



Appalachian Power Company-Served Tennessee Counties



BOUNDLESS ENERGY™

1 Riverside Plaza, 12th Floor
Columbus, Ohio 43215

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Report Parameters

4 Counties

47073	Hawkins County, TN	47163	Sullivan County, TN
47091	Johnson County, TN	47179	Washington County, TN

Class of Worker

QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen geographical areas.

Economy Overview

371,081

Population (2022)

Population **grew by 11,776** over the last 5 years and is projected to **grow by 11,519** over the next 5 years.

158,472

Total Regional Employment

Jobs **decreased by 1,282** over the last 5 years but are projected to **grow by 8,931** over the next 5 years.

\$63.2K

Avg. Earnings Per Job (2022)

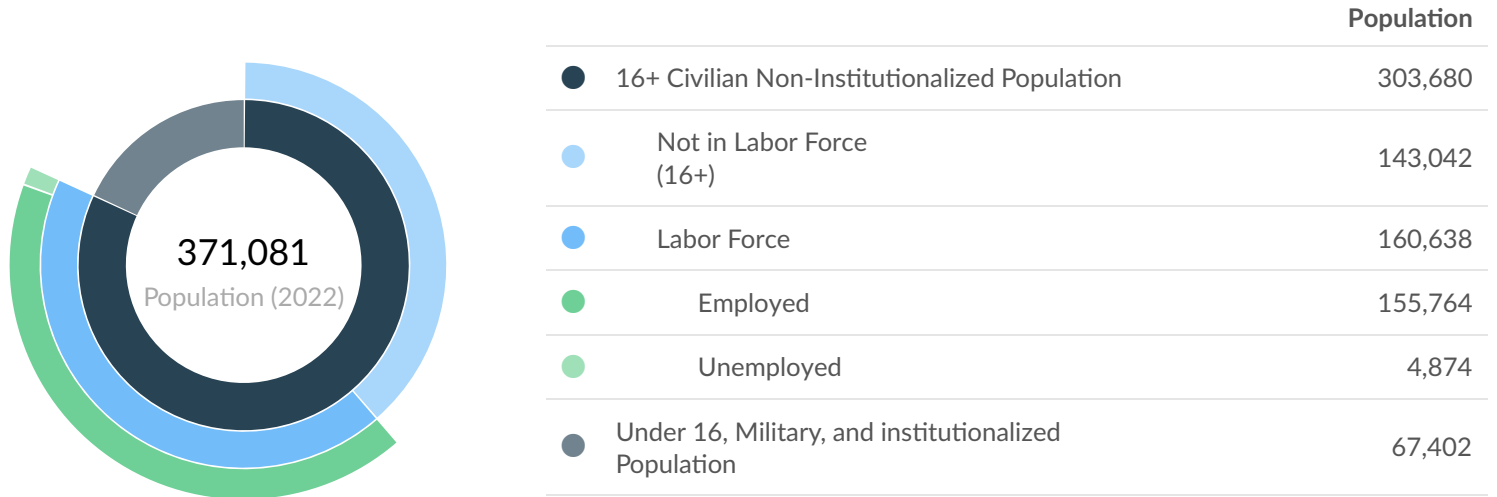
Regional average earnings per job are **\$16.6K below** the national average earnings of \$79.8K per job.

Takeaways

- As of 2022 the region's population **increased by 3.3%** since 2017, growing by 11,776. Population is expected to **increase by 3.1%** between 2022 and 2027, adding 11,519.
- From 2017 to 2022, jobs **declined by 0.8%** in Appalachian Power Company-Served Tennessee Counties from 159,754 to **158,472**. This change **fell short of the national growth rate of 2.4% by 3.2%**. As the number of jobs declined, the **labor force participation rate decreased from 55.2% to 52.9% between 2017 and 2022**.
- Concerning educational attainment, **16.3% of the selected regions' residents possess a Bachelor's Degree** (4.5% below the national average), and **8.4% hold an Associate's Degree** (0.5% below the national average).
- The top three industries in 2022 are Restaurants and Other Eating Places, Education and Hospitals (Local Government), and Offices of Physicians.

