

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

**Table I-3.** Historical Trends in R&D and Federal Outlays  
(outlays in billions of dollars)

	FY 1970	FY 1980	FY 1990	FY 2000	FY 2003
	Actual	Actual	Actual	Actual	Budget
<b>Composition of Federal Outlays</b>					
<b>(Current Dollars)</b>					
Mandatory Programs *	61	262	568	951	<b>1,159</b>
Net Interest	14	53	184	223	<b>181</b>
Defense Discretionary	82	135	300	295	<b>379</b>
International Discretionary	4	13	19	21	<b>26</b>
Domestic Discretionary	34	129	181	299	<b>385</b>
TOTAL Federal Outlays	196	591	1,253	1,789	<b>2,128</b>
Federal R&D Outlays included:					
in Defense Discretionary	8	15	42	42	<b>57</b>
in International Discretionary	NA	0	0	0	<b>0</b>
in Domestic Discretionary	8	17	23	37	<b>55</b>
TOTAL R&D Outlays	16	32	65	79	<b>112</b>
<b>Composition of Federal Outlays</b>					
Mandatory Programs *	31.2%	44.4%	45.3%	53.2%	<b>54.4%</b>
Net Interest	7.4%	8.9%	14.7%	12.5%	<b>8.5%</b>
Defense Discretionary	41.8%	22.8%	23.9%	16.5%	<b>17.8%</b>
International Discretionary	2.0%	2.2%	1.5%	1.2%	<b>1.2%</b>
Domestic Discretionary	17.6%	21.8%	14.5%	16.7%	<b>18.1%</b>
TOTAL Federal Outlays	100.0%	100.0%	100.0%	100.0%	<b>100.0%</b>
<b>Federal R&amp;D Outlays as Percent of Discretionary Outlays <sup>1</sup></b>					
Defense	10.1%	11.1%	13.9%	14.1%	<b>15.0%</b>
International	NA	0.8%	2.1%	0.8%	<b>0.7%</b>
Domestic	21.8%	13.0%	12.8%	12.3%	<b>14.2%</b>
TOTAL R&D as % of total discr.	13.1%	11.5%	13.0%	12.8%	<b>14.2%</b>
<b>Federal R&amp;D Outlays as Percent of GDP</b>					
Defense R&D	0.8%	0.5%	0.7%	0.4%	<b>0.5%</b>
Nondefense R&D <sup>2</sup>	0.7%	0.6%	0.4%	0.4%	<b>0.5%</b>
TOTAL R&D	1.6%	1.2%	1.1%	0.8%	<b>1.0%</b>

Source: *Budget of the United States Government FY 2003, Historical Tables.*

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

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

<sup>1</sup> R&D as a percent of its respective category (e.g., defense R&D as a percentage of defense discretionary).

<sup>2</sup> Includes international and domestic R&D programs.