



# Occupation Report

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# Medical Equipment Preparers

Cincinnati, OH-KY-IN MSA

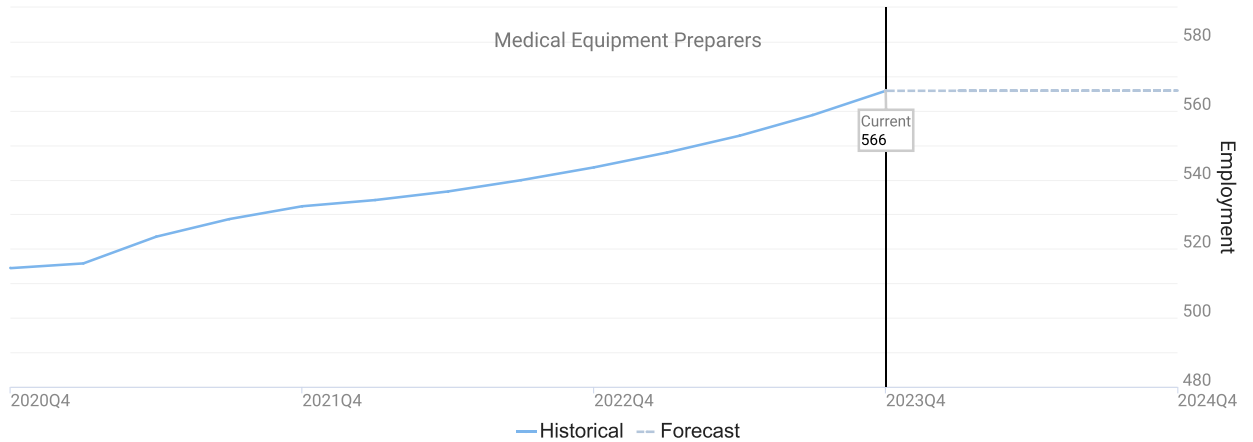
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A horizontal line with three circular markers: a blue circle on the left, a dark blue circle in the middle, and a grey circle on the right.

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# Occupation Snapshot

6-Digit Occupation	Empl	Avg Median Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Medical Equipment Preparers	566	\$43,200	1.18	51	76	0.1%



- 💡 “Annual Demand” is the projected need for new entrants into an occupation. New entrants are needed due to expected growth and to replace workers who left the occupation due to factors such as retirement or switching careers.
- 💡 “Forecast Ann Growth” is the expected change in jobs due to national, long-term trend projections (per the BLS) as well as local factors such as industry mix and population growth (as computed and modeled by Chmura).

# Employment by Industry

Industry Title	% of Occ Empl	Empl	10-Year Separations	10-Year Empl Growth	10-Year Total Demand
General Medical and Surgical Hospitals	78.0%	441	584	-2	583
Offices of Dentists	5.2%	29	40	2	42
Outpatient Care Centers	4.4%	25	35	4	39
Offices of Physicians	3.8%	21	29	0	29
Employment Services	2.3%	13	17	0	17
Medical and Diagnostic Laboratories	0.9%	5	7	0	8
Health and Personal Care Retailers	0.7%	4	6	0	6
Specialty (except Psychiatric and Substance Abuse) Hospitals	0.7%	4	5	0	6
Colleges, Universities, and Professional Schools	0.6%	4	5	0	5
Other Ambulatory Health Care Services	0.5%	3	4	0	5
All Others	2.9%	17	23	1	23



 The industry distribution indicates the industries in which workers in the occupation(s) are primarily found.

 “10-Year Empl Growth” may show industries with positive as well as negative growth; this would indicate that the occupation(s) being examined are expected to expand within some industries while contracting in others.

# Wages

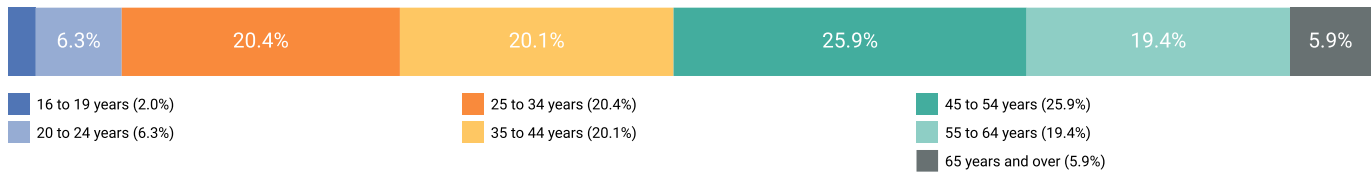


Occupation	Mean	Median	Entry Level	Experienced
Medical Equipment Preparers	\$44,600	\$43,200	\$38,300	\$47,800