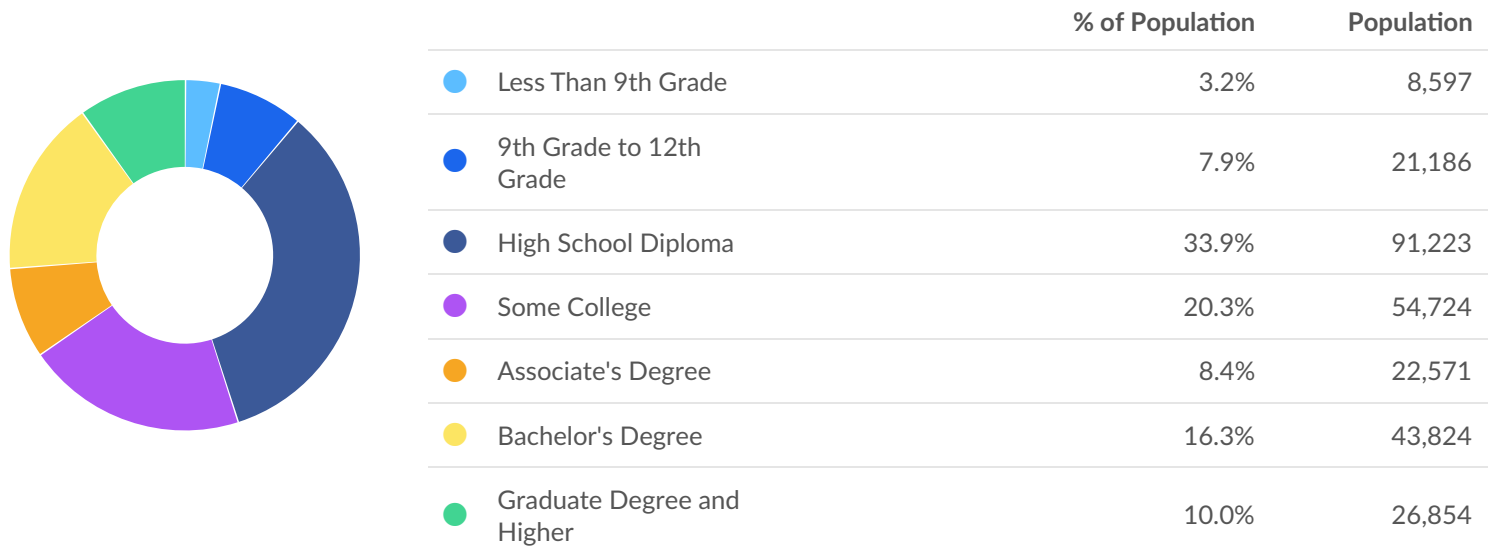
	Population (2022)	Labor Force (Sep 2022)	Jobs (2022)	Cost of Living	GRP	Imports	Exports
Region	371,081	160,638	158,472	92.2	\$19.62B	\$23.16B	\$26.21B
PSO-Served Oklahoma Counties	1,838,697	843,515	785,169	92.3	\$99.11B	\$107.72B	\$116.70B
Southwestern Electric Power Company-Served Arkansas Counties	871,227	416,668	427,180	91.6	\$50.48B	\$60.10B	\$55.30B
Indiana Michigan Power- Served Michigan Counties	598,825	290,197	244,711	92.5	\$32.96B	\$39.97B	\$36.29B
Indiana Michigan Power- Served Indiana Counties	2,240,330	1,094,493	1,071,085	94.3	\$134.07B	\$155.63B	\$165.74B
AEP Ohio-Served Counties	5,567,639	2,712,647	2,629,446	91.6	\$344.50B	\$320.35B	\$363.21B
Ohio	11,836,183	5,734,809	5,896,111	92.4	\$783.45B	\$631.33B	\$781.34B
Michigan	10,094,534	4,867,566	4,675,667	91.6	\$606.52B	\$528.26B	\$600.96B
Indiana	6,845,871	3,370,636	3,399,907	95.2	\$424.97B	\$434.17B	\$510.01B
Washington	7,822,953	4,006,420	3,941,429	115.0	\$690.90B	\$484.87B	\$668.76B

Sep 2022 Labor Force Breakdown



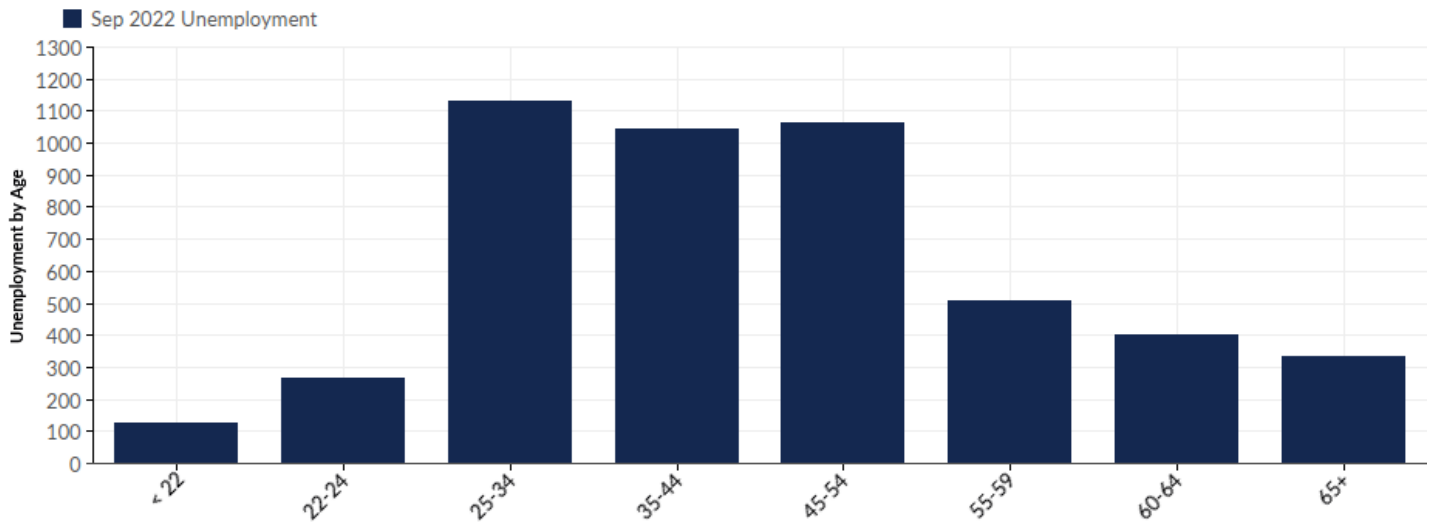
Educational Attainment

Concerning educational attainment, **16.3% of the selected regions' residents possess a Bachelor's Degree** (4.5% below the national average), and **8.4% hold an Associate's Degree** (0.5% below the national average).



