

Table. Historical Data on Federal R&D, FY 1976-2002

Historical Table 1. Total R&D by Agency, FY 1976-2002

DEC. '01 REVISED DATA

(budget authority in millions of dollars)

fiscal years	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001**	2002***	
DOD	10,067	11,478	11,944	12,958	14,021	17,363	20,848	23,673	27,935	31,978	35,000	37,136	38,126	38,578	37,869	37,209	37,779	38,848	35,510	35,349	35,783	37,238	37,569	38,888	39,960	42,743	50,134	
NASA	3,529	3,795	4,038	4,559	5,243	5,523	4,589	2,735	2,994	3,562	3,729	4,332	4,687	5,920	7,112	8,124	8,544	8,815	9,406	9,459	9,432	9,352	9,751	9,717	9,494	9,925	10,301	
DOE	3,069	4,154	5,053	5,442	5,769	6,156	5,406	5,165	5,637	5,979	5,540	5,422	5,821	6,255	6,988	7,339	8,133	7,444	6,771	6,416	6,273	6,217	6,351	6,966	6,956	7,744	8,122	
NIH *	2,263	2,483	2,840	3,222	3,445	3,570	3,696	4,053	4,622	5,265	5,412	6,403	6,918	7,551	8,107	8,977	9,624	9,891	10,474	10,762	11,425	12,217	13,110	14,995	17,234	19,710	22,822	
NSF	669	724	789	838	912	957	974	1,059	1,248	1,419	1,400	1,527	1,587	1,762	1,729	1,893	1,972	2,014	2,243	2,396	2,391	2,424	2,501	2,670	2,931	3,279	3,527	
USDA	518	543	633	716	715	817	830	885	976	1,002	960	1,092	1,117	1,139	1,223	1,391	1,519	1,467	1,528	1,487	1,488	1,556	1,561	1,645	1,776	1,959	2,139	
Interior	325	327	363	410	410	412	385	388	364	389	383	408	426	480	531	620	643	649	708	668	571	591	536	499	618	631	673	
DOT	322	331	373	350	397	407	312	371	489	439	379	309	314	326	354	411	621	621	641	666	601	612	590	607	607	747	853	
EPA	273	292	379	384	342	375	285	232	249	306	324	345	374	397	424	459	493	497	588	554	482	595	637	669	558	609	702	
DOC	231	253	281	332	358	345	308	325	363	392	395	417	410	427	453	537	583	793	1,022	1,118	966	964	1,091	1,084	1,174	1,201	1,354	
Other *	789	891	1,072	1,240	1,432	1,402	1,105	1,155	1,131	1,005	1,099	1,254	1,253	1,450	1,656	1,787	2,029	1,890	2,185	2,073	1,794	2,166	2,247	2,431	2,461	2,821	3,067	
Total R&D	22,055	25,271	27,765	30,451	33,044	37,327	38,738	40,042	46,007	51,734	54,621	58,645	61,033	64,284	66,446	68,747	71,941	72,928	71,074	70,948	71,206	73,934	75,942	80,171	83,769	91,371	103,694	
R&D:																												
Defense	11,065	12,478	13,258	14,300	15,430	19,022	22,898	25,648	30,498	34,714	37,644	39,833	40,972	41,579	40,978	40,375	41,231	42,114	38,299	37,833	38,465	40,047	40,571	42,085	43,161	46,243	53,928	
Nondef.	10,990	12,793	14,507	16,151	17,614	18,305	15,840	14,393	15,510	17,020	16,977	18,812	20,061	22,705	25,467	28,372	30,709	30,815	32,775	33,115	32,741	33,886	35,371	38,086	40,608	45,128	49,766	
Basic^	2,469	2,892	3,982	4,492	5,108	5,107	5,440	6,243	7,065	7,795	8,161	9,014	9,506	10,618	11,279	12,407	12,943	13,444	13,693	13,772	14,442	14,961	15,523	17,433	19,470	22,015	24,141	

Source: AAAS Reports VII through XXVI, based on OMB and agency R&D budget data; AAAS analyses of FY 2002 appropriations bills.

Includes conduct of R&D and R&D facilities.

* Between FY 1991 and 1992, R&D from ADAMHA (HHS) transferred to NIH. ADAMHA R&D included in NIH totals for all years.