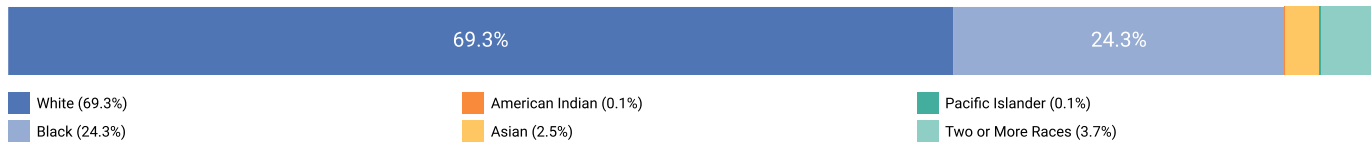
-  Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.
-  When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.

# Occupation Demographics

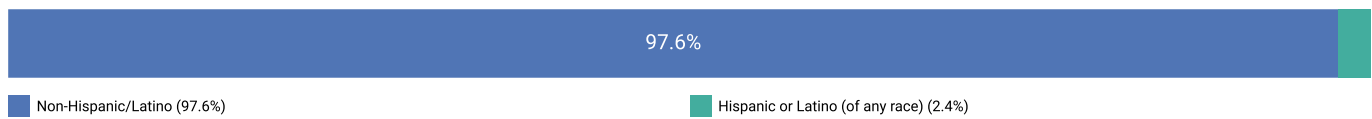
## Age



## Race



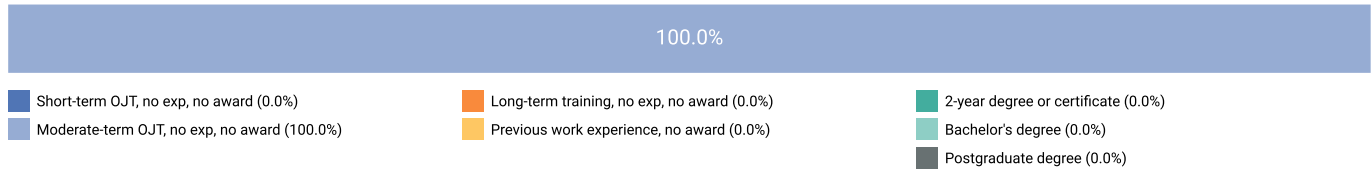
## Ethnicity



## Gender

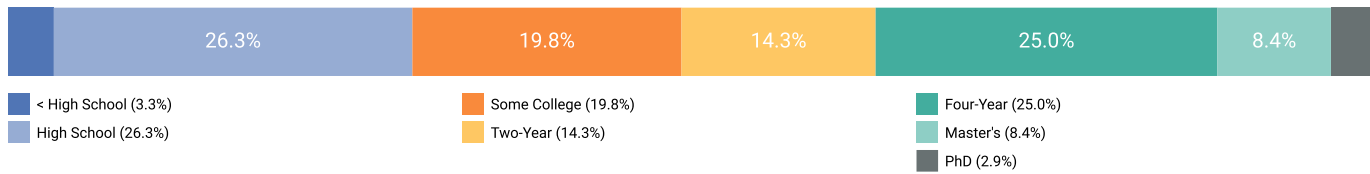


## Education and Training Requirements



# Education Profile

## Educational Attainment



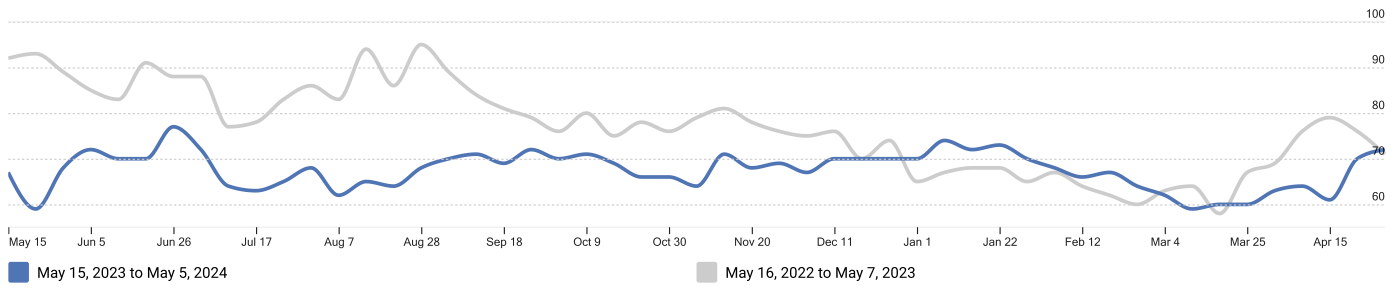
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Medical Equipment Preparers	High school diploma or equivalent	None	Moderate-term on-the-job training


 The stacked bar chart here illustrates the estimated mix of educational attainment of the workers in this occupation(s) in aggregate.

