

Table. Historical Data on Federal R&D, FY 1976-2005

Historical Table 1. Total R&D by Agency, FY 1976-2005

MARCH '04 REVISED

(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	2003	2004**	2005***	
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	65,970	69,928	
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	10,909	11,334	
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	8,804	8,880	
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	28,469	29,361	
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	27,220	27,923	
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	4,077	4,226	
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	2,240	2,163	
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	675	648	
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	707	755	
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	616	572	
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	1,030	1,227	1,197	1,131	1,075	
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	1,053	1,216	
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	820	770	
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	923	883	927	957	868	965	1,025	1,064	1,035	1,034	
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	126,507	131,961	
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	70,501	74,668	
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	56,005	57,293	
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	26,552	26,825	

Source: AAAS Reports I through XXIX, based on OMB and agency R&D budget data

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 2004 based on final FY 2004 appropriations.

\*\*\* - AAAS estimates of President's FY 2005 request.

^ - Basic Research

Table. Historical Data on Federal R&D, FY 1976-2005

Historical Table 2. Total R&D by Agency, FY 1976-2005  
(budget authority in millions of CONSTANT FY 2004 dollars)

MARCH '04 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***	
DOD	27,415	29,079	28,350	28,464	28,317	31,938	35,892	39,033	44,421	49,251	52,679	54,472	54,219	52,810	49,983	47,334	46,881	47,138	42,180	41,124	40,844	41,776	41,642	42,546	42,853	44,786	51,357	60,074	65,970	69,065	
NASA	9,610	9,614	9,585	10,014	10,589	10,159	7,901	4,510	4,761	5,485	5,612	6,355	6,665	8,103	9,386	10,335	10,603	10,696	11,172	11,004	10,767	10,492	10,808	10,631	10,182	10,361	10,528	10,822	10,909	11,194	
DOE	8,358	10,524	11,994	11,954	11,651	11,324	9,307	8,516	8,963	9,208	8,339	7,954	8,279	8,563	9,223	9,336	10,093	9,033	8,043	7,464	7,161	6,975	7,040	7,621	7,460	8,103	8,318	8,565	8,804	8,771	
HHS	7,086	7,281	8,066	7,754	7,687	7,380	6,781	7,207	7,751	8,474	8,508	9,782	10,265	10,902	11,262	12,170	12,632	12,707	13,451	13,399	13,735	14,486	15,343	17,314	19,498	22,053	24,729	28,059	28,469	28,999	
NIH *	6,163	6,291	6,740	7,078	6,958	6,566	6,363	6,683	7,350	8,109	8,146	9,392	9,838	10,336	10,701	11,420	11,943	12,001	12,441	12,520	13,041	13,706	14,531	16,406	18,482	20,755	23,388	26,744	27,220	27,578	
NSF	1,822	1,834	1,873	1,841	1,842	1,760	1,677	1,746	1,985	2,186	2,107	2,240	2,257	2,412	2,282	2,409	2,447	2,443	2,664	2,787	2,729	2,720	2,772	2,921	3,143	3,479	3,630	3,978	4,077	4,174	
USDA	1,411	1,376	1,502	1,573	1,444	1,503	1,429	1,459	1,552	1,543	1,445	1,602	1,589	1,559	1,615	1,770	1,885	1,780	1,815	1,730	1,698	1,746	1,730	1,800	1,904	2,285	2,175	2,373	2,240	2,136	
Interior	885	828	862	901	828	758	663	639	578	599	577	599	605	657	701	789	798	788	841	777	652	663	594	546	663	651	641	652	675	640	
DOT	877	839	885	769	802	749	537	612	778	676	570	453	447	447	467	523	771	754	761	775	686	687	653	664	651	753	801	709	707	745	
EPA	743	740	900	844	691	690	491	383	396	471	487	506	532	544	560	584	611	603	699	645	551	668	706	732	598	601	609	575	616	565	
DOC	629	641	667	729	723	635	530	536	577	603	595	612	582	584	597	683	724	963	1,214	1,301	1,102	1,081	1,209	1,186	1,259	1,079	1,263	1,213	1,131	1,061	
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	274	747	1,053	1,201	
VA	310	286	273	270	275	292	239	265	313	330	279	327	281	298	288	285	310	307	328	306	300	660	651	705	692	753	778	828	820	760	
Other	915	980	947	1,777	1,888	1,473	1,245	1,115	1,084	854	1,013	1,122	1,074	1,121	1,336	1,239	1,519	1,280	1,257	1,227	1,053	991	1,028	1,048	931	1,012	1,056	1,078	1,035	1,021	
Total R&D	60,060	64,022	65,903	66,890	66,735	68,661	66,692	66,022	73,159	79,678	82,211	86,022	86,794	87,999	87,700	87,454	89,272	88,491	84,426	82,539	81,278	82,944	84,176	87,712	89,834	95,917	106,159	119,672	126,507	130,333	
R&D:																															
Defense	30,132	31,612	31,469	31,412	31,162	34,990	39,422	42,290	48,496	53,465	56,659	58,429	58,266	56,918	54,086	51,362	51,165	51,101	45,494	44,014	43,906	44,928	44,970	46,044	46,286	48,414	55,326	64,544	70,501	73,747	
Nondef.	29,928	32,410	34,435	35,478	35,573	33,671	27,270	23,732	24,663	26,213	25,552	27,594	28,528	31,080	33,614	36,092	38,108	37,390	38,932	38,525	37,402	38,016	39,135	41,668	43,548	47,503	50,833	55,127	56,005	56,586	
Basic^	6,724	7,327	9,452	9,867	10,316	9,394	9,366	10,294	11,234	12,006	12,283	13,222	13,518	14,535	14,886	15,783	16,061	16,313	16,265	16,022	16,485	16,785	17,206	19,073	20,880	22,399	24,556	25,656	26,552	26,494	

Source: AAAS Reports I through XXIX, based on OMB and agency R&D budget data

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

Constant dollar conversions based on OMB's GDP deflators from the FY 2005 budget

\* Between FY 1991 and 1992, R&D from ADAMHA (HHS) transferred to NIH. ADAMHA R&D included in NIH totals for all years. FY 2002- data include Department of Homeland Security

\*\* - Latest AAAS estimate for FY 2004 based on final FY 2004 appropriations.

\*\*\* - AAAS estimates of President's FY 2005 request.

^ - Basic Research