

Table I-13. Total U.S. R&D, 2002-2004

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(expenditures in millions of dollars)

(calendar years)	2002	2003	2004	% Change	% Share of
	Actual	Actual	Preliminary	2003-2004	Total ('04)
U.S. R&D by funding source:					
Federal Government	77,685	86,742	93,384	7.7%	29.9%
Industry	180,709	186,568	199,025	6.7%	63.8%
Universities and Colleges	7,350	7,820	8,205	4.9%	2.6%
Nonprofits	7,493	8,017	8,565	6.8%	2.7%
Nonfederal Government	2,560	2,717	2,890	6.4%	0.9%
Total U.S. R&D	275,797	291,864	312,068	6.9%	100.0%
U.S. R&D by performer:					
Federal Government	21,499	23,326	24,742	6.1%	7.9%
Industry	193,868	204,004	219,226	7.5%	70.2%
Universities and Colleges	37,185	40,173	42,431	5.6%	13.6%
FFRDCs *	11,684	12,331	12,918	4.8%	4.1%
Nonprofits	11,561	12,031	12,750	6.0%	4.1%
Total U.S. R&D	275,797	291,864	312,068	6.9%	100.0%
U.S. R&D by character of work:					
Basic Research	51,033	55,104	58,356	5.9%	18.7%
<i>(from federal sources)</i>	30,900	34,022	36,075	6.0%	11.6%
<i>(from industry sources)</i>	8,753	9,045	9,551	5.6%	3.1%
Applied Research	50,787	62,084	66,364	6.9%	21.3%
Development	173,977	174,677	187,349	7.3%	60.0%
Total U.S. R&D	275,797	291,864	312,068	6.9%	100.0%
U.S. GDP** (billions)	10,487	11,004	11,731	6.6%	
U.S. R&D / GDP	2.63%	2.65%	2.66%		

Source: National Science Foundation, Division of Science Resources Statistics.

The complete data are available at <http://www.nsf.gov/statistics>.

* 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 from AAAS (agency budget authority data by fiscal year). These data also exclude R&D facilities.