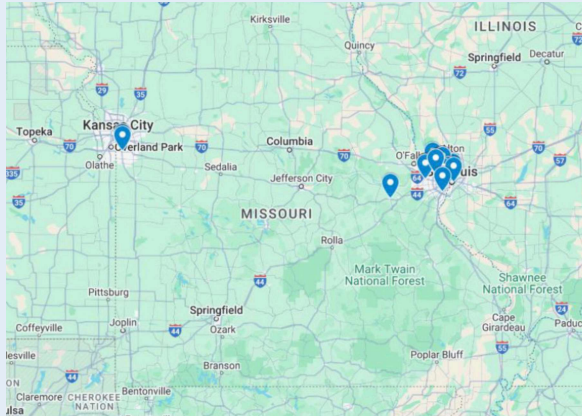


MISSOURI CONSTRUCTION PROJECTS

Major Projects (\$5M+) 2019-2024



Missouri Fact Sheet, 2019-2024

Pharmaceutical & Biotech Mfg and R&D

Number of Major Projects
(\$5+ million)

18

Major Project Valuation
(Any major project active between 2019 and 2024)

\$964 million

Total Construction Spending
(Capital and maintenance expenditure, 2019-2024)

\$991 million

Largest Construction Projects, Pharmaceutical and Biotech Manufacturing and R&D, 2019-2024

Project Owner	City	State	Years	Project Value
Pfizer Incorporated Chesterfield Grassroot Phase I/II Biologics Pilot Plant And R&D Bioplace Campus	Chesterfield	MO	2017-19	\$250 million
Mallinckrodt Pharmaceuticals Incorporated Saint Louis North River Site Controlled Substances Opiates Plant Expansion	St. Louis	MO	2016-21	\$200 million
Oxford Companies LLC Kansas City Grassroot "The Glade" Center of Excellence in Genomic Research Lab	Kansas City	MO	2022-24	\$100 million
Meridian Medical Technologies, a Kindeva Company Bridgeton Brownfield Cartridges, Vials, Syringes Fill Finish CDMO	Bridgeton	MO	2023-25	\$100 million
Patheon, by Thermo Fisher Scientific Saint Louis (Berkeley) Mammalian Cell Culture, Biologics CMO Plant Expansion	St. Louis	MO	2022-24	\$90 million
Patheon, by Thermo Fisher Scientific Saint Louis Biologics Manufacturing CMO Plant Expansion Phase I	St. Louis	MO	2018-19	\$50 million
Vir Biotechnology Incorporated Saint Louis Brownfield Infectious Disease Prevention R&D Laboratory	St. Louis	MO	2022	\$41 million
Pfizer Incorporated Chesterfield Biologics & Proteins Preclinical Pharmaceutical Renovation	Chesterfield	MO	2022-24	\$40 million
Pfizer Incorporated Chesterfield Biologics & Proteins Preclinical Pharmaceutical RNA Lab Bldg Add	Chesterfield	MO	2022-23	\$20 million
Meridian Medical Technologies, a Kindeva Company Saint Louis (Brentwood) Fill And Finish CMO Renovation, Equipment/Cleanroom Add	St. Louis	MO	2022-24	\$15 million

MISSOURI CONSTRUCTION EMPLOYMENT

Industry Analysis: MISSOURI

**Pharmaceutical
Manufacturing (2023)**
(NAICS = 325400)

Firms:
219

Employees:
7,179

Annual Wages:
\$678 million

Wages per Employee:
\$94,414

Data Sources

Pharmaceutical and biotech industry data (projects, spending, labor hours demanded) from Industrial Information Resources (IIR). State industry employment data from the Bureau of Labor Statistics (QCEW) using the North American Industry Classification System (NAICS). State union percent in non-residential construction calculated by dividing union members in construction (unionstats.com) by blue-collar QCEW employment in nonresidential construction firms in 2019 (assumes union density equals zero in residential construction; blue-collar percentage from NAICS=23 using the BLS Occupational Employment Statistics series). Note: Pharmaceutical manufacturing industry statistics (above) do not represent the entirety of the pharmaceutical and biotech industry featured in this study. Most significantly, in addition to NAICS 325400 ("Pharmaceutical Manufacturing"), other industry jobs comprise a subset of NAICS 541700 ("Scientific R&D Services").

Construction Labor Overview, 2019-2024

Pharmaceutical & Biotech Mfg and R&D

Total Labor Hours

(14 trades; installation and maintenance)

2,001,925

Union Labor Hours (est.)

(Estimated state union% in non-residential blue-collar construction trades = 50.7%)

1,176,875

Union Earnings (est.)

\$37,495,462

Missouri Construction Labor Hours by Trade,

Pharmaceutical & Biotech Mfg and R&D, 2019-2024

	Installation	Maintenance	Total
Boilermaker	17,927	6,726	24,652
Carpenter	76,314	54,781	131,095
Electrician	447,084	183,869	630,952
HVAC Installers	43,227	3,203	46,430
Instrumentation Tech	270,050	66,741	336,791
Insulator	39,813	16,136	55,949
Ironworker	38,877	52,883	91,759
Laborer	84,816	20,584	105,400
Millwright	61,915	60,747	122,662
Operator	97,696	15,485	113,181
Painting	14,111	15,268	29,379
Plumber + Pipefitter	186,465	19,526	205,991
Scaffolding	32,325	10,631	42,956
Welder	27,574	37,153	64,727
Total	1,438,193	563,731	2,001,925