Occupation Report

Medical Equipment Preparers
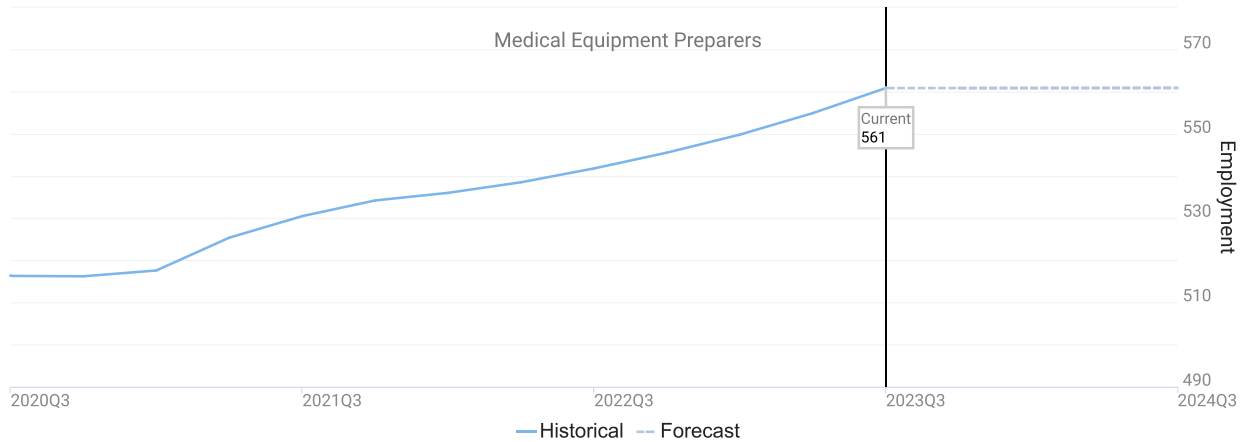
Cincinnati, OH-KY-IN MSA

Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Medical Equipment Preparers	**561**	**$44,400**	**1.18**	**45**	**75**	**0.1%**

Medical Equipment Preparers

Current
561

Employment

570
550
530
510
490

2020Q3   2021Q3   2022Q3   2023Q3   2024Q3

— Historical   -- Forecast

undefined

💡 "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	77.7%	436	576	-4	573
Offices of Dentists	5.2%	29	40	1	41
Outpatient Care Centers	4.4%	25	35	4	39
Offices of Physicians	3.8%	21	28	0	28
Employment Services	2.4%	13	18	0	18
Medical and Diagnostic Laboratories	0.9%	5	7	0	8
Health and Personal Care Retailers	0.8%	4	6	0	6
Specialty (except Psychiatric and Substance Abuse) Hospitals	0.7%	4	5	0	5
Colleges, Universities, and Professional Schools	0.6%	3	5	0	5
Other Ambulatory Health Care Services	0.5%	3	4	0	5
All Others	2.9%	16	22	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.
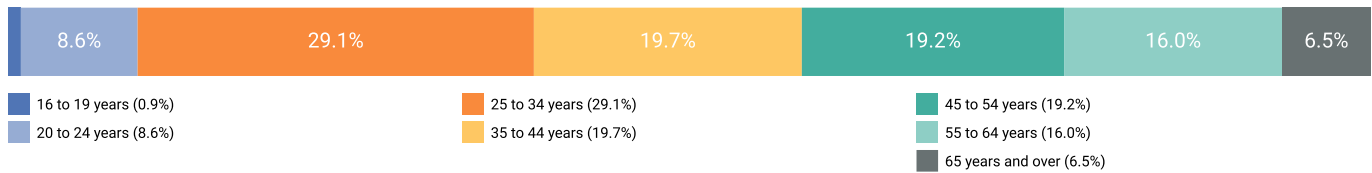
Wages

