

TABLE 85

Federal obligations for research, by performer: FYs 1967–2023

(Dollars in millions)

Fiscal year	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
1967	4,631	1,461	472	1,039	1,312	249	53	46
1968	4,781	1,541	484	1,094	1,302	234	82	45
1969	4,645	1,645	453	886	1,322	222	75	42
1970	4,901	1,904	500	876	1,276	230	83	30
1971	5,123	1,888	487	889	1,430	282	96	52
1972	5,548	1,984	534	907	1,643	342	94	45
1973	5,581	2,088	474	887	1,691	316	84	40
1974	6,175	2,270	523	875	1,958	414	91	44
1975	6,730	2,464	626	1,010	2,079	395	112	44
1976	7,619	2,879	782	1,103	2,250	435	119	50
1977	8,514	2,958	918	1,367	2,584	512	115	60
1978	9,607	3,221	1,017	1,651	2,928	591	129	70
1979	10,535	3,481	1,119	1,762	3,333	623	139	77
1980	11,597	3,666	1,234	2,078	3,699	678	151	91
1981	12,213	4,034	1,360	1,958	3,920	705	129	106
1982	13,022	4,194	1,648	2,157	4,045	744	126	108
1983	14,254	4,710	1,858	2,114	4,468	837	137	130
1984	14,979	4,765	1,920	2,137	5,030	923	88	117
1985	16,133	5,056	2,004	2,074	5,726	1,045	89	138
1986	16,502	5,160	1,862	2,280	5,883	1,063	91	162
1987	17,941	5,438	1,994	2,449	6,640	1,207	90	122
1988	18,650	5,338	2,103	2,642	7,023	1,300	103	140
1989	20,766	5,897	2,417	2,875	7,793	1,520	121	142
1990	21,622	5,810	2,543	3,192	8,137	1,660	126	154
1991	23,968	6,454	3,041	3,407	8,868	1,926	129	143
1992	24,491	6,523	3,177	3,451	9,061	2,050	109	120
1993	26,890	7,452	3,272	3,924	9,892	2,041	212	97
1994	27,411	7,481	3,097	4,064	10,292	2,102	231	145
1995	28,434	7,685	3,252	4,699	10,354	2,079	221	145
1996	28,260	7,513	3,277	4,269	10,707	2,179	187	128
1997	29,365	7,667	3,576	4,392	11,173	2,295	144	118
1998	30,922	7,969	3,802	4,633	11,739	2,425	240	115
1999	33,528	8,686	3,903	4,580	13,204	2,807	232	116
2000	38,471	9,450	4,170	4,801	16,022	3,714	163	152
2001	44,714	11,131	4,658	5,262	18,657	4,578	309	119
2002	48,007	11,857	4,906	5,787	20,285	4,723	275	172
2003	51,072	12,420	5,155	6,042	21,676	5,196	306	276
2004	53,358	12,085	5,614	6,783	22,699	5,216	533	427
2005	53,738	12,350	5,733	6,456	23,156	5,296	377	370
2006	53,536	12,262	5,759	6,436	22,809	5,449	418	402
2007	54,094	11,816	6,088	6,074	23,967	5,417	298	433
2008	53,894	11,922	5,758	5,782	24,323	5,397	339	372
2009	63,692	13,319	6,681	6,280	30,169	6,501	344	399
2010	63,728	13,281	6,745	6,625	29,608	6,687	353	429
2011	58,065	12,663	6,656	6,037	26,253	5,802	282	370
2012	61,986	14,293	6,993	7,794	26,290	5,854	352	410
2013	59,533	13,417	7,490	7,366	24,772	5,780	313	395
2014	63,191	14,306	8,034	8,057	26,110	5,931	395	358

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		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
2015	63,825	15,007	7,942	8,138	25,962	5,863	420	494
2016	67,105	16,055	8,650	8,370	26,864	6,270	420	476
2017	69,871	15,905	8,976	8,963	27,626	7,576	453	372
2018	74,588	17,818	9,458	8,768	30,089	7,615	430	411
2019	81,118	18,298	10,820	10,739	32,381	7,892	500	488
2020	85,305	19,572	9,892	10,028	35,474	9,191	645	503
2021	85,896	17,532	10,529	10,790	37,027	8,644	887	488
2022	93,807	20,651	11,133	12,679	39,069	8,797	862	615
2023 (preliminary)	99,481	22,913	12,865	11,542	41,529	9,257	850	524

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.