

Table 1. R&D by Agency in FY 2002 Appropriations (FINAL as of December 26)

Table 1. Total R&D by Agency
Congressional Action on R&D in the FY 2002 Budget (FINAL - Dec. 26, 2001)
(budget authority in millions of dollars)

	FY 2001 Estimate	FY 2002 Request	Action by Congress				
			FY 2002 Approved	Chg. from Request Amount	Chg. from Request Percent	Chg. from FY 2001 Amount	Chg. from FY 2001 Percent
Defense (military)	42,743	48,454	50,134	1,680	3.5%	7,390	17.3%
("S&T" 6.1,6.2,6.3 + Medical)	9,420	8,827	10,527	1,700	19.3%	1,107	11.8%
(All Other DOD R&D)	33,324	39,627	39,607	-20	-0.1%	6,283	18.9%
National Aeronautics & Space Admin.	9,925	9,967	10,301	334	3.4%	375	3.8%
Energy	7,744	7,399	8,122	723	9.8%	378	4.9%
Health and Human Services	20,859	23,496	24,145	650	2.8%	3,287	15.8%
(National Institutes of Health)	19,710	22,395	22,822	428	1.9%	3,113	15.8%
National Science Foundation	3,279	3,226	3,527	301	9.3%	249	7.6%
Agriculture	1,959	1,801	2,139	338	18.8%	180	9.2%
Interior	631	593	673	80	13.5%	41	6.5%
Transportation	747	798	853	55	6.9%	106	14.2%
Environmental Protection Agency	609	569	702	133	23.4%	93	15.3%
Commerce	1,201	1,110	1,354	244	22.0%	153	12.7%
(NOAA)	726	772	836	64	8.3%	111	15.3%
(NIST)	421	313	493	180	57.6%	72	17.1%
Education	265	259	265	6	2.5%	0	0.1%
Agency for Int'l Development	200	193	204	11	5.7%	4	2.0%
Department of Veterans Affairs	703	722	733	11	1.5%	30	4.3%
Nuclear Regulatory Commission	50	67	68	1	2.0%	18	36.6%
Smithsonian	118	118	119	1	0.7%	1	0.7%
All Other	336	285	355	70	24.4%	19	5.6%
Total R&D	91,371	99,057	103,694	4,638	4.7%	12,324	13.5%
Defense R&D	46,243	51,996	53,928	1,932	3.7%	7,685	16.6%
Nondefense R&D	45,128	47,061	49,766	2,706	5.7%	4,638	10.3%
Nondefense R&D minus NIH	25,418	24,666	26,944	2,278	9.2%	1,526	6.0%
Basic Research	22,015	23,302	24,141	839	3.6%	2,126	9.7%
Applied Research	21,450	22,013	24,105	2,092	9.5%	2,655	12.4%
Total Research	43,464	45,314	48,246	2,932	6.5%	4,782	11.0%
"FS&T"	47,138	49,572	52,373	2,802	5.7%	5,235	11.1%

AAAS estimates of R&D in FY 2002 appropriations bills. Includes conduct of R&D and R&D facilities.

All figures are rounded to the nearest million. Changes calculated from unrounded figures.

December 26, 2001 - Based on approved FY 2002 appropriations bills.

Includes emergency appropriations for counterterrorism and national security.

Table 2. Basic and Applied Research in FY 2002 Final Appropriations (FINAL - December 26)

Table 2. Estimated Research by Agency
Congressional Action on R&D in the FY 2002 Budget (FINAL - Dec. 26, 2001)
(budget authority in millions of dollars)

	FY 2001 Estimate	FY 2002 Request	Action by Congress				
			FY 2002 Approved	Chg. from Request Amount	Chg. from Request Percent	Chg. from FY 2001 Amount	Chg. from FY 2001 Percent
Basic Research:							
Health and Human Services	11,537	12,973	13,133	160	1.2%	1,595	13.8%
<i>National Institutes of Health</i>	11,535	12,971	13,132	161	1.2%	1,596	13.8%
National Science Foundation	2,796	2,799	3,030	231	8.3%	234	8.4%
Department of Defense	1,317	1,304	1,383	79	6.0%	65	5.0%
Department of Energy	2,372	2,347	2,450	103	4.4%	78	3.3%
National Aeronautics & Space Admin.	2,556	2,466	2,607	141	5.7%	51	2.0%
Department of Agriculture	743	717	795	78	10.9%	52	7.0%
Department of the Interior	57	54	59	5	9.2%	2	3.6%
Smithsonian	105	102	103	1	0.8%	-2	-2.1%
Environmental Protection Agency	105	98	122	24	24.6%	17	16.3%
Department of Commerce (NIST)	42	40	43	4	9.0%	2	4.3%
All Other	385	402	416	14	3.6%	31	8.1%
Total Est. Basic Research	22,015	23,302	24,141	839	3.6%	2,126	9.7%
RESEARCH (basic and applied):							
Health and Human Services	20,575	23,046	23,539	493	2.1%	2,964	14.4%
<i>National Institutes of Health</i>	19,478	21,988	22,348	360	1.6%	2,870	14.7%
National Science Foundation	3,016	3,017	3,266	249	8.3%	250	8.3%
Department of Defense	5,405	5,028	6,056	1,028	20.4%	651	12.0%
Department of Energy	4,597	4,474	4,802	329	7.3%	206	4.5%
National Aeronautics & Space Admin.	4,243	4,277	4,523	246	5.7%	280	6.6%
Department of Agriculture	1,664	1,545	1,693	148	9.5%	29	1.7%
Department of the Interior	594	557	629	72	12.9%	35	5.9%
Environmental Protection Agency	475	442	552	110	24.8%	77	16.3%
Department of Commerce	995	987	1,136	149	15.1%	142	14.3%
NOAA	692	741	772	31	4.2%	80	11.6%
NIST	296	239	358	118	49.5%	62	20.9%
Department of Transportation	477	530	563	33	6.3%	86	18.0%
Department of Veterans Affairs	689	707	718	11	1.5%	29	4.2%
Department of Education	167	169	173	4	2.5%	6	3.7%
All Other	568	535	596	61	11.4%	28	4.9%
TOTAL EST. RESEARCH	43,464	45,314	48,246	2,932	6.5%	4,782	11.0%

AAAS estimates of basic and applied research in FY 2002 appropriations bills.