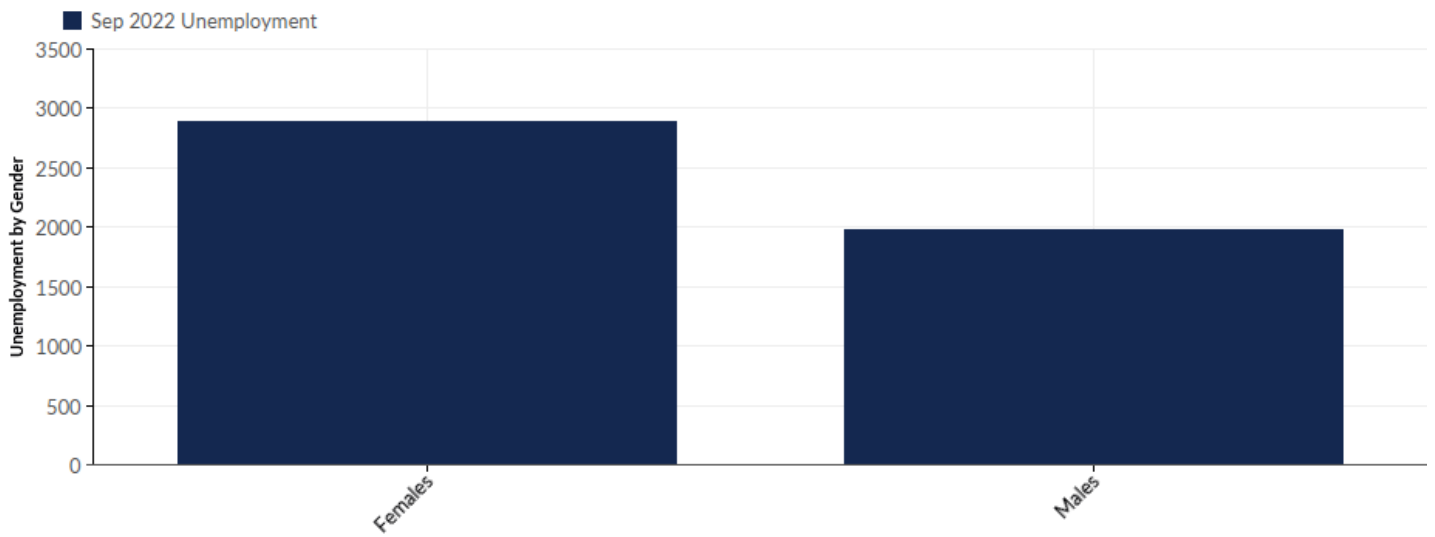
Unemployment by Demographics

Unemployment by Age



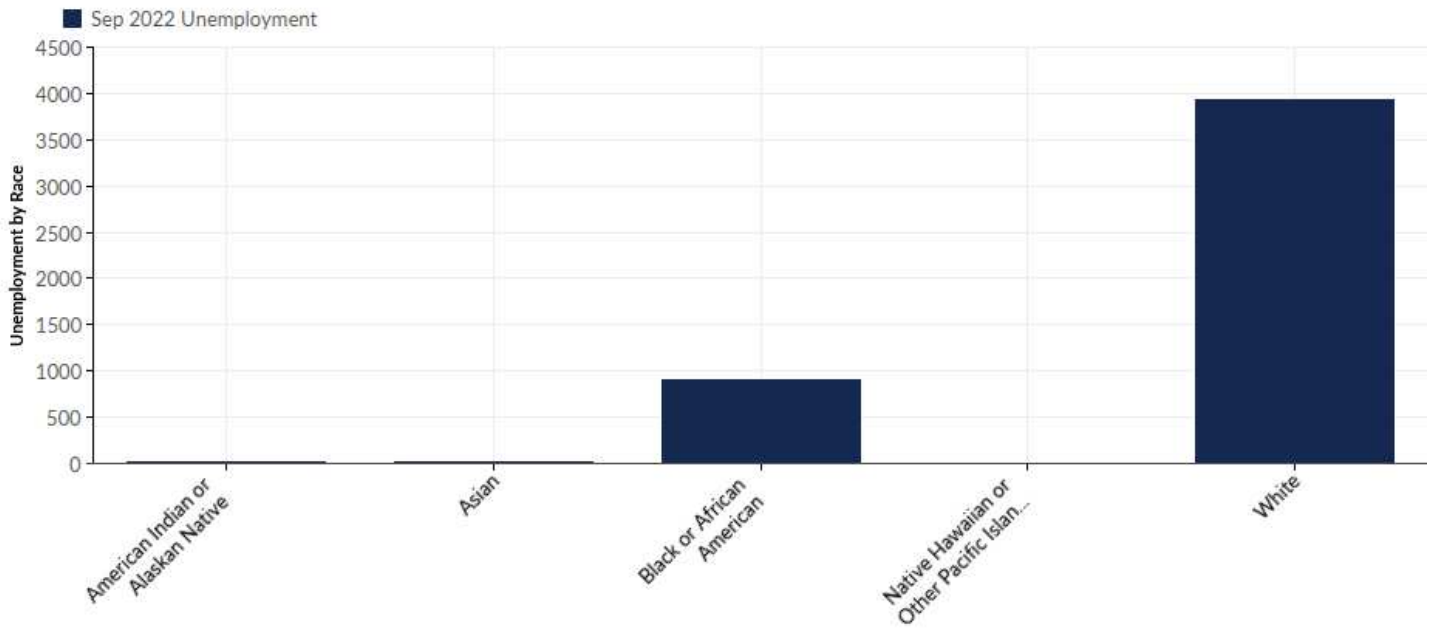
Age	Unemployment (Sep 2022)	% of Unemployed
< 22	126	2.59%
22-24	265	5.44%
25-34	1,131	23.20%
35-44	1,046	21.46%
45-54	1,061	21.77%
55-59	508	10.42%
60-64	401	8.23%
65+	335	6.87%
Total	4,874	100.00%

