

Table 2

Real gross output (billions of U.S. dollars)

Industry	2018 Output	Change 1997–2018	Percentage change 1997–2018	Change 2000–2018	Percentage change 2000–2018	Change 2009–2018	Percentage change 2009–2018
Pharmaceutical and medicine manufacturing (total)	\$242.8	\$58.7	31.9%	\$39.1	16.1%	\$12.6	5.5%
Medicinal and botanical manufacturing	\$16.5	\$(0.6)	-3.5%	\$(0.5)	-2.9%	\$2.8	20.4%
Pharmaceutical preparation manufacturing	\$178.5	\$34.2	23.7%	\$17.7	11.0%	\$2.7	1.5%
In-vitro diagnostic substance manufacturing	\$16.7	\$4.1	32.5%	\$2.1	14.4%	\$4.5	36.9%
Biological product (except diagnostic) manufacturing	\$32.0	\$22.1	223.2%	\$20.7	183.2%	\$3.2	11.1%

Source: Bureau of Economic Analysis.

Domestic research and development (millions of current U.S. dollars)

Industry	2001	2017	Percentage change
Pharmaceuticals and medicines	\$10,137	\$66,202	553.1%

Source: National Science Board.

Capital expenditures (millions of current U.S. dollars)

Year	Industry	Total expenditures	Total new expenditures	Expenditures for structures	Expenditures for equipment
2017	Pharmaceutical and medicine manufacturing	\$16,196	\$15,917	\$5,846	\$10,350
2018	Pharmaceutical and medicine manufacturing	\$15,096	\$14,450	\$6,099	\$8,998

Source: "Annual Capital Expenditures: 2018," U.S. Census Bureau, <https://www.census.gov/library/publications/2019/econ/2018-aces-summary.html>.