



# Occupation Report

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## Registered Nurses

Cincinnati, OH-KY-IN MSA

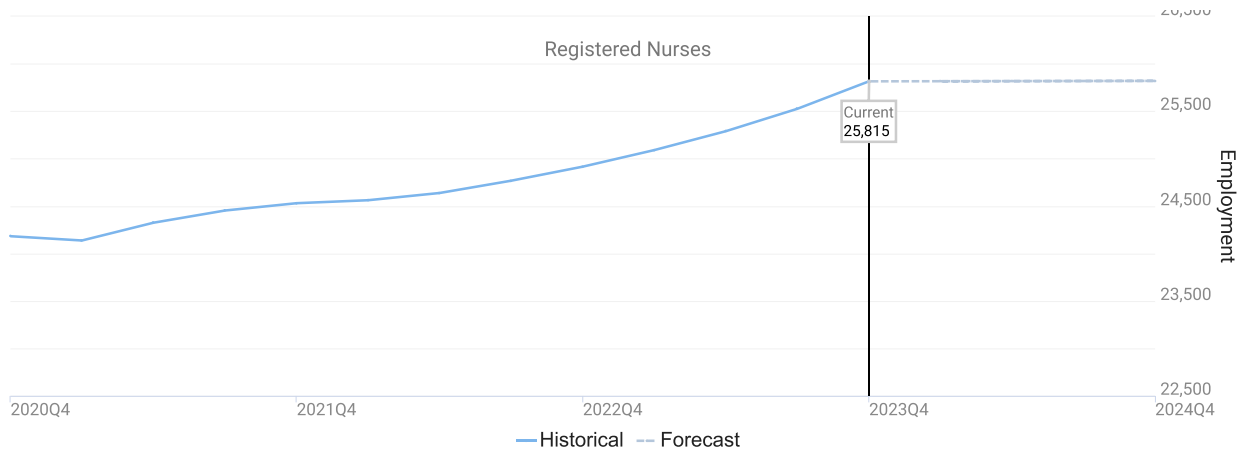
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# Occupation Snapshot

6-Digit Occupation	Empl	Avg Median Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Registered Nurses	25,815	\$83,100	1.13	1,632	1,447	0.2%



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“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.
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“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).

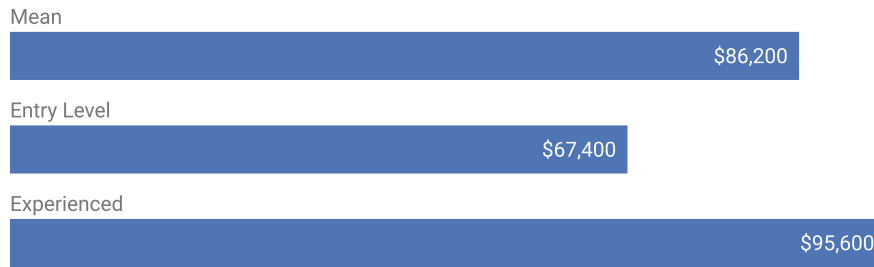
# Employment by Industry

Industry Title	% of Occ Empl	Empl	10-Year Separations	10-Year Empl Growth	10-Year Total Demand
General Medical and Surgical Hospitals	64.9%	16,762	9,018	-59	8,958
Offices of Physicians	6.4%	1,648	889	4	893
Nursing Care Facilities (Skilled Nursing Facilities)	4.8%	1,240	651	-67	583
Home Health Care Services	4.0%	1,040	604	171	775
Employment Services	3.5%	896	498	56	554
Outpatient Care Centers	3.4%	869	504	139	643
Insurance Carriers	1.5%	381	215	38	253
Specialty (except Psychiatric and Substance Abuse) Hospitals	1.4%	361	202	27	228
Elementary and Secondary Schools	1.3%	333	180	3	183
Management of Companies and Enterprises	1.2%	315	176	23	199
Psychiatric and Substance Abuse Hospitals	1.0%	262	146	16	162
Executive, Legislative, and Other General Government Support	0.8%	213	115	1	116
Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	0.8%	212	119	20	139
Colleges, Universities, and Professional Schools	0.5%	138	74	1	75
Individual and Family Services	0.5%	135	81	33	114
All Others	3.9%	1,010	561	68	629