Unemployment by Gender



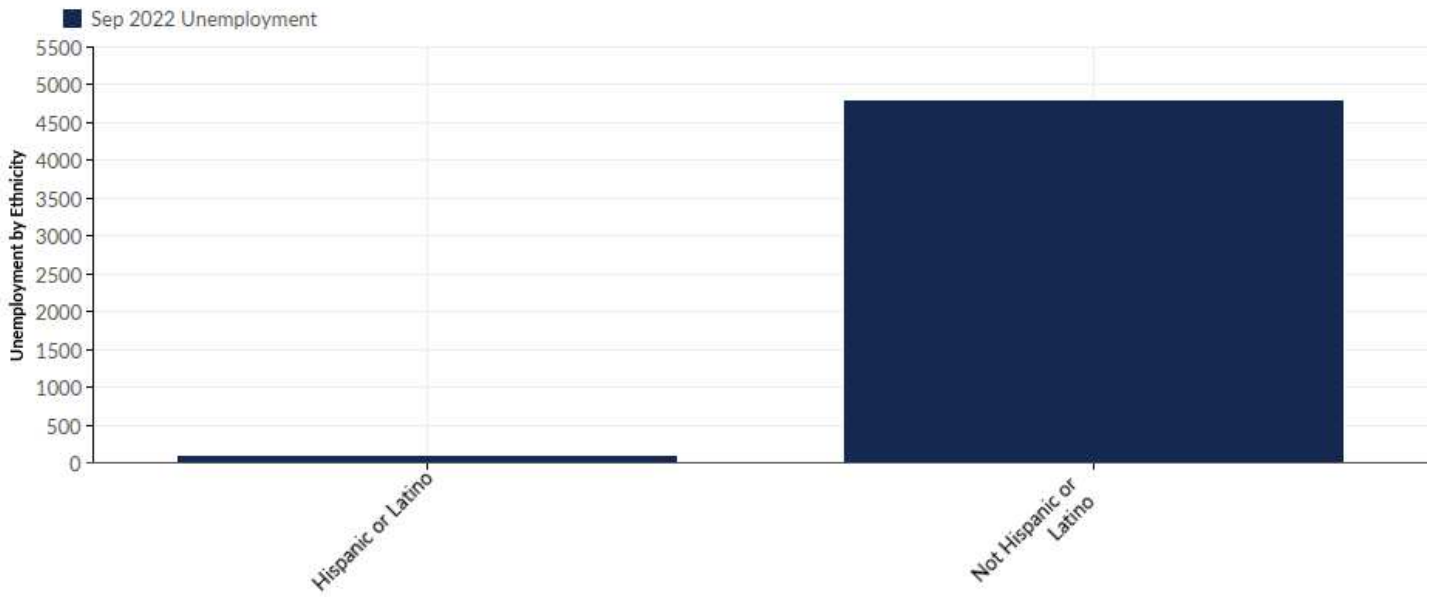
Gender	Unemployment (Sep 2022)	% of Unemployed
Females	2,894	59.38%
Males	1,980	40.62%
Total	4,874	100.00%

Unemployment by Race



Race	Unemployment (Sep 2022)	% of Unemployed
American Indian or Alaskan Native	16	0.33%
Asian	18	0.37%
Black or African American	903	18.53%
Native Hawaiian or Other Pacific Islander	5	0.10%
White	3,933	80.69%
Total	4,874	100.00%

