

TABLE 59

Product or process innovation in companies, by innovation activity and company size: 2015–17

(Number and percent)

Innovation activity	All companies	Micro companies (1–9 employees)	Small companies (10–49 employees)	Medium companies (50–249 employees)	Large companies (250+ employees)
All companies with product or process innovation activities (number of companies)	1,218,460	880,153	272,650	53,939	11,718
Activities (number of companies)					
In-house R&D	331,093	217,531	83,912	23,462	6,189
Continuously (business had permanent R&D staff in-house)	106,132	62,362	29,034	10,720	4,016
Occasionally (as needed only)	224,961	155,169	54,878	12,742	2,173
External R&D	103,304	65,000	27,611	8,135	2,559
Acquisition of machinery, equipment, software, and buildings	521,662	338,492	142,516	32,708	7,946
Acquisition of existing knowledge from other companies or organizations	239,715	169,053	55,794	11,725	3,144
Training for innovative activities	507,713	331,495	137,543	31,020	7,655
Market introduction of innovations	369,694	245,661	96,082	22,258	5,694
Brand building	586,628	394,694	151,159	32,824	7,951
Design	361,390	246,294	88,604	21,039	5,453
Other	191,310	122,571	50,071	14,112	4,556
Activities (percent)					
In-house R&D	27.2	24.7	30.8	43.5	52.8
Continuously (business had permanent R&D staff in-house)	8.7	7.1	10.6	19.9	34.3
Occasionally (as needed only)	18.5	17.6	20.1	23.6	18.5
External R&D	8.5	7.4	10.1	15.1	21.8
Acquisition of machinery, equipment, software, and buildings	42.8	38.5	52.3	60.6	67.8
Acquisition of existing knowledge from other companies or organizations	19.7	19.2	20.5	21.7	26.8
Training for innovative activities	41.7	37.7	50.4	57.5	65.3
Market introduction of innovations	30.3	27.9	35.2	41.3	48.6
Brand building	48.1	44.8	55.4	60.9	67.9
Design	29.7	28.0	32.5	39.0	46.5
Other	15.7	13.9	18.4	26.2	38.9

Note(s):

Detail may not add to total because of rounding. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.