

Historical Table. Total U.S. R&D

Historical Table. U.S. R&D as Percent of Gross Domestic Product, 1953-2003

(calendar years)	Total U.S. R&D (\$ millions)	U.S. GDP * (\$ BILLIONS)	R&D / GDP Ratio	Federal R&D ** (\$ millions)	Industry R&D ** (\$ millions)	All Other R&D ** (\$ millions)	Federal R&D / GDP Ratio	Industry R&D / GDP Ratio
1953	5,160	380	1.36%	2,783	2,247	130	0.73%	0.59%
1954	5,621	381	1.48%	3,102	2,375	144	0.81%	0.62%
1955	6,281	415	1.51%	3,603	2,522	156	0.87%	0.61%
1956	8,500	438	1.94%	4,978	3,346	176	1.14%	0.76%
1957	9,908	462	2.14%	6,233	3,470	205	1.35%	0.75%
1958	10,915	468	2.33%	6,974	3,707	234	1.49%	0.79%
1959	12,490	507	2.46%	8,167	4,065	258	1.61%	0.80%
1960	13,711	527	2.60%	8,915	4,516	280	1.69%	0.86%
1961	14,564	546	2.67%	9,484	4,757	323	1.74%	0.87%
1962	15,636	587	2.66%	10,138	5,124	374	1.73%	0.87%
1963	17,519	619	2.83%	11,645	5,456	418	1.88%	0.88%
1964	19,103	664	2.88%	12,764	5,888	451	1.92%	0.89%
1965	20,252	720	2.81%	13,194	6,549	509	1.83%	0.91%
1966	22,072	789	2.80%	14,165	7,331	576	1.80%	0.93%
1967	23,346	834	2.80%	14,563	8,146	637	1.75%	0.98%
1968	24,666	912	2.70%	14,964	9,008	694	1.64%	0.99%
1969	25,996	985	2.64%	15,228	10,011	757	1.55%	1.02%
1970	26,271	1,040	2.53%	14,984	10,449	838	1.44%	1.00%
1971	26,952	1,129	2.39%	15,210	10,824	918	1.35%	0.96%
1972	28,740	1,240	2.32%	16,039	11,715	986	1.29%	0.94%
1973	30,952	1,386	2.23%	16,587	13,299	1,066	1.20%	0.96%
1974	33,359	1,501	2.22%	17,287	14,885	1,187	1.15%	0.99%
1975	35,671	1,635	2.18%	18,533	15,824	1,314	1.13%	0.97%
1976	39,435	1,824	2.16%	20,292	17,702	1,441	1.11%	0.97%
1977	43,338	2,031	2.13%	22,071	19,642	1,625	1.09%	0.97%
1978	48,719	2,296	2.12%	24,414	22,457	1,848	1.06%	0.98%
1979	55,379	2,566	2.16%	27,225	26,097	2,057	1.06%	1.02%
1980	63,213	2,796	2.26%	29,975	30,929	2,309	1.07%	1.11%
1981	72,269	3,131	2.31%	33,715	35,948	2,606	1.08%	1.15%
1982	80,783	3,259	2.48%	37,168	40,692	2,923	1.14%	1.25%
1983	89,971	3,535	2.55%	41,472	45,264	3,235	1.17%	1.28%
1984	102,251	3,933	2.60%	46,477	52,187	3,587	1.18%	1.33%
1985	114,685	4,213	2.72%	52,655	57,962	4,068	1.25%	1.38%
1986	120,259	4,453	2.70%	54,633	60,991	4,635	1.23%	1.37%
1987	126,217	4,743	2.66%	58,466	62,576	5,175	1.23%	1.32%
1988	133,880	5,108	2.62%	60,130	67,977	5,773	1.18%	1.33%
1989	141,889	5,489	2.58%	60,463	74,966	6,460	1.10%	1.37%
1990	151,990	5,803	2.62%	61,607	83,208	7,175	1.06%	1.43%
1991	160,872	5,986	2.69%	60,780	92,300	7,792	1.02%	1.54%
1992	165,347	6,319	2.62%	60,912	96,229	8,206	0.96%	1.52%
1993	165,723	6,642	2.50%	60,522	96,549	8,652	0.91%	1.45%
1994	169,195	7,054	2.40%	60,769	99,203	9,223	0.86%	1.41%
1995	183,611	7,401	2.48%	62,959	110,870	9,782	0.85%	1.50%
1996	197,330	7,813	2.53%	63,383	123,416	10,531	0.81%	1.58%
1997	212,134	8,318	2.55%	64,561	136,227	11,346	0.78%	1.64%
1998	226,321	8,782	2.58%	66,356	147,843	12,122	0.76%	1.68%
1999	243,517	9,274	2.63%	67,015	163,229	13,273	0.72%	1.76%
2000	264,634	9,825	2.69%	66,327	183,688	14,619	0.68%	1.87%
2001	274,211	10,082	2.72%	73,341	184,892	15,978	0.73%	1.83%
2002 (prelim.)	276,434	10,442	2.65%	80,490	178,514	17,430	0.77%	1.71%
2003 (prelim.)	283,795	10,884	2.61%	85,279	179,615	18,901	0.78%	1.65%

Source: National Science Foundation, Division of Science Resources Statistics.

The complete data are available at <http://www.nsf.gov/sbe/srs/stats.htm> in *National Patterns of R&D Resources*.

* Gross Domestic Product. ** - Data are by funding source. **These data are not adjusted for inflation.**

These data are based on performer surveys of expenditures for calendar years, and thus differ from data presented elsewhere from AAAS (agency budget authority data by fiscal year). These data also exclude R&D facilities.