

Table 5-1
Total intramural research and development expenditures by industry

	2009 ^r	2010 ^r	2011 ^p	2012 ^p	2013 ^p
	millions of dollars				
Total all industries	16,038 A	15,467 A	15,960 A	16,063 A	15,621 A
Agriculture, forestry, fishing and hunting	127 A	126 A	112 A	110 B	109 C
Agriculture	108 A	105 A	90 A	90 B	87 C
Forestry, logging and support activities for forestry	7 A	10 D	15 A	12 B	F
Fishing, hunting, trapping and animal aquaculture	12 A	11 A	7 A	8 D	8 D
Mining and oil and gas extraction	929 B	959 D	966 A	885 A	757 B
Oil and gas extraction, contract drilling and related services	821 B	862 C	839 A	720 A	637 B
Mining and related support activities	108 A	F	126 A	165 B	120 D
Total utilities	187 A	187 A	191 B	201 B	225 A
Electric power generation, transmission and distribution	147 A	156 A	165 B	177 A	201 A
Other utilities	40 A	31 A	25 A	F	24 C
Construction	135 A	108 A	129 A	132 C	130 C
Manufacturing	7,764 A	7,222 A	7,368 A	7,560 A	7,349 A
Food manufacturing	182 A	170 A	145 A	143 B	144 B
Beverage and tobacco product manufacturing	19 A	15 A	x	x	x
Textiles	45 A	40 A	40 A	41 B	41 D
Wood product manufacturing	103 A	86 A	85 A	90 B	91 D
Paper manufacturing	79 A	145 A	117 A	103 D	90 E
Printing and related support activities	65 A	51 A	45 B	47 D	F
Petroleum and coal products manufacturing	299 A	333 A	x	x	x
Pharmaceutical and medicine manufacturing	671 A	669 A	517 B	545 A	508 A
Other chemicals	295 C	336 C	299 C	322 B	298 B
Plastic product manufacturing	146 A	127 A	126 A	124 B	125 C
Rubber product manufacturing	30 B	20 A	18 C	21 B	19 C
Non-metallic mineral product manufacturing	83 A	77 A	74 C	72 B	73 C
Primary metal (ferrous)	63 A	F	41 A	42 A	42 B
Primary metal (non-ferrous)	202 A	150 A	163 A	158 A	165 A
Fabricated metal product manufacturing	285 A	222 A	194 A	201 B	206 D
Machinery manufacturing	658 B	540 A	615 C	623 A	618 C
Computer and peripheral equipment manufacturing	63 A	52 A	49 A	53 A	57 B
Communications equipment manufacturing	1,526 A	1,078 A	1,462 A	1,541 A	1,399 A
Semiconductor and other electronic component manufacturing	511 A	523 A	505 A	497 A	512 A
Navigational, measuring, medical and control instrument manufacturing	427 A	436 C	354 A	347 A	334 B
Other computer and electronic products	21 A	26 A	24 A	27 C	25 C
Electrical equipment, appliance and component manufacturing	163 B	154 A	143 A	155 B	153 B
Motor vehicle and parts	310 A	312 A	259 A	266 B	267 C
Aerospace products and parts manufacturing	1,107 A	1,226 D	1,306 D	1,327 B	1,373 C
All other transportation equipment	155 D	145 A	123 A	143 A	143 C
Furniture and related product manufacturing	50 A	41 A	38 A	36 C	37 B
Other manufacturing industries	204 A	207 A	198 A	221 A	224 B
Services	6,896 A	6,864 A	7,194 A	7,174 A	7,051 A
Wholesale trade	1,279 B	1,270 A	1,350 A	1,367 A	1,252 A
Retail trade	63 A	58 A	64 A	F	73 C
Transportation and warehousing	168 A	58 A	52 A	54 D	55 B
Information and cultural industries	1,170 A	1,179 A	1,143 A	1,161 B	1,195 A
Finance, insurance and real estate	372 A	266 A	234 C	227 C	238 E
Architectural, engineering and related services	404 A	387 A	424 A	401 A	416 B
Computer systems design and related services	1,178 A	1,292 A	1,383 A	1,391 A	1,333 B
Management, scientific and technical consulting services	68 A	80 A	87 A	F	91 D
Scientific research and development services	1,677 A	1,811 A	1,980 A	1,933 A	1,925 A
Health care and social assistance	115 A	94 B	85 A	81 B	80 D
All other services	402 A	370 A	392 A	395 D	393 C

Note(s): Components may not add to totals due to rounding.