

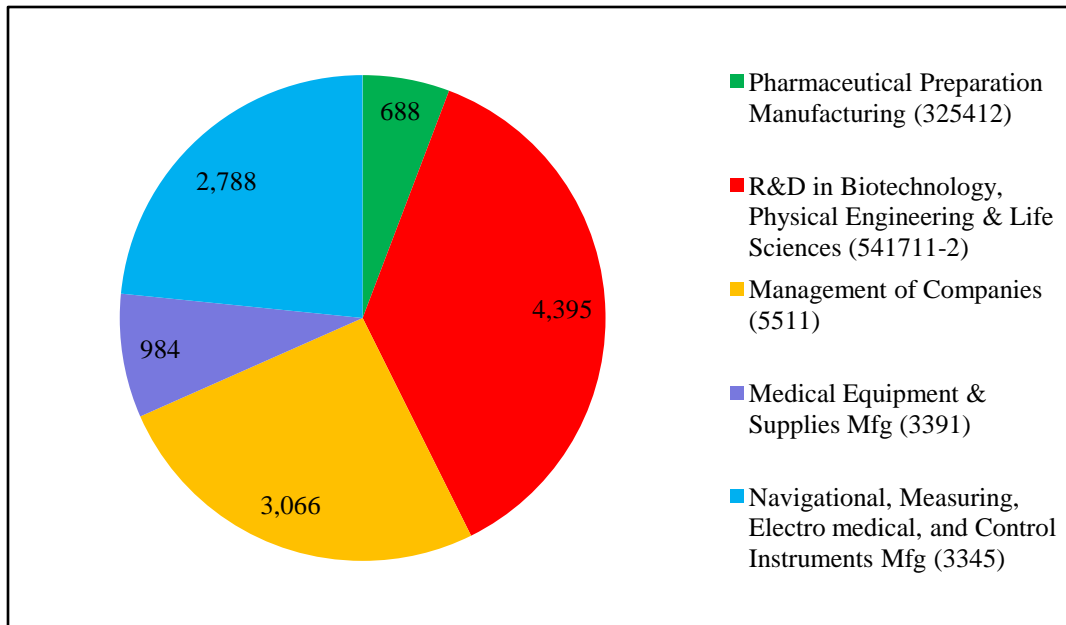
Economic Impact on Delaware's Economy: The Biopharmaceutical & Related Sectors

presented by

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Delaware Employment in Biopharmaceutical Firms



Included Sectors

NAICS Code	Class	Description
325412	1	Pharmaceutical Preparation Manufacturing
541711	1	Research and Development in Biotechnology
541712	1	R&D in the Physical, Engineering, and Life Sciences
551114	1	Corporate, Subsidiary, and Regional Managing Offices of Biopharmaceutical Companies
3391	2	Medical Equipment and Supplies Manufacturing
3345	3	Navigational, Measuring, Electro Medical, and Control Instruments Manufacturing

Trends

NAICS	Employment	Change 2003-2008	DE Trend	US Trend
Tier 1	8,149	(1,259)	DOWN	UP
Tier 2	9,133	(1,282)	DOWN	UP
Tier 3	11,921	(962)	DOWN	UP