Unemployment by Ethnicity

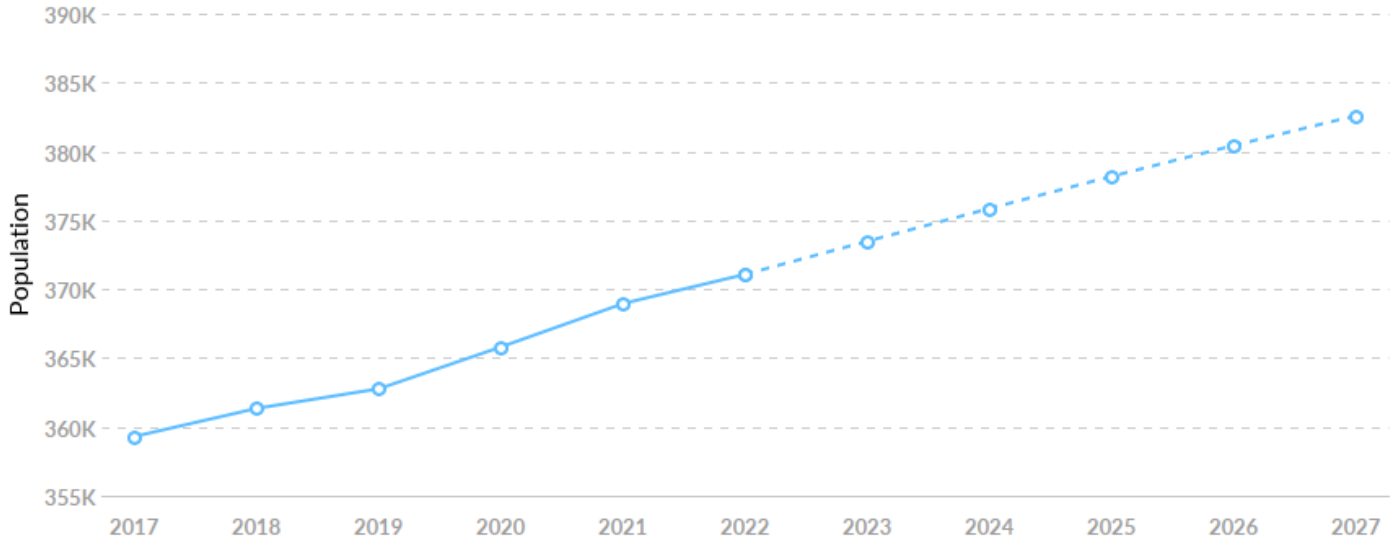


Ethnicity	Unemployment (Sep 2022)	% of Unemployed
Hispanic or Latino	92	1.89%
Not Hispanic or Latino	4,782	98.11%
Total	4,874	100.00%

Historic & Projected Trends

Population Trends

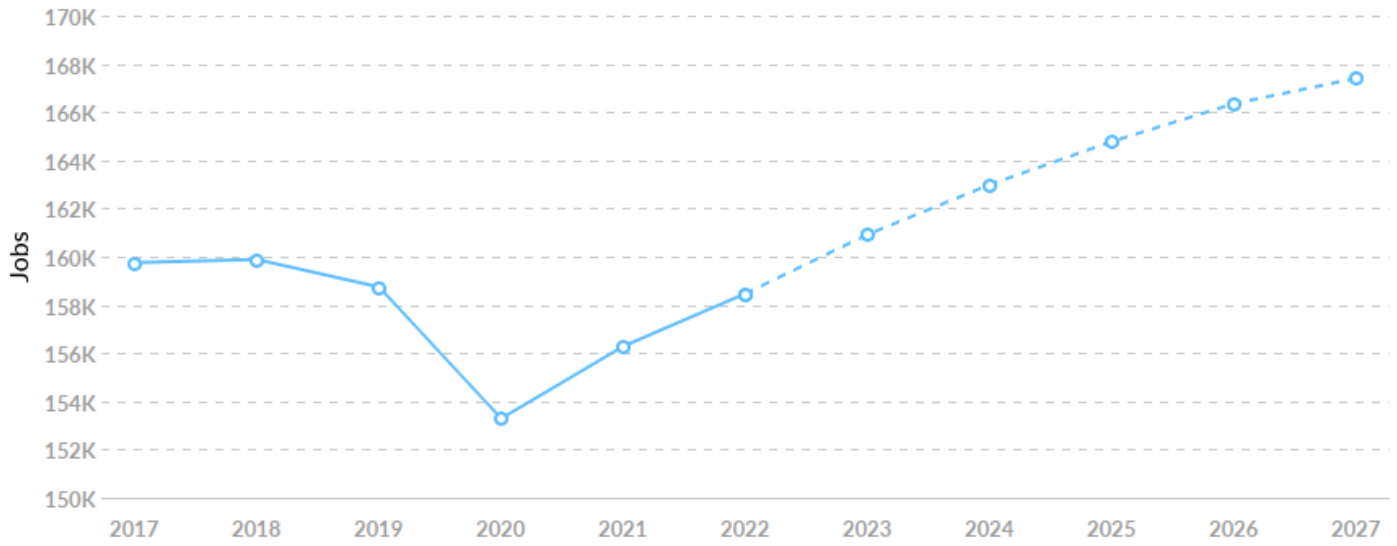
As of 2022 the region's population increased by 3.3% since 2017, growing by 11,776. Population is expected to increase by 3.1% between 2022 and 2027, adding 11,519.



Timeframe	Population
2017	359,305
2018	361,343
2019	362,767
2020	365,807
2021	368,959
2022	371,081
2023	373,481
2024	375,859
2025	378,195
2026	380,437
2027	382,601

