

TABLE 4-14

Federal obligations for R&D and R&D plant, by agency: FYs 2008–18

(Millions of dollars)

Agency	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^a	2017	2018
All agencies	129,049.5	144,758.1	146,967.8	139,703.3	140,670.2	127,625.5	132,779.0	131,578.3	118,273.8	121,626.6	133,277.5
Department of Defense	71,996.6	75,973.7	73,623.9	75,328.2	73,973.6	63,654.7	65,128.6	61,683.0	44,926.7	45,163.8	53,444.0
Department of Health and Human Services	29,700.7	35,735.9	37,616.9	30,928.0	31,335.8	29,512.8	30,799.1	30,425.5	32,366.8	33,901.8	37,115.8
Department of Energy	8,990.3	11,562.2	11,644.9	10,680.4	10,635.2	10,397.1	11,296.3	12,343.0	13,343.2	13,583.9	14,894.1
National Aeronautics and Space Administration	5,847.1	5,957.6	8,691.3	8,429.0	10,758.3	10,494.3	10,880.6	11,413.1	12,461.7	12,638.1	10,813.9
National Science Foundation	4,506.4	6,924.8	6,073.4	5,536.6	5,705.4	5,328.5	5,800.2	5,989.7	6,022.3	5,945.7	6,358.0
Department of Agriculture	2,246.0	2,344.7	2,615.4	2,376.9	2,187.6	2,031.2	2,269.0	2,352.0	2,380.4	2,575.2	2,522.7
Department of Commerce	1,196.4	1,533.4	1,683.2	1,308.9	1,230.7	1,293.9	1,567.8	1,519.4	1,635.6	1,847.1	1,832.3
Department of Transportation	825.2	846.2	929.2	861.8	936.1	875.8	847.7	884.5	961.5	987.0	1,076.6
Patient-Centered Outcomes Research Trust Fund	na	na	na	41.1	41.1	334.4	282.6	152.1	114.9	883.9	491.7
Department of Homeland Security	1,056.8	983.6	1,131.8	1,127.5	832.2	718.8	943.8	1,645.2	689.2	869.9	913.1
Department of the Interior	645.3	738.8	728.0	716.5	742.7	717.3	762.4	808.7	859.9	868.1	768.6
Department of Veterans Affairs	480.0	510.0	563.0	612.9	614.8	639.0	588.8	661.6	695.2	682.3	1,349.0
Environmental Protection Agency	532.0	552.8	572.3	581.7	581.1	529.7	538.0	520.7	513.3	498.4	492.1
Department of Education	328.1	322.4	362.8	346.1	338.0	309.9	322.0	251.3	244.4	261.8	266.2
Smithsonian Institution	188.0	226.7	213.0	248.7	246.2	240.3	230.9	229.0	235.0	240.5	260.6
Agency for International Development	123.8	160.1	84.3	119.2	77.4	125.5	59.9	212.2	192.8	192.2	166.6
Department of Justice	114.5	103.4	125.4	102.3	85.0	118.7	160.5	149.7	208.0	126.9	106.6
Social Security Administration	54.1	67.9	63.0	53.0	64.9	56.7	59.6	58.9	129.0	109.5	71.6
All other agencies	218.2	213.9	246.0	304.5	284.1	246.9	241.2	278.7	293.9	250.5	334.0

na = not applicable.

^a Beginning in FY 2016 (and continuing in subsequent years), agency reports of obligations for R&D reflect the application of a definition for development that is narrowed to "experimental development." This revision was introduced to align federal R&D budget formulation to be consistent with the Office of Management and Budget's Circular A-11, Section 84. This change in definition applies to all agencies, but the predominant impact is that the Department of Defense's (DOD's) Operational Systems Development (Budget Activity 7) is no longer included as development. DOD Operational Systems Development was about \$24.6 billion in FY 2016, \$26.0 billion in FY 2017, and \$26.7 billion in FY 2018. Accordingly, the All agencies and DOD R&D obligations totals listed above for FYs 2016–18 are not directly comparable with those for FY 2015 and earlier years.

Note(s)

This table lists all agencies with R&D and R&D plant obligations greater than \$100 million in FY 2017. All other agencies include Department of Housing and Urban Development, Department of Labor, Department of State, Department of the Treasury, Administrative Office of the U.S. Courts, Appalachian Regional Commission, Consumer Product Safety Commission, Federal Communications Commission, Federal Trade Commission, Library of Congress, National Archives and Records Administration, Nuclear Regulatory Commission, Patient-Centered Outcomes Research Trust Fund, Social Security Administration, Tennessee Valley Authority, and U.S. Postal Service.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, Survey of Federal Funds for Research and Development, FYs 2018–19 (Volume 68).