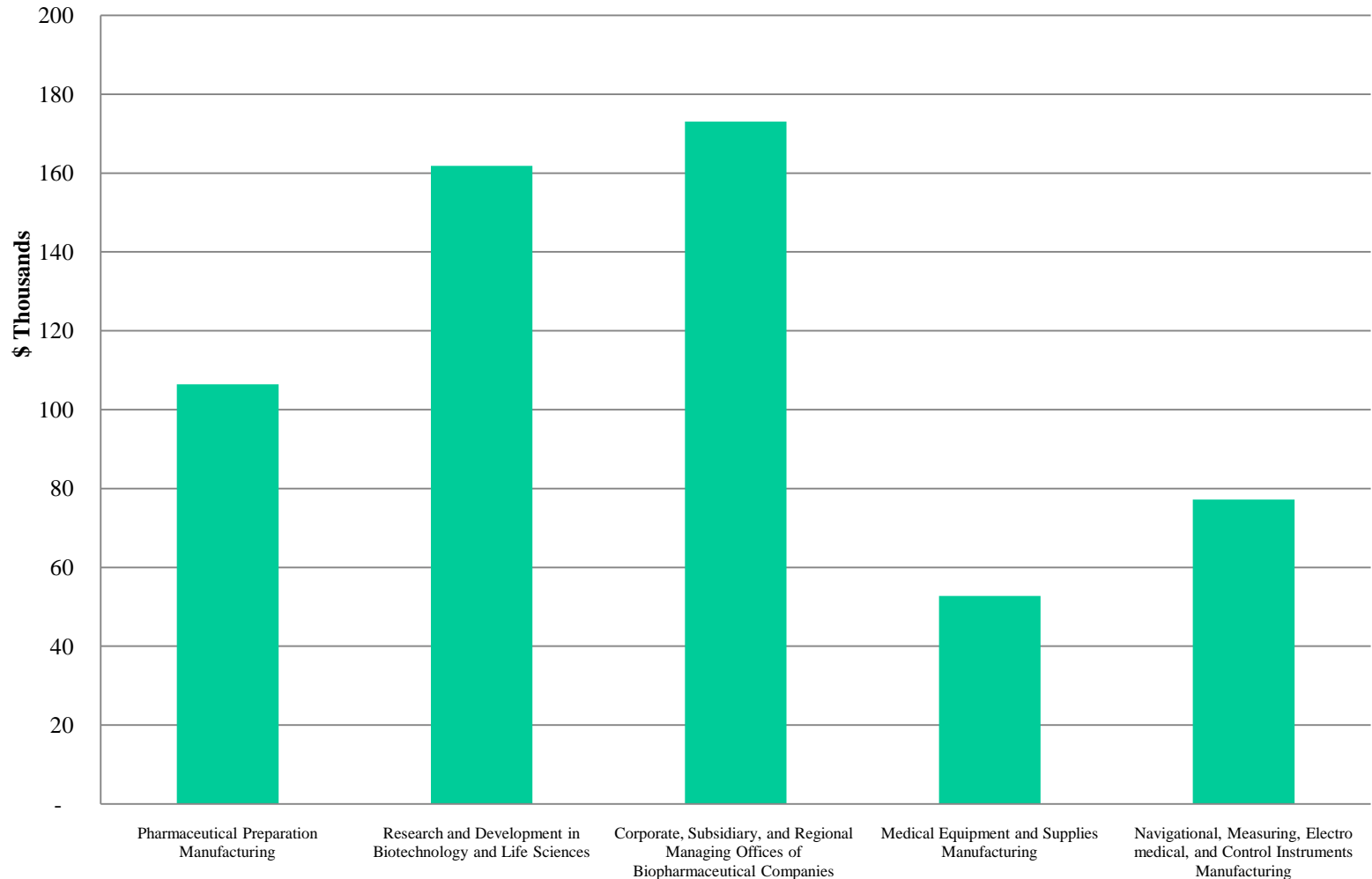
NAICS	Establishments	Change 2003-2008	DE Trend	US Trend
Tier 1	89	27	UP	UP
Tier 2	112	30	UP	UP
Tier 3	135	31	UP	UP

