Occupation Report

Registered Nurses
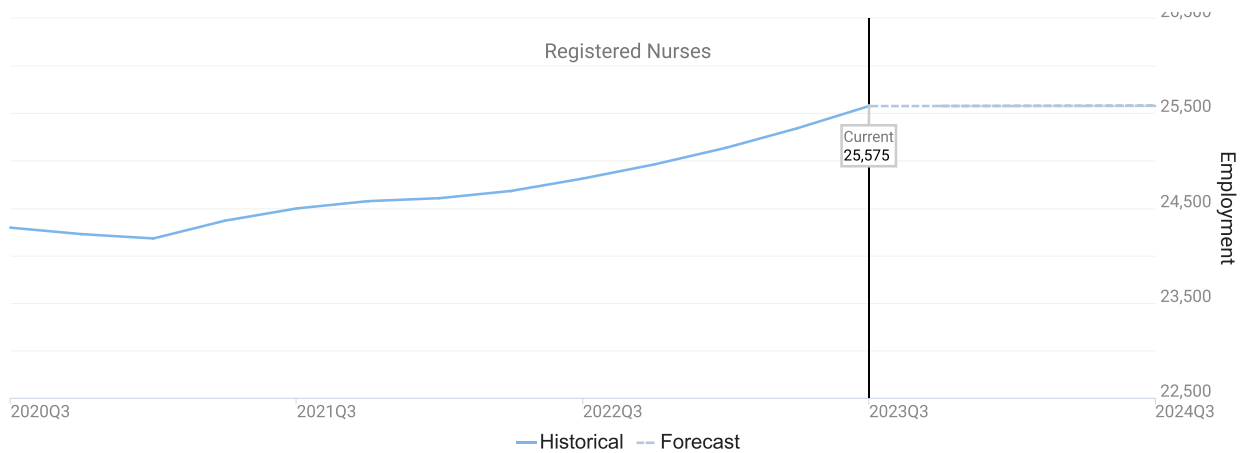
Cincinnati, OH-KY-IN MSA

Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Registered Nurses	**25,575**	**$85,800**	**1.13**	**1,280**	**1,418**	**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	64.8%	16,570	8,896	-129	8,767
Offices of Physicians	6.4%	1,641	883	-6	877
Nursing Care Facilities (Skilled Nursing Facilities)	4.7%	1,210	631	-77	555
Home Health Care Services	4.0%	1,014	588	162	749
Employment Services	3.6%	928	513	50	564
Outpatient Care Centers	3.4%	869	503	133	636
Insurance Carriers	1.5%	385	217	37	255
Specialty (except Psychiatric and Substance Abuse) Hospitals	1.4%	357	198	23	221
Elementary and Secondary Schools	1.3%	334	179	-2	177
Management of Companies and Enterprises	1.2%	316	176	23	199
Psychiatric and Substance Abuse Hospitals	1.1%	269	148	13	161
Executive, Legislative, and Other General Government Support	0.8%	208	112	-2	110
Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	0.8%	207	116	18	134
Colleges, Universities, and Professional Schools	0.5%	136	74	0	74
Individual and Family Services	0.5%	133	80	31	111
All Others	3.9%	998	553	60	613

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

$85,800

Entry Level

$67,000
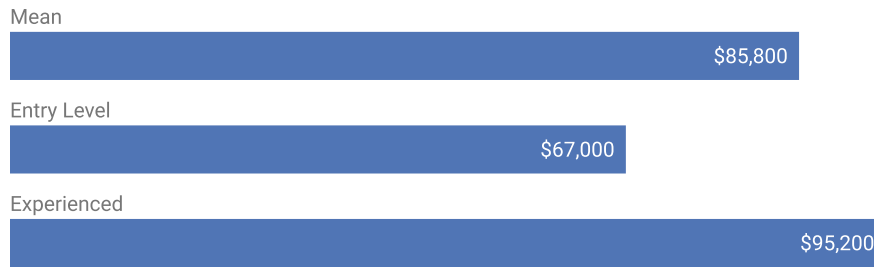
Experienced

$95,200

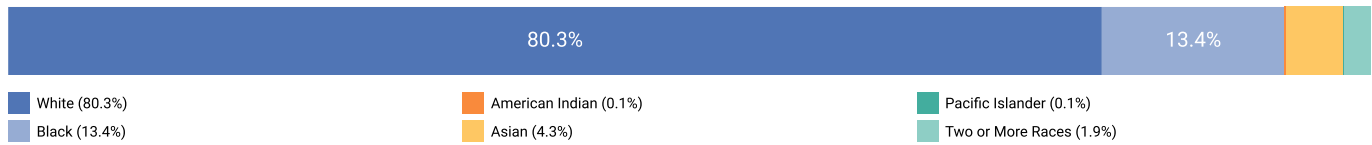| Occupation	Mean	Median	Entry Level	Experienced
Registered Nurses	$85,800	$82,700	$67,000	$95,200

💡 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.
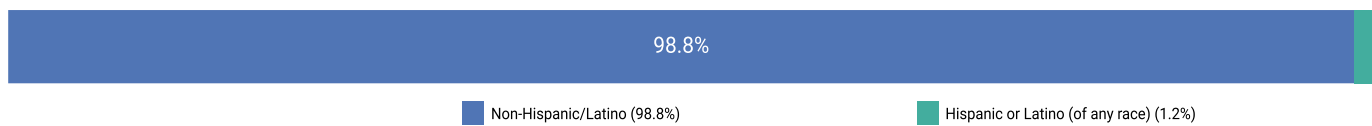
Occupation Demographics

Age

5.7%	25.9%	23.3%	21.8%	17.7%	5.5%

- 16 to 19 years (0.2%)
- 20 to 24 years (5.7%)
- 25 to 34 years (25.9%)
- 35 to 44 years (23.3%)
- 45 to 54 years (21.8%)
- 55 to 64 years (17.7%)
- 65 years and over (5.5%)

Race

80.3%	13.4%		

- White (80.3%)
- Black (13.4%)
- American Indian (0.1%)
- Asian (4.3%)
- Pacific Islander (0.1%)
- Two or More Races (1.9%)

Ethnicity

98.8%	

- Non-Hispanic/Latino (98.8%)
- Hispanic or Latino (of any race) (1.2%)

Gender

12.9%	87.1%

- Male (12.9%)
- Female (87.1%)

Education and Training Requirements

100.0%

- Short-term OJT, no exp, no award (0.0%)
- Moderate-term OJT, no exp, no award (0.0%)
- 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 (100.0%)
- Postgraduate degree (0.0%)

Education Profile

Educational Attainment

22.0%	58.7%	12.9%	

- ■ < High School (0.2%)
- ■ High School (0.7%)
- ■ Some College (2.0%)
- ■ Two-Year (22.0%)
- ■ Four-Year (58.7%)
- ■ Master's (12.9%)
- ■ PhD (3.3%)
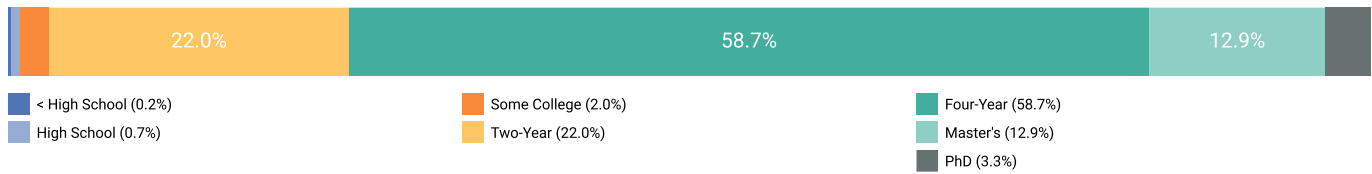
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Registered Nurses	Bachelor's degree	None	None

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

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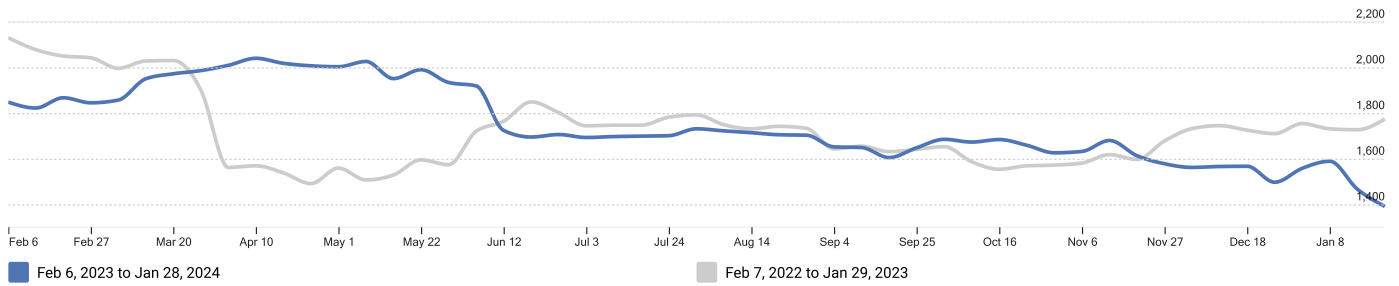
Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

Occupations

SOC	Occupation	Active Job Ads	
29-1141.00	Registered Nurses	8,431	
29-1141.03	Critical Care Nurses	151	
29-1141.01	Acute Care Nurses	55	
29-1141.02	Advanced Practice Psychiatric Nurses	28	
29-1141.04	Clinical Nurse Specialists	3	

