720.2	30,205.3	0.0	219,249.5	0.0	9,604.8	0.0	4,657.6
Department of Agriculture	19,336.5	3,614.0	0.0	0.0	15,477.9	0.0	0.0	0.0	244.5
Department of Commerce	1,730.7	1.1	1.0	0.0	1,728.5	0.0	0.0	0.0	0.0
Department of Defense, research	17,394.7	13,004.1	834.7	0.0	3,555.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	23,353.7	5,372.0	13,588.7	0.0	4,393.0	0.0	0.0	0.0	0.0
Department of Energy	6,792.6	0.0	100.0	0.0	6,692.6	0.0	0.0	0.0	0.0
Department of Health and Human Services	182,797.5	0.0	12,351.8	0.0	169,977.1	0.0	0.0	0.0	468.6
Department of Homeland Security	10,133.3	0.0	433.3	0.0	450.0	0.0	9,250.0	0.0	0.0
Department of the Interior	848.7	738.6	0.0	0.0	100.1	0.0	0.0	0.0	10.0
Department of Transportation	5,141.3	986.8	1.3	0.0	628.5	0.0	251.4	0.0	3,273.3
Environmental Protection Agency ^c	570.1	0.0	0.0	0.0	570.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,300.9	3.5	514.1	0.0	783.3	0.0	0.0	0.0	0.0
National Science Foundation	18,037.4	0.0	2,380.4	0.0	14,892.3	0.0	103.4	0.0	661.3

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Louisiana	330,803.4	53,157.2	30,009.6	0.0	228,142.1	0.0	4,977.9	0.0	14,516.6
Department of Agriculture	54,506.7	39,584.9	0.0	0.0	14,445.6	0.0	151.1	0.0	325.1
Department of Commerce	1,264.2	9.0	0.0	0.0	1,202.2	0.0	0.0	0.0	53.0
Department of Defense, research	11,712.1	0.0	1,086.4	0.0	10,547.4	0.0	78.4	0.0	0.0
Department of Defense, total development ^b	32,050.0	2,609.1	20,258.5	0.0	6,932.4	0.0	2,250.0	0.0	0.0
Department of Energy	11,639.0	27.2	575.3	0.0	11,036.5	0.0	0.0	0.0	0.0
Department of Health and Human Services	163,344.2	2,934.5	2,989.2	0.0	154,488.2	0.0	2,409.2	0.0	523.2
Department of Homeland Security	66.2	16.2	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	11,239.2	7,976.3	360.4	0.0	2,902.5	0.0	0.0	0.0	0.0
Department of Transportation	9,093.2	0.0	1,088.0	0.0	117.0	0.0	89.2	0.0	7,799.0
Environmental Protection Agency ^c	15.5	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	4,479.7	0.0	2,688.0	0.0	1,791.7	0.0	0.0	0.0	0.0
National Science Foundation	31,393.4	0.0	913.9	0.0	24,663.1	0.0	0.0	0.0	5,816.4
Maine	163,103.2	18,075.8	29,885.9	0.0	32,372.8	0.0	80,955.3	0.0	1,813.3
Department of Agriculture	10,595.5	6,284.6	0.0	0.0	4,310.9	0.0	0.0	0.0	0.0
Department of Commerce	1,554.8	1.0	4.1	0.0	993.7	0.0	176.0	0.0	380.0
Department of Defense, research	10,244.3	812.4	4,977.5	0.0	4,313.5	0.0	140.9	0.0	0.0
Department of Defense, total development ^b	32,947.4	8,620.1	20,828.5	0.0	124.9	0.0	3,373.9	0.0	0.0
Department of Energy	409.3	0.0	0.0	0.0	0.0	0.0	409.3	0.0	0.0
Department of Health and Human Services	81,458.7	0.0	1,166.7	0.0	5,731.6	0.0	73,679.9	0.0	880.5
Department of Homeland Security	213.2	0.0	203.2	0.0	10.0	0.0	0.0	0.0	0.0
Department of the Interior	2,667.2	2,357.7	0.0	0.0	92.3	0.0	25.0	0.0	192.2
Department of Transportation	1,125.5	0.0	764.9	0.0	0.0	0.0	0.0	0.0	360.6
Environmental Protection Agency ^c	341.2	0.0	0.0	0.0	341.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,095.8	0.0	1,387.5	0.0	708.3	0.0	0.0	0.0	0.0
National Science Foundation	19,450.5	0.0	553.6	0.0	15,746.5	0.0	3,150.3	0.0	0.0
Maryland	15,879,006.4	9,896,297.2	3,350,809.1	626,612.2	1,677,548.2	0.0	315,397.9	40.0	12,301.9
Department of Agriculture	168,132.2	152,562.4	190.0	0.0	14,908.9	0.0	296.9	0.0	173.9
Department of Commerce	627,122.4	575,961.3	14,550.3	0.0	35,922.8	0.0	674.0	0.0	14.0
Department of Defense, research	704,220.1	441,922.2	168,858.4	0.0	84,327.9	0.0	9,111.6	0.0	0.0
Department of Defense, total development ^b	5,129,932.4	2,732,996.6	2,104,597.6	544.2	251,248.9	0.0	39,790.2	40.0	714.9
Department of Energy	48,100.8	8,998.6	4,835.4	0.0	28,574.0	0.0	5,692.9	0.0	0.0
Department of Health and Human Services	8,021,417.5	5,597,648.5	610,821.8	624,088.3	995,563.9	0.0	183,155.5	0.0	10,139.6
Department of Homeland Security	85,805.4	55,115.7	13,873.2	1,979.6	14,670.6	0.0	166.3	0.0	0.0
Department of the Interior	8,065.1	6,506.4	184.7	0.0	974.5	0.0	267.8	0.0	131.7
Department of Transportation	31,342.8	7,609.7	17,636.7	0.0	4,541.5	0.0	506.2	0.0	1,048.7

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency ^c	17,070.6	0.0	13,620.1	0.0	3,450.5	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	934,173.8	309,421.6	397,658.9	0.0	156,051.1	0.0	71,042.2	0.0	0.0
National Science Foundation	103,623.3	7,554.3	3,982.0	0.0	87,313.6	0.0	4,694.3	0.0	79.2
Massachusetts	8,747,479.4	834,547.7	3,782,236.4	0.0	1,823,459.3	320,706.4	1,800,626.1	180,201.6	5,702.0
Department of Agriculture	24,701.2	10,296.7	33.0	0.0	14,278.9	0.0	92.7	0.0	0.0
Department of Commerce	35,938.4	12,423.3	8,979.8	0.0	13,798.1	0.0	728.2	0.0	9.0