Wages and Taxes

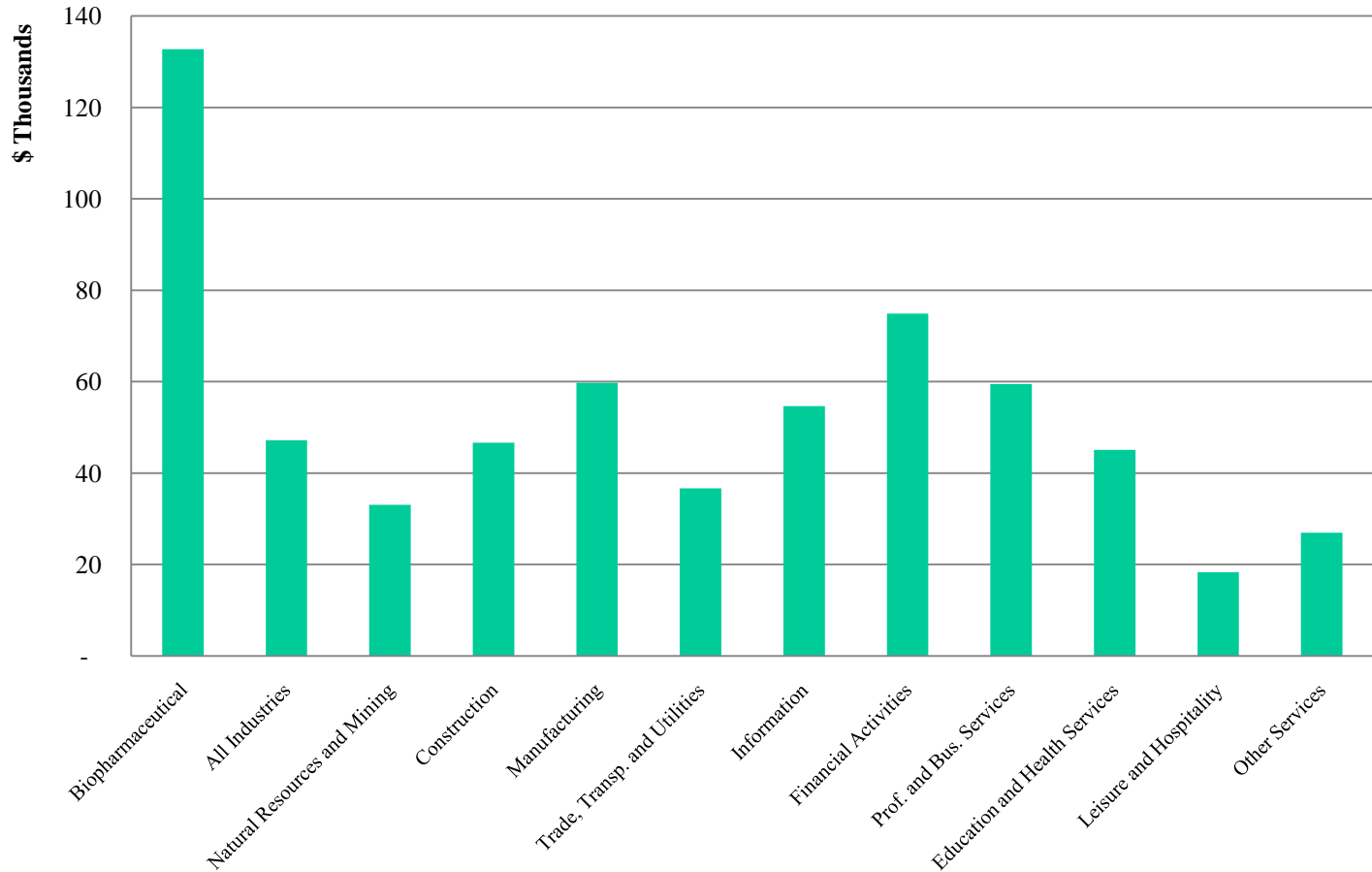
NAICS	Wages	Change 2003-2008	DE TREND	US TREND
Tier 1	\$1,314,880,560	\$155,623,324	UP	UP
Tier 2	\$1,366,776,576	\$164,900,648	UP	UP
Tier 3	\$1,582,077,200	\$189,470,996	UP	UP

NAICS	All Workers In-State	All Workers Out-of-State	Average
Tier 1	\$66,166,758	\$62,083,648	\$64,125,203
Tier 2	\$68,050,584	\$63,931,146	\$65,990,865
Tier 3	\$76,619,548	\$72,263,280	\$74,441,414

