New Jersey’s
Life Sciences Industry Sector

Prepared by:
New Jersey Department of Labor & Workforce Development
Office of Research & Information
Bureau of Labor Market Information
Winter 2019-2020
NEW JERSEY LIFE SCIENCES INDUSTRY HIGHLIGHTS

• Three primary components include Pharmaceutical, biotechnology, and medical device manufacturing

• Total employment of 72,900 in New Jersey in 2018, mostly located in Middlesex, Union, Morris, Mercer, and Bergen Counties

• There are approximately 1,600 registered establishments throughout the State

• More than $11.4 billion in total wages paid, 5 percent of all statewide wages

• Very highly educated workforce

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2018 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
Some of New Jersey’s well-known employers in this sector include:

<table>
<thead>
<tr>
<th>Pharmaceuticals</th>
<th>Biotechnology (R&amp;D)</th>
<th>Medical Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Alberto-Culver Co.</td>
<td>• Bioclinica, Inc.</td>
<td>• Abbott Laboratories</td>
</tr>
<tr>
<td>• Bayer HealthCare</td>
<td>• Bioreference</td>
<td>• Bard International, Inc.</td>
</tr>
<tr>
<td>Pharmaceutical</td>
<td>• Community Medical Center</td>
<td>• Becton Dickinson &amp; Co.</td>
</tr>
<tr>
<td>• Bristol-Myers Squibb</td>
<td>• Collagen Matrix, Inc.</td>
<td>• Integra Life Sciences</td>
</tr>
<tr>
<td>• Ethicon USA</td>
<td>• Covance, Inc.</td>
<td>• Micro Corporation</td>
</tr>
<tr>
<td>• Glaxo Smith Kline</td>
<td>• Genesis Biotech</td>
<td>• Lohmann Therapy Systems Corporation</td>
</tr>
<tr>
<td>• Johnson &amp; Johnson</td>
<td>• Immunomedics, Inc.</td>
<td>• Ortho McNeil Pharmaceutical</td>
</tr>
<tr>
<td>• Merck &amp; Co. Inc.</td>
<td>• Medical Laboratory Diagnostics</td>
<td>• Roche Molecular Diagnostics</td>
</tr>
<tr>
<td>• Novartis Pharmaceuticals</td>
<td>• Lab Corp</td>
<td>• Safilo USA, Inc.</td>
</tr>
<tr>
<td>• Pfizer, Inc.</td>
<td>• Progenitor Cell Therapy</td>
<td>• Stryker Orthopedics</td>
</tr>
<tr>
<td>• Sanofi Genzyme</td>
<td>• Sandoz, Inc.</td>
<td>• Sony Electronics, Inc.</td>
</tr>
<tr>
<td>• Teva Pharmaceuticals USA</td>
<td>• SRI International</td>
<td></td>
</tr>
<tr>
<td>• West-Ward Pharmaceutical</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: 2019 InfoUSA
Prepared by: New Jersey Department of Labor and Workforce Development, September 2019
EMPLOYMENT LARGELY CONCENTRATED ALONG I-95

The life sciences sector has an enormous impact on providing high quality jobs and adding significant value to the State’s economic activities, especially in counties with major highways.

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2018 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
Employment has been relatively flat over the last 5 years.

**5-YEAR EMPLOYMENT TREND OF THE LIFE SCIENCES INDUSTRY**

Employment Trend
2013 - 2018

- **2013**: 74,820
- **2014**: 73,790
- **2015**: 73,650
- **2016**: 74,060
- **2017**: 71,490
- **2018**: 72,900

**Year** | Pharmaceuticals | Biotechnology | Medical Device | Industry Cluster
--- | --- | --- | --- | ---
2013 | 11,650 | 27,140 | 36,040 | 74,820
2014 | 11,480 | 25,800 | 36,510 | 73,790
2015 | 11,860 | 30,460 | 31,340 | 73,650
2016 | 11,850 | 30,440 | 31,770 | 74,060
2017 | 11,510 | 28,220 | 31,760 | 71,490
2018 | 12,180 | 29,650 | 31,070 | 72,900

**Source:** NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2018 Annual Averages

Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
Scientific Research & Development Services is the highest paying component of this sector.
Total wages in the life sciences sector have averaged 237% of the statewide annual average wage since 2008.

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2008 - 2018 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
# Top Occupational Groups in the Life Sciences Industry in 2018

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>2018 Employment</th>
<th>2018 Average Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Life Sciences Occupations</td>
<td>73,790</td>
<td>$92,310</td>
</tr>
<tr>
<td>Production</td>
<td>18,610</td>
<td>$42,040</td>
</tr>
<tr>
<td>Life, Physical, and Social Science</td>
<td>15,270</td>
<td>$115,100</td>
</tr>
<tr>
<td>Management</td>
<td>8,460</td>
<td>$190,420</td>
</tr>
<tr>
<td>Business and Financial Operations</td>
<td>7,000</td>
<td>$106,580</td>
</tr>
<tr>
<td>Office and Administrative Support</td>
<td>6,260</td>
<td>$50,860</td>
</tr>
<tr>
<td>Computer and Mathematical</td>
<td>4,110</td>
<td>$121,910</td>
</tr>
<tr>
<td>Architecture and Engineering</td>
<td>3,520</td>
<td>$110,820</td>
</tr>
<tr>
<td>Transportation and Material Moving</td>
<td>3,440</td>
<td>$35,100</td>
</tr>
<tr>
<td>Installation, Maintenance, and Repair</td>
<td>2,070</td>
<td>$63,050</td>
</tr>
<tr>
<td>Sales and Related</td>
<td>1,550</td>
<td>$106,150</td>
</tr>
<tr>
<td>Healthcare Practitioners and Technical</td>
<td>930</td>
<td>$79,400</td>
</tr>
<tr>
<td>Healthcare Support</td>
<td>580</td>
<td>$33,600</td>
</tr>
</tbody>
</table>

**Note:** Due to disclosure issues, of the total 73,790 jobs identified, only 99.6% could be used for this occupational analysis.

**Life Sciences Industry Sector**

- **Production** 25.3%
- **Life, Physical, and Social Science** 20.8%
- **Management** 11.5%
- **Business and Financial Operations** 9.5%
- **Office and Administrative Support** 8.5%
- **Computer and Mathematical** 5.6%
- **Architecture and Engineering** 4.8%
- **Transportation and Material Moving** 4.7%
- **Installation, Maintenance, and Repair** 2.8%
- **Other** 6.4%

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics, May 2018
Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
EDUCATIONAL BREAKDOWN OF EMPLOYEES IN THE LIFE SCIENCES INDUSTRY IN 2018

- Bachelor's degree: 35.7%
- Master's/Professional degree: 26.4%
- Some college/Associate degree: 13.4%
- Doctoral degree: 8.5%
- High School or less: 16.0%

Life sciences related employers tend to require a well-educated and highly skilled workforce to meet the high level and technical demands of many of the occupations they need to fill.

Source: U.S. Census Bureau, 2017 American Community Survey
Prepared by: New Jersey Department of Labor and Workforce Development, December 2019
NEW JERSEY LIFE SCIENCES INDUSTRY SECTOR
CONTACT INFORMATION

Click here for more detailed analysis of this industry

New Jersey Department of Labor & Workforce Development

http://lwd.dol.state.nj.us/

P.O. Box 057
Trenton, NJ 08625-0057

Office of Research and Information

http://lwd.dol.state.nj.us/labor/lpa/LMI_index.html

Alex Ancianis—Labor Market Analyst
Tel: (609)292-2742
Email: Alex.Ancianis@dol.nj.gov