



ADVANCING CHESTER COUNTY'S WORKFORCE

Chester County WIB Members:

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- Isidoro Gonzalez, Jr. – La Comunidad Hispana
- Jayne Ashenfelter - Health Consultant
- Patrick Bokovitz - Chester County Department of Community Development
- Patricia Burt - Chester County Hospital
- Timothy Brown – Siemens Medical Solutions
- Ethel Carter - Chester County Department of Aging
- Joyce Chester - Chester County OIC
- Dr. Hung M. Chu - West Chester University
- Doug Doerfler - State Farm Insurance
- Bruce Farina - Sartomer Company, Inc.
- Gregory Hee - BFI
- Bill Isakson - Boscov's Exton
- Susan Knoble - WHYY, Inc.
- J. Edward Lavin - Steamfitters Local 420
- Colin Maropis - First Financial Bank
- Scott McIntyre - L.F. Lambert Spawn Co.
- Tom Miller - DNB First
- Mike Nichols - Queen of Hearts Catering
- Dr. Jerome S. Parker - DCCC
- Robert Powelson - Chester County Chamber of Business & Industry
- Dot Rasiul - Pepperidge Farm, Inc.
- Thomas Rhodes - Centerline Design, Graphics and Marketing
- John Rothwell - Rothwell Document Solutions
- Al Santini - Steamfitters Local 420
- Doug Schmidt - PACareerlink of CC
- Alan Slobojan - Chester County Intermediate Unit
- Gary Smith - Chester County Economic Development Council
- Joyce Taylor - Chester County Assistance Office
- Laurie Todd - Wings for Success
- Michael Wakefield - PA Office of Vocational Rehabilitation
- Joan Walsh - FSMI
- Christine Warren - GSI Commerce, Inc

What is the Bio Medical Industry Cluster?

Bio Medical is a sub cluster of the Life Sciences cluster. Pennsylvania encompasses the entire continuum of the biosciences – basic research, emerging companies, mature industry and global pharmaceuticals. In that way, Pennsylvania fosters research and innovation necessary to make advances in biotechnology. With a focus on integrated bio-pharma manufacturing, biotech research, and medical equipment and devices, Pennsylvania is known for innovation.

The following are a few facts about the biosciences industry in Pennsylvania:

- Eight of the United States' largest pharmaceutical companies are located within a fifty-mile radius of Philadelphia, with some of them having either head offices or satellite offices located in Chester County.
- One hundred twenty five bio-pharma companies and more than 2,000 biosciences-related companies are located in Pennsylvania.
- Philadelphia has the third most vibrant biosciences cluster in the nation,

High Priority Occupations

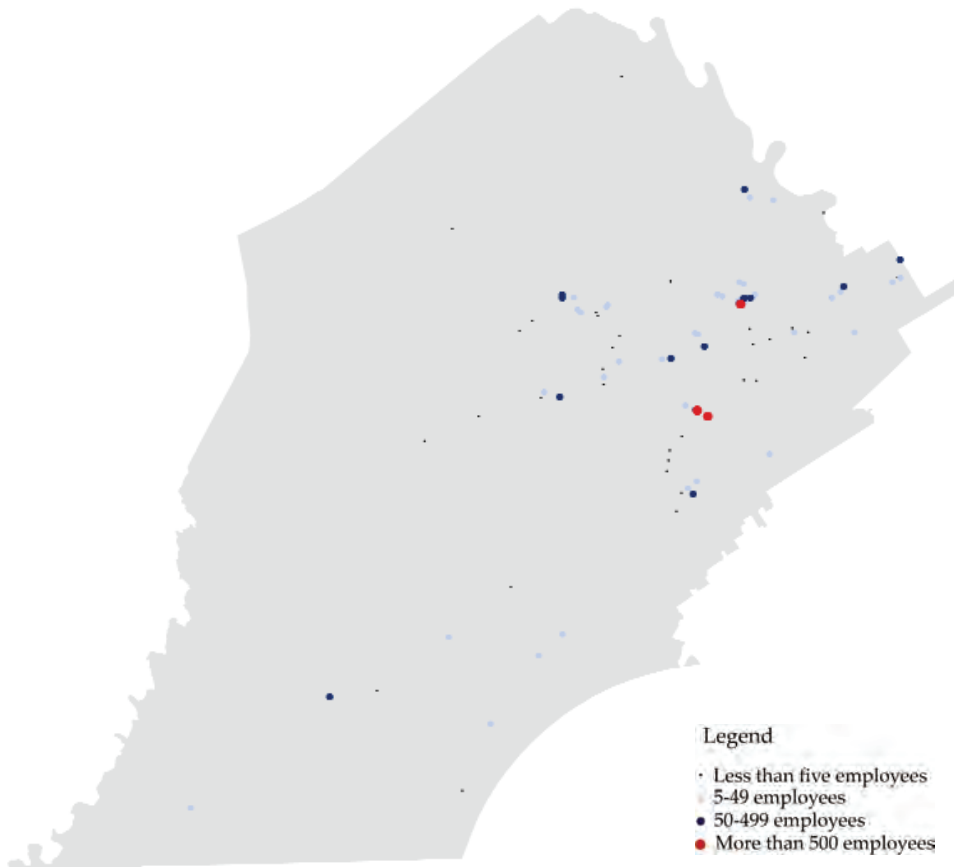
2008 High Priority Occupations in the Bio Medical Industry Cluster