Mean

	$44,400

Entry Level

	$38,000

Experienced

	$47,500

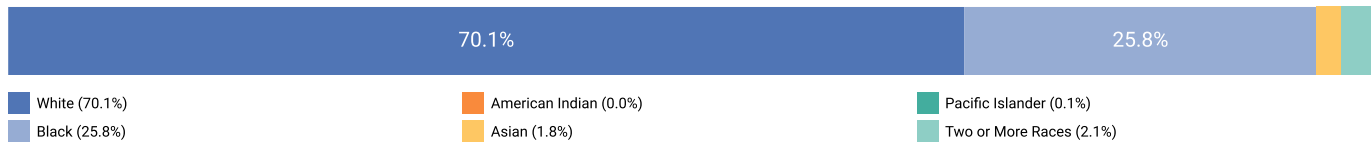| Occupation	Mean	Median	Entry Level	Experienced
Medical Equipment Preparers	$44,400	$43,000	$38,000	$47,500

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.
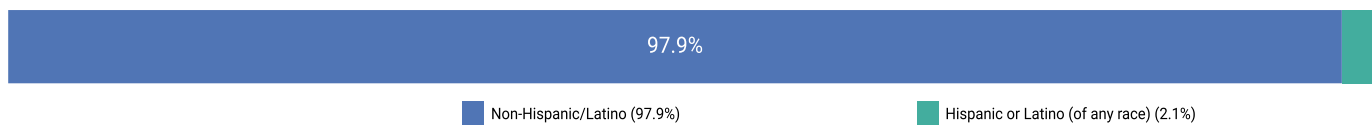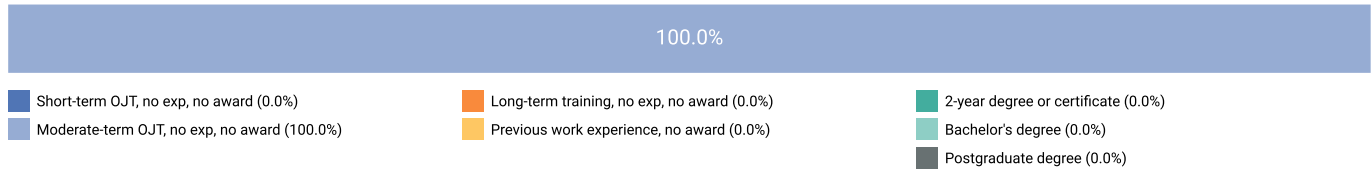
Occupation Demographics

Age

8.6%	29.1%	19.7%	19.2%	16.0%	6.5%

- 16 to 19 years (0.9%)
- 20 to 24 years (8.6%)
- 25 to 34 years (29.1%)
- 35 to 44 years (19.7%)
- 45 to 54 years (19.2%)
- 55 to 64 years (16.0%)
- 65 years and over (6.5%)

Race

70.1%	25.8%

- White (70.1%)
- Black (25.8%)
- American Indian (0.0%)
- Asian (1.8%)
- Pacific Islander (0.1%)
- Two or More Races (2.1%)

Ethnicity

97.9%

- Non-Hispanic/Latino (97.9%)
- Hispanic or Latino (of any race) (2.1%)

Gender

29.3%	70.7%

- Male (29.3%)
- Female (70.7%)

Education and Training Requirements

100.0%

- Short-term OJT, no exp, no award (0.0%)
- Moderate-term OJT, no exp, no award (100.0%)
- Long-term training, no exp, no award (0.0%)
- Previous work experience, no award (0.0%)
- 2-year degree or certificate (0.0%)
- Bachelor's degree (0.0%)
- Postgraduate degree (0.0%)

Education Profile

Educational Attainment

| 26.2% | 19.7% | 14.6% | 25.0% | 8.5% | |

- < High School (3.1%)
- High School (26.2%)
- Some College (19.7%)
- Two-Year (14.6%)
- Four-Year (25.0%)
- Master's (8.5%)
- PhD (2.9%)
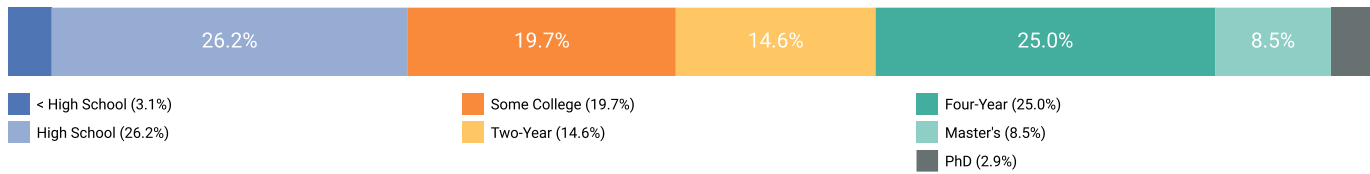
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Medical Equipment Preparers	High school diploma or equivalent	None	Moderate-term on-the-job training

💡 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

● Feb 6, 2023 to Jan 28, 2024   ▢ Feb 7, 2022 to Jan 29, 2023
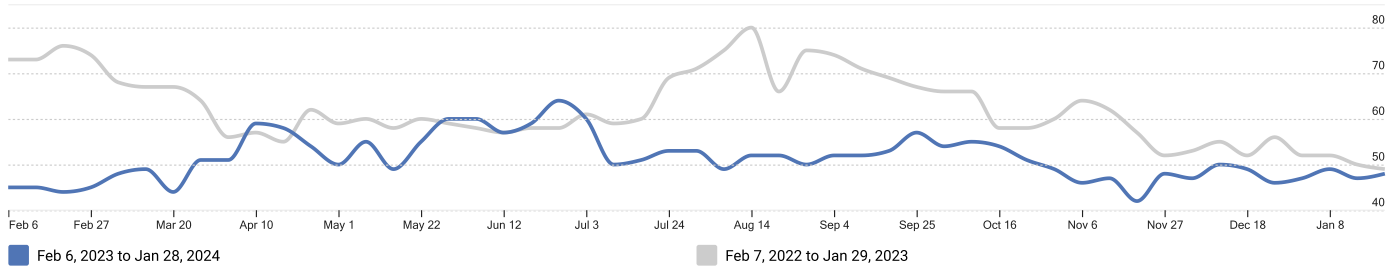
Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

Occupations

SOC	Occupation	Active Job Ads	
31-9093.00	Medical Equipment Preparers	290	

Locations

Location	Active Job Ads	
Cincinnati, Ohio	112	
United States-Ohio-Cincinnati-Burnet Building Location G	53	
Cincinnati, OH, 45220, US	14	
Fairfield, Ohio	13	
West Chester, Ohio	10	
Montgomery, OH, 45242, US	9	
Americas, US-OH, Cincinnati , CSL Plasma	7	
Edgewood, Kentucky	5	
Florence, Kentucky	5	
United States-Ohio-Cincinnati-Liberty Township	5	

Employers

Employer Name	Active Job Ads	
UCHealth	65	
Cincinnati Children's Hospital	59	
Mercy Health	46	
TriHealth	28	
St. Elizabeth Healthcare	14	
CSL	9	
The Christ Hospital Health Network	7	
Aya Healthcare, Inc.	5	
KPG Allied	3	
Kettering Health	3	

Hard Skills

Skill Name	Active Job Ads	
Sterilization	81	
Epic Systems	39	
Sterilizing Equipment	32	
Ability to Lift 21-30 lbs.	30	
Inventory Management	27	
Medical Terminology	24	
Oracle PeopleSoft	21	
Microbiology	20	
Clinical Research	18	
Microsoft Excel	18	

Job Titles

| Job Title	Active Job Ads	
Sterile Processing Technician	32	
Sterile Processing Aide	13	
Sterile Processing Tech	10	
Plasma Processing Technician	9	
Instrument Processing Technician, Anesthesia Processing, Second Shift	6	
Senior Certified Instrument Processing Technician, Sterile Processing	6	
Certified Instrument Processing Technician, Anesthesia Processing, First Shift	5	
Instrument Processing Technician, Anesthesia Processing, Third Shift	5	
Processing Technician	4	
Sterile Processing Tech II	4	

