

R&amp;D 2008 Table for Pub

2007 Rank	2006 Rank	Company Name, Country	R&D Expenditures			Sales (\$ Millions)		R&D Intensity †		R&D Expenditure per Employee	
			(US \$ Millions, Less In-Process*)							(\$ Thousands)	
			2007	2006	R&D % Change	2007	2006	2007	2006	2007	2006
1	1	Toyota Motor Corp., Japan	8823	8196	7.6%	241 886	220 345	3.6%	3.7%	28	27
2	9	General Motors Corp., U.S.	8100	6600	22.7%	181 122	207 349	4.5%	3.2%	30	24
3	3	Pfizer Inc., U.S.	8089	7599	6.4%	48 209	48 201	16.8%	15.8%	93	78
4	8	Volkswagen AG, Germany	7919	6829	16.0%	162 099	156 112	4.9%	4.4%	24	21
5	14	Nokia Corp., Finland	7752	5801	33.6%	76 003	61 211	10.2%	9.5%	69	85
6	6	Johnson & Johnson, U.S.	7680	7125	7.8%	61 035	53 194	12.6%	13.4%	64	58
7	12	Roche Holding AG, Switzerland	7628	6036	26.4%	44 316	38 513	17.2%	15.7%	97	81
8	5	Ford Motor Co., U.S.	7500	7200	4.2%	172 455	160 123	4.3%	4.5%	30	25
9	11	Microsoft Corp., U.S.	7121	6584	8.2%	51 122	44 282	13.9%	14.9%	90	93
10	10	Sanofi-Aventis, France	6754	6594	2.4%	41 757	42 235	16.2%	15.6%	68	66
11	17	Novartis AG, Switzerland	6430	5349	20.2%	38 072	36 031	16.9%	14.8%	65	53
12	7	Glaxosmithkline PLC, United Kingdom	6338	6912	-8.3%	45 416	46 434	14.0%	14.9%	61	67
13	15	Samsung Electronics Co., South Korea	6162	5782	6.6%	102 139	88 574	6.0%	6.5%	72	67
14	13	Intel Corp., U.S.	5755	5873	-2.0%	38 334	35 382	15.0%	16.6%	67	62
15	16	International Business Machines Corp., U.S.	5754	5675	1.4%	98 786	91 424	5.8%	6.2%	15	16
16	19	Honda Motor Co., Japan	5410	5078	6.5%	110 437	102 012	4.9%	5.0%	30	30
17	21	Robert Bosch GmbH, Germany	5333	4984	7.0%	68 950	65 026	7.7%	7.7%	20	19
18	18	Matsushita Electric Industrial Co., Japan	5102	5319	-4.1%	83 443	83 804	6.1%	6.3%	17	16
19	4	Siemens AG, Germany	5060	7479	-32.3%	107 843	129 988	4.7%	5.8%	13	16
20	27	AstraZeneca PLC, United Kingdom	4969	3885	27.9%	29 559	26 475	16.8%	14.7%	74	59
21	20	Sony Corp., Japan	4790	5005	-4.3%	81 625	76 328	5.9%	6.6%	27	31
22	2	Daimler AG, Germany	4701	7935	-40.8%	147 961	225 649	3.2%	3.5%	17	22
23	22	Telefonaktiebolaget LM Ericsson, Sweden	4587	4443	3.2%	29 883	28 292	15.4%	15.7%	62	70
24	26	Merck & Co., U.S.	4558	4020	13.4%	24 198	22 636	18.8%	17.8%	76	67
25	25	Cisco Systems Inc., U.S.	4499	4067	10.6%	34 922	28 484	12.9%	14.3%	73	81
26	24	Motorola Inc., U.S.	4429	4106	7.9%	36 622	42 879	12.1%	9.6%	67	62
27	54	Alcatel-Lucent, France	4397	2182	101.5%	26 484	18 282	16.6%	11.9%	58	24
28	29	Bayerische Motoren Werke AG (BMW), Germany	4347	3787	14.8%	62 635	72 938	6.9%	5.2%	40	36
29	23	Nissan Motor Co., Japan	4209	4277	-1.6%	99 593	96 321	4.2%	4.4%	23	26
30	28	Hitachi Ltd., Japan	3940	3796	3.8%	103 297	94 290	3.8%	4.0%	11	11
31	30	EADS NV, Netherlands	3882	3659	6.1%	58 237	58 700	6.7%	6.2%	33	31
32	35	Boeing Co., U.S.	3850	3257	18.2%	66 387	61 530	5.8%	5.3%	24	21
33	33	Bayer AG, Germany	3837	3419	12.2%	48 207	43 103	8.0%	7.9%	36	32
34	31	Toshiba Corp., Japan	3619	3625	-0.2%	70 554	65 477	5.1%	5.5%	18	19
35	32	Hewlett-Packard Co., U.S.	3611	3591	0.6%	104 286	91 658	3.5%	3.9%	21	23
36	36	Eli Lilly & Co., U.S.	3487	3129	11.4%	18 634	15 691	18.7%	19.9%	86	75
37	43	Canon Inc., Japan	3388	2837	19.4%	41 233	38 246	8.2%	7.4%	26	24
38	39	Bristol-Myers Squibb Co., U.S.	3282	3067	7.0%	19 348	17 914	17.0%	17.1%	78	71
39	34	Amgen Inc., U.S.	3266	3366	-3.0%	14 771	14 268	22.1%	23.6%	187	167
40	37	Wyeth, U.S.	3257	3109	4.8%	22 400	20 351	14.5%	15.3%	64	62
41	38	NEC Corp., Japan	3241	3079	5.2%	42 482	42 809	7.6%	7.2%	21	20
42	40	Peugeot SA, France	3084	2973	3.8%	90 226	84 243	3.4%	3.5%	15	14
43	41	General Electric Co., U.S.	3009	2969	1.3%	169 719	160 854	1.8%	1.8%	9	9
44	55	Schering-Plough Corp., U.S.	2926	2173	34.7%	12 690	10 547	23.1%	20.6%	53	65
45	47	Bae Systems PLC, United Kingdom	2919	2495	17.0%	28 608	24 657	10.2%	10.1%	33	32
46	45	Denso Corp., Japan	2866	2575	11.3%	37 035	33 213	7.7%	7.8%	24	23
47	42	Renault SA, France	2754	2922	-5.8%	58 337	61 817	4.7%	4.7%	21	22
48	52	Oracle Corp., U.S.	2741	2195	24.9%	22 430	17 996	12.2%	12.2%	33	29
49	44	Finmeccanica SpA, Italy	2733	2654	3.0%	19 990	18 565	13.7%	14.3%	45	46
50	63	Takeda Pharmaceutical Co., Japan	2538	1779	42.7%	12 649	12 009	20.1%	14.8%	161	119
51	51	Abbott Laboratories, U.S.	2506	2255	11.1%	25 914	22 476	9.7%	10.0%	37	34
52	46	Nippon Telegraph & Telephone, Japan	2494	2503	-0.4%	98 274	99 007	2.5%	2.5%	13	13
53	48	Koninklijke Philips Electronics NV, Netherlands	2417	2483	-2.6%	39 883	40 155	6.1%	6.2%	20	20
54	49	Fujitsu Ltd., Japan	2380	2338	1.8%	49 049	46 926	4.9%	5.0%	14	15
55	90	Fiat SpA, Italy	2286	1169	95.7%	87 124	77 155	2.6%	1.5%	12	7

