

Table I-11. Total U.S. R&D, 1997-1999

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(expenditures in millions of dollars)

(calendar years)	1997	1998	1999	% Change
	Actual	Preliminary	Preliminary	1998-99
U.S. R&D by funding source:				
Federal Government	65,016	64,853	65,853	1.5%
Industry	136,394	151,105	169,312	12.0%
Universities and Colleges	4,842	5,366	5,838	8.8%
Nonprofits	3,436	3,686	3,913	6.2%
Nonfederal Government	1,898	1,974	2,085	5.6%
Total U.S. R&D	211,586	226,984	247,000	8.8%
U.S. R&D by performer:				
Federal Government	16,814	17,189	17,362	1.0%
Industry	155,409	168,291	185,892	10.5%
Universities and Colleges	25,136	26,684	28,256	5.9%
FFRDCs *	8,562	8,715	9,171	5.2%
Nonprofits	5,665	6,105	6,319	3.5%
Total U.S. R&D	211,586	226,984	247,000	8.8%
U.S. R&D by character of work:				
Basic Research	35,495	37,695	40,224	6.7%
<i>(from federal sources)</i>	19,328	20,186	21,020	4.1%
<i>(from industry sources)</i>	10,315	11,373	12,689	11.6%
Applied Research	47,453	51,722	56,462	9.2%
Development	128,638	137,566	150,315	9.3%
Total U.S. R&D	211,586	226,984	247,000	8.8%
U.S. GDP** (billions of dollars)	8,111	8,509	8,849	4.0%
U.S. R&D / GDP	2.61%	2.67%	2.79%	

Source: National Science Foundation, *National Patterns of R&D Resources 1999 Data Update*. The complete data are available at <http://www.nsf.gov/sbe/srs/stats.htm>.

* Federally Funded Research and Development Centers.

** Gross Domestic Product.

These data are based on performer surveys of expenditures for calendar years, and thus differ from data presented elsewhere in this report (agency budget authority data by fiscal year). These data also exclude R&D facilities.

Please see Chapters 1 and 5 for a discussion of the data in this table.