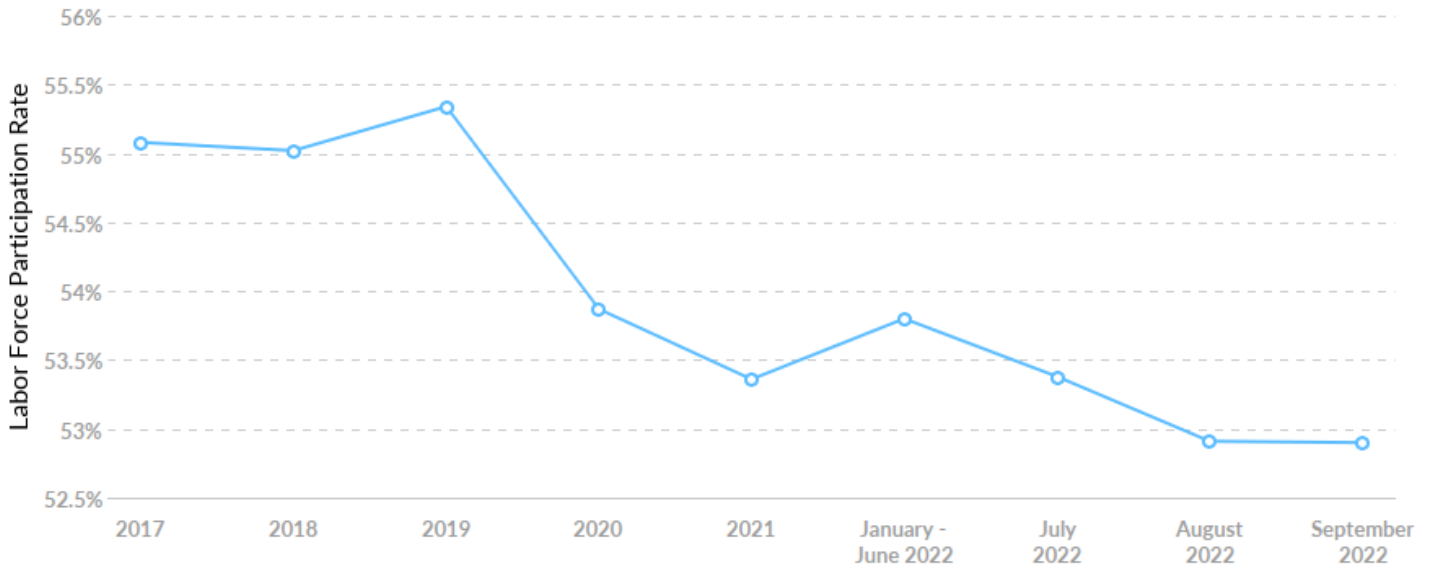
Job Trends

From 2017 to 2022, jobs **declined by 0.8%** in Appalachian Power Company-Served Tennessee Counties from 159,754 to **158,472**. This change **fell short of the national growth rate of 2.4% by 3.2%**.



Timeframe	Jobs
2017	159,754
2018	159,884
2019	158,742
2020	153,286
2021	156,284
2022	158,472
2023	160,925
2024	162,989
2025	164,781
2026	166,351
2027	167,403

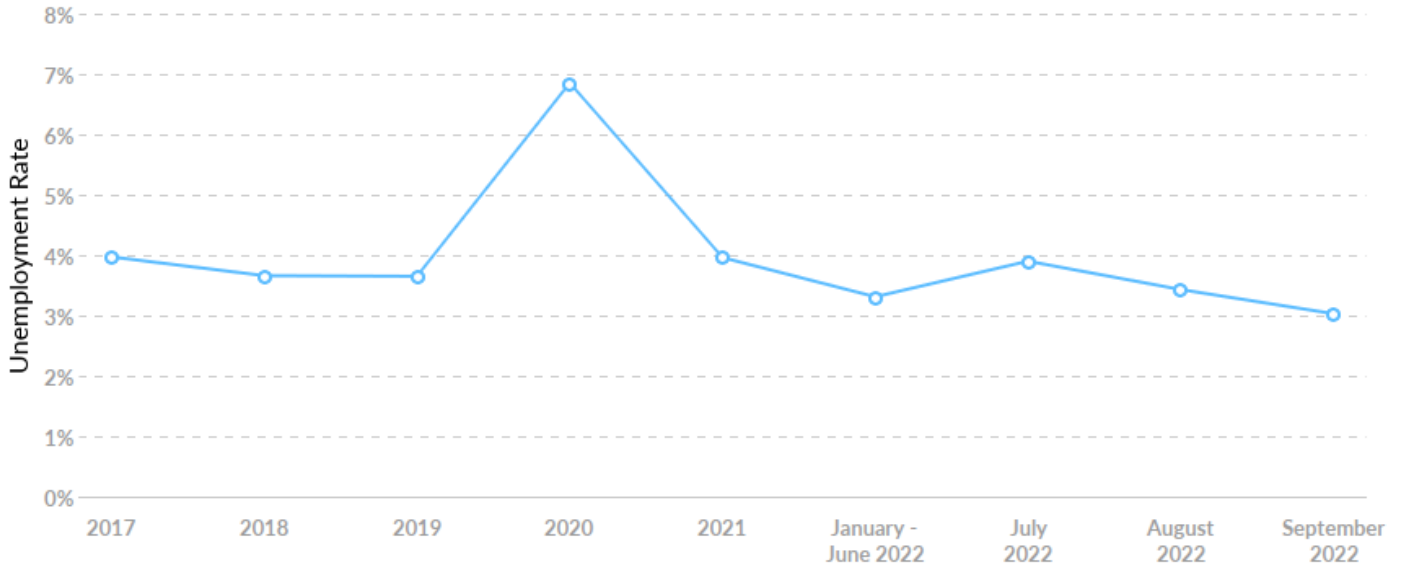
Labor Force Participation Rate Trends



Timeframe	Labor Force Participation Rate
2017	55.08%
2018	55.02%
2019	55.34%
2020	53.87%
2021	53.36%
January - June 2022	53.80%
July 2022	53.38%
August 2022	52.91%
September 2022	52.90%

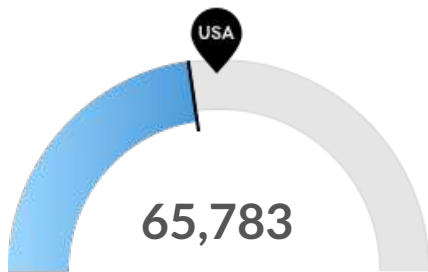
Unemployment Rate Trends

Your areas had a September 2022 unemployment rate of 3.03%, **decreasing from 3.97%** 5 years before.



