Extension Area 15: Economic Overview
Greene, Montgomery, and Warren Counties

Report prepared September 2021 by Nancy Bowen-Ellzey, Associate Professor and Field Specialist, OSU Extension Community Development

Regional Industry Sector Overview

Table 1 below ranks the top 10 industries in Area 15 by total output. Total output represents the total production value of an industry including intermediate inputs, employee compensation, proprietor income, taxes on production and imports, and other property income. The insurance carriers, except life sector had the greatest total output in the region at $4.18 billion. This sector had a total employment of 7,019, ranking it fourth among the 10 sectors. The sector had an average employee compensation of $99,050.

Owner-occupied dwellings had the second highest total output at $4.18 billion. The owner-occupied dwellings sector represents the wealth generated from home ownership. Owning and maintaining a home is also a major area of spending and the owner-occupied dwellings sector captures that economic effect. However, there is no employment or labor income generated in the owner-occupied dwellings sector, as the employment positions such as property managers and real estate agents is captured in the other real estate sector.

Key Stats

Population 935,226

Total of 410 Industries

Total Employment 564,230

Gross Domestic Product $56.2B

Data retrieved from IMPLAN (2018 & 2019 data)

Table 1: Top 10 Industry Sectors by Total Output

Industry Description	Output	Total Employment	Average Employee Compensation
Insurance carriers, except direct life	$4,182,307,438	7,019	$99,050
Owner-occupied dwellings	$4,177,994,241	N/A	N/A
* Employment and payroll of federal govt, military	$3,467,335,802	8,246	$106,848
Hospitals	$3,399,068,076	19,662	$69,814
* Employment and payroll of federal govt, non-military	$3,325,388,318	17,510	$133,794
Management of companies and enterprises	$3,120,102,334	11,934	$153,492
Other real estate	$2,592,530,728	14,537	$56,738
Offices of physicians	$2,277,330,593	13,143	$129,030
Scientific research and development services	$2,246,972,998	10,074	$97,708
Internet publishing and broadcasting and web search portals	$2,077,024,861	2,058	$121,826

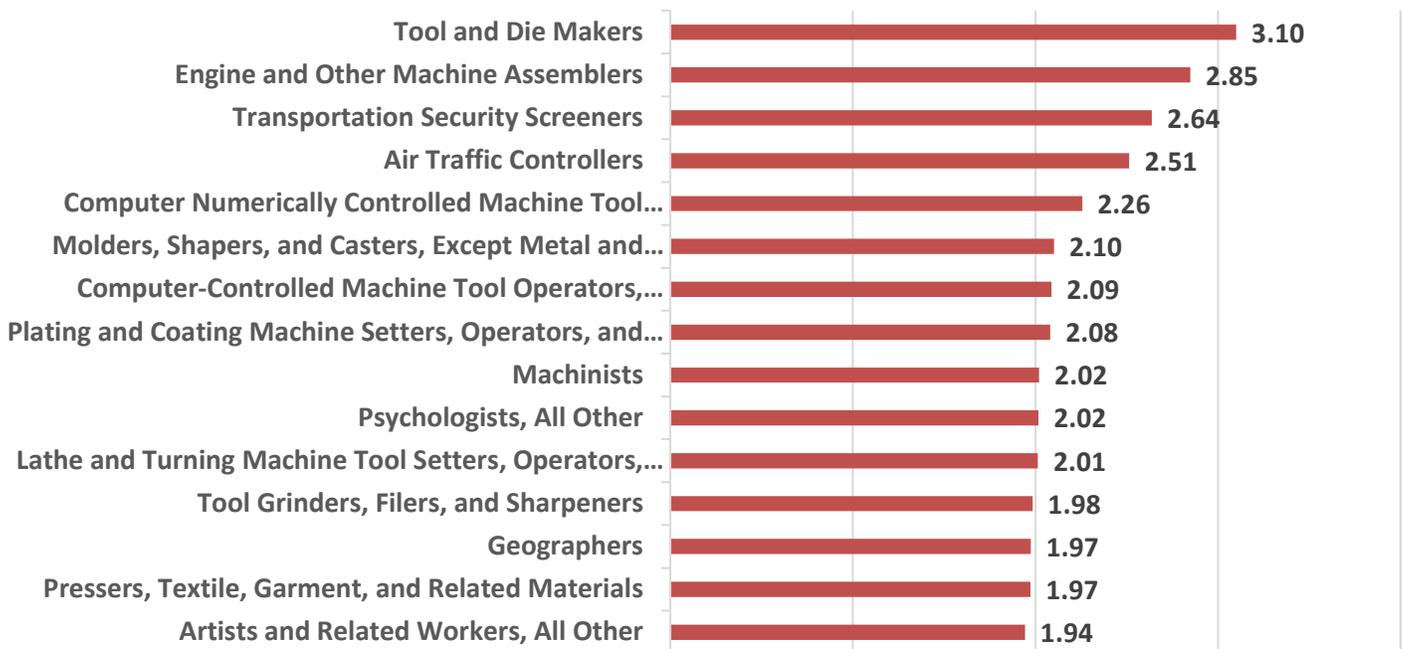**THE OHIO STATE UNIVERSITY**
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Top 15 Occupations by Location Quotient

The chart below ranks the top 15 occupations by location quotient (LQ) in Area 1. An LQ is a measure of the concentration of workers in an industry sector relative to workers nationally in the same sector. An LQ of 1 is equal to the national average, with an LQ of 2 being double the national average. For example, with an LQ of just over 3 for tool and die makers, this three-county area has three times the number of workers in that occupation than in the average geographical area. This also means that the region has over twelve times the number of cabinetmakers and bench carpenters and ten times the number for furniture finishers, the two highest ranking occupations for LQ in Area 1.

Where there is an occupational concentration, there also tends to be higher core competencies relative to other areas, creating a competitive advantage. In addition, training and education opportunities associated with the occupation are often readily available to meet hiring demands. Ten of the fifteen occupations are situated in machinery manufacturing sectors including tool and die makers, machinists, molders, shapers, and casters, plating and coating machine setters, etc. These occupations are typically highly skilled jobs requiring a minimum of an associate degree or equivalent.

Two other highly concentrated occupational sectors are air traffic controllers and transportation screeners. These two occupations can likely be explained because of the location of Dayton International Airport within area 15. This airport has an estimated $1 billion in economic impact on the area's economy (wikipedia).

Chart 1: Occupation Location Quotient

Occupation	LQ
Tool and Die Makers	3.10
Engine and Other Machine Assemblers	2.85
Transportation Security Screeners	2.64
Air Traffic Controllers	2.51
Computer Numerically Controlled Machine Tool…	2.26
Molders, Shapers, and Casters, Except Metal and…	2.10
Computer-Controlled Machine Tool Operators,…	2.09
Plating and Coating Machine Setters, Operators, and…	2.08
Machinists	2.02
Psychologists, All Other	2.02
Lathe and Turning Machine Tool Setters, Operators,…	2.01
Tool Grinders, Filers, and Sharpeners	1.98
Geographers	1.97
Pressers, Textile, Garment, and Related Materials	1.97
Artists and Related Workers, All Other	1.94

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