Occupation Report

Nursing Assistants
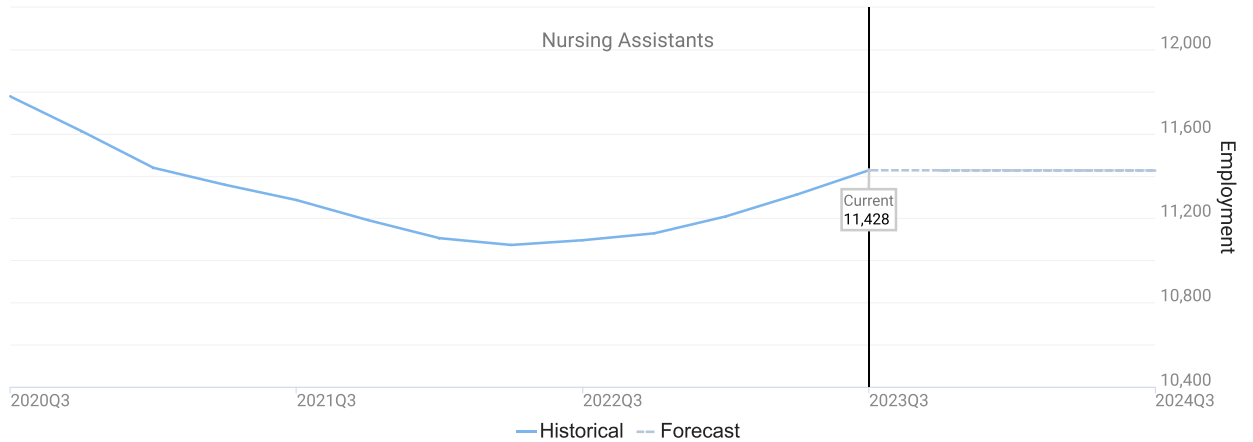
Cincinnati, OH-KY-IN MSA

Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Nursing Assistants	**11,428**	**$36,300**	**1.18**	**-350**	**1,597**	**-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
Nursing Care Facilities (Skilled Nursing Facilities)	39.6%	4,529	6,178	-286	5,892
General Medical and Surgical Hospitals	34.3%	3,922	5,502	-30	5,472
Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	8.6%	986	1,446	86	1,532
Home Health Care Services	4.4%	503	764	83	846
Employment Services	3.9%	440	622	3	625
Specialty (except Psychiatric and Substance Abuse) Hospitals	1.5%	166	242	11	252
Offices of Physicians	1.3%	149	210	0	209
Individual and Family Services	1.2%	142	224	37	260
Outpatient Care Centers	0.6%	72	109	11	120
Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities	0.6%	71	100	1	101
Psychiatric and Substance Abuse Hospitals	0.5%	62	88	1	89
Executive, Legislative, and Other General Government Support	0.5%	58	82	0	82
All Others	2.9%	327	464	5	469

💡 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
$36,300

Entry Level
$30,400

Experienced
$39,300

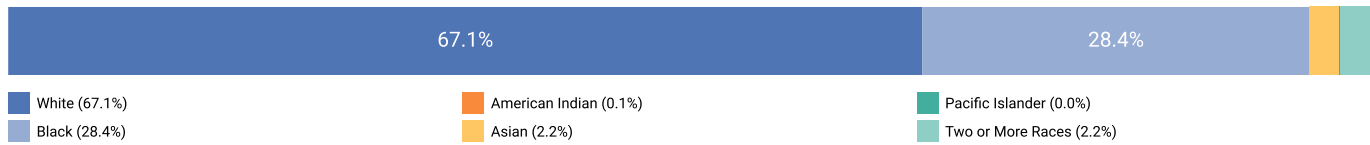| Occupation	Mean	Median	Entry Level	Experienced
Nursing Assistants	$36,300	$36,900	$30,400	$39,300

💡 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.
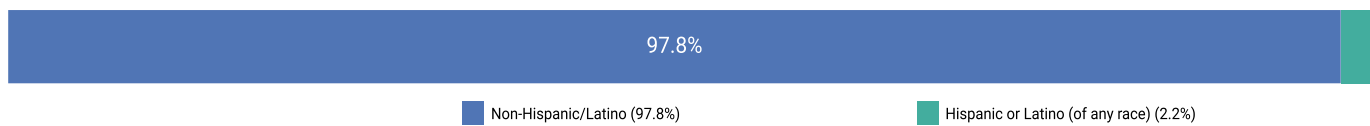
Occupation Demographics