Department of Defense, research	491,233.3	60,818.7	232,347.4	0.0	132,186.0	47,474.7	17,908.0	498.5	0.0
Department of Defense, total development ^b	4,331,462.3	621,135.7	3,222,424.4	0.0	32,044.8	249,634.8	24,952.2	179,703.0	1,567.4
Department of Energy	179,168.4	6,679.8	37,242.5	0.0	129,259.8	0.0	5,986.2	0.0	0.0
Department of Health and Human Services	3,084,141.0	112.8	190,151.9	0.0	1,176,272.5	0.0	1,713,767.2	0.0	3,836.5
Department of Homeland Security	45,494.9	1,918.4	16,764.7	0.0	5,175.0	21,601.8	35.0	0.0	0.0
Department of the Interior	23,691.7	20,341.8	649.3	0.0	1,253.7	0.0	1,297.5	0.0	149.5
Department of Transportation	74,457.9	60,455.2	9,177.2	0.0	2,019.6	1,995.2	671.2	0.0	139.6
Environmental Protection Agency ^c	10,723.5	0.0	2,045.3	0.0	4,795.9	0.0	3,882.3	0.0	0.0
National Aeronautics and Space Administration	110,293.3	40,011.7	38,240.8	0.0	31,796.7	0.0	244.0	0.0	0.0
National Science Foundation	336,173.6	353.7	24,180.1	0.0	280,578.3	0.0	31,061.5	0.0	0.0
Michigan	2,509,681.3	480,220.9	945,456.8	0.0	1,034,654.7	0.0	46,118.0	0.0	3,230.9
Department of Agriculture	29,306.6	7,116.1	0.0	0.0	22,190.5	0.0	0.0	0.0	0.0
Department of Commerce	19,702.2	8,383.4	6,371.1	0.0	2,912.7	0.0	2,035.0	0.0	0.0
Department of Defense, research	110,398.6	34,868.0	22,204.0	0.0	53,326.6	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	1,148,287.0	410,150.9	708,867.5	0.0	19,196.8	0.0	10,071.7	0.0	0.0
Department of Energy	57,801.6	0.0	6,010.7	0.0	51,790.9	0.0	0.0	0.0	0.0
Department of Health and Human Services	941,538.8	454.1	185,057.6	0.0	723,016.1	0.0	30,895.1	0.0	2,115.9
Department of Homeland Security	706.1	0.0	706.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	15,377.8	13,131.7	288.0	0.0	1,700.1	0.0	0.0	0.0	258.0
Department of Transportation	15,094.6	4,610.5	4,848.8	0.0	2,162.6	0.0	2,786.5	0.0	686.2
Environmental Protection Agency ^c	4,477.5	1,449.5	0.0	0.0	2,701.9	0.0	155.3	0.0	170.8
National Aeronautics and Space Administration	18,071.0	56.9	5,504.3	0.0	12,509.8	0.0	0.0	0.0	0.0
National Science Foundation	148,919.7	0.0	5,598.6	0.0	143,146.5	0.0	174.5	0.0	0.0
Minnesota	1,062,555.8	61,116.2	285,036.2	0.0	457,383.3	0.0	253,740.8	0.0	5,279.3
Department of Agriculture	46,196.7	29,164.4	0.0	0.0	16,229.4	0.0	433.0	0.0	370.0
Department of Commerce	3,635.7	1.2	3,038.3	0.0	596.3	0.0	0.0	0.0	0.0
Department of Defense, research	42,532.4	364.6	29,979.5	0.0	11,614.9	0.0	573.3	0.0	0.0
Department of Defense, total development ^b	252,538.8	242.1	226,348.7	0.0	7,860.6	0.0	18,087.5	0.0	0.0
Department of Energy	9,406.0	0.0	0.0	0.0	9,406.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	582,823.7	218.6	16,537.6	0.0	329,203.7	0.0	234,004.0	0.0	2,859.8
Department of Homeland Security	5,570.2	0.0	1,505.2	0.0	4,065.0	0.0	0.0	0.0	0.0
Department of the Interior	11,883.9	10,228.6	0.0	0.0	1,276.2	0.0	0.0	0.0	379.1
Department of Transportation	2,137.3	3.1	438.3	0.0	20.0	0.0	5.5	0.0	1,670.4

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency ^c	21,045.2	20,784.1	0.0	0.0	121.3	0.0	139.8	0.0	0.0
National Aeronautics and Space Administration	9,449.8	109.5	5,734.2	0.0	3,363.3	0.0	242.8	0.0	0.0
National Science Foundation	75,336.1	0.0	1,454.6	0.0	73,626.6	0.0	254.9	0.0	0.0
Mississippi	421,612.7	164,412.8	99,066.0	0.0	155,250.4	0.0	922.8	0.0	1,960.6
Department of Agriculture	93,095.5	65,107.1	0.0	0.0	27,542.1	0.0	30.0	0.0	416.3
Department of Commerce	14,830.8	2.3	0.0	0.0	14,579.5	0.0	222.0	0.0	27.0
Department of Defense, research	45,990.9	28,371.7	1,696.9	0.0	15,922.4	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	164,846.4	48,610.5	86,231.1	0.0	30,004.8	0.0	0.0	0.0	0.0
Department of Energy	3,152.8	0.0	0.0	0.0	3,152.8	0.0	0.0	0.0	0.0
Department of Health and Human Services	41,582.8	0.0	580.4	0.0	40,250.6	0.0	246.7	0.0	505.1
Department of Homeland Security	12,411.2	10,252.7	0.6	0.0	2,158.0	0.0	0.0	0.0	0.0
Department of the Interior	9,673.3	7,485.3	68.0	0.0	1,918.6	0.0	10.0	0.0	191.3
Department of Transportation	1,297.6	0.0	1.7	0.0	475.0	0.0	0.0	0.0	820.9
Environmental Protection Agency ^c	414.1	0.0	0.0	0.0	0.0	0.0	414.1	0.0	0.0
National Aeronautics and Space Administration	17,005.8	4,583.3	10,354.1	0.0	2,068.4	0.0	0.0	0.0	0.0
National Science Foundation	17,311.5	0.0	133.2	0.0	17,178.3	0.0	0.0	0.0	0.0
Missouri	1,151,046.2	26,397.0	445,916.8	0.0	639,262.6	0.0	33,266.0	0.0	6,203.9
Department of Agriculture	33,540.0	14,678.8	0.0	0.0	18,378.2	0.0	483.0	0.0	0.0
Department of Commerce	4,893.5	268.5	4,425.1	0.0	199.9	0.0	0.0	0.0	0.0
Department of Defense, research	49,008.9	1,704.0	34,668.5	0.0	11,498.8	0.0	1,137.6	0.0	0.0
Department of Defense, total development ^b	390,100.4	4,363.3	381,946.4	0.0	3,421.8	0.0	368.9	0.0	0.0
