

Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work
(budget authority in millions of dollars) **(Revised July '01)**

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
TOTAL R&D (Conduct of R&D and R&D Facilities)					
Defense (military)	39,960	42,743	48,454	5,711	13.4%
<i>S&T (6.1-6.3 + medical)</i>	8,632	9,420	8,843	-577	-6.1%
<i>All Other DOD R&D</i>	31,328	33,324	39,611	6,287	18.9%
Health and Human Services	18,182	20,859	23,496	2,637	12.6%
<i>Nat'l Institutes of Health</i>	17,234	19,710	22,395	2,685	13.6%
NASA	9,494	9,925	9,967	41	0.4%
Energy	6,956	7,744	7,399	-346	-4.5%
Nat'l Science Foundation	2,931	3,279	3,226	-52	-1.6%
Agriculture	1,776	1,959	1,801	-158	-8.1%
Commerce	1,174	1,201	1,110	-91	-7.6%
<i>NOAA</i>	643	726	772	47	6.4%
<i>NIST</i>	471	421	313	-108	-25.7%
Interior	618	631	593	-39	-6.1%
Transportation	607	747	798	51	6.8%
Environ. Protection Agency	558	609	569	-40	-6.5%
Veterans Affairs	645	703	722	19	2.7%
Education	238	265	259	-6	-2.3%
Int'l Assistance Programs	200	216	206	-10	-4.6%
Smithsonian	114	118	118	0	0.0%
Labor	16	22	13	-9	-40.9%
Nuclear Reg. Comm.	53	50	67	17	34.0%
Corps of Engineers	48	60	46	-14	-23.3%
Housing and Urban Dev.	45	54	43	-11	-20.4%
Justice	73	90	74	-16	-17.8%
Social Security	25	42	42	0	0.0%
Postal Service	42	45	46	1	2.2%
Treasury	14	7	8	1	14.3%
Total R&D	83,769	91,371	99,057	7,686	8.4%
Defense R&D	43,161	46,243	51,996	5,753	12.4%
Nondefense R&D	40,608	45,128	47,061	1,933	4.3%

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Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work (budget authority in millions of dollars) (Revised July '01)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02	
				Amount	Percent
BASIC RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military)	1,139	1,317	1,304	-13	-1.0%
Health and Human Services	10,099	11,537	12,973	1,436	12.4%
<i>Nat'l Institutes of Health</i>	<i>10,097</i>	<i>11,535</i>	<i>12,971</i>	<i>1,436</i>	<i>12.4%</i>
NASA	2,148	2,556	2,466	-90	-3.5%
Energy	2,263	2,372	2,347	-25	-1.1%
Nat'l Science Foundation	2,540	2,796	2,799	3	0.1%
Agriculture	684	743	717	-26	-3.5%
Commerce	39	42	40	-2	-4.3%
NOAA	0	0	0	0	-
NIST	39	42	40	-2	-4.3%
Interior	52	57	54	-3	-5.1%
Transportation	10	17	21	4	23.4%
Environ. Protection Agency	58	105	98	-7	-6.7%
Veterans Affairs	266	290	304	14	4.8%
Education	2	2	2	0	0.0%
Int'l Assistance Programs	42	51	49	-2	-3.9%
Smithsonian	103	105	102	-3	-2.9%
Labor	2	2	2	0	0.0%
Corps of Engineers	3	3	3	0	0.0%
Justice	20	20	21	1	5.0%
Total BASIC RESEARCH	19,470	22,015	23,302	1,287	5.8%
Defense	1,184	1,369	1,355	-14	-1.0%
Nondefense	18,286	20,645	21,946	1,301	6.3%

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Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work
(budget authority in millions of dollars) (Revised July '01)

