

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 2009
	Actual	Actual	Actual	Actual	Budget
Composition of Federal Outlays					
(Current Dollars)					
Mandatory Programs *	61	262	568	951	1,636
Net Interest	14	53	184	223	260
Defense Discretionary	82	135	300	295	671
Nondefense Discretionary	38	142	201	320	541
TOTAL Federal Outlays	196	591	1,253	1,789	3,107
Federal R&D Outlays included:					
in Defense Discretionary	8	15	42	42	79
in Nondefense Discretionary	8	17	24	37	66
TOTAL R&D Outlays	16	32	65	79	146
Composition of Federal Outlays					
Mandatory Programs *	31.2%	44.4%	45.3%	53.2%	52.6%
Net Interest	7.4%	8.9%	14.7%	12.5%	8.4%
Defense Discretionary	41.8%	22.8%	23.9%	16.5%	21.6%
Nondefense Discretionary	19.6%	24.0%	16.0%	17.9%	17.4%
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%	11.8%
Nondefense	19.5%	11.9%	11.8%	11.5%	12.3%
TOTAL R&D as % of total discr.	13.1%	11.5%	13.0%	12.8%	12.0%
Federal R&D Outlays as Percent of GDP					
Defense R&D	0.8%	0.6%	0.7%	0.4%	0.5%
Nondefense R&D ²	0.7%	0.6%	0.4%	0.4%	0.4%
TOTAL R&D	1.6%	1.2%	1.1%	0.8%	1.0%

Source: *Budget of the United States Government FY 2009, 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.

FY 2009 figures exclude most Iraq and Afghanistan military costs.