

TABLE 89

Federal obligations for R&D plant, by performer: FYs 1967–2023

(Dollars in millions)

Fiscal year	Total	Intramural		Extramural					Non-U.S. performers
		Federal agencies ^a	FFRDCs	United States and U.S. territories					
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments		
1967	620	239	139	NA	112	NA	130	*	
1968	604	294	152	41	98	11	7	0	
1969	669	260	286	54	62	5	2	1	
1970	524	166	254	41	56	5	2	*	
1971	611	203	293	54	49	3	1	9	
1972	602	247	208	67	45	28	5	3	
1973	774	324	310	77	43	16	3	2	
1974	766	309	350	64	25	6	12	*	
1975	821	347	365	62	36	11	*	*	
1976	837	317	400	74	35	11	0	0	
1977	1,367	712	500	103	34	7	1	11	
1978	1,296	518	642	77	55	4	0	*	
1979	1,475	545	656	214	42	9	*	8	
1980	1,556	491	707	304	40	9	1	4	
1981	1,486	468	632	302	37	41	0	5	
1982	1,390	426	813	110	30	7	0	3	
1983	1,297	394	527	259	34	82	0	1	
1984	1,787	633	564	451	79	56	0	5	
1985	1,821	625	651	298	141	70	*	35	
1986	1,539	317	646	409	133	12	0	21	
1987	1,846	302	619	668	231	21	0	6	
1988	2,057	320	746	719	246	24	*	2	
1989	2,165	330	711	900	205	14	1	4	
1990	2,272	359	758	883	157	113	1	1	
1991	2,853	519	923	1,003	253	145	1	9	
1992	2,985	506	828	1,014	242	394	*	0	
1993	3,101	432	809	1,048	361	416	1	33	
1994	2,215	393	801	747	253	21	1	*	
1995	2,256	480	702	695	327	26	1	26	
1996	1,746	405	608	465	243	23	1	*	
1997	1,927	608	673	390	239	17	0	*	
1998	1,813	448	721	488	139	11	5	0	
1999	2,046	483	859	545	141	12	5	*	
2000	4,493	573	835	2,815	214	56	1	*	
2001	4,070	520	1,015	2,180	285	28	1	40	
2002	4,305	415	1,081	2,525	241	29	2	12	
2003	4,267	610	1,058	1,817	687	71	1	23	
2004	3,994	961	1,045	1,442	354	164	16	12	
2005	3,771	859	902	1,381	423	135	55	16	
2006	2,125	663	804	266	262	127	3	*	
2007	2,168	593	822	401	266	80	0	6	
2008	1,944	494	764	449	210	24	*	3	
2009	3,668	805	1,702	396	607	154	1	2	
2010	6,613	1,953	1,124	1,751	1,533	246	2	4	
2011	4,171	846	852	2,030	286	141	*	15	
2012	2,146	481	623	461	373	201	*	8	
2013	1,905	673	576	231	237	184	*	4	
2014	2,218	642	710	323	326	213	*	3	

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2015	2,825	1,417	689	276	292	151	*	*
2016	2,441	646	865	345	284	290	1	10
2017	2,652	829	956	334	350	158	0	25
2018	3,853	1,252	1,685	311	410	180	0	14
2019	4,376	1,093	2,235	354	514	170	1	10
2020	6,150	3,106	1,884	678	351	125	7	*
2021	4,282	883	2,019	858	360	155	6	*
2022	6,173	1,096	3,437	1,020	463	149	8	1
2023 (preliminary)	6,521	2,138	2,409	1,144	633	190	7	*

* = amount greater than \$0 but less than \$500,000. NA = not available; data were not collected at that level for that fiscal year.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.

^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.

Note(s):

Because of rounding, detail may not add to total. FFRDC funding over the years may be affected by the creation of new FFRDCs and the phasing out of other FFRDCs. For details, see the notes in the Master Government List of Federally Funded R&D Centers at <http://www.nsf.gov/statistics/ffrdclist/#ffrdc>. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009. FYs 2020, 2021, and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.