

Table. Historical Data on Federal R&D, FY 1976-2006

Historical Table 1. Total R&D by Agency, FY 1976-2006
(budget authority in millions of dollars)

DECEMBER '05 REVISED

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	2003	2004	2005**	2006***	
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	42,740	49,877	59,296	65,948	71,566	73,039	
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	9,887	10,224	10,681	10,803	10,705	11,367	
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	7,733	8,078	8,454	8,713	8,614	8,608	
HHS	2,602	2,874	3,398	3,530	3,806	4,012	3,939	4,371	4,875	5,502	5,653	6,669	7,218	7,964	8,533	9,566	10,180	10,472	11,324	11,517	12,033	12,912	13,842	15,825	18,182	21,045	24,016	27,696	28,521	29,084	29,023	
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	19,807	22,714	26,398	27,248	27,784	27,749	
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	3,320	3,525	3,926	4,123	4,057	4,123	
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	2,181	2,112	2,343	2,222	2,403	2,394	
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	621	623	643	627	615	629	
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	718	778	700	665	744	841	
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	574	592	567	662	572	573	
DOC	231	253	281	332	358	345	308	325	363	392	395	417	410	427	453	537	583	793	1,022	1,118	992	964	1,091	1,084	1,174	1,030	1,227	1,197	1,120	1,148	1,131	
DHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	266	737	1,028	1,243	1,281	
VA	114	113	115	123	136	159	139	161	197	214	185	223	197	218	218	224	250	253	277	263	263	588	587	644	645	719	756	817	866	784	805	
Other	336	387	399	809	935	801	723	676	681	554	673	765	755	819	1,013	974	1,224	1,055	1,058	1,055	896	883	927	957	868	965	1,025	1,064	1,023	1,024	951	
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	91,534	103,100	118,120	126,321	132,560	134,765	
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	46,202	53,731	63,708	70,344	76,032	77,429	
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	32,767	33,886	35,307	38,086	40,608	45,332	49,368	54,413	55,978	56,528	57,336	
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	21,376	23,848	25,323	26,529	26,855	26,726	

Source: AAAS Reports I through XXX, based on OMB and agency R&D budget data, and AAAS estimates of R&D in FY 2006 appropriations.

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 AAAS estimate for FY 2005 based on final FY 2005 appropriations.

*** - AAAS estimates of final FY 2006 appropriations.

^ - Basic Research

Table. Historical Data on Federal R&D, FY 1976-2006

Historical Table 2. Total R&D by Agency, FY 1976-2006
(budget authority in millions of CONSTANT FY 2005 dollars)