 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

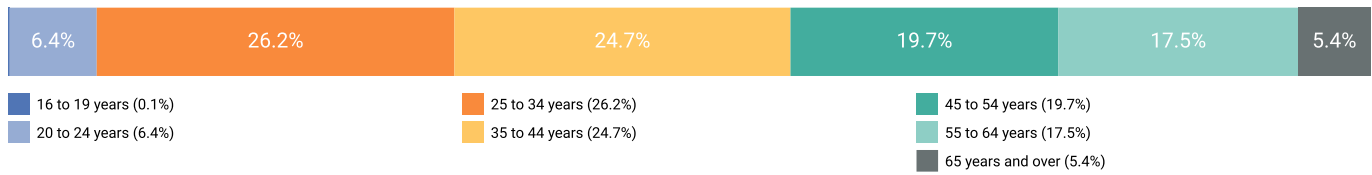


Occupation	Mean	Median	Entry Level	Experienced
Registered Nurses	\$86,200	\$83,100	\$67,400	\$95,600

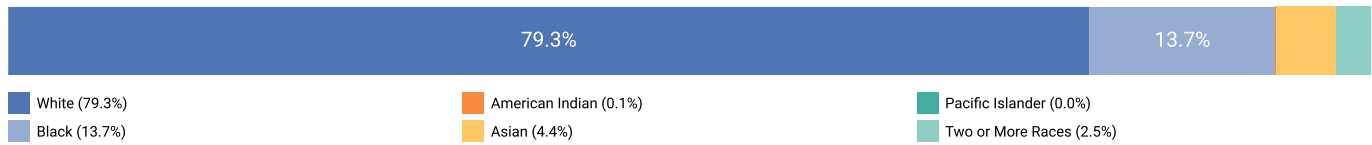
-  Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.
-  When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.

# Occupation Demographics

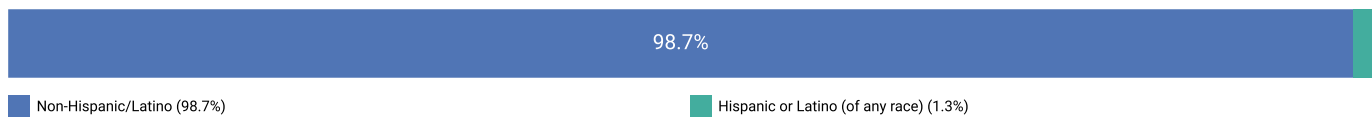
## Age



## Race



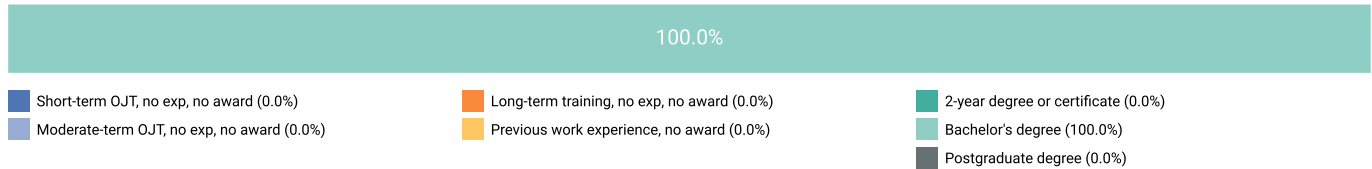
## Ethnicity



## Gender

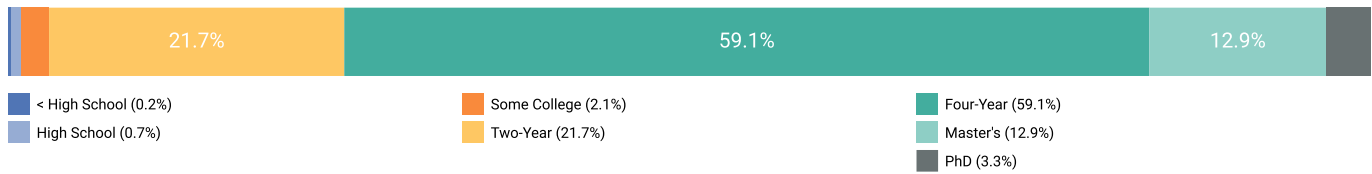


## Education and Training Requirements



# Education Profile

## Educational Attainment




Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Registered Nurses	Bachelor's degree	None	None


 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.