Age

	13.2%	23.8%	20.2%	19.6%	15.7%	

- ■ 16 to 19 years (3.3%)
- ■ 20 to 24 years (13.2%)
- ■ 25 to 34 years (23.8%)
- ■ 35 to 44 years (20.2%)
- ■ 45 to 54 years (19.6%)
- ■ 55 to 64 years (15.7%)
- ■ 65 years and over (4.2%)

Race

67.1%	28.4%	

- ■ White (67.1%)
- ■ Black (28.4%)
- ■ American Indian (0.1%)
- ■ Asian (2.2%)
- ■ Pacific Islander (0.0%)
- ■ Two or More Races (2.2%)

Ethnicity

97.8%	

- ■ Non-Hispanic/Latino (97.8%)
- ■ Hispanic or Latino (of any race) (2.2%)

Gender

9.8%	90.2%

- ■ Male (9.8%)
- ■ Female (90.2%)

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 (100.0%)
- ■ Bachelor's degree (0.0%)
- ■ Postgraduate degree (0.0%)

Education Profile

Educational Attainment

5.9%	40.8%	24.6%	13.4%	12.2%		

- ■ < High School (5.9%)
- ■ High School (40.8%)
- ■ Some College (24.6%)
- ■ Two-Year (13.4%)
- ■ Four-Year (12.2%)
- ■ Master's (1.9%)
- ■ PhD (1.2%)
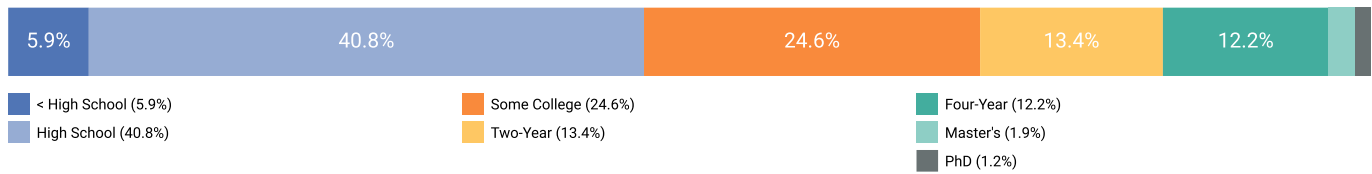
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Nursing Assistants	Postsecondary non-degree award	None	None

💡 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 Nursing Assistants

| Program	Awards
Brown & Clermont Adult Career Campuses	
Nursing Assistant/Aide and Patient Care Assistant/Aide	18
Butler Technology and Career Development Schools	
Nursing Assistant/Aide and Patient Care Assistant/Aide	117
Cincinnati State Technical and Community College	
Nursing Assistant/Aide and Patient Care Assistant/Aide	81
Great Oaks Career Campuses	
Practical Nursing, Vocational Nursing and Nursing Assistants, Other	3
Warren County Career Center	
Nursing Assistant/Aide and Patient Care Assistant/Aide	37

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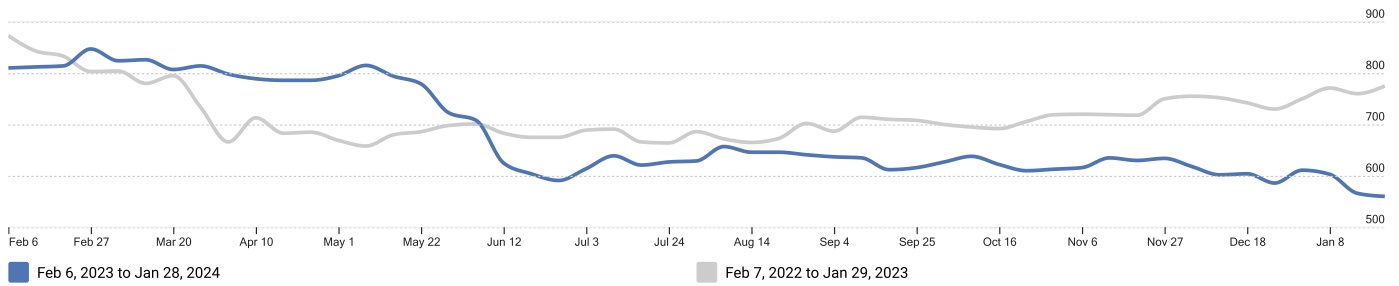
Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

Occupations

SOC	Occupation	Active Job Ads	
31-1131.00	Nursing Assistants	3,396	

Locations

Location	Active Job Ads	
Cincinnati, Ohio	788	
West Chester, Ohio	97	
Montgomery, OH, 45242, US	91	
United States-Ohio-Cincinnati-Burnet Building Location A	90	
Cincinnati, OH, 45220, US	82	
Fairfield, Ohio	74	
Miamisburg, OH 45342	68	
Batavia, Ohio	52	
Hamilton, OH 45013	49	
Alexandria, Kentucky	43	