Timeframe	Unemployment Rate
2017	3.97%
2018	3.66%
2019	3.65%
2020	6.85%
2021	3.96%
January - June 2022	3.31%
July 2022	3.90%
August 2022	3.43%
September 2022	3.03%

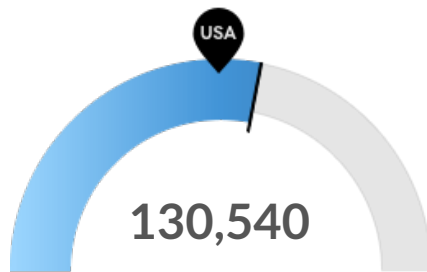
Population Characteristics



65,783

Millennials

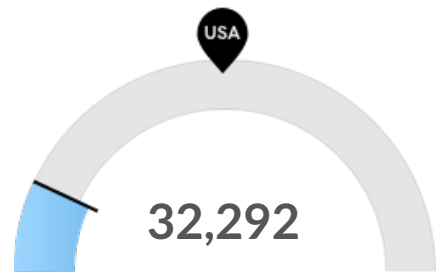
Your area has 65,783 millennials (ages 25-39). The national average for an area this size is 75,366.



130,540

Retiring Soon

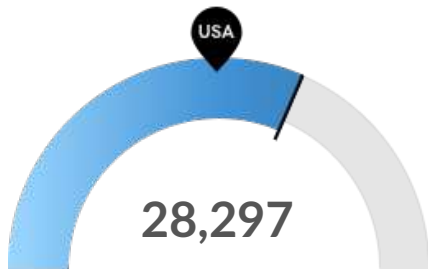
Retirement risk is high in your area. The national average for an area this size is 109,668 people 55 or older, while there are 130,540 here.



32,292

Racial Diversity

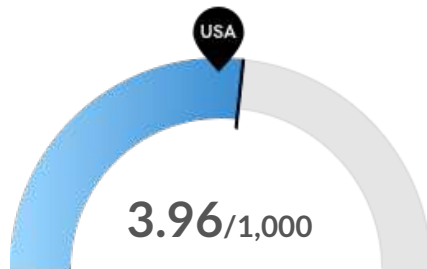
Racial diversity is low in your area. The national average for an area this size is 150,144 racially diverse people, while there are 32,292 here.



28,297

Veterans

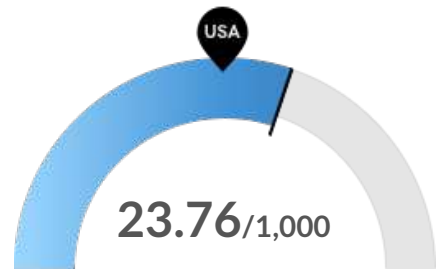
Your area has 28,297 veterans. The national average for an area this size is 19,681.



3.96/1,000

Violent Crime

Your area has 3.96 violent crimes per 1,000 people. The national rate is 3.59 per 1,000 people.



