

Table. Historical Data on Federal R&D, FY 1976-2008

Historical Table 1. Total R&D by Agency, FY 1976-2008
(budget authority in millions of dollars)

APRIL 2007 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	2007**	2008***	
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	70,269	74,289	78,231	78,996	
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	10,618	11,295	11,806	12,594	
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	8,620	8,584	8,732	9,234	
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	29,171	28,976	29,644	29,350	
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	27,875	27,747	28,399	28,066	
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	4,102	4,183	4,482	4,856	
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	2,418	2,438	2,256	2,011	
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	621	639	640	621	
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	707	817	794	813	
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	641	622	557	540	
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	1,121	1,085	1,117	1,087	
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	1,240	1,300	1,005	996	
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	742	769	818	822	
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	1,037	1,088	1,078	1,099	
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	131,308	136,086	141,159	143,019	
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	74,641	78,737	82,226	82,967	
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	56,667	57,349	58,933	60,051	
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	27,678	27,388	28,362	28,292	

Source: AAAS Reports I through XXXII, 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 estimates of FY 2007 appropriations.

*** - Estimates of President's request.

^ - Basic Research

Table. Historical Data on Federal R&D, FY 1976-2008

Historical Table 2. Total R&D by Agency, FY 1976-2008

APRIL 2007 REVISED

(budget authority in millions of CONSTANT FY 2007 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	2006	2007**	2008***	
DOD	30,400	32,246	31,438	31,564	31,401	35,417	39,802	43,284	49,259	54,615	58,417	60,405	60,124	58,562	55,426	52,489	51,987	52,272	46,774	45,603	45,293	46,326	46,178	47,180	47,520	49,655	56,857	66,254	71,832	74,273	76,172	78,231	77,129	
NASA	10,657	10,662	10,629	11,105	11,742	11,266	8,761	5,001	5,279	6,083	6,223	7,047	7,391	8,986	10,409	11,460	11,757	11,861	12,389	12,203	11,939	11,634	11,985	11,789	11,291	11,487	11,655	11,935	11,767	11,223	11,581	11,806	12,296	
DOE	9,268	11,670	13,300	13,256	12,920	12,557	10,321	9,444	9,939	10,211	9,247	8,820	9,180	9,495	10,228	10,353	11,192	10,016	8,919	8,277	7,940	7,735	7,806	8,452	8,272	8,984	9,209	9,446	9,490	9,111	8,802	8,732	9,016	
HHS	7,858	8,074	8,944	8,599	8,524	8,184	7,520	7,992	8,596	9,397	9,435	10,847	11,383	12,089	12,489	13,495	14,008	14,091	14,916	14,858	15,231	16,063	17,014	19,199	21,622	24,450	27,377	30,946	31,065	30,833	29,711	29,644	28,656	
NIH *	6,834	6,976	7,474	7,848	7,716	7,281	7,056	7,411	8,151	8,992	9,033	10,415	10,910	11,462	11,866	12,664	13,244	13,309	13,796	13,884	14,461	15,199	16,114	18,193	20,495	23,011	25,893	29,496	29,678	29,463	28,450	28,399	27,402	
NSF	2,020	2,034	2,077	2,041	2,042	1,952	1,859	1,936	2,201	2,424	2,337	2,484	2,503	2,674	2,530	2,671	2,713	2,709	2,954	3,091	3,027	3,016	3,074	3,239	3,486	3,858	4,019	4,387	4,491	4,336	4,289	4,482	4,741	
USDA	1,564	1,525	1,666	1,744	1,601	1,667	1,585	1,618	1,722	1,711	1,602	1,776	1,762	1,729	1,790	1,962	2,091	1,974	2,013	1,918	1,883	1,936	1,919	1,996	2,112	2,534	2,408	2,617	2,421	2,556	2,500	2,256	1,963	
Interior	981	919	955	999	918	840	735	709	641	664	640	664	671	728	777	875	885	873	932	862	723	736	658	605	735	722	710	719	683	657	656	640	606	
DOT	972	930	982	853	889	830	596	679	862	750	632	502	496	495	518	580	855	836	844	859	761	761	725	737	722	835	887	782	724	747	838	794	794	
EPA	824	820	998	935	766	765	544	425	439	522	540	561	590	603	621	647	678	668	775	715	611	740	783	811	663	666	675	634	721	677	637	557	527	
DOC	698	711	740	809	802	704	588	594	640	669	659	679	646	648	662	757	803	1,067	1,346	1,442	1,256	1,199	1,341	1,315	1,396	1,197	1,398	1,338	1,220	1,185	1,113	1,117	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	303	823	1,120	1,311	1,333	1,005	973		
VA	344	317	303	300	305	324	265	294	347	365	309	363	311	331	319	316	343	340	364	339	333	732	722	781	767	835	862	913	943	784	789	818	803	
Other	1,015	1,087	1,050	1,971	2,094	1,634	1,380	1,237	1,202	947	1,124	1,245	1,190	1,243	1,482	1,373	1,685	1,420	1,394	1,361	1,134	1,099	1,140	1,162	1,033	1,122	1,169	1,189	1,114	1,096	1,116	1,078	1,073	
Total R&D	66,602	70,995	73,081	74,175	74,004	76,139	73,956	73,212	81,127	88,356	91,165	95,392	96,247	97,583	97,252	96,979	98,995	98,129	93,621	91,529	90,131	91,978	93,344	97,266	99,618	106,343	117,529	131,982	137,591	138,789	139,536	141,159	139,637	
R&D:																																		
Defense	33,414	35,055	34,896	34,833	34,556	38,801	43,716	46,896	53,778	59,288	62,830	64,792	64,612	63,117	59,977	56,956	56,737	56,666	50,449	48,808	48,688	49,821	49,868	51,059	51,327	53,676	61,251	71,184	76,619	78,894	80,733	82,226	81,006	
Nondef.	33,188	35,940	38,185	39,342	39,447	37,338	30,240	26,317	27,349	29,068	28,335	30,599	31,635	34,466	37,275	40,023	42,258	41,463	43,172	42,721	41,476	42,157	43,398	46,207	48,291	52,666	56,278	60,798	60,972	59,895	58,803	58,933	58,631	
Basic^	7,456	8,125	10,481	10,942	11,440	10,417	10,386	11,415	12,457	13,314	13,621	14,662	14,991	16,118	16,508	17,502	17,810	18,090	18,037	17,767	18,281	18,613	19,080	21,150	23,154	24,834	27,186	28,295	28,895	29,255	28,082	28,362	27,623	

Source: AAAS Reports I through XXXII, 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 2008 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 estimates of FY 2007 appropriations.

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