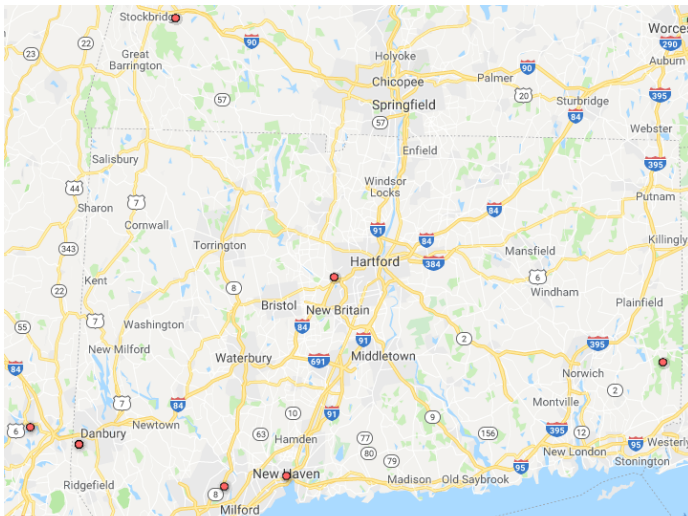


Connecticut

Construction Projects

Major Projects (\$5M+), 2012-17



Connecticut Fact Sheet, 2012-17

Pharmaceutical & Biotech Manufacturing

Number of Major Projects
(\$5+ million) **9**

Major Project Valuation
(Any major project active between 2012 and 2017) **\$631 million**

Total Construction Spending
(Capital and maintenance expenditure, 2012-17) **\$896 million**

Largest Construction Projects, Pharmaceutical and Biotech Manufacturing, 2012-2017

Project Owner	City	State	Years	Project Value (in \$ millions)
The Jackson Laboratory Farmington Grassroot JAX Genomic Medicine Laboratory	Farmington	CT	2013-2014	\$300.0
Winstanley Enterprises LLC New Haven Grassroot Downtown Crossing Biomedical Research Building	New Haven	CT	2013-2016	\$140.0
Boehringer Ingelheim Pharmaceuticals Inc. Ridgefield Rgd Pharmaceutical APIS Pilot Plant Replacement Facility	Ridgefield	CT	2011-2013	\$65.0
Boehringer Ingelheim Pharmaceuticals Inc. Ridgefield Pharma Research Safety Assess Support Building Addition	Ridgefield	CT	2011-2013	\$42.5
Alexion Pharmaceuticals Incorporated New Haven Biopharmaceutical R&D Laboratory Addition Build-Out	New Haven	CT	2013-2016	\$30.0
Boehringer Ingelheim Pharmaceuticals Inc. Ridgefield Pharmaceutical Research Vivarium Expansion	Ridgefield	CT	2011-2014	\$25.0
Charles River Laboratories International Inc. Voluntown Avian Vaccine Supply Building D Addition	Voluntown	CT	2011-2012	\$13.0
Nanoviricides Incorporated Shelton Clinical-Scale Antivirals Plant Addition	Shelton	CT	2013-2015	\$10.0
Boehringer Ingelheim Pharmaceuticals Inc. Ridgefield Pilot Scale Pharma Plant Rolling 3Q17 & 4Q17 Maintenance Program	Ridgefield	CT	2011-2014	\$5.0

Connecticut

Construction Employment



Union Labor & Earnings, 2012-17

Pharmaceutical & Biotech

Labor Hours Demanded
(14 trades, installation and maintenance) **1.8 million**

Union Labor Hours (est.)
(State union % in non-residential = 17.8%) **322,813**

Average Union Wage
(Union construction workers, 2017 dollars) **\$28.65**

Total Union Earnings (est.)
(Union hours times average wage) **\$9.2 million**



Farmington, CT – The Jackson Laboratory, Farmington Grassroot JAX Genomic Medicine Laboratory (\$300 million construction in 2013-14)

Connecticut Construction Labor Hours by Trade, Pharmaceutical & Biotech, 2012-17

	Installation	Maintenance	Total
Boilermaker	15,911	6,362	22,273
Carpenter	67,735	51,818	119,553
Electrician	396,823	173,924	570,747
HVAC Installers	38,202	2,966	41,169
Instrumentation Tech	239,691	63,131	302,822
Insulator	35,337	15,263	50,600
Ironworker	34,506	50,022	84,529
Laborer	75,281	19,470	94,752
Millwright	54,955	57,462	112,416
Operator	86,713	14,648	101,361
Painting	12,525	14,442	26,967
Plumber + Pipefitter	165,503	18,470	183,972
Scaffolding	28,691	10,056	38,747
Welder	24,474	35,144	59,618
	1,276,346	533,179	1,809,525

Industry Analysis: Connecticut

Pharmaceutical Manufacturing (2017) (NAICS = 325400)

Firms **29**
Employees **2,784**
Annual Wages **\$451 million**

Data Sources:

Pharmaceutical and biotech industry data (projects, spending, labor hours demanded) from Industrial Information Resources (IIR). Average hourly wage for union construction workers from the Current Population Survey. State industry employment data from the Bureau of Labor Statistics (QCEW) using the North American Industry Classification System (NAICS). 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").

Photo credit: US Geological Survey.