Department of Energy	26,575.9	0.0	8,729.8	0.0	12,005.0	0.0	3,010.0	0.0	2,831.1
Department of Health and Human Services	587,144.7	12.6	7,835.5	0.0	552,735.1	0.0	25,735.6	0.0	826.0
Department of Homeland Security	1,962.5	0.0	0.0	0.0	0.0	0.0	1,962.5	0.0	0.0
Department of the Interior	5,947.0	5,179.0	0.0	0.0	539.8	0.0	38.7	0.0	189.6
Department of Transportation	4,899.5	0.0	194.8	0.0	2,347.5	0.0	0.0	0.0	2,357.3
Environmental Protection Agency ^c	526.3	0.0	0.0	0.0	526.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	12,743.3	190.8	6,067.1	0.0	6,485.5	0.0	0.0	0.0	0.0
National Science Foundation	33,704.0	0.0	2,049.5	0.0	31,124.7	0.0	529.8	0.0	0.0
Montana	139,222.1	29,216.9	23,275.2	0.0	76,193.1	0.0	8,272.9	0.0	2,263.9
Department of Agriculture	24,567.7	16,030.1	20.0	0.0	8,417.6	0.0	100.0	0.0	0.0
Department of Commerce	163.7	1.0	138.3	0.0	24.5	0.0	0.0	0.0	0.0
Department of Defense, research	5,822.9	31.7	830.0	0.0	4,961.2	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	22,536.9	451.2	15,651.8	0.0	5,090.0	0.0	1,343.9	0.0	0.0
Department of Energy	7,689.8	0.0	0.0	0.0	6,112.7	0.0	1,577.1	0.0	0.0
Department of Health and Human Services	41,280.1	589.8	2,479.5	0.0	32,959.0	0.0	5,251.8	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Homeland Security	124.5	0.0	124.5	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	14,397.9	12,113.2	977.4	0.0	1,307.3	0.0	0.0	0.0	0.0
Department of Transportation	763.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	763.9
Environmental Protection Agency ^f	271.2	0.0	72.5	0.0	198.8	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	5,565.2	0.0	1,877.7	0.0	3,687.4	0.0	0.0	0.0	0.0
National Science Foundation	16,038.2	0.0	1,103.6	0.0	13,434.6	0.0	0.0	0.0	1,500.0
Nebraska	239,814.4	34,055.6	33,860.2	0.0	163,289.2	0.0	6,476.7	0.0	2,132.7
Department of Agriculture	33,943.2	25,581.5	0.0	0.0	8,361.7	0.0	0.0	0.0	0.0
Department of Commerce	208.7	1.0	0.0	0.0	207.7	0.0	0.0	0.0	0.0
Department of Defense, research	20,311.9	612.4	6,647.8	0.0	13,051.8	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	34,941.4	2,553.0	23,562.3	0.0	8,826.2	0.0	0.0	0.0	0.0
Department of Energy	3,564.7	0.0	0.0	0.0	3,564.7	0.0	0.0	0.0	0.0
Department of Health and Human Services	107,092.4	0.0	814.5	0.0	99,584.5	0.0	6,170.7	0.0	522.7
Department of the Interior	6,132.8	5,301.9	0.0	0.0	724.9	0.0	106.0	0.0	0.0
Department of Transportation	6,070.1	0.0	2,457.9	0.0	2,002.2	0.0	0.0	0.0	1,610.0
Environmental Protection Agency ^f	644.3	0.0	0.0	0.0	644.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	645.5	5.9	32.1	0.0	607.4	0.0	0.0	0.0	0.0
National Science Foundation	26,259.3	0.0	345.5	0.0	25,713.8	0.0	200.0	0.0	0.0
Nevada	379,814.1	50,262.2	269,592.4	0.0	53,497.4	0.0	5,869.5	0.0	592.6
Department of Agriculture	6,614.1	1,712.1	0.0	0.0	4,644.2	0.0	257.8	0.0	0.0
Department of Commerce	83.1	1.1	0.0	0.0	82.0	0.0	0.0	0.0	0.0
Department of Defense, research	18,984.0	7,362.0	5,724.5	0.0	5,897.5	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	192,384.6	8,631.7	176,933.1	0.0	5,034.7	0.0	1,785.0	0.0	0.0
Department of Energy	84,084.4	0.0	77,096.5	0.0	4,926.0	0.0	2,062.0	0.0	0.0
Department of Health and Human Services	21,623.8	0.0	2,783.0	0.0	17,186.8	0.0	1,654.0	0.0	0.0
Department of Homeland Security	6,370.3	6,262.0	0.8	0.0	107.4	0.0	0.0	0.0	0.0
Department of the Interior	6,962.3	5,969.0	0.0	0.0	432.7	0.0	110.7	0.0	449.9
Department of Transportation	1,219.8	0.0	1,028.3	0.0	48.8	0.0	0.0	0.0	142.7
Environmental Protection Agency ^f	19,931.2	19,931.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	7,435.6	393.2	6,026.2	0.0	1,016.2	0.0	0.0	0.0	0.0
National Science Foundation	14,121.1	0.0	0.0	0.0	14,121.1	0.0	0.0	0.0	0.0
New Hampshire	350,470.6	26,089.4	172,290.7	0.0	147,737.8	0.0	3,845.6	0.0	507.2
Department of Agriculture	10,481.0	5,529.5	0.0	0.0	4,778.5	0.0	173.0	0.0	0.0
Department of Commerce	4,831.1	0.0	0.0	0.0	4,831.1	0.0	0.0	0.0	0.0
Department of Defense, research	34,396.3	6,560.5	23,529.7	0.0	3,411.8	0.0	894.4	0.0	0.0
Department of Defense, total development ^b	143,860.2	6,619.9	135,020.8	0.0	1,032.1	0.0	1,187.5	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	1,544.8	0.0	0.0	0.0	1,544.8	0.0	0.0	0.0	0.0
Department of Health and Human Services	111,146.9	300.0	7,712.3	0.0	101,460.0	0.0	1,554.5	0.0	120.0
Department of Homeland Security	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	1,687.3	1,453.4	15.5	0.0	143.0	0.0	0.0	0.0	75.5
Department of Transportation	376.8	1.0	64.1	0.0	0.0	0.0	0.0	0.0	311.7
National Aeronautics and Space Administration	15,051.9	773.2	4,907.3	0.0	9,371.4	0.0	0.0	0.0	0.0
