

Table 9.7—SUMMARY OF OUTLAYS FOR THE CONDUCT OF RESEARCH AND DEVELOPMENT: 1949–2009

Fiscal Year	In Millions of Dollars			In Billions of Constant (FY 2000) Dollars			As Percentages of Total Outlays			As Percentages of GDP		
	National Defense	Non-defense	Total	National Defense	Non-defense	Total	National Defense	Non-defense	Total	National Defense	Non-defense	Total
1949	762	178	940	4.6	1.1	5.7	2.0	0.5	2.4	0.3	0.1	0.3
1950	772	282	1,054	4.7	1.7	6.4	1.8	0.7	2.5	0.3	0.1	0.4
1951	846	279	1,125	4.9	1.6	6.5	1.9	0.6	2.5	0.3	0.1	0.4
1952	1,204	291	1,495	6.7	1.6	8.3	1.8	0.4	2.2	0.3	0.1	0.4
1953	1,553	295	1,848	8.5	1.6	10.1	2.0	0.4	2.4	0.4	0.1	0.5
1954	1,551	297	1,848	8.4	1.6	10.0	2.2	0.4	2.6	0.4	0.1	0.5
1955	1,550	345	1,895	8.3	1.9	10.2	2.3	0.5	2.8	0.4	0.1	0.5
1956	1,898	428	2,326	9.9	2.2	12.2	2.7	0.6	3.3	0.4	0.1	0.5
1957	2,134	577	2,711	10.8	2.9	13.7	2.8	0.8	3.5	0.5	0.1	0.6
1958	2,459	729	3,188	12.0	3.6	15.6	3.0	0.9	3.9	0.5	0.2	0.7
1959	5,364	1,020	6,384	25.9	4.9	30.8	5.8	1.1	6.9	1.1	0.2	1.3
1960	5,937	1,385	7,322	28.3	6.6	34.9	6.4	1.5	7.9	1.1	0.3	1.4
1961	6,922	1,864	8,786	32.5	8.8	41.2	7.1	1.9	9.0	1.3	0.4	1.7
1962	7,090	2,747	9,837	32.9	12.8	45.7	6.6	2.6	9.2	1.2	0.5	1.7
1963	7,144	4,221	11,365	32.8	19.4	52.1	6.4	3.8	10.2	1.2	0.7	1.9
1964	7,865	5,931	13,796	35.6	26.9	62.5	6.6	5.0	11.6	1.2	0.9	2.2
1965	7,077	6,763	13,840	31.5	30.1	61.6	6.0	5.7	11.7	1.0	1.0	2.0
1966	7,097	7,821	14,918	31.0	34.1	65.1	5.3	5.8	11.1	0.9	1.0	2.0
1967	8,068	7,894	15,962	34.1	33.4	67.4	5.1	5.0	10.1	1.0	1.0	2.0
1968	8,544	7,628	16,172	34.9	31.1	66.0	4.8	4.3	9.1	1.0	0.9	1.9
1969	8,314	7,346	15,660	32.4	28.7	61.1	4.5	4.0	8.5	0.9	0.8	1.7
1970	8,021	7,132	15,153	29.7	26.4	56.1	4.1	3.6	7.7	0.8	0.7	1.5
1971	8,108	7,301	15,409	28.6	25.7	54.3	3.9	3.5	7.3	0.8	0.7	1.4
1972	8,837	7,466	16,303	29.7	25.1	54.9	3.8	3.2	7.1	0.7	0.6	1.4
1973	9,139	7,896	17,035	29.5	25.4	54.9	3.7	3.2	6.9	0.7	0.6	1.3
1974	9,406	8,028	17,434	28.3	24.1	52.4	3.5	3.0	6.5	0.7	0.6	1.2
1975	9,715	8,821	18,536	26.4	24.0	50.5	2.9	2.7	5.6	0.6	0.6	1.2
1976	9,819	10,169	19,988	24.9	25.8	50.8	2.6	2.7	5.4	0.6	0.6	1.2
TQ	2,455	2,745	5,200	6.0	6.8	12.8	2.6	2.9	5.4	0.5	0.6	1.1
1977	10,874	10,569	21,443	25.7	25.0	50.7	2.7	2.6	5.2	0.6	0.5	1.1
1978	12,077	12,455	24,532	26.7	27.6	54.3	2.6	2.7	5.3	0.5	0.6	1.1
1979	12,129	14,196	26,325	24.8	29.1	53.9	2.4	2.8	5.2	0.5	0.6	1.1