# Postsecondary Programs Linked to Registered Nurses

Program	Awards
<b>Cincinnati State Technical and Community College</b>	
Registered Nursing/Registered Nurse	170
<b>Galen College of Nursing-Cincinnati</b>	
Registered Nursing/Registered Nurse	196
<b>Gateway Community and Technical College</b>	
Registered Nursing/Registered Nurse	91
<b>Good Samaritan College of Nursing and Health Science</b>	
Registered Nursing/Registered Nurse	95
<b>Miami University-Hamilton</b>	
Registered Nursing/Registered Nurse	91
<b>Northern Kentucky University</b>	
Registered Nursing/Registered Nurse	936
<b>The Christ College of Nursing and Health Sciences</b>	
Registered Nursing/Registered Nurse	232
<b>University of Cincinnati-Main Campus</b>	
Family Practice Nurse/Nursing	327
Registered Nursing/Registered Nurse	429
<b>Xavier University</b>	
Registered Nursing/Registered Nurse	374

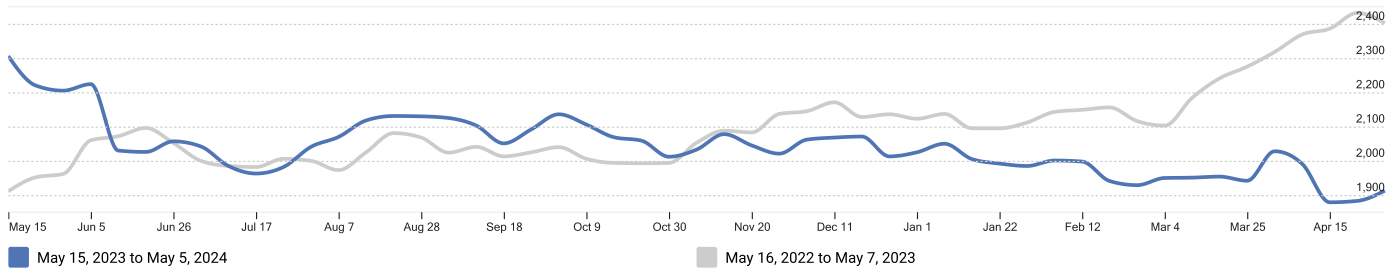
 The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.


 Among postsecondary programs at schools located in the Cincinnati, OH-KY-IN MSA, the sampling above identifies those most linked to Registered Nurses. For a complete list see JobsEQ®, <http://www.chmuraecon.com/jobseq>



# 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
29-1141.00	Registered Nurses	8,456
29-1141.03	Critical Care Nurses	171
29-1141.01	Acute Care Nurses	85
29-1141.02	Advanced Practice Psychiatric Nurses	80
29-1141.04	Clinical Nurse Specialists	7

### Locations

Location	Active Job Ads
Cincinnati, Ohio	2,973
West Chester, Ohio	333
Fairfield, Ohio	240
Florence, Kentucky	179
Edgewood, Kentucky	159
United States-Ohio-Cincinnati-Burnet Building Location A	145
Batavia, Ohio	142
Middletown, Ohio	140
Fort Thomas, Kentucky	127
Miamisburg, OH 45342	122

### Employers

Employer Name	Active Job Ads
Mercy Health	1,200
UCHealth	1,162
Cincinnati Children's Hospital	495
TriHealth	290
Kettering Health	242
St. Elizabeth Healthcare	215
Beckett Springs	201
The Christ Hospital Health Network	173
Post Acute Medical	112
Carespring	96

### Hard Skills

Skill Name	Active Job Ads	
Nursing	1,749	
Critical Care	651	
Patient Care	605	
Long-Term Care	596	
Electronic Health Record (EHR)	392	
Epic Systems	367	
Teaching/Training, Job	330	
Intensive Care Unit (ICU)	322	
Geriatric	305	
Microsoft Outlook	299	