Education Levels

Minimum Education Level	Active Job Ads	
High school diploma or equivalent	216	
Bachelor's degree	9	
Associate's degree	8	
Unspecified/other	57	

Programs

Program Name	Active Job Ads	
Microbiology	5	
Life Science	4	
Chemistry	2	
Nursing	2	
Physics	2	
Biology	1	
Biomedical Engineering	1	
Business	1	
Chemical Engineering	1	
Electrical	1	

Geographic Distribution
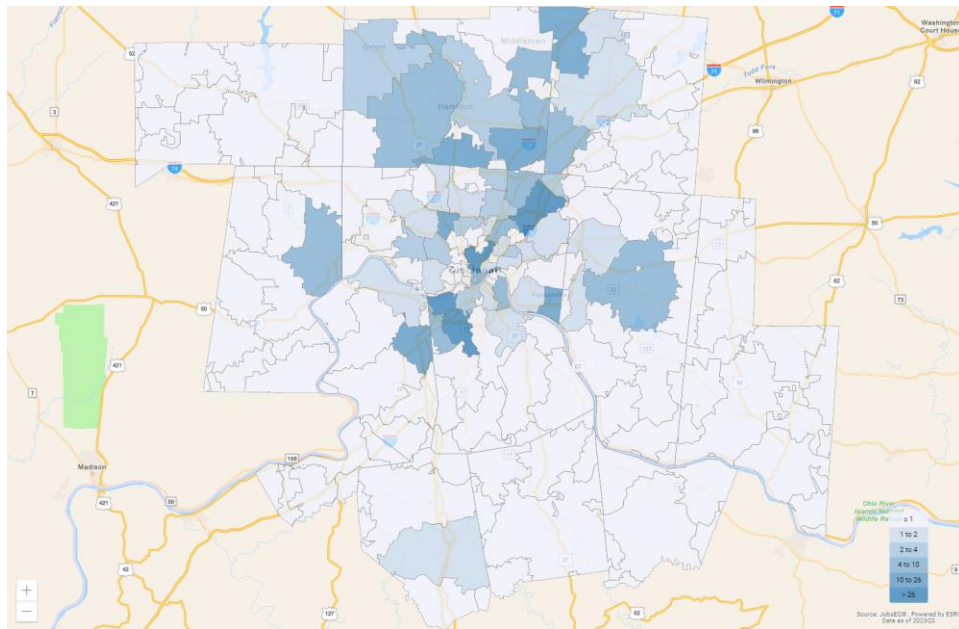
Top ZCTAs by Place of Work for Medical Equipment Preparers, 2023Q3

