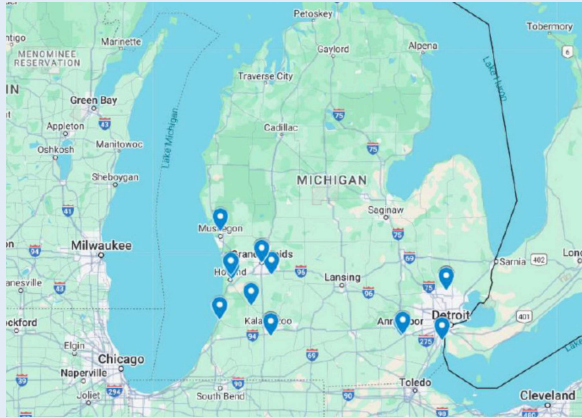


## MICHIGAN CONSTRUCTION PROJECTS

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



### Michigan Fact Sheet, 2019-2024

Pharmaceutical & Biotech Mfg and R&D

**Number of Major Projects**  
(\$5+ million)

**26**

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

**\$1.82 billion**

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

**\$1.83 billion**

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

Project Owner	City	State	Years	Project Value
<b>Pfizer Incorporated</b> Kalamazoo (Portage) Modular Aseptic Processing (Map) & Paxlovid Building Add	Kalamazoo	MI	2021-23	\$465 million
<b>Cytiva Sweden AB</b> Muskegon Brownfield Chromatography Resins Plant	Muskegon	MI	2023-25	\$430 million
<b>Grand River Aseptic Manufacturing Incorporated</b> Caledonia Aseptic Syringe and Cartridge Filling CdmO Center Addition	Caledonia	MI	2024-26	\$150 million
<b>Endo Pharmaceutical Company</b> Rochester B100 Fill/Finish Sterile Injectables Manufacturing Renovation	Rochester	MI	2022-24	\$120 million
<b>Pfizer Incorporated</b> Kalamazoo Aseptic Vial/Syringe Fill/Finish Act-O-Vialexpansion/Upfitt	Kalamazoo	MI	2016-19	\$106 million
<b>Grand River Aseptic Manufacturing Incorporated</b> Grand Rapids Aseptic Fill/Finish CDMO Building Addition	Grand Rapids	MI	2018-20	\$60 million
<b>Wacker Chemical Corporation</b> Ann Arbor Grassroot Research and Development Innovation Center	Ann Arbor	MI	2022-22	\$60 million
<b>Grand River Aseptic Manufacturing Incorporated</b> Grand Rapids Aseptic Fill/Finish CDMO Covid-19 Production Lines Addition (Ph II)	Grand Rapids	MI	2021-22	\$50 million
<b>Piramal Pharma Solutions Incorporated</b> Riverview Pharmaceutical Small Molecule HPAPIS CDMO Plant Campus Expan Phase II	Riverview	MI	2023-26	\$50 million
<b>Piramal Pharma Solutions Incorporated</b> Riverview Pharmaceutical Small Molecule HPAPIS CDMO Plant Campus Expan Phase I	Riverview	MI	2021-23	\$40 million

# MICHIGAN CONSTRUCTION EMPLOYMENT

## Industry Analysis: MICHIGAN

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

**Firms:**  
307

**Employees:**  
11,428

**Annual Wages:**  
\$1.15 billion

**Wages per Employee:**  
\$100,932

### 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)

**3,673,839**

**Union Labor Hours (est.)**  
(Estimated state union% in non-residential blue-collar construction trades = 50.7% )

**1,902,595**

**Union Earnings (est.)**

**\$64,872,582**

## Michigan Construction Labor Hours by Trade, Pharmaceutical & Biotech Mfg and R&D, 2019-2024

	Installation	Maintenance	Total
<b>Boilermaker</b>	<b>39,340</b>	<b>6,152</b>	<b>45,492</b>
<b>Carpenter</b>	<b>167,471</b>	<b>50,111</b>	<b>217,582</b>
<b>Electrician</b>	<b>981,126</b>	<b>2,890</b>	<b>1,149,321</b>
<b>HVAC Installers</b>	<b>96,949</b>	<b>2,890</b>	<b>99,839</b>
<b>Instrumentation Tech</b>	<b>592,626</b>	<b>61,051</b>	<b>653,677</b>
<b>Insulator</b>	<b>87,369</b>	<b>14,760</b>	<b>102,130</b>
<b>Ironworker</b>	<b>85,315</b>	<b>48,374</b>	<b>133,690</b>
<b>Laborer</b>	<b>186,130</b>	<b>18,829</b>	<b>204,958</b>
<b>Millwright</b>	<b>135,873</b>	<b>55,569</b>	<b>191,441</b>
<b>Operator</b>	<b>214,394</b>	<b>14,165</b>	<b>228,559</b>
<b>Painting</b>	<b>30,966</b>	<b>13,967</b>	<b>44,933</b>
<b>Plumber + Pipefitter</b>	<b>409,198</b>	<b>17,861</b>	<b>427,059</b>
<b>Scaffolding</b>	<b>70,938</b>	<b>9,725</b>	<b>80,663</b>
<b>Welder</b>	<b>60,511</b>	<b>33,986</b>	<b>94,497</b>
<b>Total</b>	<b>3,158,205</b>	<b>515,634</b>	<b>3,673,839</b>