 The table indicates typical education and training requirements rather than the mix of attainment of workers in such positions.

# RTI (Job Postings)

Active Job Ads by Date



 Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

## Occupations

SOC	Occupation	Active Job Ads
31-9093.00	Medical Equipment Preparers	331



### Locations

Location	Active Job Ads
Cincinnati, Ohio	149
United States-Ohio-Cincinnati-Burnet Building Location G	41
Edgewood, Kentucky	15
Florence, Kentucky	14
West Chester, Ohio	9
Fairfield, Ohio	8
Middletown, Ohio	7
United States-Ohio-Cincinnati-Liberty Township	5
Guilford, Indiana	4
Lawrenceburg, Indiana	4

### Employers

Employer Name	Active Job Ads
UCHealth	58
Cincinnati Children's Hospital	48
Mercy Health	44
St. Elizabeth Healthcare	33
The Christ Hospital Health Network	24
TriHealth	15
Agility	4
ForTec Medical	4
Kettering Health	4
Margaret Mary Health	4



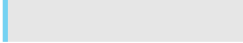
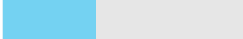
### Hard Skills

Skill Name	Active Job Ads	
Sterilization	104	
Epic Systems	38	
Sterilizing Equipment	34	
Oracle PeopleSoft	26	
Inventory Management	25	
Medical Terminology	21	
Ability to Lift 51-100 lbs.	18	
Microsoft Excel	17	
Ability to Lift 41-50 lbs.	14	
Clinical Research	14	

### Job Titles

Job Title	Active Job Ads	
Sterile Processing Technician	32	
Dispatch Supply Tech	16	
Sterile Processing Tech	11	
Sterile Processing Tech II	7	
Sterile Processing Aide	6	
CENTRAL STERILE TECH-II	5	
Certified Instrument Processing Technician, Anesthesia Processing, First Shift	5	
Sterile Processing Technician, Liberty	5	
Healthcare Laser Technician	4	
OR/CS TECH	4	

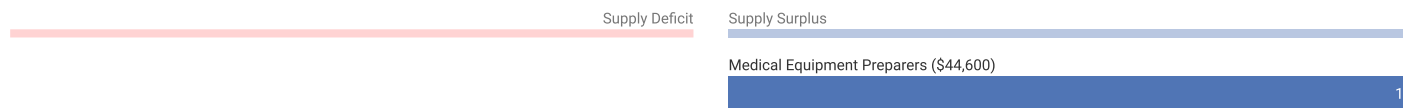
### Education Levels

Minimum Education Level	Active Job Ads	
High school diploma or equivalent	228	
Associate's degree	11	
Bachelor's degree	5	
Unspecified/other	87	

### Programs

Program Name	Active Job Ads	
Chemical	9	
Biology	4	
Chemistry	3	
Engineering	3	
Microbiology	3	
Physics	3	
Life Science	2	
Medical	2	
Science	2	
Business	1	

