

TABLE 66

Companies with and without R&D activity that introduced new or significantly improved processes, by size of R&D program and the proportion of companies in each R&D program size classification: 2013–15

(Number and percent)

Company type	New or significantly improved products or processes			New or significantly improved processes									
	Companies (number) ^a	Yes	No	Companies (number) ^b	Any process		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
					Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
R&D programs (number)													
All companies	1,413,932	237,259	1,176,673	1,396,470	173,240	1,223,231	72,095	1,335,120	60,991	1,342,218	135,879	1,268,155	
R&D activity ^e	54,760	38,061	16,700	54,314	26,483	27,832	18,462	36,112	9,370	44,820	17,216	37,294	
< \$10 million	52,540	36,722	15,819	52,127	25,601	26,526	17,820	34,563	8,892	43,111	16,552	35,769	
≥ \$10 million but < \$50 million	1,511	849	662	1,493	558	935	384	1,115	270	1,224	406	1,092	
≥ \$50 million but < \$100 million	282	182	100	279	124	155	96	181	76	202	95	182	
≥ \$100 million	427	308	119	415	200	215	162	253	132	283	163	252	
No R&D activity	1,359,172	199,198	1,159,974	1,342,156	146,757	1,195,399	53,633	1,299,008	51,621	1,297,398	118,663	1,230,861	
R&D program size proportions (percent) ^f													
All companies	1,413,932	16.8	83.2	1,396,470	12.4	87.6	5.1	94.9	4.3	95.7	9.7	90.3	
R&D activity ^e	54,760	69.5	30.5	54,314	48.8	51.2	33.8	66.2	17.3	82.7	31.6	68.4	
< \$10 million	52,540	69.9	30.1	52,127	49.1	50.9	34.0	66.0	17.1	82.9	31.6	68.4	
≥ \$10 million but < \$50 million	1,511	56.2	43.8	1,493	37.4	62.6	25.6	74.4	18.1	81.9	27.1	72.9	
≥ \$50 million but < \$100 million	282	64.5	35.5	279	44.4	55.6	34.6	65.4	27.3	72.7	34.4	65.6	
≥ \$100 million	427	72.1	27.9	415	48.2	51.8	39.0	61.0	31.8	68.2	39.3	60.7	
No R&D activity	1,359,172	14.7	85.3	1,342,156	10.9	89.1	4.0	96.0	3.8	96.2	8.8	91.2	

^a Statistics for the number of companies are based on companies in the United States that reported data for at least one of the items on the survey relating to new or significantly improved products or processes, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

^b Statistics for the number of companies are based on companies in the United States responding either "Yes" to at least one of the items or "No" to all of the items on the survey relating to new or significantly improved processes, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

^c Includes companies responding "Yes" to at least one of the items on the survey relating to new or significantly improved processes.

^d Includes companies responding "No" to all of the items on the survey relating to new or significantly improved processes.

^e Statistics are representative of companies located in the United States that performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

^f Statistics used for the denominator in the calculation of the percentages for any process are the adjacent company count column; for the remaining proportions, the denominator is not displayed but is the sum of the corresponding "Yes" and "No" responses, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

Note(s)

Detail may not add to total because of rounding. Sum of "Yes" and "No" responses may not add to the total number of companies or, for the percentages, to 100% due to item nonresponse to some items relating to new or significantly improved products or processes.

Source(s)

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National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey.