

Table. Historical Data on Federal R&D, FY 1976-2004

Historical Table 1. Total R&D by Agency, FY 1976-2004

JANUARY '04 REVISED with FY 04 Final appropriations

(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***	
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	58,696	66,323	
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	10,999	10,958	
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	8,225	8,731	
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	26,245	27,093	
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	3,927	4,113	
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	2,276	2,166	
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	627	676	
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	702	644	
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	643	654	
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	1,248	1,260	
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	2,922	3,349	3,899	4,351	
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	117,489	126,968	
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	63,056	70,938	
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	54,433	56,030	
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	26,047	27,166	

Source: AAAS Reports I through XXVIII, 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. FY 2002-FY 2004 data include Department of Homeland Security

\*\* - Latest AAAS estimate for FY 2003 based on final FY 2003 appropriations.

\*\*\* - AAAS estimates of final FY 2004 appropriations.

^ - Basic Research

Table. Historical Data on Federal R&D, FY 1976-2004

Historical Table 2. Total R&D by Agency, FY 1976-2004  
(budget authority in millions of CONSTANT FY 2003 dollars)

JANUARY '04 REVISED with FY 04 Final appropriations

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***	
DOD	27,285	28,936	28,180	28,277	28,100	31,721	35,596	38,717	44,062	48,826	52,184	53,886	53,570	52,199	49,382	46,702	46,209	46,409	41,523	40,458	40,152	40,986	40,774	41,650	41,988	43,838	50,512	58,696	<b>65,368</b>	
NASA	9,565	9,567	9,527	9,949	10,508	10,090	7,835	4,473	4,722	5,438	5,559	6,286	6,585	8,009	9,274	10,197	10,451	10,530	<b>10,998</b>	10,826	10,584	10,293	10,583	10,407	9,976	10,141	10,354	10,999	10,800	
DOE	8,318	10,472	<b>11,922</b>	11,876	11,562	11,247	9,230	8,447	8,891	9,128	8,260	7,868	8,180	8,464	9,112	9,211	9,948	8,893	7,918	7,343	7,039	6,843	6,893	7,461	7,309	7,931	8,181	8,225	8,605	
NIH *	6,134	6,260	6,700	7,031	6,905	6,521	6,311	6,629	7,291	8,039	8,070	9,291	9,721	10,216	10,572	11,268	11,772	11,816	12,247	12,317	12,819	13,447	14,228	16,060	18,109	20,316	23,003	26,245	<b>26,703</b>	
NSF	1,813	1,825	1,862	1,829	1,828	1,748	1,663	1,732	1,968	2,167	2,087	2,216	2,230	2,384	2,254	2,376	2,412	2,405	2,622	2,742	2,683	2,668	2,714	2,859	3,080	3,406	3,570	3,927	<b>4,054</b>	
USDA	1,404	1,369	1,493	1,562	1,433	1,493	1,417	1,447	1,540	1,530	1,431	1,585	1,570	1,541	1,595	1,746	1,858	1,752	1,787	1,702	1,669	1,713	1,694	1,762	1,866	<b>2,237</b>	2,139	2,276	2,134	
Interior	881	824	856	<b>895</b>	822	753	657	634	574	593	571	592	598	649	692	778	786	775	827	765	641	651	581	534	650	637	631	627	667	
DOT	873	834	<b>880</b>	764	796	744	533	607	771	670	565	448	442	442	461	516	760	742	749	762	674	674	640	650	638	737	788	702	635	
EPA	740	736	<b>894</b>	838	685	685	487	380	392	466	482	500	525	538	576	576	602	593	688	634	541	655	691	716	586	588	599	643	645	
DOC	626	638	663	724	717	630	526	532	572	598	589	606	576	577	590	674	713	948	1,195	1,280	1,083	1,061	1,184	1,161	1,233	1,056	<b>1,242</b>	1,248	1,242	
Other *	2,138	2,246	2,530	2,706	2,869	2,562	1,887	1,889	1,784	1,535	1,639	1,820	1,760	1,962	2,160	2,243	2,482	2,257	2,555	2,373	2,013	2,384	2,439	2,604	2,586	2,997	3,392	3,899	<b>4,289</b>	
Total R&D	59,778	63,708	65,507	66,451	66,224	68,194	66,141	65,487	72,568	78,992	81,438	85,097	85,756	86,981	86,646	86,287	87,993	87,121	83,110	81,202	79,900	81,374	82,421	85,864	88,021	93,885	104,412	117,489	125,139	
R&D:																														
Defense	29,990	31,457	31,279	31,206	30,923	34,752	39,096	41,947	48,105	53,004	56,126	57,800	57,569	56,260	53,436	50,676	50,431	50,309	44,785	43,301	43,162	44,077	44,032	45,074	45,351	47,388	54,415	63,056	<b>69,916</b>	
Nondef.	29,787	32,251	34,228	35,245	35,300	33,442	27,045	23,540	24,463	25,987	25,312	27,297	28,187	30,721	33,210	35,610	37,562	36,811	38,325	37,901	36,768	37,297	38,319	40,791	42,669	46,497	49,997	54,433	<b>55,223</b>	
Basic^	6,692	7,291	9,395	9,803	10,237	9,330	9,288	10,210	11,143	11,903	12,168	13,080	13,357	14,367	14,708	15,573	15,831	16,060	16,012	15,763	16,206	16,467	16,847	18,671	20,458	21,925	24,152	26,047	<b>26,774</b>	

Source: AAAS Reports I through XXVIII, 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 2004 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-FY 2004 data include Department of Homeland Security

\*\* - Latest AAAS estimate for FY 2003 based on final FY 2003 appropriations.

\*\*\* - AAAS estimates of final FY 2004 appropriations.

^ - Basic Research