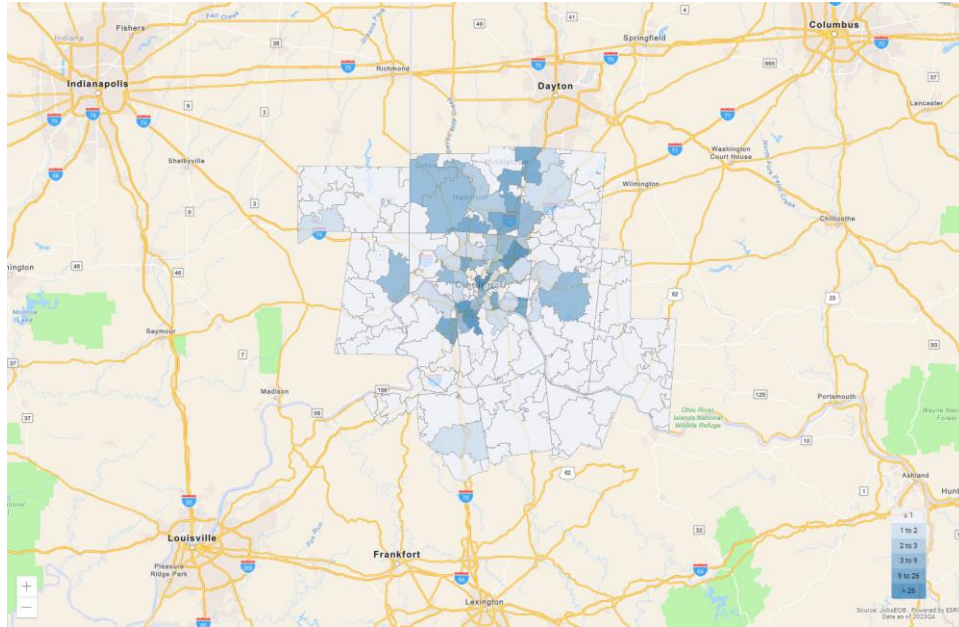
# Occupation Gaps



💡 The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has an occupation expected to grow quickly but the educational requirement for the occupation does not match well with the educational attainment of its residents, there is a high potential for an occupation shortfall in the region. Alternatively, slow-growing or contracting occupations often represent potential supply surpluses.

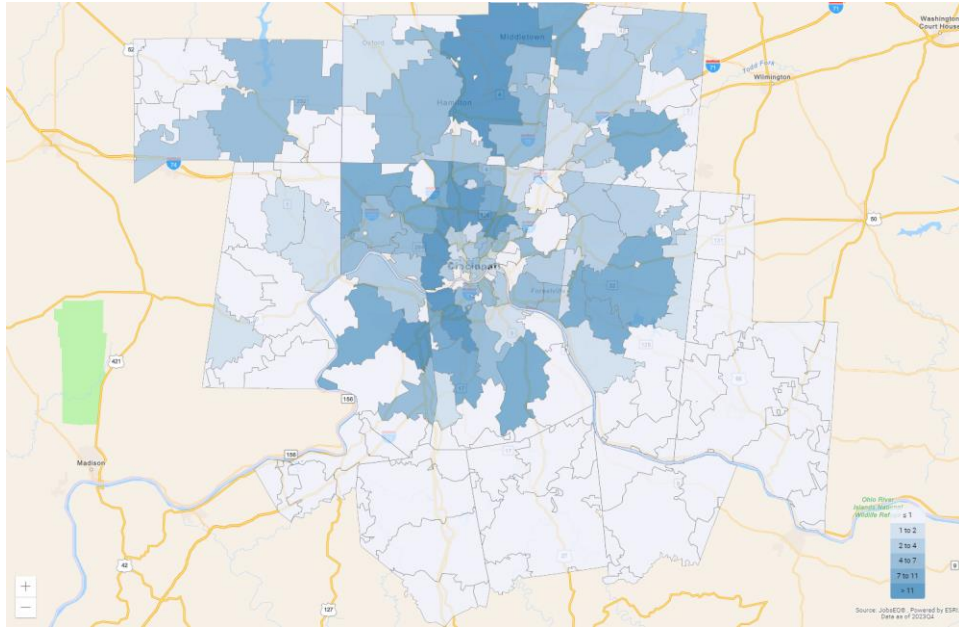
💡 The potential supply shortfall is an underlying force that the market needs to resolve one way or another, such as by employers recruiting from further distances for these occupations, wages going up to attract more candidates, and/or increased demand and wages enticing more local residents to get training for these occupations. While this an important analysis for determining local occupation needs, the occupation gap should be considered along with other regional data including growth and separation forecasts, unemployment rates, wage trends, and award and skill gap analyses.

# Geographic Distribution



**Top ZCTAs by Place of Work for Medical Equipment Preparers, 2023Q4**

Region	Employment
ZCTA 45229	101
ZCTA 45220	62
ZCTA 45242	53
ZCTA 45219	39
ZCTA 41017	33
ZCTA 45236	27
ZCTA 45069 (Butler County, Ohio portion)	24
ZCTA 45255 (Hamilton County, Ohio portion)	17
ZCTA 41042 (Boone County, Kentucky portion)	17
ZCTA 45014	14

