

Table 7
Business enterprise research and development capital intramural expenditures by industry

	2011 ^r	2012 ^r	2013 ^p	2014 ^p	2015 ^p
	millions of dollars				
Total all industries	1,092^A	1,475^A	1,249^A	1,369^A	1,277^B
Agriculture, forestry, fishing and hunting	36^A	7^A	2^A	3^E	F
Agriculture	35 ^A	7 ^A	2 ^B	F	F
Forestry, logging and support activities for forestry	x	0 ^A	x	F	x
Fishing, hunting, trapping and animal aquaculture	x	0 ^A	x	0 ^C	x
Mining, quarrying, and oil and gas extraction	212^A	596^A	502^A	490^B	446^D
Oil and gas extraction, contract drilling and related services	211 ^A	593 ^A	496 ^A	479 ^A	436 ^B
Mining and quarrying, contract drilling and related support activities	1 ^A	3 ^A	6 ^A	F	F
Utilities	x	14^A	26^A	22^A	x
Electric power generation, transmission and distribution	x	x	x	x	x
Other utilities	1 ^D	x	x	x	F
Construction	x	17^A	3^A	3^E	x
Manufacturing	406^B	462^A	347^A	532^A	464^A
Food manufacturing	3 ^A	7 ^A	5 ^A	6 ^C	5 ^D
Beverage and tobacco product manufacturing	0 ^A	1 ^A	F	F	0 ^E
Textile mills and textile product mills	x	1 ^A	1 ^A	F	F
Wood product manufacturing	1 ^A	x	x	x	x
Paper manufacturing	2 ^A	2 ^A	1 ^A	x	F
Printing and related support activities	1 ^A	1 ^A	1 ^A	F	F
Petroleum and coal products manufacturing	x	3 ^A	x	x	x
Pharmaceutical and medicine manufacturing	21 ^D	25 ^B	12 ^A	12 ^B	16 ^C
Other chemicals manufacturing	20 ^A	24 ^D	8 ^B	F	F
Plastic product manufacturing	F	20 ^A	7 ^A	10 ^D	9 ^D
Rubber product manufacturing	F	5 ^A	1 ^A	F	F
Non-metallic mineral product manufacturing	3 ^A	1 ^A	1 ^C	F	F
Primary metal (ferrous) manufacturing	1 ^A	1 ^A	x	0 ^B	1 ^D
Primary metal (non-ferrous) manufacturing	1 ^A	x	x	F	x
Fabricated metal product manufacturing	15 ^A	17 ^A	18 ^A	21 ^B	19 ^C
Machinery manufacturing	28 ^B	21 ^A	15 ^A	52 ^A	50 ^B
Computer and peripheral equipment manufacturing	4 ^A	3 ^A	2 ^B	2 ^C	2 ^C
Communications equipment manufacturing	148 ^A	88 ^A	57 ^A	x	154 ^A
Semiconductor and other electronic component manufacturing	19 ^A	16 ^B	19 ^A	17 ^C	F
Navigational, measuring, medical and control instrument manufacturing	16 ^A	47 ^A	15 ^A	18 ^B	16 ^B
Other computer and electronic products manufacturing	0 ^A	4 ^A	0 ^A	F	F
Electrical equipment, appliance and component manufacturing	9 ^A	9 ^A	19 ^A	6 ^B	6 ^B
Motor vehicle and parts manufacturing	7 ^A	29 ^A	12 ^A	10 ^D	15 ^C
Aerospace products and parts manufacturing	x	x	x	x	x
All other transportation equipment manufacturing	5 ^A	3 ^A	4 ^A	3 ^B	4 ^D
Furniture and related product manufacturing	2 ^A	1 ^A	1 ^A	0 ^C	0 ^E
Other manufacturing industries	17 ^B	11 ^D	7 ^A	10 ^C	10 ^D
Services	396^B	379^A	369^A	319^A	340^A
Wholesale trade	54 ^A	65 ^A	38 ^A	38 ^D	30 ^B
Retail trade	10 ^A	2 ^A	x	x	F
Transportation and warehousing	4 ^A	1 ^A	x	4 ^C	4 ^D
Information and cultural industries	70 ^A	65 ^A	126 ^A	108 ^B	110 ^A
Finance, insurance and real estate	17 ^A	22 ^A	21 ^A	x	20 ^E
Architectural, engineering and related services	16 ^A	26 ^B	28 ^A	F	14 ^D
Computer systems design and related services	80 ^E	45 ^B	32 ^A	33 ^B	34 ^C
Management, scientific and technical consulting services	6 ^B	3 ^A	3 ^A	4 ^D	4 ^C
Scientific research and development services	89 ^A	120 ^A	78 ^A	74 ^A	76 ^B
Health care and social assistance	9 ^A	6 ^A	2 ^B	1 ^C	5 ^B
All other services	41 ^C	24 ^A	26 ^A	26 ^C	43 ^D

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