All figures are rounded to the nearest million. Changes calculated from unrounded figures.

December 26, 2001 - Based on enacted FY 2002 appropriations bills.

Includes emergency appropriations for counterterrorism and national security.

Table 3. Major Functional Categories of R&D in FY 2002 Appropriations (FINAL)

**Table 3. Major Functional Categories of R&D
Congressional Action on R&D in the FY 2002 Budget (FINAL - Dec. 26, 2001)
(budget authority in millions of dollars)**

	FY 2001 Estimate	FY 2002 Request	Action by Congress				
			FY 2002 Approved	Chg. from Request		Chg. from FY 2001	
				Amount	Percent	Amount	Percent
Defense ¹	46,243	51,996	53,928	1,932	3.7%	7,685	16.6%
Nondefense ²	45,128	47,061	49,766	2,706	5.7%	4,638	10.3%
Space	8,999	9,077	9,368	292	3.2%	369	4.1%
Health	21,506	24,173	24,818	646	2.7%	3,312	15.4%
Energy	1,340	994	1,379	384	38.7%	38	2.9%
General Science	6,234	6,156	6,545	389	6.3%	312	5.0%
Natural Resources & Environ.	2,272	2,230	2,528	297	13.3%	255	11.2%
Agriculture	1,713	1,551	1,874	322	20.8%	161	9.4%
Transportation	1,673	1,688	1,785	98	5.8%	112	6.7%
Commerce	475	337	517	180	53.5%	42	8.8%
International	216	206	217	11	5.3%	1	0.5%
All Other	700	649	736	87	13.3%	36	5.1%
Total R&D	91,371	99,057	103,694	4,638	4.7%	12,324	13.5%

AAAS estimates of R&D in FY 2002 appropriations bills. Includes conduct of R&D and R&D facilities.

All figures are rounded to the nearest million. Changes calculated from unrounded figures.

Classifications generally follow the government's budget function categories except health (which here includes health R&D in HHS and VA).

¹ Includes DOD R&D and atomic energy defense R&D in DOE.

² Includes all R&D not in defense (domestic and international discretionary programs).

December 26, 2001 - Based on enacted FY 2002 appropriations bills.

Includes emergency appropriations for counterterrorism and national security.

**Table 4. "FS&T Budget" by Agency
Congressional Action on R&D in the FY 2002 Budget (FINAL - Dec. 26, 2001)
(budget authority in millions of dollars)**

	FY 2001 Estimate	FY 2002 Request	Action by Congress				
			FY 2002 Approved	Chg. from Request Amount	Percent	Chg. from FY 2001 Amount	Percent
Health and Human Services	20,361	23,112	23,556	444	1.9%	3,195	15.7%
<i>(National Institutes of Health)</i>	20,361	23,112	23,556	444	1.9%	3,195	15.7%
National Science Foundation	4,417	4,473	4,789	317	7.1%	373	8.4%
Department of Energy	4,912	4,654	5,217	563	12.1%	305	6.2%
National Aeronautics & Space Admin.	6,934	7,038	7,283	245	3.5%	349	5.0%
Department of Defense	4,993	4,963	5,595	632	12.7%	601	12.0%
<i>(Basic Research)</i>	1,317	1,304	1,383	79	6.0%	65	5.0%
<i>(Applied Research)</i>	3,676	3,659	4,212	553	15.1%	536	14.6%
Agriculture	1,836	1,767	1,877	110	6.2%	41	2.2%
Commerce	808	711	930	219	30.8%	122	15.1%
<i>(OAR in NOAA)</i>	315	330	356	26	7.9%	41	13.0%
<i>(NIST minus MEP)</i>	493	381	574	193	50.6%	81	16.4%
Interior (USGS)	883	813	914	101	12.4%	31	3.5%
Environmental Protection Agency	732	677	825	148	21.8%	93	12.8%
Veterans Affairs	350	360	371	11	3.1%	21	6.0%
Education	364	368	378	10	2.8%	14	3.9%
Transportation	548	635	638	3	0.5%	90	16.4%
Total "FS&T"	47,138	49,572	52,373	2,802	5.7%	5,235	11.1%

AAAS estimates of FS&T in FY 2002 appropriations bills,

OMB data from the *Budget of the U.S. Government FY 2002: Analytical Perspectives* Chapter 7.

The programs in the Federal Science and Technology Budget do not correspond to definitions of R&D.

The FS&T Budget contains selected R&D and non-R&D programs with an emphasis on basic and applied research and the creation of new knowledge or technologies. The programs in this table were selected by OMB, and differ from the original definitions of FS&T proposed by the National Academy of Sciences.

December 26, 2001 - Based on approved FY 2002 appropriations bills.

Includes emergency appropriations for counterterrorism and national security.