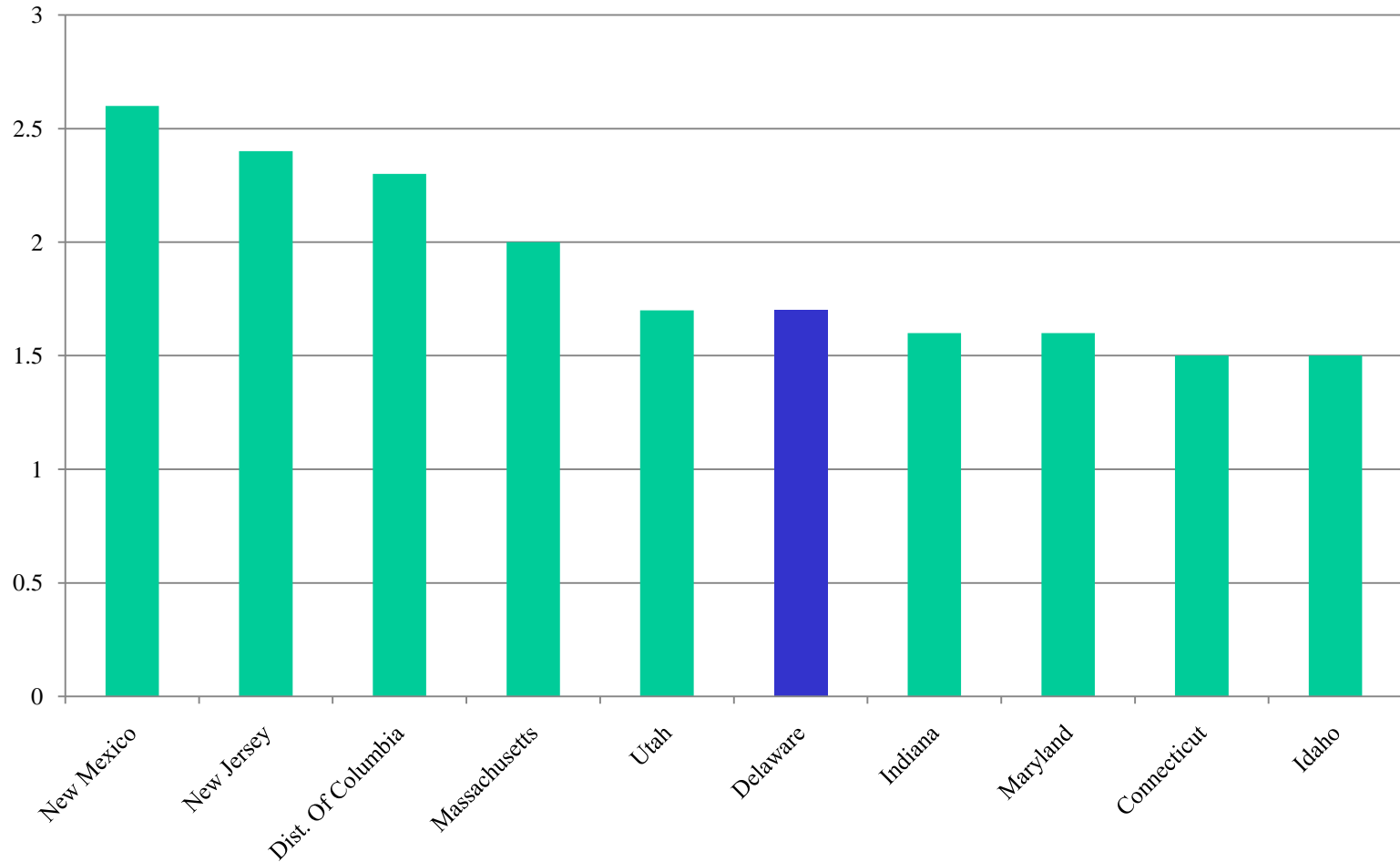
Average Annual Salaries within the Biopharmaceutical Sectors