1980	14,643	15,592	30,235	27.6	29.4	56.9	2.5	2.6	5.1	0.5	0.6	1.1
1981	16,937	17,231	34,168	29.1	29.6	58.6	2.5	2.5	5.0	0.6	0.6	1.1
1982	19,809	14,850	34,660	31.8	23.8	55.6	2.7	2.0	4.6	0.6	0.5	1.1
1983	22,298	13,602	35,900	34.3	20.9	55.2	2.8	1.7	4.4	0.6	0.4	1.0
1984	25,765	15,221	40,986	38.2	22.6	60.8	3.0	1.8	4.8	0.7	0.4	1.1
1985	30,360	16,856	47,216	43.6	24.2	67.8	3.2	1.8	5.0	0.7	0.4	1.1
1986	35,656	16,485	52,141	50.0	23.1	73.2	3.6	1.7	5.3	0.8	0.4	1.2
1987	37,097	16,159	53,256	50.7	22.1	72.8	3.7	1.6	5.3	0.8	0.3	1.1
1988	38,032	18,068	56,100	50.4	24.0	74.4	3.6	1.7	5.3	0.8	0.4	1.1
1989	40,366	20,394	60,760	51.5	26.0	77.6	3.5	1.8	5.3	0.7	0.4	1.1
1990	41,078	22,732	63,810	50.6	28.0	78.5	3.3	1.8	5.1	0.7	0.4	1.1
1991	37,887	24,296	62,183	44.9	28.8	73.8	2.9	1.8	4.7	0.6	0.4	1.0
1992	38,170	26,558	64,728	44.2	30.7	74.9	2.8	1.9	4.7	0.6	0.4	1.0
1993	40,396	27,982	68,378	45.7	31.7	77.4	2.9	2.0	4.9	0.6	0.4	1.0
1994	38,055	28,397	66,453	42.2	31.5	73.6	2.6	1.9	4.5	0.5	0.4	1.0
1995	37,699	30,733	68,432	40.9	33.3	74.2	2.5	2.0	4.5	0.5	0.4	0.9
1996	39,428	29,011	68,439	42.0	30.9	72.8	2.5	1.9	4.4	0.5	0.4	0.9
1997	40,177	30,896	71,073	42.0	32.3	74.4	2.5	1.9	4.4	0.5	0.4	0.9
1998	40,141	32,662	72,803	41.5	33.8	75.2	2.4	2.0	4.4	0.5	0.4	0.8
1999	40,276	33,860	74,136	41.1	34.5	75.6	2.4	2.0	4.4	0.4	0.4	0.8
2000	41,050	32,897	73,947	41.0	32.9	73.9	2.3	1.8	4.1	0.4	0.3	0.8
2001	44,147	35,942	80,089	43.1	35.1	78.2	2.4	1.9	4.3	0.4	0.4	0.8
2002	48,238	39,673	87,911	46.2	38.0	84.3	2.4	2.0	4.4	0.5	0.4	0.8
2003	57,328	44,112	101,440	53.9	41.4	95.3	2.7	2.0	4.7	0.5	0.4	0.9
2004	65,345	48,034	113,379	59.8	44.0	103.8	2.8	2.1	4.9	0.6	0.4	1.0
2005	70,646	49,200	119,846	62.7	43.7	106.3	2.9	2.0	4.8	0.6	0.4	1.0
2006	73,043	49,752	122,795	62.7	42.7	105.5	2.8	1.9	4.6	0.6	0.4	0.9
2007	77,078	52,611	129,689	64.5	44.0	108.5	2.8	1.9	4.8	0.6	0.4	0.9
2008 estimate	78,679	55,879	134,558	64.6	45.9	110.4	2.7	1.9	4.6	0.5	0.4	0.9

Table 9.7—SUMMARY OF OUTLAYS FOR THE CONDUCT OF RESEARCH AND DEVELOPMENT: 1949–2009—Continued

Fiscal Year	In Millions of Dollars			In Billions of Constant (FY 2000) Dollars			As Percentages of Total Outlays			As Percentages of GDP		
	National Defense	Non-defense	Total	National Defense	Non-defense	Total	National Defense	Non-defense	Total	National Defense	Non-defense	Total
2009 estimate	82,674	57,270	139,944	66.5	46.1	112.6	2.7	1.8	4.5	0.6	0.4	0.9