Locations

Location	Active Job Ads
Cincinnati, Ohio	1,932
Cincinnati, OH, 45208, US	276
West Chester, Ohio	274
United States-Ohio-Cincinnati-Burnet Building Location A	226
Fairfield, Ohio	218
Montgomery, OH, 45242, US	184
Cincinnati, OH, 45220, US	162
Miamisburg, OH 45342	155
Miamisburg, Ohio 45342	130
Batavia, Ohio	109

Employers

Employer Name	Active Job Ads
Mercy Health	1,005
UCHealth	887
Cincinnati Children's Hospital	654
TriHealth	590
Kettering Health	251
Beckett Springs	243
St. Elizabeth Healthcare	153
Carespring	148
The Christ Hospital Health Network	125
Post Acute Medical	115

Hard Skills

Skill Name	Active Job Ads	
Nursing	1,521	
Patient Care	624	
Long-Term Care	562	
Critical Care	495	
Ability to Lift 101-150 lbs.	300	
Epic Systems	289	
Home Health Care	270	
Pediatrics	256	
Teaching/Training, Job	244	
Intensive Care Unit (ICU)	235	

Job Titles

Job Title	Active Job Ads	
Registered Nurse (RN)	371	
Registered Nurse	286	
RN - Registered Nurse	62	
Registered Nurse (RNs) - (FT, PT, PRN, and Temporary Contract)	55	
RN	46	
Charge Nurse (RN / LPN)	31	
Registered Nurse / RN - (7p-5a)	29	
Nurse Unit Manager	25	
RN Unit Manager	24	
Registered Nurse (RN) - Nights	24	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	1,934	
Associate's degree	1,823	
Master's degree	48	
Doctoral or professional degree	3	
Unspecified/other	4,860	

Programs

Program Name	Active Job Ads	
Nursing	3,389	
Biology	234	
Nursing Practice	32	
Health	24	
Social Work	19	
Medical Technology	9	
Epidemiology	8	
Public Health	8	
Healthcare	7	
Microbiology	7	

Occupation Gaps

	Supply Deficit	Supply Surplus

Registered Nurses ($85,800)

−134
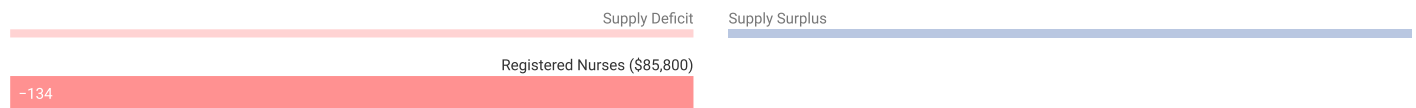
💡 The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has 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
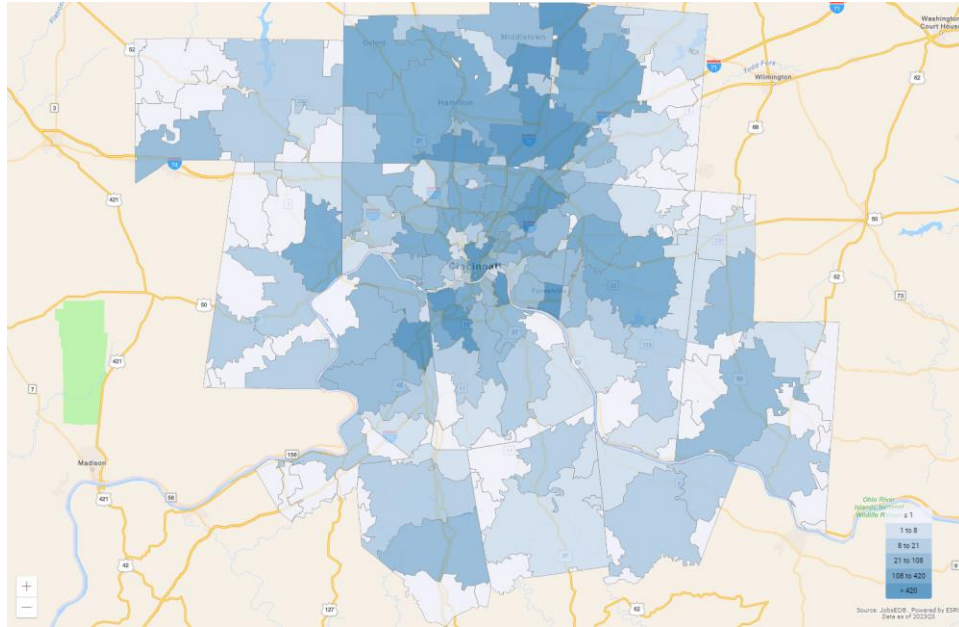
Top ZCTAs by Place of Work for Registered Nurses, 2023Q3

