

Table II-1. R&D in the FY 2003 Budget by Agency and Character of Work

Table II-1. R&D in the FY 2003 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 2001	FY 2002	FY 2003	Change FY 02-03	
	Actual	Estimate	Budget	Amount	Percent
TOTAL R&D (Conduct of R&D and R&D Facilities)					
Defense (military)	42,740	49,639	54,827	5,188	10.5%
<i>S&T (6.1-6.3 + medical)</i>	9,365	10,341	9,957	-384	-3.7%
<i>All Other DOD R&D</i>	33,375	39,298	44,870	5,572	14.2%
Health and Human Services	21,045	24,141	27,551	3,410	14.1%
<i>Nat'l Institutes of Health</i>	19,807	22,795	26,452	3,657	16.0%
NASA	9,887	10,232	10,676	444	4.3%
Energy	7,733	8,361	8,323	-38	-0.5%
Nat'l Science Foundation	3,320	3,526	3,651	125	3.5%
Agriculture	2,181	2,334	2,118	-216	-9.3%
Commerce	1,030	1,096	1,100	4	0.3%
<i>NOAA</i>	561	611	605	-6	-1.1%
<i>NIST</i>	413	460	483	23	5.0%
Interior	621	660	628	-32	-4.8%
Transportation	718	778	736	-42	-5.4%
Environ. Protection Agency	574	592	627	35	5.9%
Veterans Affairs	719	761	810	49	6.5%
Education	264	268	311	43	16.0%
Int'l Assistance Programs	252	268	182	-86	-32.1%
Smithsonian	121	126	131	5	4.0%
Tennessee Valley Auth.	29	30	30	0	0.0%
Labor	17	20	10	-10	-50.0%
Nuclear Reg. Comm.	53	61	68	7	11.5%
Corps of Engineers	27	27	27	0	0.0%
Housing and Urban Dev.	53	47	47	0	0.0%
Justice	88	98	114	16	16.3%
Social Security	30	37	30	-7	-18.9%
Postal Service	29	46	47	1	2.2%
Treasury	3	3	3	0	0.0%
Total R&D	91,534	103,150	112,047	8,897	8.6%
Defense R&D	46,202	53,478	58,774	5,297	9.9%
Nondefense R&D	45,332	49,672	53,273	3,601	7.2%

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	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03	
				Amount	Percent
BASIC RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military)	1,287	1,376	1,365	-11	-0.8%
Health and Human Services	11,642	13,193	14,379	1,185	9.0%
<i>Nat'l Institutes of Health</i>	<i>11,639</i>	<i>13,190</i>	<i>14,376</i>	<i>1,185</i>	<i>9.0%</i>
NASA	1,695	1,967	2,361	395	20.1%
Energy	2,390	2,424	2,519	94	3.9%
Nat'l Science Foundation	2,852	3,058	3,205	147	4.8%
Agriculture	801	860	880	20	2.3%
Commerce	50	52	73	21	40.4%
NOAA	0	0	0	0	--
NIST	50	52	73	21	40.4%
Interior	56	58	55	-3	-4.4%
Transportation	17	13	25	12	92.6%
Environ. Protection Agency	104	107	101	-6	-5.3%
Veterans Affairs	289	329	351	23	6.9%
Education	2	2	1	-1	-50.0%
Int'l Assistance Programs	50	53	39	-14	-26.4%
Smithsonian	108	111	114	3	2.7%
Labor	2	2	2	0	0.0%
Corps of Engineers	3	3	3	0	0.0%
Justice	27	27	25	-2	-7.4%
Total BASIC RESEARCH	21,376	23,635	25,499	1,864	7.9%
Defense	1,303	1,392	1,383	-10	-0.7%
Nondefense	20,073	22,243	24,116	1,874	8.4%