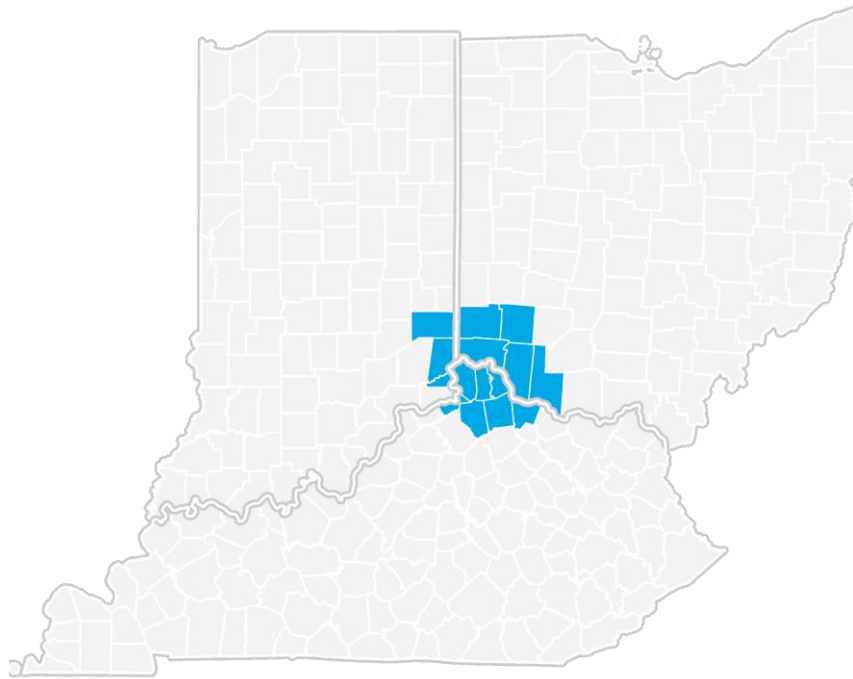


**Top ZCTAs by Place of Residence for Medical Equipment Preparers, 2023Q4**

Region	Employment
ZCTA 45231	30
ZCTA 45239	26
ZCTA 45238	23
ZCTA 41042 (Boone County, Kentucky portion)	21
ZCTA 45211	18
ZCTA 45042 (Butler County, Ohio portion)	17
ZCTA 41017	15
ZCTA 45067	14
ZCTA 45224	13
ZCTA 45011	12

💡 “Place of work” employment is based upon the location of employers for these workers. “Place of residence” data refers to the home locations of the workforce, which is typically the preferred data set to use when calculating labor availability within a drive-time or radius of a potential worksite.

# Cincinnati, OH-KY-IN MSA Regional Map



# Data Notes

- Occupation employment by default indicates employment by place of work. Occupation employment is as of 2023Q4 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OEWS data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts. Wages by occupation are as of 2023Q4, utilizing BLS OEWS data, imputed and brought forward by Chmura. Entry-level and experienced wages are derived from these source data, computed by Chmura.
- Industry employment is as of 2023Q4 and is based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data.
- Education and training requirements are from the BLS. Educational attainment mix and other occupation demographics data are modeled by Chmura for 2023Q4 using regional occupation employment from JobsEQ, ZCTA-level demographics data from the Census Bureau, and national occupation-demographics patterns from the BLS.
- Postsecondary awards are per the NCES and are for the 2021-2022 academic year. Any programs shown are linked with the occupation(s) being analyzed via the program-occupation crosswalk, which may not be comprehensive. Any programs shown reflect only data reported to the NCES; reporting is required of all Title IV schools. Training providers that do not report data to the NCES are not reflected.
- Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the 12-month period ending 05/14/2024 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced. Historical ad volume is revised as additional data are made available and processed. Since many extraneous factors can affect short-term volume of online job postings, time-series data can be volatile and should be used with caution. All ad counts represent deduplicated figures and exclude ads from staffing companies.
- For skill and certification gaps, openings and candidates are based upon regional occupation demand (growth plus separations) and the percent of skill demand and supply. Skill demand mix data are per a one-year sample of RTI data; skill supply data are estimated using a five-year sample of resumes data; both data sets compiled as of July 2022. Data may be based, at least in part, on data from broader geographies; see the Skill Gaps analytic export for more details.
- Occupation gaps are modeled by Chmura, indicating long-term potential supply and demand mismatches in a region due, in part, to job demand and labor pool dynamics, including educational attainment and projected growth.
- Occupation employment by place of residence is as of 2023Q4 and modeled by Chmura based upon occupation employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendencies, and updated to reflect more recent population and employment estimates.
- Figures may not sum due to rounding.



# Region Definition

**Cincinnati, OH-KY-IN MSA is defined as the following counties:**

Dearborn County, Indiana

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Franklin County, Indiana

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Ohio County, Indiana

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Boone County, Kentucky

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Bracken County, Kentucky

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Campbell County, Kentucky

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Gallatin County, Kentucky

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Grant County, Kentucky

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Kenton County, Kentucky

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Pendleton County, Kentucky

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Brown County, Ohio

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Butler County, Ohio

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Clermont County, Ohio

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Hamilton County, Ohio

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Warren County, Ohio

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# FAQ

## What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

## What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.