National Science Foundation	27,069.3	4,852.0	1,016.0	0.0	21,165.2	0.0	36.1	0.0	0.0
New Jersey	2,852,961.6	765,579.9	1,484,988.6	0.0	501,849.6	67,811.0	25,718.4	0.0	7,014.2
Department of Agriculture	9,464.6	67.2	0.0	0.0	9,387.4	0.0	0.0	0.0	10.0
Department of Commerce	31,330.7	19,738.8	2,797.7	0.0	8,597.2	0.0	197.0	0.0	0.0
Department of Defense, research	229,192.6	79,538.3	100,187.1	0.0	46,887.8	0.0	2,579.4	0.0	0.0
Department of Defense, total development ^b	1,964,567.3	641,414.1	1,312,548.1	0.0	10,605.2	0.0	0.0	0.0	0.0
Department of Energy	106,333.6	0.0	6,501.5	0.0	31,935.3	67,811.0	85.8	0.0	0.0
Department of Health and Human Services	326,590.5	0.0	40,836.2	0.0	263,510.4	0.0	21,081.4	0.0	1,162.5
Department of Homeland Security	12,412.3	2,741.2	3,148.1	0.0	6,491.4	0.0	31.5	0.0	0.0
Department of the Interior	2,243.9	1,774.9	0.0	0.0	375.0	0.0	10.0	0.0	84.0
Department of Transportation	36,520.6	16,756.7	9,365.9	0.0	3,114.2	0.0	1,526.3	0.0	5,757.6
Environmental Protection Agency ^f	3,858.5	2,648.1	0.0	0.0	1,210.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	13,654.3	800.6	6,912.9	0.0	5,835.8	0.0	105.0	0.0	0.0
National Science Foundation	116,792.7	100.0	2,691.2	0.0	113,899.6	0.0	101.9	0.0	0.0
New Mexico	3,337,955.4	550,122.5	423,065.6	2,109,434.8	206,082.9	0.0	42,935.2	0.0	6,314.5
Department of Agriculture	13,285.5	6,642.0	0.0	0.0	5,207.6	0.0	1,035.9	0.0	400.0
Department of Commerce	2,490.4	2,065.4	0.0	0.0	425.0	0.0	0.0	0.0	0.0
Department of Defense, research	224,132.9	74,018.4	75,395.8	55,206.9	19,147.9	0.0	364.0	0.0	0.0
Department of Defense, total development ^b	912,389.2	361,435.7	329,596.5	205,424.0	14,595.3	0.0	1,275.6	0.0	62.1
Department of Energy	1,922,131.5	61,647.6	99.3	1,818,030.0	35,577.5	0.0	5,060.8	0.0	1,716.2
Department of Health and Human Services	144,032.9	0.0	9,396.8	8,604.1	97,722.2	0.0	26,436.8	0.0	1,872.9
Department of Homeland Security	23,189.7	0.0	1,526.5	21,648.3	14.9	0.0	0.0	0.0	0.0
Department of the Interior	23,154.5	20,243.9	192.0	0.0	2,710.6	0.0	0.0	0.0	8.0
Department of Transportation	4,684.2	1,285.0	1,001.4	0.0	550.0	0.0	8.3	0.0	1,839.6
Environmental Protection Agency ^f	590.1	0.0	72.5	0.0	0.0	0.0	517.6	0.0	0.0
National Aeronautics and Space Administration	29,959.3	22,784.5	4,100.6	521.4	2,552.8	0.0	0.0	0.0	0.0
National Science Foundation	37,915.2	0.0	1,684.3	0.0	27,579.1	0.0	8,236.2	0.0	415.7
New York	5,602,221.5	259,983.0	1,908,764.0	0.0	2,519,906.2	0.0	440,156.7	375,640.3	97,771.3
Department of Agriculture	48,147.5	20,708.1	64.1	0.0	26,178.5	0.0	1,196.8	0.0	0.0
Department of Commerce	16,197.2	1.2	3,098.0	0.0	12,994.3	0.0	103.6	0.0	0.0
Department of Defense, research	348,820.9	81,787.4	170,683.2	0.0	90,742.9	0.0	4,840.8	766.7	0.0
Department of Defense, total development ^b	1,338,971.4	111,830.3	1,192,858.5	0.0	19,737.4	0.0	10,081.9	4,463.3	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	863,921.5	21,569.5	419,448.6	0.0	65,616.6	0.0	3,685.7	353,601.1	0.0
Department of Health and Human Services	2,537,551.3	491.6	94,600.6	0.0	1,950,268.5	0.0	392,215.0	6,598.0	93,377.5
Department of Homeland Security	21,726.0	16,294.5	1,471.3	0.0	3,218.5	0.0	741.7	0.0	0.0
Department of the Interior	5,961.7	4,811.7	0.0	0.0	1,011.5	0.0	54.5	0.0	84.0
Department of Transportation	13,765.4	2,364.5	5,157.3	0.0	2,136.2	0.0	0.0	0.0	4,107.4
Environmental Protection Agency ^c	5,528.3	0.0	196.7	0.0	5,331.7	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	46,489.7	124.2	14,221.0	0.0	20,905.4	0.0	1,027.8	10,211.3	0.0
National Science Foundation	355,140.7	0.0	6,964.6	0.0	321,764.8	0.0	26,208.8	0.0	202.4
North Carolina	2,151,161.4	403,732.3	270,102.6	0.0	1,344,655.5	0.0	128,037.8	0.0	4,633.2
Department of Agriculture	43,846.3	20,498.7	0.0	0.0	22,357.6	0.0	511.7	0.0	478.3
Department of Commerce	22,640.3	13,711.2	4,907.2	0.0	3,926.8	0.0	0.0	0.0	95.0
Department of Defense, research	93,505.6	20,031.9	30,448.4	0.0	42,975.3	0.0	50.0	0.0	0.0
Department of Defense, total development ^b	88,467.6	19,132.2	57,867.3	0.0	10,041.6	0.0	1,426.6	0.0	0.0
Department of Energy	41,679.0	73.9	7,936.3	0.0	24,477.9	0.0	9,190.9	0.0	0.0
Department of Health and Human Services	1,500,376.2	135,526.4	152,484.8	0.0	1,101,070.1	0.0	108,977.3	0.0	2,317.7
Department of Homeland Security	6,486.6	93.4	798.8	0.0	2,849.2	0.0	2,745.1	0.0	0.0
Department of the Interior	26,835.4	23,140.0	0.0	0.0	3,479.4	0.0	0.0	0.0	215.9
Department of Transportation	16,210.8	6,436.9	2,420.0	0.0	2,363.0	0.0	3,464.6	0.0	1,526.3
Environmental Protection Agency ^c	175,990.0	164,880.8	4,115.6	0.0	6,683.0	0.0	310.6	0.0	0.0
National Aeronautics and Space Administration	6,491.8	206.8	2,555.9	0.0	2,901.6	0.0	827.5	0.0	0.0
