

Table 66. Companies that collaborated with universities, by company size and type of collaboration: 2023

(Percent)

Company size (number of employees)	All companies (number)		All companies with any kind of collaborative research (number)		All companies with any kind of collaborative research		Performed collaborative research with university researchers		Funded university research		Funded PhD students and postdoctoral researchers at universities		Licensed or purchased IP from a university		Signed nondisclosure agreements, material transfer agreements, or other agreements with universities governing usage of IP		Hired science and engineering graduates		Engaged in formal or informal personnel exchanges with universities	
All companies	5,033,879		128,746		2.6		30.4		8.7		5.9		4.7		14.8		42.2		51.2	
Micro companies																				
1–4	2,859,754		50,637		1.8		38.1		10.0		7.8		5.0		17.6		22.5		61.4	
5–9	941,906		23,933		2.5		28.7		8.6		6.4		6.3		15.9		42.2		55.3	
Small companies																				
10–19	601,238		21,138		3.5		26.6		6.2		3.4		2.9		10.9		51.6		45.5	
20–49	409,021		15,960		3.9		25.2		6.6		4.3		3.6		12.5		57.3		39.7	
Medium companies																				
50–99	120,787		7,465		6.2		17.3		6.9		2.2		4.8		9.7		71.9		33.8	
100–249	67,846		5,340		7.9		16.9		7.9		1.8		2.7	r	7.5		74.6		30.9	
Large companies																				
250–499	18,154		1,639		9.0		19.3		8.5		2.9		2.8		12.8		80.2		32.0	
500–999	7,356		1,091		14.8		21.6		14.1	r	5.5		7.1	r	16.4	r	75.1		33.5	r
1,000–4,999	5,942		994		16.7		35.4		24.9		12.6		9.8		27.6		83.8		33.9	
5,000–9,999	922		228		24.7		50.0		38.6		21.5		19.3		37.7		89.0		38.6	
10,000–24,999	594		189		31.8		55.6		48.7		30.7		27.5		46.6		89.4		42.3	
25,000 or more	360		133		36.9		55.6		53.4		37.6		27.1		53.4		88.7		52.6	

r = relative standard error > 50%.

IP = intellectual property.

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 Census Bureau, 2024 Annual Business Survey: Data Year 2023.