Table KTI-1

U.S. KTI industries, by value added and share of GDP: 2019 and 2020

(Billions of dollars and percent)

Industry	ISIC, Rev.4, industry code	2019			2020		
		Value added ($billions)	Share of all KTI industries (%)	Share of GDP (%)	Value added ($billions)	Share of all KTI industries (%)	Share of GDP (%)
GDP		21,372.6		100.0	20,893.7		100.0
All KTI industries		2,336.2	100	10.9	2,387.0	100.0	11.4
Manufacturing		1,301.7	55.7	6.1	1,272.8	53.3	6.1
Chemicals and chemical products	20	208.6	8.9	1.0	199.5	8.4	1.0
Pharmaceuticals	21	182.4	7.8	0.9	195.1	8.2	0.9
Computer, electronic, and optical products	26	310.1	13.3	1.5	319.6	13.4	1.5
Electrical equipment	27	65.0	2.8	0.3	63.6	2.7	0.3
Machinery and equipment nec	28	167.0	7.1	0.8	156.9	6.6	0.8
Motor vehicles, trailers, and semi-trailers	29	149.4	6.4	0.7	145.9	6.1	0.7
Air and spacecraft and related machinery	303	142.3	6.1	0.7	108.1	4.5	0.5
Railroad, military vehicles, and transport nec	302, 304, and 309	11.3	0.5	0.1	11.6	0.5	0.1
Medical and dental instruments	325	65.7	2.8	0.3	72.4	3.0	0.3
Services		1,034.5	44.3	4.8	1,114.2	46.7	5.3
IT and other information services	62 - 63	655.8	28.1	3.1	684.9	28.7	3.3
Software publishing	582	239.3	10.2	1.1	273.0	11.4	1.3
Scientific research and development	72	139.3	6.0	0.7	156.3	6.5	0.7

GDP = gross domestic product; ISIC, Rev.4 = International Standard Industrial Classification, Revision 4; IT = information technology; KTI = knowledge and technology intensive; nec = not elsewhere classified.

Note(s):
Value added is a net measure of output; it is the difference between the value of goods and services produced by an industry (gross output) and the total cost of intermediate inputs that were used in production, including energy, materials, and services purchased from other businesses. *Industry value added* is a measure of an industry's contribution to overall GDP. KTI industries include high R&D intensive and medium-high R&D intensive industries based on a classification by the Organisation for Economic Co-operation and Development. The data have been crosswalked to the ISIC, Rev.4, classification. See the Technical Appendix for the crosswalking method and Table SKTI-1 for historical data on these industries.

Source(s):
U.S. Bureau of Economic Analysis, Value Added by Industry, accessed 5 October 2021.

Science and Engineering Indicators