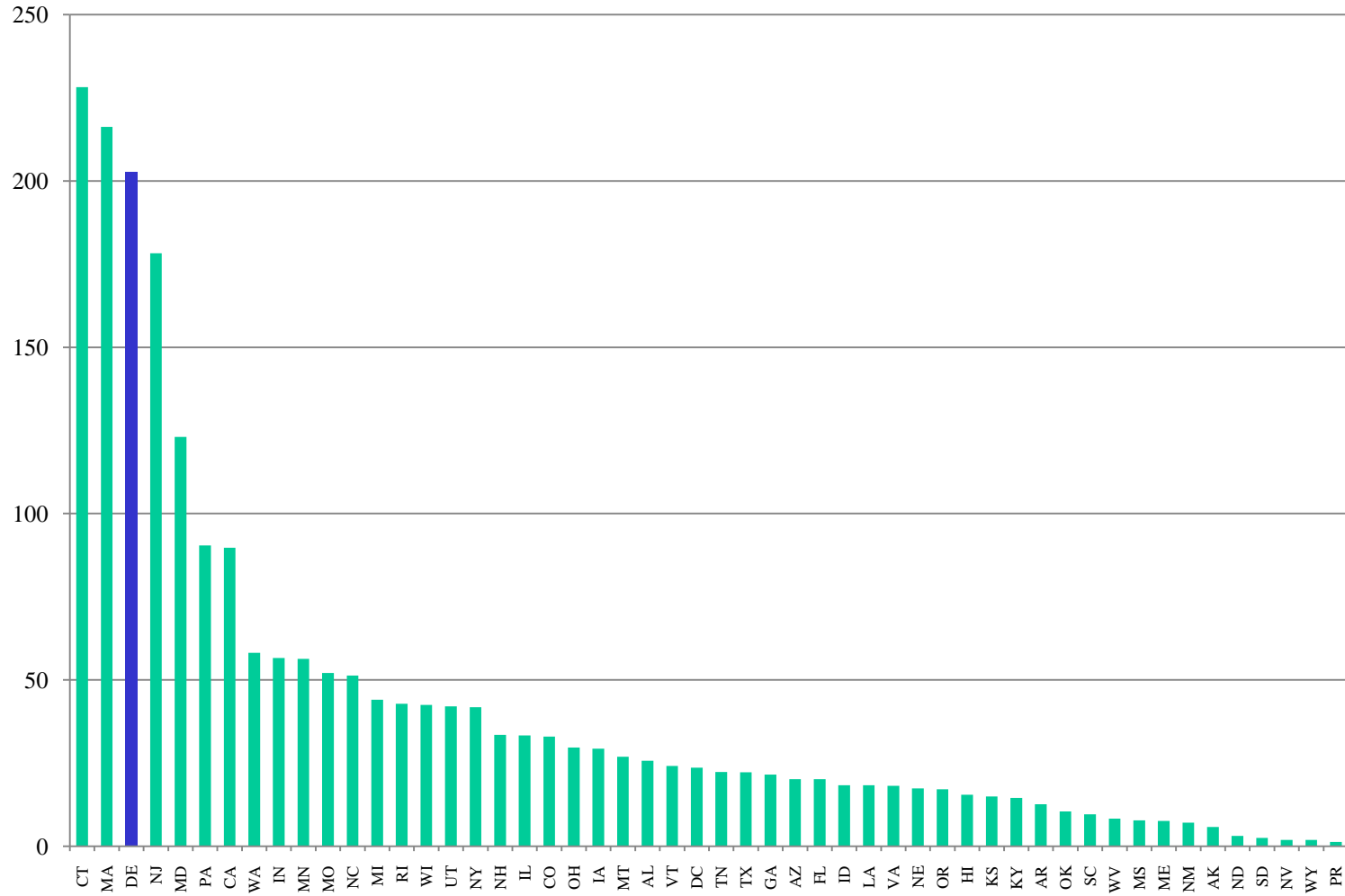
Average Annual Salaries by Sector



Top 10 Ranked States by Share of Biopharmaceutical-Related Jobs in 2005



Drug, Bio-Affecting, and Body Treating Composition Patents/100,000 population



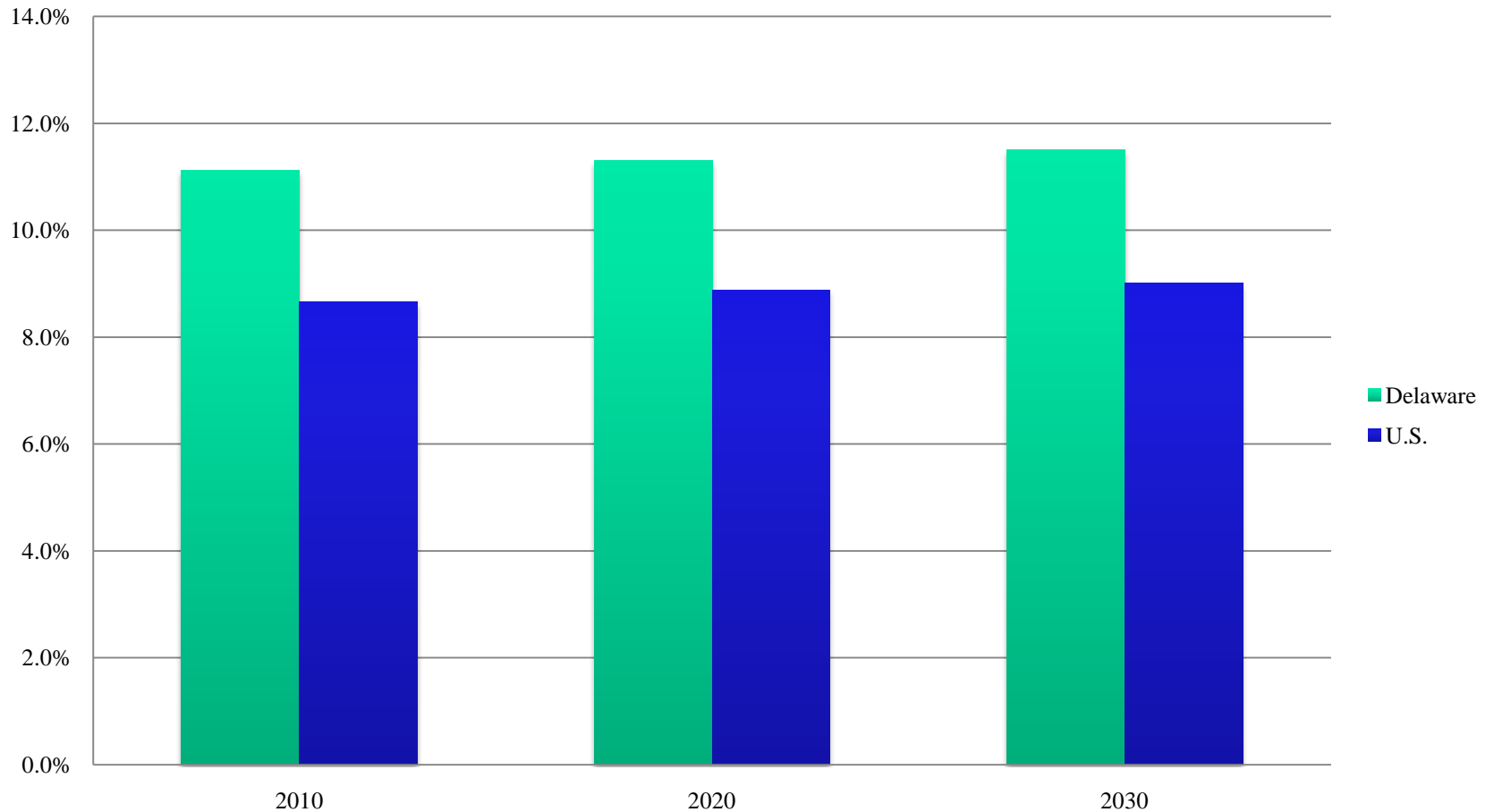
Economic Impacts

		Direct	Total Impact	Pct of State	Implied Multiplier
Tier1	Employment (# of jobs)	8,149	17,400	3.2%	2.1
	Gross Product (Current Dollars)		\$2,140,389,840	3.6%	
	Personal Income (Current Dollars)		\$1,339,000,000	3.8%	
Tier 2	Employment (# of jobs)	9,133	18,990	3.5%	2.1
	Gross Product (Current Dollars)		\$2,301,420,000	3.9%	
	Personal Income (Current Dollars)		\$1,419,000,000	4.0%	
Tier 3	Employment (# of jobs)	11,921	28,400	5.2%	2.4
	Gross Product (Current Dollars)		\$4,110,618,080	6.8%	
	Personal Income (Current Dollars)		\$1,976,000,000	5.6%	

Economic Impact (continued)

Category	Estimate
State Corporate Taxes	\$9,482,357
Property Taxes	\$7,542,166
Employee Benefits	\$435,071,230
Corporate Contributions	\$66,447,242
Employee Contributions	\$47,462,316

Biopharmaceutical Sector's Share of Gross State Product



In Summary

- In 2008, nearly 12,000 people were employed in the sector.
- Aggregate sector wages approach \$1.6bn and an estimated \$74m in state personal income taxes were paid.
- Annual wages in this sector (\$132,000) are significantly higher than in all other sectors in Delaware. Those wages have been rising more rapidly as well.
- While Delaware is small, the biopharmaceutical sector's share of Delaware's jobs and wages is 6th largest in the US.
- Collectively, Delaware's biopharmaceutical sector generates \$4.5bn in sales annually and that is growing.

- Activities of the sector generate an additional 16,000 jobs annually over and above the 12,000 employed directly by the sector.
- The direct and indirect impact of the sector generates \$4bn in gross state product (6.8% of total GSP) and \$2bn in personal income (5.6% of total PI).
- The sector pays an estimated \$9.5m in corporate income taxes, \$7.5m in property taxes, \$435m in employee benefits, \$66m in corporate charitable contributions, and their employees contribute another \$47m annually.
- The overall outlook for this sector both locally and nationally is positive, and employment is expected to grow steadily over the next twenty years.

THE END