National Science Foundation	128,631.9	0.0	6,568.3	0.0	121,530.0	0.0	533.6	0.0	0.0
North Dakota	119,582.3	26,688.4	18,769.6	0.0	72,637.4	0.0	1,448.3	0.0	38.6
Department of Agriculture	37,008.5	25,199.5	0.0	0.0	11,802.6	0.0	1.0	0.0	5.4
Department of Commerce	2,768.3	1.3	2,628.2	0.0	138.8	0.0	0.0	0.0	0.0
Department of Defense, research	14,149.7	0.0	7,250.1	0.0	6,899.6	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	18,503.1	372.6	7,718.4	0.0	10,412.1	0.0	0.0	0.0	0.0
Department of Energy	18,378.4	0.0	0.0	0.0	18,378.4	0.0	0.0	0.0	0.0
Department of Health and Human Services	17,736.4	0.0	1,022.9	0.0	15,266.2	0.0	1,447.3	0.0	0.0
Department of the Interior	1,245.3	1,104.8	0.0	0.0	107.3	0.0	0.0	0.0	33.2
Department of Transportation	245.1	0.0	0.0	0.0	245.1	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	506.4	10.2	0.0	0.0	496.3	0.0	0.0	0.0	0.0
National Science Foundation	9,041.0	0.0	150.0	0.0	8,891.0	0.0	0.0	0.0	0.0
Ohio	4,098,787.4	898,075.0	2,075,588.5	0.0	880,484.7	0.0	241,498.9	0.0	3,140.4
Department of Agriculture	31,655.2	11,435.6	0.0	0.0	18,284.7	0.0	1,925.0	0.0	10.0
Department of Commerce	7,288.3	2.5	4,947.2	0.0	2,034.8	0.0	303.8	0.0	0.0
Department of Defense, research	541,488.5	314,776.1	146,474.0	0.0	64,350.4	0.0	14,156.5	0.0	1,731.5
Department of Defense, total development ^b	2,159,865.6	355,373.1	1,771,978.2	0.0	22,818.3	0.0	9,582.0	0.0	114.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	63,078.9	0.0	18,868.7	0.0	28,822.0	0.0	15,388.2	0.0	0.0
Department of Health and Human Services	867,717.4	14,761.7	44,274.9	0.0	645,496.7	0.0	163,144.2	0.0	40.0
Department of Homeland Security	32,311.2	1,850.0	*	0.0	0.0	0.0	30,461.0	0.0	0.0
Department of the Interior	1,692.0	1,273.5	153.5	0.0	167.3	0.0	0.0	0.0	97.7
Department of Transportation	23,768.3	3,642.8	17,385.8	0.0	1,583.5	0.0	9.1	0.0	1,147.1
Environmental Protection Agency ^f	102,786.8	86,695.7	15,194.4	0.0	0.0	0.0	896.8	0.0	0.0
National Aeronautics and Space Administration	172,878.6	108,264.1	50,584.1	0.0	9,056.8	0.0	4,973.6	0.0	0.0
National Science Foundation	94,256.5	0.0	5,727.5	0.0	87,870.4	0.0	658.6	0.0	0.0
Oklahoma	429,597.2	111,560.9	154,461.7	0.0	122,825.6	0.0	38,999.3	0.0	1,749.6
Department of Agriculture	25,668.8	12,852.5	0.0	0.0	11,512.9	0.0	1,085.0	0.0	218.4
Department of Commerce	13,048.3	12,483.4	19.3	0.0	545.6	0.0	0.0	0.0	0.0
Department of Defense, research	23,940.8	8,760.4	5,962.0	0.0	7,995.1	0.0	1,223.2	0.0	0.0
Department of Defense, total development ^b	177,500.4	42,517.1	134,635.0	0.0	348.3	0.0	0.0	0.0	0.0
Department of Energy	17,243.5	2,472.2	3,032.1	0.0	10,842.7	0.0	896.5	0.0	0.0
Department of Health and Human Services	104,287.1	0.0	3,598.7	0.0	68,393.8	0.0	32,294.6	0.0	0.0
Department of Homeland Security	2,763.8	0.0	2,482.7	0.0	281.0	0.0	0.0	0.0	0.0
Department of the Interior	5,303.8	4,548.3	0.0	0.0	755.5	0.0	0.0	0.0	0.0
Department of Transportation	20,856.0	15,959.2	3,735.5	0.0	152.1	0.0	0.0	0.0	1,009.2
Environmental Protection Agency ^f	11,599.5	11,475.3	0.0	0.0	124.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,285.1	62.5	398.5	0.0	588.1	0.0	236.1	0.0	0.0
National Science Foundation	26,100.1	430.0	597.9	0.0	21,286.2	0.0	3,264.0	0.0	522.0
Oregon	675,292.2	109,585.8	94,894.1	0.0	417,737.7	0.0	48,077.1	0.0	4,997.4
Department of Agriculture	65,226.5	43,804.8	320.0	0.0	20,671.0	0.0	239.0	0.0	191.8
Department of Commerce	8,788.3	3,519.8	794.0	0.0	4,350.6	0.0	17.0	0.0	107.0
Department of Defense, research	19,709.2	24.3	6,194.4	0.0	13,470.6	0.0	20.0	0.0	0.0
Department of Defense, total development ^b	50,966.6	1,373.3	46,238.0	0.0	3,355.3	0.0	0.0	0.0	0.0
Department of Energy	39,757.2	11,771.8	9,815.5	0.0	9,754.6	0.0	8,161.1	0.0	254.3
Department of Health and Human Services	363,441.7	0.0	24,549.3	0.0	298,605.4	0.0	38,571.7	0.0	1,715.3
Department of the Interior	33,639.2	27,108.9	720.7	0.0	4,813.9	0.0	98.5	0.0	897.1
Department of Transportation	1,817.2	0.0	3.8	0.0	180.3	0.0	0.0	0.0	1,633.1
Environmental Protection Agency ^f	22,507.0	21,713.6	124.2	0.0	470.4	0.0	0.0	0.0	198.8
National Aeronautics and Space Administration	7,846.4	269.4	2,966.2	0.0	4,610.8	0.0	0.0	0.0	0.0
National Science Foundation	61,592.8	0.0	3,168.1	0.0	57,454.9	0.0	969.8	0.0	0.0
Pennsylvania	4,963,404.2	291,626.4	2,384,937.8	0.0	1,937,941.7	33,930.6	308,291.4	0.0	6,676.2
Department of Agriculture	64,567.8	46,071.4	0.0	0.0	17,932.8	0.0	553.6	0.0	10.0
Department of Commerce	7,085.0	41.2	3,267.3	0.0	3,727.8	0.0	48.7	0.0	0.0
Department of Defense, research	189,337.9	3,621.8	50,951.7	0.0	132,933.0	150.0	1,681.5	0.0	0.0