### Job Titles

Job Title	Active Job Ads	
Registered Nurse (RN)	362	
Registered Nurse	255	
RN - Registered Nurse	63	
Registered Nurse (RNs) - (FT, PT, PRN, and Temporary Contract)	53	
RN	49	
Travel RN-Telemetry	43	
Travel Nurse (RN) Tele (Telemetry)	32	
RN Case Manager	30	
RN Unit Manager	30	
Travel RN-Med/Surg	28	

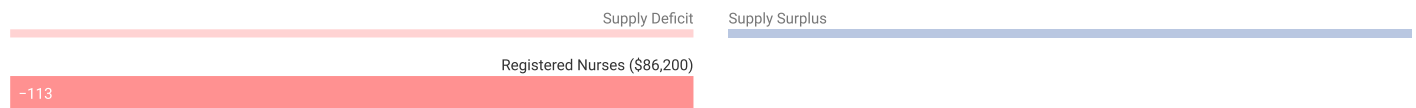
### Education Levels



Minimum Education Level	Active Job Ads	
Bachelor's degree	1,907	
Associate's degree	1,589	
Master's degree	83	
Doctoral or professional degree	3	
Unspecified/other	5,217	

### Programs

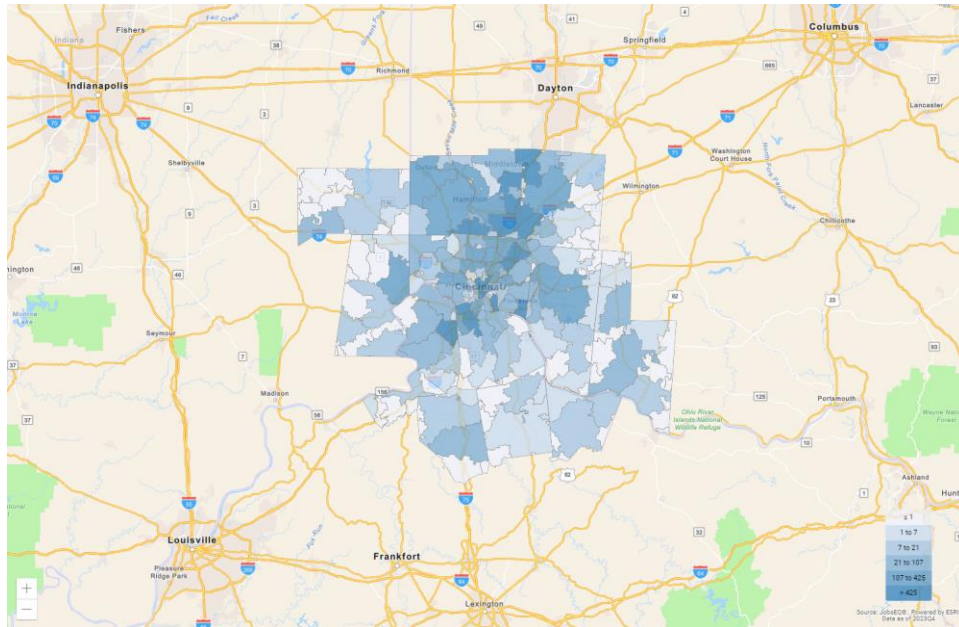
Program Name	Active Job Ads	
Nursing	3,371	
Biology	259	
Literature	117	
Clinical	65	
Nursing Practice	24	
Health	20	
Social Work	11	
Chemical	10	
Public Health	8	
Medical Technology	7	