	Wage 2006	2008 Job Openings in Pennsylvania
General and Operations Managers	\$132,013	41
Biological Technicians	\$38,051	76
Medical and Clinical Laboratory Technicians	\$32,555	47
Scientific and Technical Sales Representatives	\$76,779	61
Customer Service Representatives	\$32,856	29
Executive Secretaries and Administrative Assistants	\$43,982	51
Secretaries	\$32,734	44
Supervisors—Productions and Operating Workers	\$62,437	26

The Bio Medical Industry encompasses the following sub industries:

- NAICS 325412: Physical, engineering and biological research
- NAICS 325412: Pharmaceutical preparation manufacturing
- NAICS 325413: In-vitro diagnostic substance manufacturing
- NAICS 325414: Other biological product manufacturing
- NAICS 333314: Optical instrument and lens manufacturing
- NAICS 334510: Electro medical apparatus manufacturing
- NAICS 339111: Laboratory apparatus and furniture
- NAICS 339112: Surgical and medical instrument manufacturing
- NAICS 339113: Surgical appliance and supplies manufacturing
- NAICS 339115: Ophthalmic goods manufacturing
- NAICS 339116: Dental laboratories
- NAICS 54172: Social science and humanities research
- NAICS 621511: Medical laboratories
- NAICS 621512: Diagnostic imaging services

Location of Bio Medical Companies in Chester County



This map shows all of the Bio Medical companies in Chester County, as defined in the State Wide (STW) Cluster Bio Medical. The map shows the 111 businesses in Chester County. Of these businesses, four businesses have 500 employees or more. Sixteen businesses have 50-499 employees. Forty-seven businesses have 5-49 employees and forty-four businesses have less than 5 employees.

Statistical Data on the Bio Medical Industry

Industry Cluster Data of the Bio Medical Industry Cluster			
	2000	2006	Change
Local Units	75	72	-4.0%
Local Employment	9,407	6,917	-26.5%
Local Average Wage	\$93,995	\$119,880	27.5%
Location Quotient	2.99	2.19	-26.61%

A location quotient is an industry's share of local employment over the industry's share of state employment. A location quotient greater than 1 means the industry employs a greater share of local workforce than it does statewide.

Bio Medical Industry Cluster & Projected Employment Growth			
	2002	2012	Change
NAICS 325 Chemical Manufacturing	7,442	8,604	15.61%
NAICS 339 Miscellaneous Manufacturing	1,605	1,801	12.21%

Disclaimer:
Most of the data in this publication has been compiled by other organizations. Please note that the Chester County Department of Community Development does not control and cannot guarantee the accuracy of these materials. Due to the use of multiple sources, data may vary mutually.

Growth in Sub Industries

NAICS 325414: Other biological product manufacturing

Growth in employment between 2000 and 2006: 55.35%
2006 Location Quotient: 9.32

NAICS 339112: Surgical and medical instrument manufacturing

Growth in employment between 2000 and 2006: 102.22%
2006 Location Quotient: 2.98

NAICS 339113: Surgical appliance and supplies manufacturing

Growth in employment between 2000 and 2006: 61.44%
2006 Location Quotient: 3.96

NAICS 621511: Medical laboratories

Growth in employment between 2000 and 2006: 390.00%
2006 Location Quotient: 0.29



Chester County Workforce Investment Board

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