

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

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

MARCH '03 REVISED with final FY 03 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	58,646	62,821	
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	11,025	
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	8,205	8,535	
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	26,946	
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	4,035	
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	2,166	1,943	
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	633	
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	693	
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	607	
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	1,100	
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	3,887	4,147	
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	117,297	122,485	
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	62,986	67,515	
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	54,311	54,970	
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	26,048	26,861	

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 President's FY 2004 request.

^ - Basic Research

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

Historical Table 2. Total R&D by Agency, FY 1976-2004

MARCH '03 REVISED with final FY 03 appropriations

(budget authority in millions of CONSTANT FY 2003 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	29,256	30,841	30,092	30,123	29,545	33,177	37,210	40,375	45,402	50,246	53,670	55,424	55,154	53,814	51,099	48,084	47,221	47,363	42,412	41,239	40,785	41,583	41,429	42,210	42,282	44,230	50,827	58,646	61,668	
NASA	10,256	10,197	10,174	10,598	11,048	10,553	8,191	4,665	4,866	5,596	5,717	6,466	6,780	8,257	9,596	10,498	10,680	10,747	11,234	11,035	10,751	10,443	10,753	10,547	10,046	10,232	10,419	10,999	10,823	
DOE	8,919	11,162	12,731	12,651	12,157	11,763	9,649	8,809	9,161	9,394	8,496	8,093	8,421	8,725	9,429	9,484	10,166	9,075	8,087	7,485	7,150	6,943	7,004	7,561	7,360	8,002	8,232	8,205	8,378	
NIH *	6,577	6,672	7,154	7,490	7,260	6,821	6,597	6,913	7,512	8,273	8,299	9,556	10,008	10,532	10,939	11,601	12,030	12,059	12,509	12,555	13,022	13,643	14,457	16,276	18,236	20,498	23,146	26,245	26,452	
NSF	1,944	1,945	1,988	1,948	1,922	1,829	1,738	1,806	2,028	2,230	2,147	2,279	2,296	2,458	2,333	2,447	2,464	2,455	2,679	2,795	2,725	2,707	2,758	2,898	3,101	3,436	3,593	3,927	3,961	
USDA	1,505	1,459	1,595	1,664	1,507	1,561	1,481	1,509	1,587	1,574	1,472	1,630	1,616	1,589	1,651	1,798	1,899	1,788	1,825	1,735	1,696	1,738	1,721	1,786	1,879	2,257	2,152	2,166	1,907	
Interior	945	879	915	953	864	787	687	661	591	611	588	609	616	669	716	801	804	791	845	779	651	660	591	542	654	643	635	627	622	
DOT	936	889	940	814	837	778	557	633	795	690	581	461	455	455	477	531	776	757	765	777	685	683	650	659	642	743	793	702	680	
EPA	793	785	955	893	721	717	509	396	404	480	496	514	541	554	572	593	616	606	702	646	550	664	703	726	590	593	603	643	596	
DOC	671	680	708	772	754	659	550	554	590	615	606	623	593	595	611	694	729	967	1,221	1,304	1,101	1,076	1,203	1,176	1,242	1,066	1,250	1,248	1,080	
Other *	2,293	2,394	2,702	2,883	3,017	2,680	1,972	1,970	1,838	1,579	1,685	1,872	1,812	2,023	2,235	2,309	2,536	2,304	2,609	2,418	2,045	2,419	2,478	2,639	2,604	3,024	3,413	3,887	4,071	
Total R&D	64,096	67,902	69,953	70,789	69,631	71,325	69,141	68,292	74,774	81,288	83,757	87,526	88,291	89,672	89,659	88,840	89,920	88,912	84,889	82,770	81,160	82,560	83,745	87,020	88,637	94,725	105,063	117,297	120,238	
R&D:																														
Defense	32,157	33,528	33,402	33,243	32,515	36,347	40,870	43,744	49,567	54,546	57,724	59,450	59,271	58,000	55,294	52,176	51,536	51,344	45,744	44,137	43,842	44,720	44,740	45,680	45,669	47,812	54,755	62,986	66,277	
Nondef.	31,939	34,374	36,550	37,546	37,117	34,977	28,272	24,548	25,207	26,743	26,033	28,076	29,021	31,671	34,364	36,664	38,384	37,568	39,146	38,633	37,348	37,840	38,935	41,339	42,968	46,913	50,308	54,311	53,961	
Basic^	7,175	7,771	10,032	10,443	10,764	9,759	9,710	10,648	11,482	12,249	12,514	13,453	13,752	14,811	15,219	16,033	16,178	16,390	16,355	16,067	16,461	16,707	17,118	18,922	20,602	22,121	24,302	26,048	26,368	

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

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