# Occupation Gaps



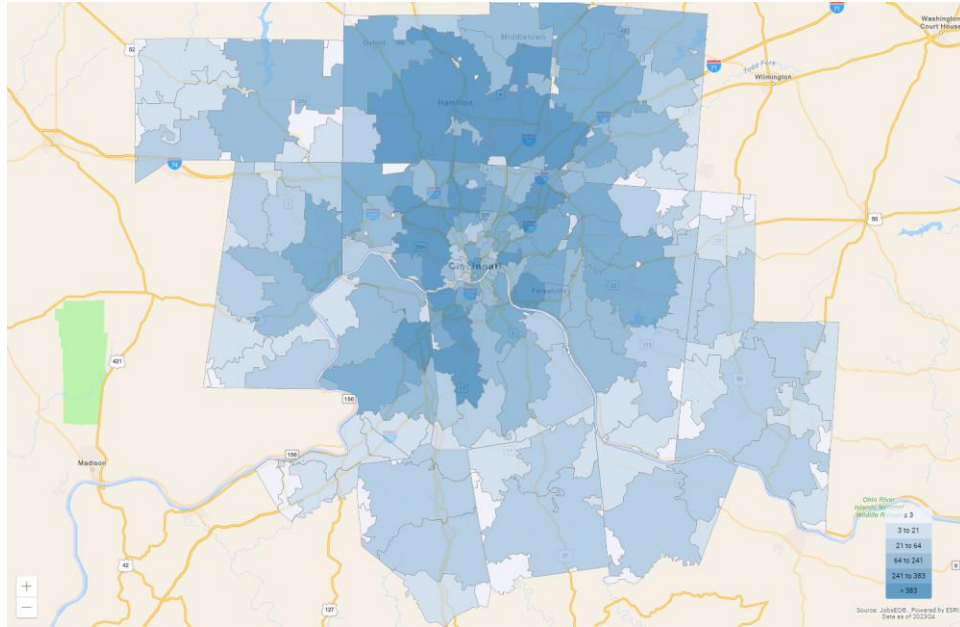
-  The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has 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 Registered Nurses, 2023Q4**

Region	Employment
ZCTA 45229	4,009
ZCTA 45220	2,349
ZCTA 45242	2,154
ZCTA 45219	1,531
ZCTA 41017	1,474
ZCTA 45236	1,120
ZCTA 45069 (Butler County, Ohio portion)	1,035
ZCTA 41042 (Boone County, Kentucky portion)	822
ZCTA 45255 (Hamilton County, Ohio portion)	670
ZCTA 45014	625

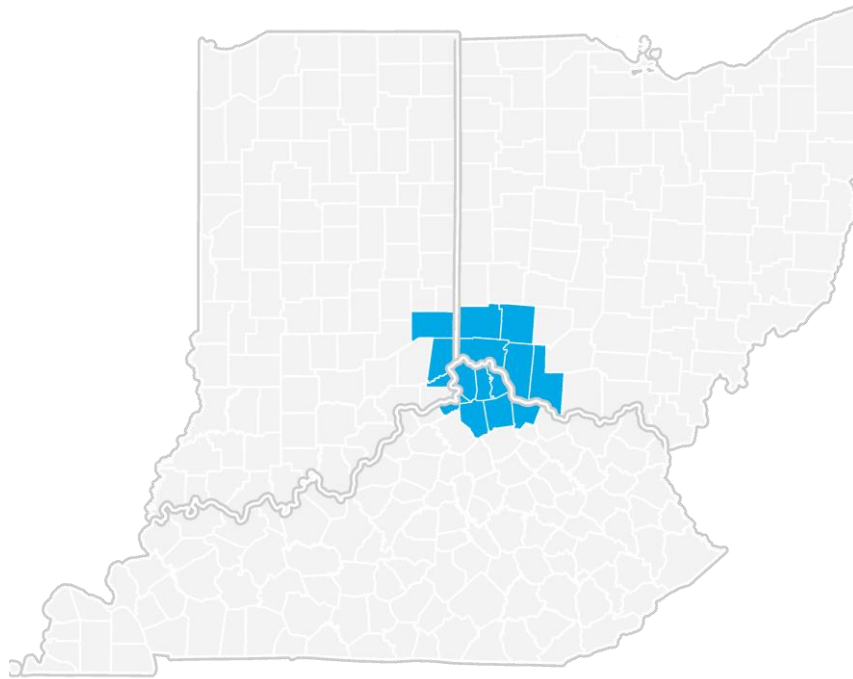


**Top ZCTAs by Place of Residence for Registered Nurses, 2023Q4**

Region	Employment
ZCTA 45040	735
ZCTA 45069 (Butler County, Ohio portion)	719
ZCTA 45238	677
ZCTA 45011	661
ZCTA 41017	653
ZCTA 45230	529
ZCTA 45236	521
ZCTA 45211	520
ZCTA 45014	516
ZCTA 45231	492

💡 “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.