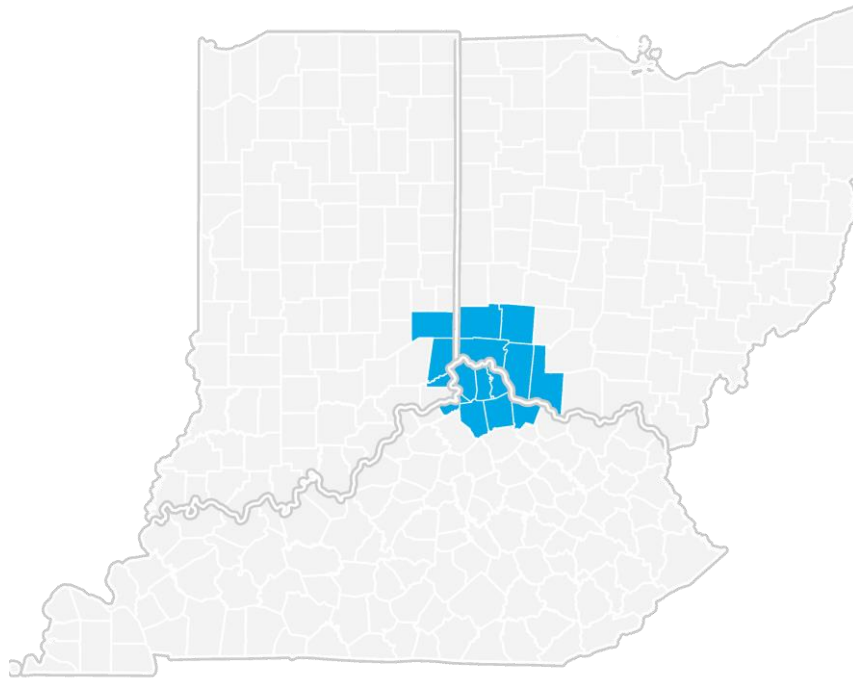| Region	Employment
ZCTA 45229	3,978
ZCTA 45220	2,317
ZCTA 45242	2,142
ZCTA 45219	1,518
ZCTA 41017	1,446
ZCTA 45236	1,114
ZCTA 45069 (Butler County, Ohio portion)	1,019
ZCTA 41042 (Boone County, Kentucky portion)	809
ZCTA 45255 (Hamilton County, Ohio portion)	665
ZCTA 45014	618
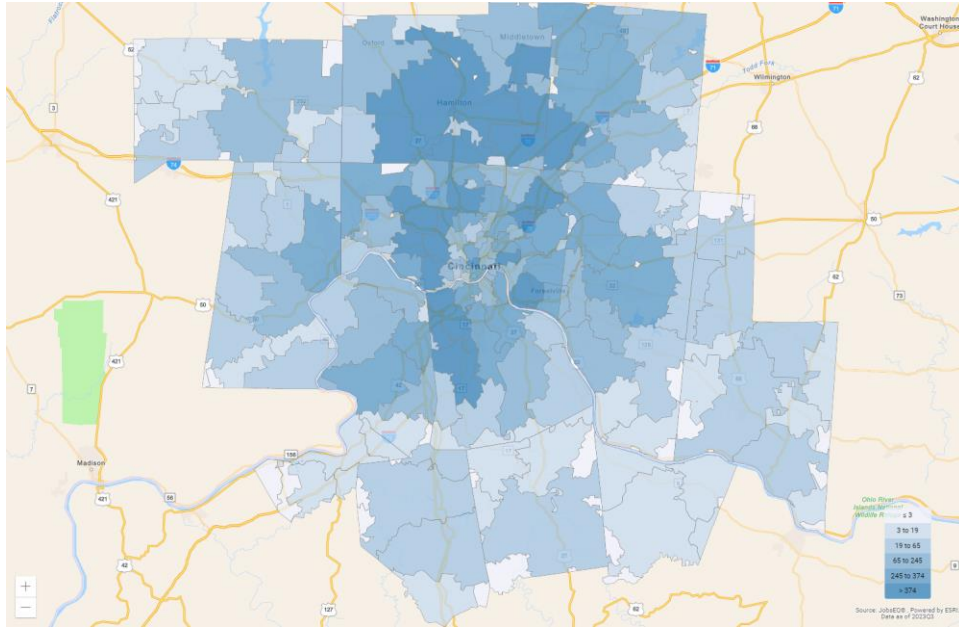
Top ZCTAs by Place of Residence for Registered Nurses, 2023Q3

Region	Employment
ZCTA 45040	713
ZCTA 45069 (Butler County, Ohio portion)	707
ZCTA 45238	706
ZCTA 45011	674
ZCTA 41017	596
ZCTA 45014	530
ZCTA 45236	525
ZCTA 45211	512
ZCTA 45230	508
ZCTA 45231	505

"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.