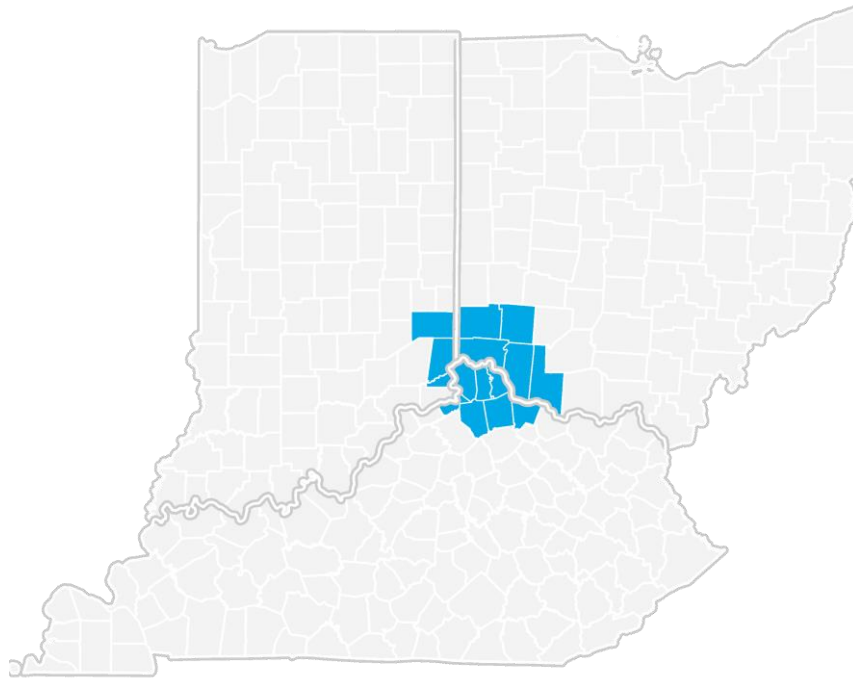| Region	Employment
ZCTA 45229	100
ZCTA 45220	61
ZCTA 45242	53
ZCTA 45219	38
ZCTA 41017	33
ZCTA 45236	27
ZCTA 45069 (Butler County, Ohio portion)	24
ZCTA 45255 (Hamilton County, Ohio portion)	17
ZCTA 41042 (Boone County, Kentucky portion)	16
ZCTA 45014	14
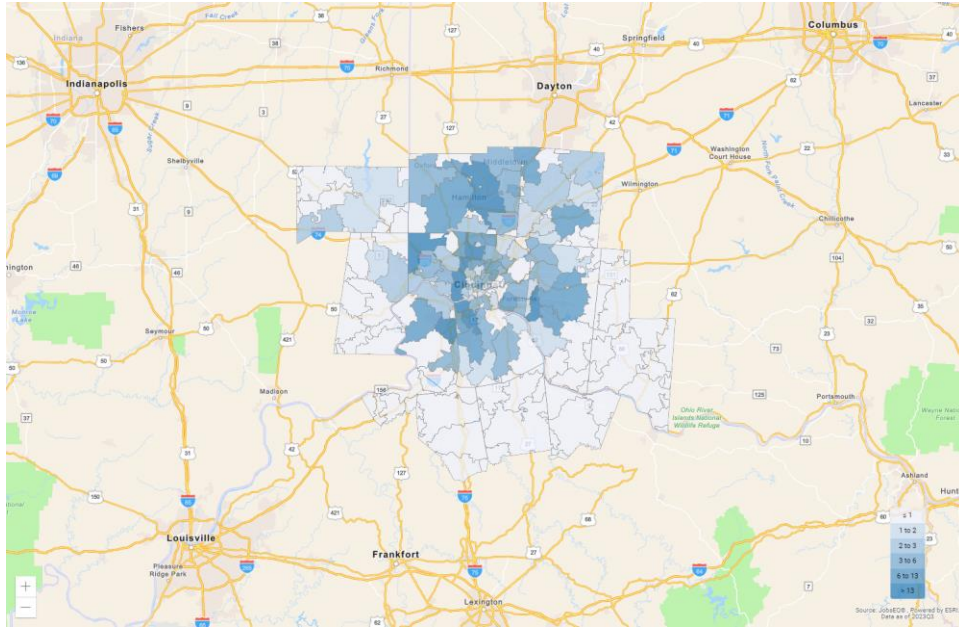
Top ZCTAs by Place of Residence for Medical Equipment Preparers, 2023Q3

Region	Employment
ZCTA 45231	31
ZCTA 45239	27
ZCTA 45238	24
ZCTA 41042 (Boone County, Kentucky portion)	22
ZCTA 45211	17
ZCTA 45030	17
ZCTA 41017	14
ZCTA 45245	14
ZCTA 45067	14
ZCTA 45011	13

"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 2023Q3 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 2023Q3, 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 2023Q3 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 2023Q3 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 02/06/2024 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 dyanamics, including educational attainment and projected growth.
- Occupation employment by place of residence is as of 2023Q3 and modeled by Chmura based upon occuaption employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendancies, 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	Kenton County, Kentucky
Franklin County, Indiana	Pendleton County, Kentucky
Ohio County, Indiana	Brown County, Ohio
Boone County, Kentucky	Butler County, Ohio
Bracken County, Kentucky	Clermont County, Ohio
Campbell County, Kentucky	Hamilton County, Ohio
Gallatin County, Kentucky	Warren County, Ohio
Grant County, Kentucky	

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.