Department of Defense, total development ^b	2,131,101.5	136,780.5	1,824,965.9	0.0	104,176.4	33,780.6	31,398.2	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	556,685.6	66,458.8	429,860.2	0.0	54,739.6	0.0	5,626.9	0.0	0.0
Department of Health and Human Services	1,749,651.5	28,791.7	46,363.7	0.0	1,410,502.0	0.0	260,691.6	0.0	3,302.4
Department of Homeland Security	559.3	557.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	7,478.1	6,485.1	88.5	0.0	595.5	0.0	309.0	0.0	0.0
Department of Transportation	17,446.5	2,321.0	9,976.3	0.0	1,785.4	0.0	0.0	0.0	3,363.8
Environmental Protection Agency ^f	2,605.2	0.0	1,160.9	0.0	1,444.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	22,965.0	497.1	11,060.4	0.0	11,402.0	0.0	5.6	0.0	0.0
National Science Foundation	213,920.8	0.0	7,241.6	0.0	198,702.9	0.0	7,976.3	0.0	0.0
Puerto Rico	94,794.8	5,948.5	590.0	0.0	86,953.9	386.4	314.5	0.0	601.5
Department of Agriculture	10,857.8	5,551.9	0.0	0.0	4,992.0	0.0	313.9	0.0	0.0
Department of Commerce	1,782.7	1.0	0.0	0.0	1,743.7	0.0	0.0	0.0	38.0
Department of Defense, research	601.1	0.0	0.0	0.0	601.1	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	13.8	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0
Department of Energy	942.5	0.0	0.0	0.0	942.5	0.0	0.0	0.0	0.0
Department of Health and Human Services	64,860.9	0.0	290.9	0.0	64,006.6	0.0	0.0	0.0	563.5
Department of Homeland Security	386.4	0.0	0.0	0.0	0.0	386.4	0.0	0.0	0.0
Department of the Interior	446.4	395.6	*	0.0	50.8	0.0	*	0.0	*
National Science Foundation	14,903.1	0.0	299.1	0.0	14,603.4	0.0	0.6	0.0	0.0
Rhode Island	669,845.6	383,960.0	35,782.2	0.0	154,153.1	0.0	95,259.0	0.0	691.2
Department of Agriculture	3,935.8	0.0	0.0	0.0	3,900.8	0.0	35.0	0.0	0.0
Department of Commerce	452.8	0.8	0.0	0.0	443.0	0.0	9.0	0.0	0.0
Department of Defense, research	34,780.7	22,955.0	2,322.9	0.0	9,380.3	0.0	122.5	0.0	0.0
Department of Defense, total development ^b	370,672.0	340,879.9	29,792.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	6,696.5	0.0	0.0	0.0	6,428.3	0.0	268.2	0.0	0.0
Department of Health and Human Services	186,215.0	218.6	2,599.9	0.0	89,736.8	0.0	93,333.3	0.0	326.5
Department of Homeland Security	1,459.6	0.0	66.1	0.0	1,393.5	0.0	0.0	0.0	0.0
Department of the Interior	2,174.2	1,714.3	6.7	0.0	450.2	0.0	3.0	0.0	0.0
Department of Transportation	388.2	0.0	23.4	0.0	0.0	0.0	0.0	0.0	364.7
Environmental Protection Agency ^f	18,242.5	18,170.0	72.5	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	3,255.1	21.4	608.9	0.0	2,624.8	0.0	0.0	0.0	0.0
National Science Foundation	41,573.3	0.0	289.8	0.0	39,795.4	0.0	1,488.0	0.0	0.0
South Carolina	662,205.7	220,089.1	109,390.2	39,463.3	228,269.3	0.0	60,705.5	0.0	4,288.4
Department of Agriculture	25,307.8	12,953.7	0.0	0.0	11,284.3	0.0	640.0	0.0	429.8
Department of Commerce	10,880.4	9,282.6	227.2	0.0	628.6	0.0	24.0	0.0	718.0
Department of Defense, research	42,816.2	5,743.6	16,820.2	0.0	13,623.4	0.0	6,629.0	0.0	0.0
Department of Defense, total development ^b	265,483.8	136,511.6	82,753.3	1,311.0	10,469.2	0.0	34,438.7	0.0	0.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	49,486.5	1.0	131.2	37,052.2	11,563.0	0.0	739.0	0.0	0.0
Department of Health and Human Services	174,581.7	0.0	6,869.6	0.0	164,855.6	0.0	1,105.0	0.0	1,751.5
Department of Homeland Security	30,047.6	28,944.6	3.0	1,100.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	6,778.2	5,907.2	0.0	0.0	468.5	0.0	0.0	0.0	402.6
Department of Transportation	987.8	0.0	1.3	0.0	0.0	0.0	0.0	0.0	986.5
Environmental Protection Agency ^f	828.2	0.0	0.0	0.0	828.2	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,580.7	121.7	788.6	0.0	670.4	0.0	0.0	0.0	0.0
National Science Foundation	53,426.7	20,623.0	1,795.8	0.0	13,878.1	0.0	17,129.8	0.0	0.0
South Dakota	74,962.3	10,459.5	11,958.4	0.0	42,603.1	0.0	8,492.8	0.0	1,448.5
Department of Agriculture	12,008.4	4,687.5	0.0	0.0	7,260.8	0.0	0.0	0.0	60.1
Department of Commerce	21.8	0.8	0.0	0.0	21.0	0.0	0.0	0.0	0.0
Department of Defense, research	11,359.9	109.1	7,240.6	0.0	4,010.3	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	9,750.6	800.1	3,078.1	0.0	5,872.4	0.0	0.0	0.0	0.0
Department of Energy	2,462.6	0.0	0.0	0.0	2,462.6	0.0	0.0	0.0	0.0
Department of Health and Human Services	19,091.6	0.0	393.5	0.0	10,205.3	0.0	8,492.8	0.0	0.0
Department of the Interior	4,525.6	3,881.5	0.0	0.0	644.1	0.0	0.0	0.0	0.0
Department of Transportation	2,404.0	0.0	1,027.9	0.0	0.0	0.0	0.0	0.0	1,376.1
National Aeronautics and Space Administration	1,779.4	980.5	18.7	0.0	780.3	0.0	0.0	0.0	0.0
National Science Foundation	11,558.3	0.0	199.7	0.0	11,346.4	0.0	0.0	0.0	12.3
Tennessee	2,104,843.0	138,331.9	362,576.9	0.0	588,497.0	0.0	95,842.2	915,098.0	4,497.0