** - Latest estimate for FY 2001. Adjusted to reflect supplementals and rescissions in Public Law 107-20.

*** - Final AAAS estimates of R&D in FY 2002 appropriations bills.

^ - Basic Research

Table. Historical Data on Federal R&D, FY 1976-2002

Historical Table 2. Total R&D by Agency, FY 1976-2002
(budget authority in millions of **CONSTANT FY 2001** dollars)

DEC. '01 REVISED DATA

fiscal years	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001**	2002***
DOD	26,541	28,146	27,407	27,506	27,331	30,851	34,620	37,660	42,858	47,487	50,754	52,415	52,106	50,774	48,033	45,426	44,943	45,141	40,389	39,351	39,051	39,865	39,655	40,479	40,808	42,743	49,103
NASA	9,304	9,306	9,266	9,677	10,220	9,813	7,620	4,351	4,593	5,289	5,407	6,115	6,405	7,791	9,020	9,918	10,164	10,243	10,698	10,530	10,294	10,012	10,292	10,115	9,696	9,925	10,089
DOE	8,091	10,186	11,595	11,552	11,246	10,938	8,977	8,217	8,648	8,878	8,034	7,653	7,956	8,233	8,863	8,959	9,676	8,650	7,702	7,142	6,846	6,656	6,704	7,251	7,104	7,744	7,955
NIH *	5,967	6,089	6,516	6,839	6,716	6,343	6,138	6,448	7,091	7,819	7,848	9,037	9,455	9,937	10,283	10,960	11,449	11,493	11,913	11,980	12,468	13,079	13,837	15,609	17,600	19,710	22,353
NSF	1,764	1,775	1,810	1,779	1,778	1,700	1,617	1,685	1,915	2,108	2,030	2,155	2,169	2,319	2,193	2,312	2,346	2,340	2,551	2,667	2,610	2,595	2,640	2,779	2,993	3,279	3,455
USDA	1,366	1,332	1,453	1,520	1,394	1,452	1,378	1,408	1,498	1,488	1,392	1,541	1,527	1,499	1,552	1,698	1,807	1,705	1,738	1,655	1,623	1,666	1,648	1,712	1,813	1,959	2,095
Interior	857	802	833	870	799	732	639	616	558	577	556	576	582	631	673	757	765	754	805	744	623	633	565	519	631	631	659
DOT	849	812	856	743	774	723	518	591	750	652	549	436	430	429	449	502	739	722	729	741	656	655	622	632	620	747	835
EPA	720	716	870	815	667	666	473	370	382	454	469	487	511	523	538	560	586	577	669	617	527	637	672	696	570	609	688
DOC	609	620	645	705	698	613	511	517	557	581	573	589	560	561	574	655	694	922	1,162	1,245	1,054	1,032	1,151	1,128	1,199	1,201	1,326
Other *	2,080	2,185	2,461	2,632	2,791	2,492	1,835	1,838	1,735	1,492	1,594	1,770	1,712	1,908	2,101	2,181	2,414	2,196	2,485	2,308	1,958	2,319	2,372	2,530	2,513	2,821	3,004
Total R&D	58,147	61,969	63,710	64,638	64,413	66,324	64,327	63,699	70,585	76,825	79,206	82,774	83,412	84,606	84,279	83,929	85,583	84,741	80,839	78,980	77,710	79,150	80,159	83,451	85,548	91,371	101,561
R&D:																											
Defense	29,172	30,598	30,422	30,354	30,078	33,799	38,024	40,802	46,790	51,551	54,588	56,222	55,995	54,724	51,977	49,292	49,050	48,935	43,561	42,116	41,979	42,872	42,824	43,807	44,077	46,243	52,819
Nondef.	28,974	31,371	33,289	34,284	34,335	32,525	26,303	22,897	23,795	25,275	24,618	26,552	27,417	29,882	32,303	34,637	36,533	35,806	37,278	36,864	35,731	36,277	37,335	39,644	41,471	45,128	48,743
Basic^	6,509	7,092	9,137	9,535	9,957	9,074	9,034	9,932	10,838	11,576	11,834	12,723	12,992	13,975	14,306	15,147	15,397	15,622	15,574	15,331	15,762	16,017	16,385	18,146	19,884	22,015	23,644

Source: AAAS Reports VII through XXVI, based on OMB and agency R&D budget data; AAAS analyses of FY 2002 appropriations bills.

Includes conduct of R&D and R&D facilities. Figures in **bold** represent peak funding levels in constant-dollar terms.

Constant dollar conversions based on OMB's GDP deflators from the FY 2002 budget.

* Between FY 1991 and 1992, R&D from ADAMHA (HHS) transferred to NIH. ADAMHA R&D included in NIH totals for all years.

** - Latest estimate for FY 2001. Adjusted to reflect supplementals and rescissions in Public Law 107-20.

*** - Final AAAS estimates of R&D in FY 2002 appropriations bills.

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