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
APPLIED RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	3,704	4,088	3,724	-364	-8.9%
Health and Human Services	7,787	9,038	10,073	1,035	11.5%
<i>Nat'l Institutes of Health</i>	<i>6,896</i>	<i>7,943</i>	<i>9,017</i>	<i>1,074</i>	<i>13.5%</i>
NASA	1,542	1,688	1,811	124	7.3%
Energy	1,886	2,224	2,127	-98	-4.4%
Nat'l Science Foundation	184	220	218	-2	-0.9%
Agriculture	835	921	828	-93	-10.1%
Commerce	857	953	947	-6	-0.6%
NOAA	601	692	741	49	7.1%
NIST	239	254	199	-55	-21.6%
Interior	520	537	503	-34	-6.3%
Transportation	397	460	509	49	10.5%
Environ. Protection Agency	387	370	345	-26	-6.9%
Veterans Affairs	367	399	403	4	1.0%
Education	151	165	167	2	1.2%
Int'l Assistance Programs	152	162	154	-8	-4.9%
Smithsonian	0	0	0	0	- -
Labor	14	20	11	-9	-45.0%
Nuclear Reg. Comm.	53	50	67	17	34.0%
Corps of Engineers	20	14	14	0	0.0%
Housing and Urban Dev.	45	54	43	-11	-20.4%
Justice	26	38	20	-18	-47.4%
Social Security	25	42	42	0	0.0%
Treasury	6	7	7	0	0.0%
Total APPLIED RESEARCH	18,958	21,450	22,013	563	2.6%
Defense	5,105	5,737	5,460	-277	-4.8%
Nondefense	13,853	15,713	16,552	839	5.3%

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Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work
(budget authority in millions of dollars) (Revised July '01)

	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
Total RESEARCH (basic + applied)					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	4,843	5,405	5,028	-377	-7.0%
Health and Human Services	17,886	20,575	23,046	2,471	12.0%
<i>Nat'l Institutes of Health</i>	16,993	19,478	21,988	2,510	12.9%
NASA	3,690	4,243	4,277	34	0.8%
Energy	4,149	4,597	4,474	-123	-2.7%
Nat'l Science Foundation	2,724	3,016	3,017	1	0.0%
Agriculture	1,518	1,664	1,545	-119	-7.1%
Commerce	896	995	987	-8	-0.8%
NOAA	601	692	741	49	7.1%
NIST	278	296	239	-57	-19.2%
Interior	572	594	557	-37	-6.2%
Transportation	407	477	530	53	11.0%
Environ. Protection Agency	445	475	442	-33	-6.9%
Veterans Affairs	633	689	707	18	2.6%
Education	153	167	169	2	1.2%
Int'l Assistance Programs	194	213	203	-10	-4.7%
Smithsonian	103	105	102	-3	-2.9%
Labor	16	22	13	-9	-40.9%
Nuclear Reg. Comm.	53	50	67	17	34.0%
Corps of Engineers	23	17	17	0	0.0%
Housing and Urban Dev.	45	54	43	-11	-20.4%
Justice	46	58	41	-17	-29.3%
Social Security	25	42	42	0	0.0%
Treasury	6	7	7	0	0.0%
Total RESEARCH	38,428	43,464	45,314	1,850	4.3%
Defense	6,289	7,106	6,816	-291	-4.1%
Nondefense	32,139	36,358	38,498	2,140	5.9%

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Table II-1. R&D in the FY 2002 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work (budget authority in millions of dollars) (Revised July '01)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02 Amount Percent	
DEVELOPMENT					
Defense (military)	35,021	37,160	43,246	6,086	16.4%
<i>S&T (6.3 Development)</i>	3,789	4,015	3,815	-200	-5.0%
<i>All Other DOD Develop.</i>	31,233	33,146	39,431	6,285	19.0%
Health and Human Services	44	39	28	-11	-28.2%
<i>Nat'l Institutes of Health</i>	0	0	0	0	--
NASA	2,716	2,696	2,755	60	2.2%
Energy	1,907	2,094	1,855	-239	-11.4%
Nat'l Science Foundation	0	0	0	0	--
Agriculture	111	120	124	4	3.3%
Commerce	131	145	72	-73	-50.3%
<i>NOAA</i>	19	24	19	-5	-22.0%
<i>NIST</i>	70	74	36	-38	-50.8%
Interior	29	32	30	-2	-6.2%
Transportation	186	255	250	-5	-1.9%
Environ. Protection Agency	92	100	93	-7	-7.2%
Veterans Affairs	12	14	15	1	7.1%
Education	85	98	90	-8	-8.2%
Int'l Assistance Programs	6	3	3	0	0.0%
Corps of Engineers	15	10	10	0	0.0%
Justice	27	32	33	1	3.1%
Postal Service	42	45	46	1	2.2%
Total Development	40,424	42,841	48,650	5,808	13.6%
Defense	36,292	38,489	44,546	6,057	15.7%
Nondefense	4,132	4,353	4,104	-249	-5.7%

