



Delaware Department of Education
Appendix: Labor Market Information (LMI) Review
 Delaware CTE Program of Study Application

Table 1: LEA Information

(see instructions on page 2, LMI Instructions & Guidance Document)

Career Cluster:	Health Sciences
Career Pathway:	Health Informatics
CTE Program of Study:	Public & Community Health
High School and LEA Name:	
County:	

Table 2: Labor Market Information (LMI) Benchmarks by Geographic Region

(see instructions on page 2, LMI Instructions & Guidance Document)

Region	Employment 2015	Employment Change 2014-24	Employment Growth 2014-24	Avg. Wage 2015
United States	137,896,660	9,788,900	6.5.2%	\$48,320
Delaware	433,840	37,150	8.1%	\$63,477
District of Columbia	676,060	46,040	6.0%	\$80,150
Maryland	2,596,630	504,540	18.2%	\$54,630
New Jersey	3,906,800	275,310	6.5%	\$54,950

Pennsylvania	5,709,480	345,920	5.7%	\$46,550
Virginia	3,682,453	368,050	9.3%	\$51,670

Table 3: LMI by Career Cluster & Pathway
(see instructions on page 4, LMI Instructions & Guidance Document)

Cluster Code	Cluster/Pathway Title	Middle Skill	High Skill	High Wage	High Demand	2012-2022			
						Employment 2015	Employment Change 2014-2024	Employment Growth 2014-2024	Average Wage 2015
8	Health Sciences Career Cluster		•	•	•	42,580	6922	15.4%	\$63,477
	Rank Select Career Cluster by the Following Categories ->					(4 of 16)	(1 of 16)	(1 of 16)	(5 of 16)
8.01	Therapeutic Services Pathway		•	•	•	33,180	5619	16.0%	\$68,177
8.02	Diagnostic Services	•		•	•	2,550	425	15.2%	\$55,671
8.03	Health Informatics	•			•	4,760	621	12.5%	\$34,949
	Health Informatics Pathway - Mid-Atlantic States	•			•	84,920	14,841	16.1%	\$37,499
	Health Informatics Pathway - United States	•			•	778,120	135,000	17.2%	\$35,922
	Rank Select Career Pathway by the Following Categories ->					(3 of 5)	(3 of 5)	(4 of 5)	(5 of 5)
8.04	Support Services				•	2,070	251	13.4%	\$62,531
8.05	Biotechnology Research and Development		•			20			\$85,904

Table 3: LMI by Career Cluster & Pathway (Questions/Analysis)
(see instructions on page 5, LMI Instructions & Guidance Document)

1. How does the employment, the employment change, the employment growth rate, and the average wage for the identified career cluster compare to LMI for other clusters in the State of Delaware? Is the career cluster rated as high wage and high demand?

The Health Sciences Career Clusters ranks in the top five (5) for employment, employment change, employment growth rate and average wage when compared to other clusters and is ranked first for employment change and employment growth compared to all other clusters. The career cluster’s overall rating is high skill, high wage and high demand.

2. How does the employment, the employment change, the employment growth rate, and the average wage for the identified career pathway compare to LMI at the cluster level? How does the identified pathway level LMI in Delaware compare to the pathway level LMI in the Mid-Atlantic and/or the United States? How does the identified pathway level LMI in Delaware compare to the other pathway level LMI in Delaware?

The employment growth for the cluster and pathway are significantly higher than Delaware on average and this trend is even higher for the Mid-Atlantic region and nationally. The average wage for the pathway is lower than the Delaware average wage; however, the demand is high. There is potential for students who complete the Public & Community Health program of study to enroll in other SOC’s in the Therapeutics Services or Diagnostic Services Pathways and enter areas of interest such as Public Health or Psychiatric Nursing.

Table 4: LMI by Standard Occupation Code (SOC)
(see instructions on page 6, LMI Instructions & Guidance Document)

					2012-2022			
SOC Code	Occupation Title	High Skill	High Wage	High Demand	Employment 2015	Employment Change 2012-2022	Employment Growth 2012-2022	Average Wage 2014
21-1091	Health Educator	•	•		590	111	18.2%	\$38,688
21-1094	Community Health Worker			•	420	55	15.4%	\$51,917
29.1141	Public Health/Psychiatric Nursing	•	•	•	10,370	1744	16.7%	\$71,406
21-1022	Clinical Counselor	•		•	1980	379	15.3%	\$49,390

- Table 4: LMI by Standard Occupation Code (SOC) (Questions/Analysis)**
(see instructions on page 7, LMI Instructions & Guidance Document)
3. How closely related to the program of study are the identified occupations (SOCs)?

Health Educator, Community Health Worker, Public Health/Psychiatric Nursing, and Clinical Counselor occupations are all closely related to the Public & Community program of study and have strong connections to post-secondary programs in the state. This healthcare discipline continues to evolve and has a 17.2% employment growth nationally. Public & Community Health students will earn college credit through articulated credits to enter related degree programs in this career field.

- Are there adequate state-level projected job openings or employment growth projections at the occupation level to justify starting a new program of study? Do the occupations related to the program of study rank as high skill, high wage and/or high demand?

The number of job openings projected for the cluster and pathway as well as the related SOCs will support this broad Public & Community Health program of study. There are many options for occupations and post-secondary programs for the Public & Community Health program of study in the Health Sciences and Human Services sectors.

Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels
(see instructions on page 8, LMI Instructions & Guidance Document)

			Program Completion/Enrollment			
Program Code (CIP)	Program (CIP) Title	School	2012-13	2013-14	2014-15	2015-16
Total Secondary Programs of Study						
8.01607	Allied Health	Appoquinimink, Middletown, Milford, Smyrna				908
Total Post-Secondary Programs of Study						
44.000	Human Services	DTCC, UD	166	203	256	243
42.0101	Psychology	Wesley, WilmU, Goldey Beacom, DSU, UD	305	366	353	319
44.0701	Social Work	DSU	17	26	31	30
51.0000	Allied Health	WilmU, UD	28	37	27	58
51.1508	Nursing	DTCC, Beebe, DSU, UD, Wesley	796	774	805	

Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels (Questions/Analysis)
(see instructions on page 9, LMI Instructions & Guidance Document)

5. How is the secondary program of study articulated to or in any way related to the identified post-secondary program(s)?

The Public & Community Health Program of Study connects to several post-secondary degree programs at both two- and four- year institutions of higher education. Specifically, the Public & Community Health program of study will prepare students for careers in public health, public policy administration, nursing programs, and other healthcare and counseling careers.

6. How does the annual completion data at the secondary and post-secondary level compare to the projected career pathway-related projected job openings in Table 4?

As illustrated by the number of enrolled students, there is a growing interest in Health Science and Human Services programs at the post-secondary level. Public & Community Health program of study at the secondary level will better prepare students with skills and knowledge to enter nursing or behavioral health post-secondary programs. This work will lead to students achieving advanced standing while in high school and lessening the amount of time required to enter the workforce.

Table 6: Other LMI Data Including Real-Time LMI (Questions/Analysis)

(see instructions on page 10, LMI Instructions & Guidance Document)

7. Are there additional LMI data (demand & supply) at the local, county, state, or Mid-Atlantic region that support starting a new program of study in this pathway? This includes additional occupations for which there is not an SOC, any other analysis of LMI data, and any additional information on demand & supply factors that influence employment, which can include real-time labor market information.

Real-Time LMI Report will be published in the summer of 2018, prior to program start-up.