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56	68 Genentech Inc., U.S.	2173	1588	36.8%	11 724	9284	18.5%	17.1%	194	151
57	60 SAP AG, Germany	2172	1987	9.3%	15 140	13 885	14.3%	14.3%	50	50
58	53 Texas Instruments Inc., U.S.	2155	2190	-1.6%	13 835	14 195	15.6%	15.4%	71	71
59	86 Google Inc., U.S.	2115	1218	73.7%	16 594	10 605	12.7%	11.5%	126	114
60	57 Procter & Gamble Co., U.S.	2112	2075	1.8%	76 476	68 222	2.8%	3.0%	15	15
61	61 BASF SE, Germany	2054	1901	8.0%	86 264	78 312	2.4%	2.4%	22	20
62	58 Sun Microsystems Inc., U.S.	2008	2046	-1.9%	13 873	13 068	14.5%	15.7%	59	54
63	56 Delphi Corp., U.S.	2000	2100	-4.8%	22 283	26 392	9.0%	8.0%	12	12
64	59 LG Corp., South Korea	1873	1990	-5.9%	79 100	68 061	2.4%	2.9%	23	24
65	88 Advanced Micro Devices Inc., U.S.	1847	1205	53.3%	6013	5649	30.7%	21.3%	112	73
66	73 Qualcomm Inc., U.S.	1819	1516	20.0%	8871	7526	20.5%	20.1%	142	135
67	64 Sharp Corp., Japan	1805	1747	3.3%	31 446	28 778	5.7%	6.1%	30	36
68	65 STMicroelectronics NV, Netherlands	1802	1667	8.1%	9966	9838	18.1%	16.9%	35	32
69	79 Volvo AB, Sweden	1760	1329	32.4%	45 419	41 191	3.9%	3.2%	17	16
70	62 Infineon Technologies AG, Germany	1740	1859	-6.4%	11 435	11 803	15.2%	15.8%	40	45
71	66 Fujifilm Holdings Corp., Japan	1726	1629	6.0%	26 194	25 602	6.6%	6.4%	22	21
72	67 Nestlé SA, Switzerland	1718	1588	8.1%	98 526	90 195	1.7%	1.8%	6	6
73	76 BT Group PLC, United Kingdom	1713	1384	23.8%	41 394	40 432	4.1%	3.4%	15	13
74	50 Nortel Networks Corp., Canada	1691	2270	-25.5%	10 746	13 216	15.7%	17.2%	52	67
75	71 United Technologies Corp., U.S.	1678	1529	9.7%	54 375	47 715	3.1%	3.2%	7	7
76	82 Novo Nordisk A/S, Denmark	1531	1270	20.5%	8352	7736	18.3%	16.4%	60	55
77	94 Merck KGaA, Germany	1530	1119	36.7%	10 505	9316	14.6%	12.0%	49	37
78	83 EMC Corp., U.S.	1527	1254	21.7%	13 230	11 155	11.5%	11.2%	41	40
79	69 Daiichi Sankyo Co., Japan	1504	1570	-4.2%	8098	8552	18.6%	18.4%	98	102
80	75 Honeywell International Inc., U.S.	1459	1411	3.4%	34 589	31 367	4.2%	4.5%	12	12
81	78 Caterpillar Inc., U.S.	1404	1347	4.2%	44 958	41 517	3.1%	3.2%	14	14
82	85 Mitsubishi Electric Corp., Japan	1369	1221	12.1%	37 262	35 477	3.7%	3.4%	13	12
83	74 3M Co., U.S.	1368	1427	-4.1%	24 462	22 923	5.6%	6.2%	18	19
84	95 Broadcom Corp., U.S.	1349	1117	20.7%	3776	3668	35.7%	30.5%	212	213
85	80 E.I. du Pont de Nemours and Co., U.S.	1338	1302	2.8%	30 454	28 356	4.4%	4.6%	22	22
86	81 France Telecom, France	1331	1274	4.4%	78 832	76 961	1.7%	1.7%	7	7
87	91 Dow Chemical, U.S.	1305	1164	12.1%	53 513	49 124	2.4%	2.4%	28	27
88	77 Unilever NV, Netherlands	1292	1349	-4.2%	59 821	59 009	2.2%	2.3%	9	9
89	84 Medtronic Inc., U.S.	1275	1239	2.9%	13 515	12 299	9.4%	10.1%	32	33
90	101 Continental AG, Germany	1243	1008	23.3%	24 739	22 160	5.0%	4.5%	8	12
91	70 Astellas Pharma Inc., Japan	1237	1545	-19.9%	8949	8471	13.8%	18.2%	89	111
92	92 Lockheed Martin Corp., U.S.	1206	1139	5.9%	41 862	39 620	2.9%	2.9%	9	8
93	109 Royal Dutch Shell PLC, Netherlands	1201	885	35.7%	355 782	318 845	0.3%	0.3%	12	8
94	105 UCB SA/NV, Belgium	1173	915	28.1%	5183	3756	22.6%	24.4%	97	108
95	97 Ricoh Co., Japan	1160	1058	9.6%	20 426	19 036	5.7%	5.6%	14	13
96	98 Electronic Arts Inc., U.S.	1145	1041	10.0%	3 665	3 091	31.2%	33.7%	127	132
97	89 Freescale Semiconductor Inc., U.S.	1139	1204	-5.4%	5722	6359	19.9%	18.9%	49	50
98	93 Applied Materials Inc., U.S.	1137	1138	-0.1%	9735	9167	11.7%	12.4%	78	81
99	99 Qinetiq Group PLC, United Kingdom	1124	1031	9.0%	2731	2298	41.1%	44.9%	80	81
100	100 Boston Scientific Corp., U.S.	1091	1008	8.2%	8357	7821	13.1%	12.9%	40	35

\*Less In-Process—R&D expenditures less those accrued as a result of a merger or acquisition. †R&D as a percentage of total sales.

Because companies have restated figures for 2006, rankings may differ from those published last year.

Source: Standard & Poors