

Table I-3. Historical Trends in R&D and Federal Outlays

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(outlays in billions of dollars)

	FY 1970	FY 1980	FY 1990	FY 2000	FY 2004
	Actual	Actual	Actual	Actual	Budget
Composition of Federal Outlays					
(Current Dollars)					
Mandatory Programs *	61	262	568	951	1,243
Net Interest	14	53	184	223	166
Defense Discretionary	82	135	300	295	401
International Discretionary	4	13	19	21	28
Domestic Discretionary	34	129	181	299	407
TOTAL Federal Outlays	196	591	1,253	1,789	2,245
Federal R&D Outlays included:					
in Defense Discretionary	8	15	42	42	63
in International Discretionary	NA	0	0	0	0
in Domestic Discretionary	8	17	23	37	53
TOTAL R&D Outlays	16	32	65	79	117
Composition of Federal Outlays					
Mandatory Programs *	31.2%	44.4%	45.3%	53.2%	55.4%
Net Interest	7.4%	8.9%	14.7%	12.5%	7.4%
Defense Discretionary	41.8%	22.8%	23.9%	16.5%	17.9%
International Discretionary	2.0%	2.2%	1.5%	1.2%	1.3%
Domestic Discretionary	17.6%	21.8%	14.5%	16.7%	18.1%
TOTAL Federal Outlays	100.0%	100.0%	100.0%	100.0%	100.0%
Federal R&D Outlays as Percent of Discretionary Outlays ¹					
Defense	10.1%	11.1%	13.9%	14.1%	15.7%
International	NA	0.8%	2.1%	0.8%	1.2%
Domestic	21.8%	13.0%	12.8%	12.3%	13.1%
TOTAL R&D as % of total discr.	13.1%	11.5%	13.0%	12.8%	14.0%
Federal R&D Outlays as Percent of GDP					
Defense R&D	0.8%	0.5%	0.7%	0.4%	0.6%
Nondefense R&D ²	0.7%	0.6%	0.4%	0.4%	0.5%
TOTAL R&D	1.6%	1.2%	1.1%	0.8%	1.0%

Source: *Budget of the United States Government FY 2004, Historical Tables.*

NA = data not available. * - Net of offsetting receipts.

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

¹ R&D as a percent of its respective category (e.g., defense R&D as a percentage of defense discretionary).² Includes international and domestic R&D programs.