Employers

Employer Name	Active Job Ads	
UCHealth	531	
Mercy Health	327	
TriHealth	241	
Cincinnati Children's Hospital	156	
Kettering Health	106	
Baptist Life Communities	96	
Carespring	93	
Beckett Springs	77	
St. Elizabeth Healthcare	67	
ProMedica Senior Care	51	

Hard Skills

Skill Name	Active Job Ads	
Long-Term Care	502	
Patient Care	471	
Oxygen Tanks	315	
Cannulas	312	
Electronic Health Record (EHR)	207	
Ability to Lift 41-50 lbs.	133	
Teaching/Training, Job	131	
Epic Systems	112	
Medical Terminology	108	
Ability to Lift 51-100 lbs.	104	

Job Titles

Job Title	Active Job Ads	
State Tested Nursing Assistant - STNA	150	
Patient Care Assistant	74	
Certified Nursing Assistant - CNA	62	
STNA	57	
STNA - State Tested Nursing Assistant	56	
CNA / STNA for Skilled Nursing Care	54	
CNA - Certified Nursing Assistant	44	
Certified Nursing Assistant	31	
Certified Medication Aide (KMA)	29	
Patient Care Assistant (PCA) - Med Surg	25	

Education Levels

Minimum Education Level	Active Job Ads	
High school diploma or equivalent	1,734	
Bachelor's degree	38	
Associate's degree	8	
Unspecified/other	1,616	

Programs

Program Name	Active Job Ads	
Nursing	403	
Counseling	2	
Education	2	
Electronics	2	
General Studies	2	
Medical	2	
Accounting	1	
Biology	1	
Health Services	1	
Pharmacy	1	

Occupation Gaps

Supply Deficit   Supply Surplus

Nursing Assistants ($36,300)

−21
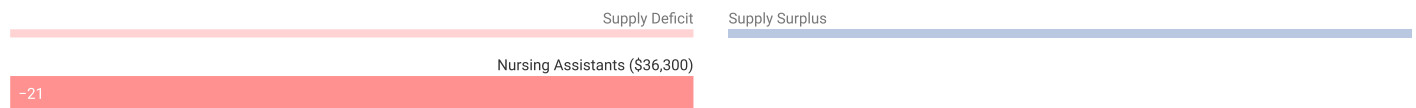
The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has 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
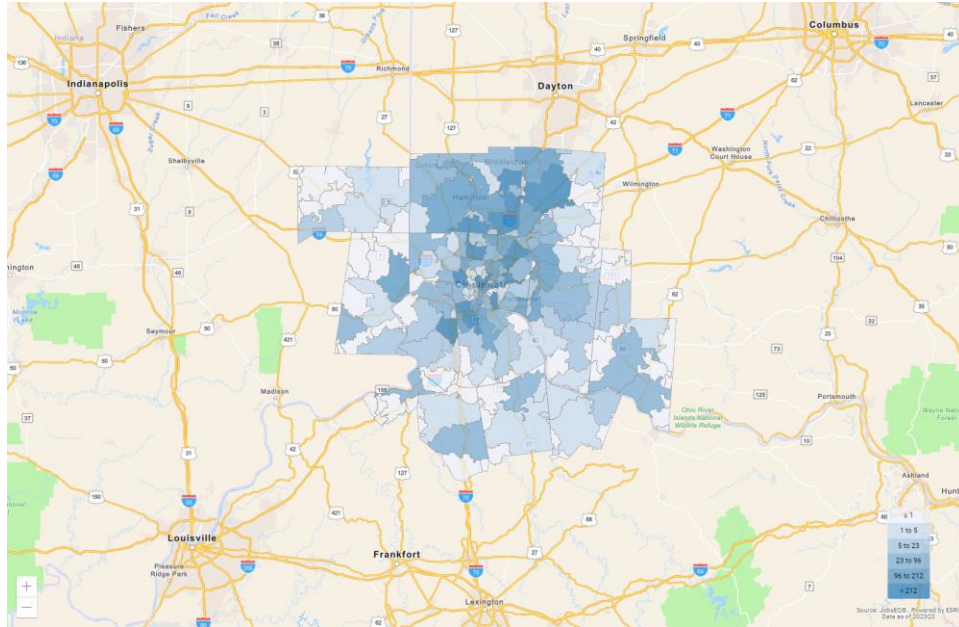
Top ZCTAs by Place of Work for Nursing Assistants, 2023Q3