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Table II-1 (continued). R&D in the FY 2003 Budget by Agency and Character of Work
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	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03 Amount Percent	
APPLIED RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	4,106	4,550	3,847	-703	-15.4%
Health and Human Services	9,094	10,416	12,258	1,842	17.7%
<i>Nat'l Institutes of Health</i>	<i>7,923</i>	<i>9,156</i>	<i>11,203</i>	<i>2,047</i>	<i>22.4%</i>
NASA	2,599	2,857	3,188	330	11.6%
Energy	2,306	2,731	2,669	-62	-2.3%
Nat'l Science Foundation	180	192	199	7	3.7%
Agriculture	1,044	986	946	-40	-4.1%
Commerce	775	835	810	-25	-3.0%
NOAA	511	546	546	0	0.0%
NIST	256	282	255	-27	-9.5%
Interior	534	570	541	-29	-5.1%
Transportation	444	503	481	-22	-4.4%
Environ. Protection Agency	369	383	430	47	12.3%
Veterans Affairs	415	417	442	26	6.1%
Education	172	178	212	34	19.1%
Int'l Assistance Programs	199	215	143	-72	-33.5%
Smithsonian	0	0	0	0	- -
Tennessee Valley Auth.	15	15	15	0	0.0%
Labor	15	18	8	-10	-55.6%
Nuclear Reg. Comm.	53	61	68	7	11.5%
Corps of Engineers	14	14	14	0	0.0%
Housing and Urban Dev.	53	47	47	0	0.0%
Justice	31	22	20	-2	-9.1%
Social Security	30	37	30	-7	-18.9%
Treasury	3	3	3	0	0.0%
Total APPLIED RESEARCH	22,451	25,050	26,370	1,320	5.3%
Defense	5,786	6,526	5,924	-602	-9.2%
Nondefense	16,665	18,524	20,447	1,923	10.4%

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Table II-1 (continued). R&D in the FY 2003 Budget by Agency and Character of Work
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	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03 Amount	Percent
Total RESEARCH (basic + applied)					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	5,393	5,926	5,213	-713	-12.0%
Health and Human Services	20,735	23,610	26,636	3,027	12.8%
<i>Nat'l Institutes of Health</i>	<i>19,561</i>	<i>22,346</i>	<i>25,578</i>	<i>3,232</i>	<i>14.5%</i>
NASA	4,294	4,824	5,549	725	15.0%
Energy	4,697	5,155	5,188	32	0.6%
Nat'l Science Foundation	3,032	3,250	3,404	154	4.7%
Agriculture	1,845	1,846	1,826	-20	-1.1%
Commerce	825	887	883	-4	-0.4%
NOAA	511	546	546	0	0.0%
NIST	306	334	328	-6	-1.8%
Interior	590	628	596	-32	-5.1%
Transportation	461	517	506	-10	-2.0%
Environ. Protection Agency	474	489	531	41	8.5%
Veterans Affairs	704	745	794	48	6.5%
Education	174	180	213	33	18.3%
Int'l Assistance Programs	249	268	182	-86	-32.1%
Smithsonian	108	111	114	3	2.7%
Tennessee Valley Auth.	15	15	15	0	0.0%
Labor	17	20	10	-10	-50.0%
Nuclear Reg. Comm.	53	61	68	7	11.5%
Corps of Engineers	17	17	17	0	0.0%
Housing and Urban Dev.	53	47	47	0	0.0%
Justice	58	49	45	-4	-8.2%
Social Security	30	37	30	-7	-18.9%
Treasury	3	3	3	0	0.0%
Total RESEARCH	43,826	48,685	51,869	3,184	6.5%
Defense	7,088	7,918	7,306	-612	-7.7%
Nondefense	36,738	40,767	44,563	3,796	9.3%

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Table II-1 (continued). R&D in the FY 2003 Budget by Agency and Character of Work
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	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03	
				Amount	Percent
DEVELOPMENT					
Defense (military)	37,326	43,703	49,593	5,890	13.5%
<i>S&T (6.3 Development)</i>	3,972	4,415	4,745	330	7.5%
<i>All Other DOD Develop.</i>	33,354	39,288	44,848	5,560	14.2%
Health and Human Services	45	62	28	-34	-54.8%
<i>Nat'l Institutes of Health</i>	0	0	0	0	--
NASA	2,768	2,667	2,723	56	2.1%
Energy	1,965	2,061	2,062	1	0.0%
Nat'l Science Foundation	0	0	0	0	--
Agriculture	152	163	156	-7	-4.3%
Commerce	139	132	80	-52	-39.6%
NOAA	23	28	29	1	2.0%
NIST	69	87	49	-38	-43.7%
Interior	32	32	32	0	-0.2%
Transportation	243	244	210	-34	-13.9%
Environ. Protection Agency	100	102	96	-6	-6.3%
Veterans Affairs	14	15	16	1	6.4%
Education	90	88	98	10	11.4%
Int'l Assistance Programs	3	0	0	0	--
Tennessee Valley Auth.	14	15	15	0	0.0%
Labor	0	0	0	0	--
Corps of Engineers	10	10	10	0	0.0%
Justice	30	49	69	20	40.8%
Postal Service	29	46	47	1	2.2%
Total Development	42,959	49,390	55,235	5,845	11.8%
Defense	38,624	45,003	50,952	5,949	13.2%
Nondefense	4,334	4,386	4,283	-104	-2.4%