DECEMBER '05 REVISED

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	2003	2004	2005**	2006***	
DOD	28,235	29,949	29,199	29,316	29,164	32,894	36,967	40,201	45,751	50,725	54,256	56,102	55,842	54,391	51,479	48,751	48,284	48,549	43,443	42,355	42,067	43,027	42,889	43,819	44,135	46,118	52,838	61,703	67,289	71,566	71,638	
NASA	9,898	9,902	9,872	10,314	10,906	10,463	8,137	4,645	4,903	5,649	5,780	6,545	6,864	8,346	9,667	10,644	10,920	11,016	11,507	11,334	11,089	10,806	11,132	10,949	10,487	10,669	10,831	11,115	11,023	10,705	11,149	
DOE	8,608	10,839	12,353	12,312	12,000	11,663	9,586	8,771	9,232	9,483	8,588	8,192	8,526	8,819	9,499	9,615	10,395	9,303	8,284	7,688	7,375	7,184	7,250	7,850	7,683	8,344	8,558	8,797	8,890	8,614	8,443	
HHS	7,298	7,499	8,307	7,986	7,917	7,601	6,984	7,423	7,983	8,728	8,763	10,075	10,573	11,228	11,599	12,534	13,010	13,088	13,853	13,800	14,146	14,919	15,802	17,832	20,082	22,708	25,442	28,820	29,100	29,084	28,466	
NIH *	6,347	6,479	6,942	7,289	7,167	6,763	6,554	6,883	7,570	8,352	8,390	9,673	10,133	10,645	11,021	11,762	12,300	12,361	12,813	12,895	13,431	14,117	14,966	16,897	19,035	21,372	24,062	27,470	27,801	27,784	27,216	
NSF	1,876	1,889	1,929	1,896	1,897	1,813	1,727	1,798	2,044	2,251	2,170	2,307	2,325	2,484	2,350	2,481	2,520	2,516	2,744	2,871	2,811	2,801	2,855	3,008	3,237	3,583	3,735	4,086	4,207	4,057	4,044	
USDA	1,453	1,417	1,547	1,620	1,487	1,548	1,472	1,503	1,599	1,589	1,488	1,650	1,636	1,606	1,663	1,823	1,942	1,833	1,870	1,782	1,749	1,798	1,782	1,854	1,961	2,353	2,237	2,438	2,268	2,403	2,348	
Interior	912	853	887	928	853	781	683	658	596	617	594	617	623	676	722	812	822	811	866	800	671	683	611	562	683	670	660	669	639	615	617	
DOT	903	864	912	792	826	771	553	631	801	697	587	466	460	460	481	539	794	776	784	798	707	707	673	684	671	775	824	728	678	744	825	
EPA	766	762	927	869	711	710	505	394	407	485	502	521	548	560	577	601	629	621	719	664	567	687	727	754	616	619	627	590	675	572	562	
DOC	648	660	687	751	745	654	546	552	594	621	612	630	600	601	615	703	745	991	1,250	1,340	1,166	1,114	1,245	1,221	1,296	1,111	1,300	1,246	1,143	1,148	1,109	
DHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282	767	1,049	1,243	1,257	
VA	320	295	281	278	283	301	246	273	323	339	287	337	289	307	297	294	319	316	338	315	309	679	670	726	712	776	801	850	884	784	790	
Other	942	1,010	975	1,830	1,945	1,518	1,282	1,148	1,116	879	1,044	1,156	1,106	1,154	1,376	1,276	1,565	1,319	1,295	1,264	1,053	1,021	1,059	1,079	959	1,042	1,086	1,107	1,044	1,024	933	
Total R&D	61,858	65,939	67,876	68,892	68,733	70,716	68,689	67,998	75,349	82,063	84,672	88,597	89,392	90,633	90,325	90,072	91,945	91,139	86,953	85,010	83,711	85,427	86,696	90,338	92,523	98,768	109,221	122,917	128,889	132,560	132,180	
R&D:																																
Defense	31,034	32,558	32,411	32,352	32,095	36,037	40,602	43,556	49,948	55,065	58,355	60,178	60,010	58,622	55,705	52,899	52,696	52,630	46,856	45,331	45,220	46,273	46,316	47,422	47,671	49,853	56,922	66,295	71,773	76,032	75,944	
Nondef.	30,824	33,380	35,465	36,540	36,638	34,679	28,086	24,442	25,401	26,998	26,317	28,420	29,382	32,011	34,620	37,172	39,248	38,509	40,097	39,678	38,522	39,154	40,307	42,916	44,852	48,915	52,299	56,622	57,115	56,528	56,236	
Basic^	6,925	7,546	9,735	10,163	10,625	9,675	9,646	10,602	11,570	12,365	12,651	13,618	13,923	14,970	15,332	16,256	16,542	16,801	16,752	16,502	16,979	17,287	17,721	19,643	21,505	23,065	25,264	26,352	27,068	26,855	26,213	

Source: AAAS Reports I through XXX, based on OMB and agency R&D budget data, and AAAS estimates of R&D in FY 2006 appropriations.

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

Constant dollar conversions based on OMB's GDP deflators from the FY 2006 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 AAAS estimate for FY 2005 based on final FY 2005 appropriations.

*** - AAAS estimates of final FY 2006 appropriations.

^ - Basic Research