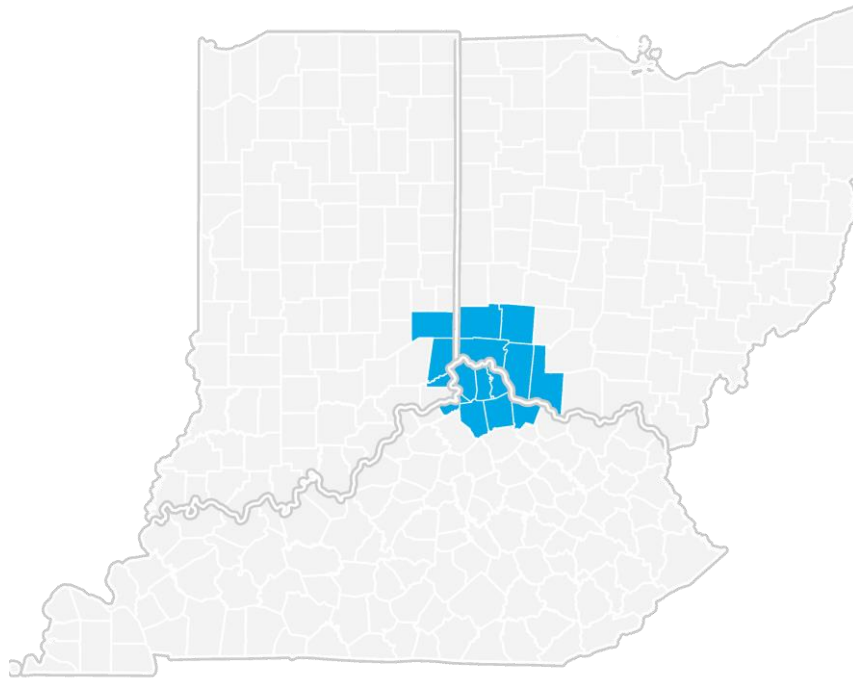| Region	Employment
ZCTA 45229	1,137
ZCTA 45242	712
ZCTA 45220	598
ZCTA 41017	426
ZCTA 45069 (Butler County, Ohio portion)	396
ZCTA 45236	370
ZCTA 45219	370
ZCTA 41042 (Boone County, Kentucky portion)	335
ZCTA 45014	289
ZCTA 45211	250
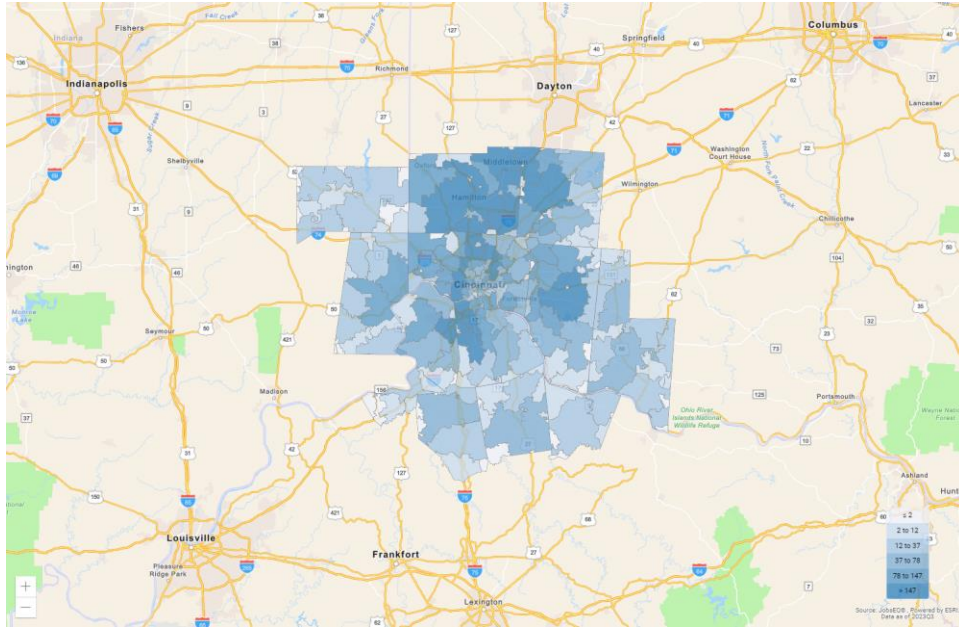
Top ZCTAs by Place of Residence for Nursing Assistants, 2023Q3

Region	Employment
ZCTA 45011	372
ZCTA 45238	346
ZCTA 45013 (Butler County, Ohio portion)	311
ZCTA 45231	285
ZCTA 45211	284
ZCTA 45005 (Warren County, Ohio portion)	247
ZCTA 45239	235
ZCTA 45044 (Butler County, Ohio portion)	231
ZCTA 45103	214
ZCTA 41042 (Boone County, Kentucky portion)	193

"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.