

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2012  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	138,485,125.4	30,958,892.9	30,987,974.9	76,538,257.7	NA	NA
Departments						
Department of Agriculture	2,172,890.4	851,409.5	1,114,305.5	207,175.4	NA	NA
Agricultural Marketing Service	4,286.5	0.0	2,143.3	2,143.3	NA	NA
Agricultural Research Service	1,089,795.0	544,897.5	435,918.0	108,979.5	NA	NA
Animal and Plant Health Inspection Service	37,420.8	0.0	0.0	37,420.8	NA	NA
Economic Research Service	77,176.2	6,945.9	70,230.4	0.0	NA	NA
Foreign Agricultural Service	681.5	190.8	490.7	0.0	NA	NA
Forest Service	330,710.6	84,881.0	187,197.8	58,631.8	NA	NA
Grain Inspection, Packers, and Stockyards Administration	6,696.5	0.0	6,696.5	0.0	NA	NA
National Agricultural Statistics Service	7,427.4	3,477.5	3,949.9	0.0	NA	NA
National Institute of Food and Agriculture	614,204.3	211,016.9	403,187.4	0.0	NA	NA
Rural Business-Cooperative Service	4,491.5	0.0	4,491.5	0.0	NA	NA
Department of Commerce	1,054,820.0	174,199.6	814,327.1	66,293.2	NA	NA
National Institute of Standards and Technology	512,703.0	174,199.6	333,292.7	5,210.7	NA	NA
National Oceanic and Atmospheric Administration	432,833.0	0.0	396,107.0	36,726.0	NA	NA
National Telecommunications and Information Administration	7,619.8	0.0	7,619.8	0.0	NA	NA
U.S. Census Bureau	101,664.2	0.0	77,307.6	24,356.5	NA	NA
Department of Defense	73,804,086.1	2,035,761.7	4,626,717.9	67,141,606.5	5,481,456.4	61,660,150.1
Defense Advanced Research Projects Agency	2,749,722.0	345,017.0	1,151,269.0	1,253,436.0	1,128,541.0	124,895.0
Department of the Air Force	27,545,192.7	502,732.1	1,223,244.2	25,819,216.4	685,195.3	25,134,021.2
Department of the Army	9,219,777.3	418,054.1	915,038.1	7,886,685.1	1,205,595.0	6,681,090.1
Department of the Navy	17,728,320.7	587,834.0	826,088.0	16,314,398.7	687,183.0	15,627,215.7
Other defense agencies	16,561,073.3	182,124.5	511,078.7	15,867,870.2	1,774,942.1	14,092,928.1
Department of Education	338,046.3	6,762.4	201,598.3	129,685.6	NA	NA
Department of Energy	9,951,987.1	3,957,399.2	3,403,922.2	2,590,665.7	NA	NA
Advanced Research Projects Agency—Energy	102,794.1	0.0	56,385.7	46,408.4	NA	NA
Bonneville Power Administration	14,486.3	4,600.9	683.6	9,201.8	NA	NA
Electricity Delivery and Energy Reliability	101,301.7	6,326.6	57,712.1	37,263.0	NA	NA
Energy Efficiency and Renewable Energy	986,125.0	6,758.0	434,453.0	544,914.0	NA	NA
Environmental Management	45,826.0	0.0	14,674.0	31,152.0	NA	NA
Fossil Energy	366,779.0	3,668.0	161,383.0	201,728.0	NA	NA
National Nuclear Security Administration	4,033,926.0	45,585.4	2,293,165.2	1,695,175.4	NA	NA
Defense Programs	2,762,346.8	0.0	2,143,383.7	618,963.2	NA	NA
Naval Reactors	1,040,100.0	0.0	0.0	1,040,100.0	NA	NA
Nonproliferation and Verification	231,479.2	45,585.4	149,781.6	36,112.2	NA	NA
Nuclear Energy	361,211.9	0.0	336,388.8	24,823.1	NA	NA
Office of Science	3,939,537.0	3,890,460.3	49,076.7	0.0	NA	NA
Department of Health and Human Services	31,195,619.9	15,977,411.7	15,146,804.6	71,403.5	NA	NA
Administration for Children and Families	8,416.6	0.0	8,416.6	0.0	NA	NA
Agency for Healthcare Research and Quality	365,813.6	0.0	336,548.5	29,265.1	NA	NA
Agency for Toxic Substances and Disease Registry	1,375.0	0.0	1,375.0	0.0	NA	NA
Ctrs. for Disease Control and Prevention	512,431.7	73,574.4	407,445.8	31,411.5	NA	NA
Ctrs. for Medicare and Medicaid Services	21,034.5	0.0	21,034.5	0.0	NA	NA
Food and Drug Administration	352,625.4	0.0	352,625.4	0.0	NA	NA
Health Resources and Services Administration	37,594.3	2,622.4	24,245.0	10,727.0	NA	NA
National Institutes of Health	29,876,843.0	15,901,215.0	13,975,628.0	0.0	NA	NA
Office of the Secretary	19,485.7	0.0	19,485.7	0.0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	19,485.7	0.0	19,485.7	0.0	NA	NA
Department of Homeland Security	601,794.9	84,307.2	222,310.6	295,177.0	NA	NA
Science and Technology Directorate	562,728.9	84,307.2	210,130.6	268,291.0	NA	NA

