

Appendix table 4-32
Estimated Federal obligations for R&D and R&D plant, by selected agency, performer, and character of work: FY 2003
(Millions of current dollars)

Agency	Total	Federal intramural	Industrial firms	FFRDCs administered by industry	U&C	FFRDCs administered by U&C	Other nonprofits	FFRDCs administered by nonprofits	State and local government	Foreign
Total R&D and R&D plant										
All agencies	103,114	25,346	38,669	1,587	23,425	5,391	6,307	1,567	396	426
Department of Agriculture	2,136	1,519	19	0	575	0	16	0	3	4
Department of Commerce	1,120	893	120	1	84	2	13	0	6	0
Department of Defense	45,187	12,423	29,519	125	1,846	319	278	408	0	269
Department of Energy	8,538	765	1,375	1,154	759	3,328	78	1,073	2	2
Department of Health and Human Services	28,277	5,668	1,425	281	15,735	76	4,764	47	185	96
Department of the Interior	596	535	9	0	43	0	1	0	6	1
Department of Transportation	641	192	223	7	30	14	19	4	151	1
Environmental Protection Agency	648	305	94	0	172	0	67	0	10	1
National Aeronautics and Space Administration	10,705	2,180	5,540	0	942	1,419	555	17	9	43
National Science Foundation	3,651	25	189	0	2,963	225	228	5	9	6
All other agencies	1,615	841	154	18	275	9	289	12	15	2
R&D										
All agencies	98,608	24,558	36,411	1,478	23,055	4,835	6,261	1,222	393	396
Department of Agriculture	1,984	1,367	19	0	575	0	16	0	3	4
Department of Commerce	1,065	838	120	1	84	2	13	0	6	0
Department of Defense	45,012	12,409	29,360	125	1,845	319	278	407	0	269
Department of Energy	7,541	764	1,335	1,045	749	2,826	78	738	2	2
Department of Health and Human Services	27,551	5,162	1,425	281	15,549	76	4,733	47	182	96
Department of the Interior	594	535	8	0	43	0	1	0	6	1
Department of Transportation	622	192	204	7	30	14	19	4	151	1
Environmental Protection Agency	627	284	94	0	172	0	67	0	10	1
National Aeronautics and Space Administration	8,598	2,150	3,536	0	942	1,397	543	8	9	13
National Science Foundation	3,404	19	156	0	2,790	192	225	5	9	6
All other agencies	1,611	837	154	18	275	9	289	12	15	2
Basic research										
All agencies	25,977	4,411	1,446	220	14,024	1,984	3,153	571	90	78
Department of Agriculture	955	663	6	0	277	0	6	0	1	2
Department of Commerce	97	83	2	0	12	0	0	0	0	0
Department of Defense	1,737	661	173	1	814	20	54	4	0	11
Department of Energy	2,543	53	133	52	570	1,185	18	530	2	1
Department of Health and Human Services	14,456	1,908	441	167	9,060	45	2,681	28	69	57
Department of the Interior	58	52	0	0	5	0	0	0	0	0
Department of Transportation	26	6	9	0	1	1	7	0	2	0
Environmental Protection Agency	116	64	10	0	28	0	12	0	2	0
National Aeronautics and Space Administration	2,459	615	555	0	584	540	155	4	5	1
National Science Foundation	3,205	19	106	0	2,652	192	216	5	9	6
All other agencies	325	288	13	0	21	0	2	0	1	0

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Applied research										
All agencies	27,400	8,799	5,119	762	8,205	1,494	2,598	171	193	59
Department of Agriculture	861	545	13	0	290	0	9	0	2	2
Department of Commerce	866	714	61	1	72	2	10	0	6	0
Department of Defense	4,773	1,968	2,043	15	531	71	96	37	0	13
Department of Energy	2,833	399	271	608	137	1,295	25	98	0	0
Department of Health and Human Services	12,333	3,234	441	114	6,425	31	1,960	19	69	40
Department of the Interior	496	444	8	0	37	0	1	0	5	1
Department of Transportation	376	135	102	7	20	10	7	4	91	1
Environmental Protection Agency	415	173	76	0	117	0	43	0	7	0
National Aeronautics and Space Administration	3,310	828	1,965	0	228	76	209	0	3	1
National Science Foundation	199	0	50	0	139	0	9	0	0	0
All other agencies	938	360	90	18	210	9	228	12	10	2
Development										
All agencies	45,231	11,347	29,846	495	826	1,356	510	481	111	259
Department of Agriculture	169	159	0	0	8	0	1	0	0	0
Department of Commerce	101	41	58	0	0	0	2	0	0	0
Department of Defense	38,501	9,780	27,144	109	500	228	128	366	0	246
Department of Energy	2,165	312	931	386	43	346	35	110	0	1
Department of Health and Human Services	762	20	543	0	63	0	91	0	44	0
Department of the Interior	40	38	0	0	1	0	0	0	0	0
Department of Transportation	220	52	93	0	9	2	5	0	59	0
Environmental Protection Agency	96	47	9	0	27	0	12	0	2	0
National Aeronautics and Space Administration	2,829	707	1,016	0	130	780	179	4	1	11
National Science Foundation	0	0	0	0	0	0	0	0	0	0
All other agencies	348	189	51	1	44	0	58	0	4	0
R&D plant										
All agencies	4,506	788	2,258	109	370	556	46	345	3	30
Department of Agriculture	152	152	0	0	0	0	0	0	0	0
Department of Commerce	55	55	0	0	0	0	0	0	0	0
Department of Defense	175	14	159	0	1	0	0	1	0	0
Department of Energy	997	1	40	109	10	502	0	335	0	0
Department of Health and Human Services	726	506	0	0	186	0	31	0	3	0
Department of the Interior	2	0	1	0	0	0	0	0	0	0
Department of Transportation	19	0	19	0	0	0	0	0	0	0
Environmental Protection Agency	21	21	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,107	30	2,004	0	0	22	12	9	0	30
National Science Foundation	247	6	33	0	173	33	3	0	0	0
All other agencies	4	4	0	0	0	0	0	0	0	0

FFRDC federally funded research and development center

U&C universities and colleges

SOURCE: National Science Foundation, Division of Science Resources Statistics, *Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003* (Arlington, VA, forthcoming).