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Table II-1 (continued). R&D in the FY 2003 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03 Amount Percent	
Total CONDUCT OF R&D (basic + applied research, development)					
Defense (military)	42,719	49,629	54,805	5,176	10.4%
<i>S&T (6.1-6.3 + medical)</i>	9,365	10,341	9,957	-384	-3.7%
<i>All Other DOD Conduct</i>	33,354	39,288	44,848	5,560	14.2%
Health and Human Services	20,780	23,672	26,664	2,993	12.6%
<i>Nat'l Institutes of Health</i>	19,561	22,346	25,578	3,232	14.5%
NASA	7,062	7,491	8,272	781	10.4%
Energy	6,661	7,216	7,250	33	0.5%
Nat'l Science Foundation	3,032	3,250	3,404	154	4.7%
Agriculture	1,997	2,009	1,982	-27	-1.3%
Commerce	964	1,019	963	-56	-5.5%
<i>NOAA</i>	534	574	575	1	0.1%
<i>NIST</i>	375	421	377	-44	-10.4%
Interior	621	660	628	-32	-4.8%
Transportation	704	761	717	-44	-5.8%
Environ. Protection Agency	574	592	627	35	5.9%
Veterans Affairs	719	761	810	49	6.5%
Education	264	268	311	43	16.0%
Int'l Assistance Programs	252	268	182	-86	-32.1%
Smithsonian	108	111	114	3	2.7%
Tennessee Valley Auth.	29	30	30	0	0.0%
Labor	17	20	10	-10	-50.0%
Nuclear Reg. Comm.	53	61	68	7	11.5%
Corps of Engineers	27	27	27	0	0.0%
Housing and Urban Dev.	53	47	47	0	0.0%
Justice	88	98	114	16	16.3%
Social Security	30	37	30	-7	-18.9%
Postal Service	29	46	47	1	2.2%
Treasury	3	3	3	0	0.0%
Total Conduct of R&D	86,785	98,075	107,104	9,029	9.2%
Defense	45,713	52,922	58,259	5,337	10.1%
Nondefense	41,072	45,153	48,845	3,692	8.2%

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Table II-1 (continued). R&D in the FY 2003 Budget by Agency and Character of Work
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	FY 2001 Actual	FY 2002 Estimate	FY 2003 Budget	Change FY 02-03	
				Amount	Percent
R&D Facilities and Capital Equipment					
Defense (military)	21	10	22	12	120.0%
Health and Human Services	265	469	887	418	89.0%
<i>Nat'l Institutes of Health</i>	<i>246</i>	<i>449</i>	<i>874</i>	<i>425</i>	<i>94.6%</i>
NASA	2,826	2,741	2,404	-337	-12.3%
Energy	1,072	1,145	1,073	-71	-6.2%
Nat'l Science Foundation	288	276	247	-29	-10.4%
Agriculture	184	325	136	-189	-58.2%
Commerce	66	77	137	60	77.9%
NOAA	27	37	30	-7	-18.9%
NIST	38	39	106	67	171.8%
Transportation	15	17	19	2	11.5%
Smithsonian	13	15	17	2	13.3%
Total R&D Facils.	4,749	5,075	4,943	-132	-2.6%
Defense	489	556	516	-40	-7.3%
Nondefense	4,260	4,519	4,427	-92	-2.0%

Source: AAAS, based on OMB data for R&D for FY 2003, agency budget justifications, and information from agency budget offices.

All years include homeland security and other emergency appropriations.

All years adjusted to include proposals to fully fund federal retiree costs.

Note: The projected inflation rate between FY 2002 and FY 2003 is 1.8 percent.

See individual agency tables for more information.

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