

Appendix table 4-37

**International R&D expenditures for selected countries, by funding and performing sectors: Selected years, 2004–06**

Country/R&D performer	Source of R&D funds						Performers (% distribution)
	All sources	Industry	Government	Higher education	Private nonprofit	Abroad	
Japan (2004) (billions yen).....	15,782,743	11,807,293	2,852,667	962,235	109,716	50,833	100.0
Industry.....	11,867,276	11,658,708	148,798	1,249	9,667	48,854	75.2
Government.....	1,497,546	12,853	1,481,095	1,203	2,333	64	9.5
Higher education.....	2,119,125	58,639	1,081,542	959,343	19,128	473	13.4
Private nonprofit.....	298,796	77,093	141,232	440	78,588	1,442	1.9
Percent distribution, sources.....	100.0	74.8	18.1	6.1	0.7	0.3	na
Germany (2004) (millions euros).....	55,215	36,866	16,771	0	215	1,363	100.0
Industry.....	38,611	35,449	2,251	NA	23	888	69.9
Government.....	7,514	219	6,917	NA	192	186	13.6
Higher education.....	9,089	1,198	7,603	NA	NA	289	16.5
Private nonprofit.....	NA	NA	NA	NA	NA	NA	NA
Percent distribution, sources.....	100.0	66.8	30.4	0.0	0.4	2.5	na
France (2004) (millions euros).....	35,534	18,383	13,348	349	316	3,139	100.0
Industry.....	22,210	17,736	2,067	2	8	2,396	62.5
Government.....	6,059	388	5,111	21	18	521	17.1
Higher education.....	6,806	185	6,097	310	33	182	19.2
Private nonprofit.....	458	74	72	16	257	40	1.3
Percent distribution, sources.....	100.0	51.7	37.6	1.0	0.9	8.8	na
Italy (2004) (millions euros).....	15,253	NA	NA	NA	NA	NA	100.0
Industry.....	7,293	5,473	1,005	3	6	806	47.8
Government.....	2,722	78	2,402	4	81	157	17.8
Higher education.....	5,005	NA	NA	NA	NA	NA	32.8
Private nonprofit.....	233	23	80	1	113	16	1.5
Percent distribution, sources.....	NA	NA	NA	NA	NA	NA	na
United Kingdom (2004) (millions pounds).....	20,331	8,991	6,659	215	960	3,507	100.0
Industry.....	12,816	8,484	1,334	NA	5	2,993	63.0
Government.....	2,089	195	1,726	11	89	69	10.3
Higher education.....	4,759	243	3,169	198	761	388	23.4
Private nonprofit.....	667	69	430	6	105	57	3.3
Percent distribution, sources.....	100.0	44.2	32.8	1.1	4.7	17.2	na
Canada (2006) (millions Canadian dollars).....	28,357	13,245	9,568	2,251	877	2,416	100.0
Industry.....	14,850	12,239	325	NA	NA	2,286	52.4
Government.....	2,490	92	2,398	NA	NA	0	8.8
Higher education.....	10,890	899	6,780	2,253	842	116	38.4
Private nonprofit.....	127	15	63	0	35	14	0.4
Percent distribution, sources.....	100.0	46.7	33.7	7.9	3.1	8.5	na
Russian Federation (2005) (billions rubles).....	230,785	69,245	142,961	983	68	17,528	100.0
Industry.....	156,880	58,461	84,033	47	15	14,325	68.0
Government.....	60,158	6,846	50,590	47	22	2,654	26.1
Higher education.....	13,338	3,911	7,982	889	21	535	5.8
Private nonprofit.....	409	28	356	1	11	14	0.2
Percent distribution, sources.....	100.0	30.0	61.9	0.4	0.0	7.6	na
South Korea (2005) (billions won).....	24,155,414	18,106,814	5,561,734	218,794	96,638	171,433	100.0
Industry.....	18,564,243	17,532,346	861,770	3,559	6,766	159,802	76.9
Government.....	2,865,008	122,762	2,720,917	11,273	7,574	2,482	11.9
Higher education.....	2,398,284	364,406	1,787,765	198,947	41,991	5,175	9.9
Private nonprofit.....	327,879	87,300	191,282	5,015	40,307	3,974	1.4
Percent distribution, sources.....	100.0	75.0	23.0	0.9	0.4	0.7	na
United States (2006) (US\$millions).....	340,429	223,371	97,274	9,297	10,488	NA	100.0
Industry.....	242,129	219,569	22,560	NA	NA	NA	71.1
Government.....	37,388	0	37,388	NA	NA	NA	11.0
Higher education.....	46,642	2,452	31,605	9,297	3,288	NA	13.7
Private nonprofit.....	14,271	1,350	5,721	NA	7,200	NA	4.2
Percent distribution, sources.....	100.0	65.6	28.6	2.7	3.1	NA	na

na = not applicable; NA = not available

NOTE: Data for United States do not include capital expenditures for R&amp;D, business sector social sciences R&amp;D, or humanities R&amp;D.

SOURCES: National Science Foundation, Division of Science Resources Statistics, National Patterns of R&amp;D Resources (annual series); and Organisation for Economic Co-operation and Development, special tabulations (2007).