Department of Agriculture	32,159.2	15,136.2	0.0	0.0	16,420.7	0.0	231.7	0.0	370.6
Department of Commerce	3,942.8	1,025.1	2,285.7	0.0	632.0	0.0	0.0	0.0	0.0
Department of Defense, research	55,224.2	21,073.3	6,924.5	0.0	19,127.4	0.0	531.4	7,567.6	0.0
Department of Defense, total development ^b	127,636.0	48,891.6	57,027.7	0.0	10,659.8	0.0	0.0	11,056.8	0.0
Department of Energy	918,527.2	20,710.1	6,956.9	0.0	14,708.7	0.0	11,730.9	864,420.6	0.0
Department of Health and Human Services	568,731.5	440.2	4,756.7	0.0	482,878.8	0.0	77,556.8	1,077.0	2,021.9
Department of Homeland Security	25,330.5	0.0	0.9	0.0	420.0	0.0	0.0	24,909.6	0.0
Department of the Interior	16,345.1	14,161.8	0.0	0.0	2,043.3	0.0	40.0	0.0	100.0
Department of Transportation	20,396.1	6,431.6	2,706.9	0.0	653.9	0.0	2,543.3	6,055.7	2,004.5
Environmental Protection Agency ^f	512.4	0.0	305.4	0.0	206.9	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	296,797.0	10,461.8	280,992.6	0.0	2,123.9	0.0	3,208.0	10.8	0.0
National Science Foundation	39,241.1	0.0	619.5	0.0	38,621.6	0.0	0.0	0.0	0.0
Texas	6,896,125.3	487,966.2	4,555,041.3	0.0	1,636,010.0	0.0	199,925.9	191.6	16,990.3
Department of Agriculture	110,996.7	60,427.0	0.0	0.0	47,126.0	0.0	2,472.0	0.0	971.7
Department of Commerce	4,617.6	614.3	204.4	0.0	3,738.9	0.0	30.0	0.0	30.0
Department of Defense, research	203,324.3	28,889.4	68,177.1	0.0	92,042.7	0.0	14,195.1	0.0	20.0
Department of Defense, total development ^b	4,571,165.7	260,941.2	4,237,321.8	0.0	49,012.1	0.0	23,207.7	0.0	682.9

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	81,503.6	0.0	7,600.7	0.0	40,338.9	0.0	33,447.6	0.0	116.4
Department of Health and Human Services	1,312,549.4	1,815.5	32,703.8	0.0	1,203,568.8	0.0	71,952.6	191.6	2,317.0
Department of Homeland Security	28,752.0	4,500.9	16,461.5	0.0	6,530.5	0.0	1,259.1	0.0	0.0
Department of the Interior	14,474.0	6,469.4	4,752.2	0.0	3,245.3	0.0	7.0	0.0	0.0
Department of Transportation	16,931.0	239.3	2,727.8	0.0	1,587.3	0.0	1,398.8	0.0	10,977.8
Environmental Protection Agency ^f	4,573.2	0.0	429.9	0.0	4,143.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	383,347.4	124,069.2	176,780.0	0.0	31,193.7	0.0	50,130.1	0.0	1,174.3
National Science Foundation	163,890.5	0.0	7,882.1	0.0	153,482.4	0.0	1,825.9	0.0	700.2
Utah	1,708,887.0	566,945.9	832,619.9	0.0	303,851.2	0.0	1,913.2	0.0	3,556.9
Department of Agriculture	33,078.9	21,734.7	0.0	0.0	11,344.2	0.0	0.0	0.0	0.0
Department of Commerce	1,695.2	0.0	0.0	0.0	1,695.2	0.0	0.0	0.0	0.0
Department of Defense, research	20,203.0	3,393.9	7,639.7	0.0	9,041.6	0.0	127.8	0.0	0.0
Department of Defense, total development ^b	960,984.3	524,570.5	408,360.8	0.0	28,053.1	0.0	0.0	0.0	0.0
Department of Energy	22,547.3	319.5	749.0	0.0	20,957.9	0.0	0.0	0.0	520.9
Department of Health and Human Services	213,018.6	0.0	15,243.5	0.0	194,826.2	0.0	1,776.4	0.0	1,172.4
Department of Homeland Security	1,372.2	335.3	1.0	0.0	1,035.9	0.0	0.0	0.0	0.0
Department of the Interior	18,940.3	16,465.7	31.0	0.0	2,007.3	0.0	0.0	0.0	436.3
Department of Transportation	2,075.9	39.0	437.8	0.0	171.8	0.0	0.0	0.0	1,427.3
Environmental Protection Agency ^f	817.4	0.0	0.0	0.0	817.4	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	401,102.3	87.3	398,623.3	0.0	2,391.6	0.0	0.0	0.0	0.0
National Science Foundation	33,051.9	0.0	1,533.8	0.0	31,509.1	0.0	9.0	0.0	0.0
Vermont	142,251.3	5,960.7	45,207.4	0.0	89,764.4	0.0	257.2	0.0	1,061.5
Department of Agriculture	12,272.5	3,385.1	0.0	0.0	8,887.4	0.0	0.0	0.0	0.0
Department of Commerce	235.1	0.0	0.0	0.0	235.1	0.0	0.0	0.0	0.0
Department of Defense, research	8,467.6	70.0	5,930.8	0.0	2,466.9	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	36,983.3	817.0	35,591.3	0.0	575.0	0.0	0.0	0.0	0.0
Department of Energy	1,290.8	0.0	0.0	0.0	1,290.8	0.0	0.0	0.0	0.0
Department of Health and Human Services	73,552.9	0.0	2,858.4	0.0	70,377.3	0.0	257.2	0.0	60.0
Department of the Interior	1,967.7	1,688.7	0.0	0.0	267.0	0.0	0.0	0.0	12.0
Department of Transportation	865.3	0.0	*	0.0	0.0	0.0	0.0	0.0	865.0
Environmental Protection Agency ^f	124.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124.6
National Aeronautics and Space Administration	264.3	0.0	264.3	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	6,227.0	0.0	562.2	0.0	5,664.9	0.0	0.0	0.0	0.0
Virginia	9,111,678.3	3,405,578.3	4,549,616.7	0.0	551,209.6	160,647.7	138,100.2	300,552.4	5,973.4
Department of Agriculture	23,066.3	1,093.0	7.0	0.0	19,966.4	0.0	1,635.5	0.0	364.3
Department of Commerce	16,071.2	5,273.8	4,693.4	0.0	5,844.0	0.0	130.0	130.0	0.0
Department of Defense, research	818,353.6	182,553.2	537,378.3	0.0	76,871.6	3,291.0	5,064.6	13,195.0	0.0