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Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work (budget authority in millions of dollars) (Revised July '01)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02 Amount Percent	
Total CONDUCT OF R&D (basic + applied research, development)					
Defense (military)	39,865	42,565	48,274	5,709	13.4%
<i>S&T (6.1-6.3 + medical)</i>	8,632	9,420	8,843	-577	-6.1%
<i>All Other DOD Conduct</i>	31,233	33,146	39,431	6,285	19.0%
Health and Human Services	17,930	20,614	23,074	2,460	11.9%
<i>Nat'l Institutes of Health</i>	16,993	19,478	21,988	2,510	12.9%
NASA	6,405	6,939	7,033	94	1.4%
Energy	6,057	6,690	6,329	-362	-5.4%
Nat'l Science Foundation	2,724	3,016	3,017	1	0.0%
Agriculture	1,629	1,783	1,669	-115	-6.4%
Commerce	1,027	1,140	1,059	-81	-7.1%
<i>NOAA</i>	620	716	759	44	6.1%
<i>NIST</i>	348	370	276	-94	-25.5%
Interior	601	625	587	-39	-6.2%
Transportation	594	732	780	48	6.5%
Environ. Protection Agency	537	575	535	-40	-6.9%
Veterans Affairs	645	703	722	19	2.7%
Education	238	265	259	-6	-2.3%
Int'l Assistance Programs	200	216	206	-10	-4.6%
Smithsonian	103	105	102	-3	-2.9%
Labor	16	22	13	-9	-40.9%
Nuclear Reg. Comm.	53	50	67	17	34.0%
Corps of Engineers	38	27	27	0	0.0%
Housing and Urban Dev.	45	54	43	-11	-20.4%
Justice	73	90	74	-16	-17.8%
Social Security	25	42	42	0	0.0%
Postal Service	42	45	46	1	2.2%
Treasury	6	7	7	0	0.0%
Total Conduct of R&D	78,852	86,306	93,964	7,658	8.9%
Defense	42,580	45,595	51,362	5,766	12.6%
Nondefense	36,272	40,711	42,602	1,892	4.6%

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Table II-1 (continued). R&D in the FY 2002 Budget by Agency and Character of Work (budget authority in millions of dollars) (Revised July '01)

	FY 2000 Actual	FY 2001 Estimate	FY 2002 Budget	Change FY 01-02 Amount Percent	
R&D Facilities and Capital Equipment					
Defense (military)	95	178	180	2	1.1%
Health and Human Services	253	245	422	177	72.4%
<i>Nat'l Institutes of Health</i>	242	232	407	175	75.5%
NASA	3,089	2,987	2,934	-53	-1.8%
Energy	899	1,054	1,070	16	1.5%
Nat'l Science Foundation	207	263	209	-53	-20.2%
Agriculture	147	176	133	-43	-24.6%
Commerce	147	62	51	-11	-17.7%
NOAA	23	10	13	3	30.0%
NIST	123	51	37	-14	-27.4%
Interior	17	6	6	0	0.0%
Transportation	14	15	18	3	19.9%
Environ. Protection Agency	21	34	34	0	0.0%
Veterans Affairs	0	0	0	0	--
Housing and Urban Dev.	0	0	0	0	--
Corps of Engineers	10	33	19	-14	-42.4%
Treasury	8	0	1	1	--
Smithsonian	11	13	16	3	23.1%
Total R&D Facils.	4,917	5,065	5,093	28	0.5%
Defense	580	648	634	-13	-2.1%
Nondefense	4,337	4,417	4,458	41	0.9%

Source: AAAS, based on OMB data for R&D for FY 2002, agency budget justifications, and information from agency budget offices.

Note: The projected inflation rate between FY 2001 and FY 2002 is 2.1 percent.

See individual agency tables for more information.

Note: FY 2002 DOD figures revised to reflect amended FY 2002 budget request.

FY 2001 figures adjusted to reflect rescissions and supplementals in Public Law 107-20.