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2012  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
U.S. Coast Guard	39,066.0	0.0	12,180.0	26,886.0	NA	NA
Department of Housing and Urban Development	89,557.0	0.0	63,144.6	26,412.4	NA	NA
Department of the Interior	737,794.0	54,203.0	570,273.0	113,318.0	NA	NA
Bureau of Ocean Energy Management	39,003.0	0.0	39,003.0	0.0	NA	NA
Bureau of Reclamation	9,987.0	0.0	7,490.0	2,497.0	NA	NA
Bureau of Safety and Environmental Enforcement	10,349.9	0.0	7,702.2	2,647.7	NA	NA
National Park Service	5,629.1	0.0	5,415.8	213.3	NA	NA
U.S. Geological Survey	672,825.0	54,203.0	510,662.0	107,960.0	NA	NA
Department of Justice	84,977.5	15,318.0	60,109.5	9,550.0	NA	NA
Bureau of Prisons	10,546.0	0.0	1,747.0	8,799.0	NA	NA
Federal Bureau of Investigation	7,651.9	0.0	6,900.9	751.0	NA	NA
Office of Justice Programs	66,779.6	15,318.0	51,461.6	0.0	NA	NA
Department of Labor	21,465.5	0.0	18,919.1	2,546.4	NA	NA
Employee Benefits Security Administration	12,803.1	0.0	12,803.1	0.0	NA	NA
Occupational Safety and Health Administration	5,951.0	0.0	5,951.0	0.0	NA	NA
Pension Benefit Guaranty Corp.	2,711.4	0.0	165.0	2,546.4	NA	NA
Department of State	2,182.5	0.0	2,182.5	0.0	NA	NA
Department of Transportation	898,441.1	8,405.5	690,013.2	200,022.5	NA	NA
Federal Aviation Administration	329,260.3	0.0	216,368.4	112,891.9	NA	NA
Federal Highway Administration	403,345.3	8,405.5	340,463.6	54,476.1	NA	NA
Federal Motor Carrier Safety Administration	7,257.9	0.0	6,877.0	380.9	NA	NA
Federal Railroad Administration	39,582.2	0.0	27,517.9	12,064.3	NA	NA
Federal Transit Administration	25,519.2	0.0	24,754.0	765.2	NA	NA
National Highway Traffic Safety Administration	68,749.0	0.0	68,749.0	0.0	NA	NA
Office of the Secretary	8,872.0	0.0	0.0	8,872.0	NA	NA
Pipeline and Hazardous Materials Safety Administration	10,987.1	0.0	1,973.0	9,014.2	NA	NA
Research and Innovative Technology Administration	4,868.2	0.0	3,310.2	1,557.9	NA	NA
Department of the Treasury	75,612.9	113.9	75,159.2	339.8	NA	NA
Bureau of Engraving and Printing	5,022.1	113.9	4,568.4	339.8	NA	NA
Internal Revenue Service	68,992.2	0.0	68,992.2	0.0	NA	NA
U.S. Mint	1,598.6	0.0	1,598.6	0.0	NA	NA
Department of Veterans Affairs	614,824.0	251,344.0	325,881.5	37,598.4	NA	NA
Other agencies						
Agency for International Development	77,440.4	0.0	77,440.4	0.0	NA	NA
Appalachian Regional Commission	616.7	0.0	616.7	0.0	NA	NA
Consumer Product Safety Commission	1,980.1	0.0	1,980.1	0.0	NA	NA
Environmental Protection Agency	576,268.6	86,918.2	403,670.4	85,680.1	NA	NA
Federal Communications Commission	3,953.4	0.0	3,953.4	0.0	NA	NA
Federal Trade Commission	2,946.3	0.0	2,946.3	0.0	NA	NA
Library of Congress	1,104.7	0.0	524.7	580.0	NA	NA
National Aeronautics and Space Administration	10,660,495.3	2,606,006.0	2,494,286.1	5,560,203.2	NA	NA
National Archives and Records Administration	1,988.5	0.0	1,988.5	0.0	NA	NA
National Science Foundation	5,169,780.0	4,652,380.0	517,400.0	0.0	NA	NA
Nuclear Regulatory Commission	82,611.4	0.0	82,611.4	0.0	NA	NA
Smithsonian Institution	196,953.0	196,953.0	0.0	0.0	NA	NA
Social Security Administration	64,888.0	0.0	64,888.0	0.0	NA	NA

NA = not available; data are not collected in this category for this agency.

NOTES: Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. See appendix C for additional notes associated with the agencies listed in this table.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2012–14.