Department of Defense, total development ^b	6,777,432.9	2,971,554.0	3,511,644.5	0.0	28,744.4	1,938.7	28,439.6	234,831.7	280.0

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	140,341.9	17,254.7	5,746.0	0.0	24,157.2	87,709.8	5,474.1	0.0	0.0
Department of Health and Human Services	444,636.2	329.6	66,306.0	0.0	302,035.7	0.0	75,964.9	0.0	0.0
Department of Homeland Security	72,666.4	14,436.1	49,612.1	0.0	4,594.9	0.0	156.0	3,507.4	360.0
Department of the Interior	14,467.9	12,272.6	943.8	0.0	1,050.9	0.0	123.0	0.0	77.4
Department of Transportation	143,266.2	28,369.4	56,529.4	0.0	8,472.5	0.0	1,061.8	43,941.3	4,891.7
Environmental Protection Agency ^f	20,291.9	967.7	16,539.9	0.0	0.0	0.0	2,784.3	0.0	0.0
National Aeronautics and Space Administration	395,421.6	168,015.7	200,146.7	0.0	12,125.6	0.0	15,133.6	0.0	0.0
National Science Foundation	245,662.3	3,458.4	100,069.5	0.0	67,346.4	67,708.2	2,132.8	4,947.0	0.0
Washington	3,915,467.3	264,291.3	2,003,389.3	0.0	858,131.2	0.0	401,418.4	381,143.0	7,094.1
Department of Agriculture	56,370.5	34,027.4	62.2	0.0	21,902.9	0.0	313.0	0.0	65.0
Department of Commerce	51,566.8	32,547.1	1,549.4	0.0	15,128.7	0.0	1,541.6	0.0	800.0
Department of Defense, research	75,592.3	2,056.6	31,767.1	0.0	39,702.1	0.0	178.7	1,887.8	0.0
Department of Defense, total development ^b	2,064,892.5	161,822.8	1,878,368.8	0.0	14,007.2	0.0	3,930.0	6,763.7	0.0
Department of Energy	327,477.9	1,168.1	34,453.5	0.0	27,572.8	0.0	10,714.5	253,376.0	193.1
Department of Health and Human Services	1,141,300.1	4,172.8	34,302.9	0.0	622,654.7	0.0	380,646.7	96,647.6	2,875.4
Department of Homeland Security	22,560.3	0.0	716.2	0.0	40.0	0.0	0.0	21,804.0	0.0
Department of the Interior	27,144.9	23,490.7	115.1	0.0	2,774.3	0.0	38.2	0.0	726.6
Department of Transportation	14,312.8	4,575.5	4,524.9	0.0	2,010.9	0.0	767.5	0.0	2,434.0
Environmental Protection Agency ^f	3,626.9	0.0	79.9	0.0	3,250.1	0.0	296.9	0.0	0.0
National Aeronautics and Space Administration	19,935.5	398.4	9,953.5	0.0	8,919.7	0.0	0.0	663.8	0.0
National Science Foundation	110,686.9	31.8	7,495.8	0.0	100,167.8	0.0	2,991.4	0.0	0.0
West Virginia	312,779.0	136,772.3	101,628.2	0.0	55,800.4	10.3	12,014.6	0.0	6,553.2
Department of Agriculture	37,429.4	27,756.9	0.0	0.0	7,267.5	0.0	2,405.0	0.0	0.0
Department of Commerce	85.3	0.0	0.0	0.0	85.3	0.0	0.0	0.0	0.0
Department of Defense, research	13,332.0	0.0	3,660.0	0.0	9,672.0	0.0	0.0	0.0	0.0
Department of Defense, total development ^b	77,805.5	16,444.4	59,857.3	0.0	156.3	0.0	1,347.6	0.0	0.0
Department of Energy	115,072.7	70,747.6	35,807.2	0.0	6,620.1	0.0	1,560.5	0.0	337.2
Department of Health and Human Services	46,634.4	15,762.4	1,300.9	0.0	29,536.4	0.0	34.7	0.0	0.0
Department of Homeland Security	773.5	0.0	24.3	0.0	0.0	0.0	749.2	0.0	0.0
Department of the Interior	6,886.7	6,061.0	25.0	0.0	673.9	0.0	32.8	0.0	94.0
Department of Transportation	1,464.5	0.0	0.0	0.0	519.0	0.0	0.0	0.0	945.5
Environmental Protection Agency ^f	291.5	0.0	0.0	0.0	291.5	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	1,982.3	0.0	803.6	0.0	55.7	10.3	1,112.7	0.0	0.0
National Science Foundation	11,021.4	0.0	150.0	0.0	922.8	0.0	4,772.2	0.0	5,176.5

TABLE 86. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2010

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Health and Human Services	121,211.9	117,512.4	0.0	0.0	3,699.5	0.0	0.0	0.0	0.0
Department of the Interior	1,777.1	1,777.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	212.1	0.0	212.1	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	11,914.0	100.0	0.0	0.0	11,738.3	0.0	0.0	0.0	75.7

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

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Department of Defense (DOD) 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 Environmental Protection Agency (EPA) was unable to report R&D by performer for FYs 2010–12 or by location for FY 2010. Percentage distributions calculated from EPA's data submission for FYs 2009–11 were used to estimate its FYs 2010, 2011, and 2012 R&D by performer and its FY 2010 R&D by location.

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

^e Includes America Samoa, Baker Island, Federated States of Micronesia, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Marshall Islands, Midway Islands, Navassa Island, Northern Mariana Islands, Palau, Palmyra Atoll, Virgin Islands of the United States, and Wake Island.

NOTES: Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, DOD, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; EPA; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D obligations in FY 2010. 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 2010–12.