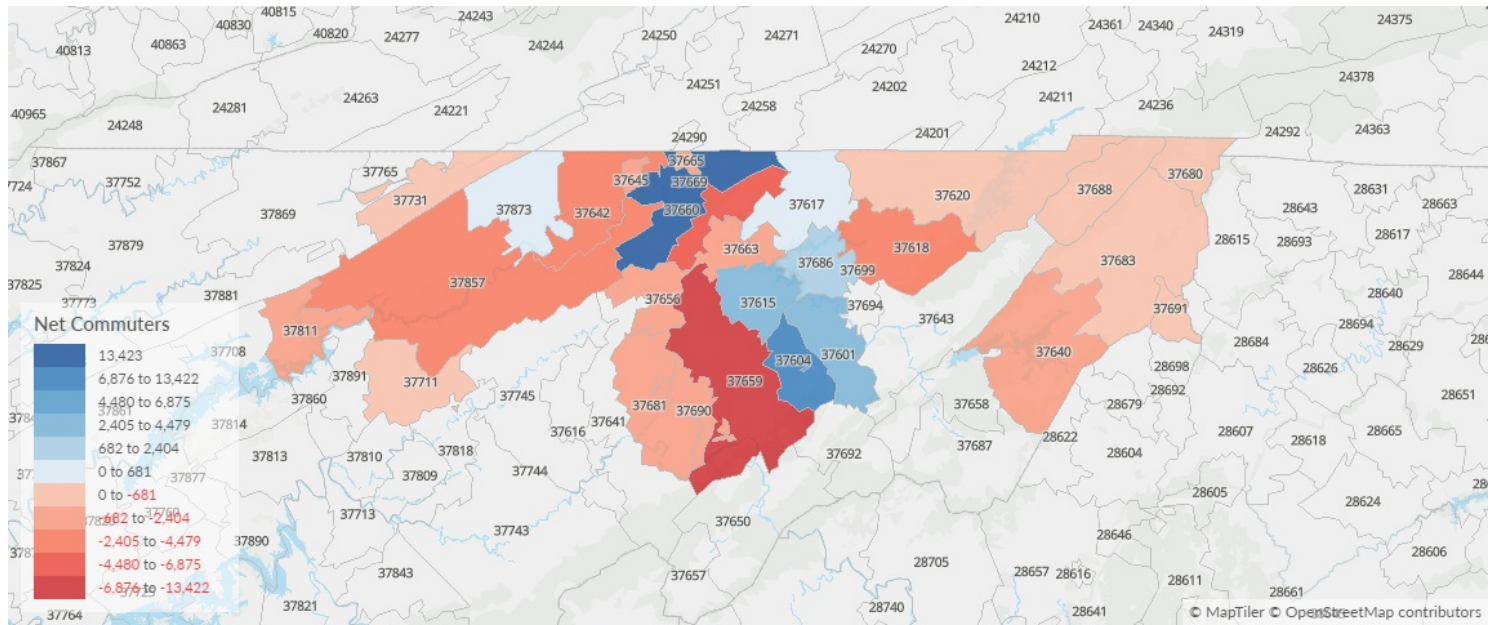
23.76/1,000

Property Crime

Your area has 23.76 property crimes per 1,000 people. The national rate is 17.8 per 1,000 people.

Place of Work vs Place of Residence

Understanding where talent in the region currently works compared to where talent lives can help you optimize site decisions. For example, the #1 ranked ZIP for employment ranks #3 for resident workers. The top ZIP for resident workers is 37620.



Where Talent Works

Where Talent Lives

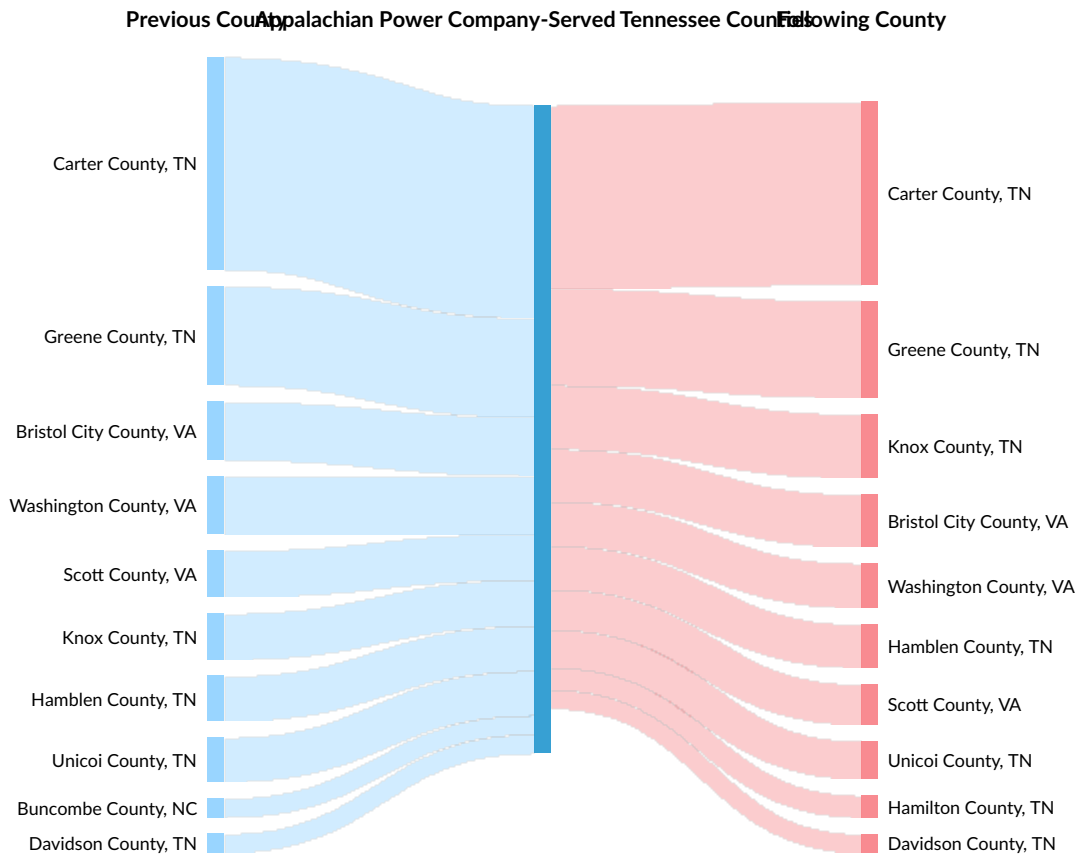
ZIP	Name	2022 Employment
37660	Kingsport, TN (in Sullivan c...)	29,209
37604	Johnson City, TN (in Wa...)	21,953
37601	Johnson City, TN (in Wa...)	19,177
37620	Bristol, TN (in Sullivan c...)	16,828
37615	Johnson City, TN (in Wa...)	13,525

ZIP	Name	2022 Workers
37620	Bristol, TN (in Sullivan c...)	17,422
37601	Johnson City, TN (in Wa...)	15,955
37660	Kingsport, TN (in Sullivan...)	15,786
37604	Johnson City, TN (in Wa...)	15,077
37659	Jonesborough, TN (in W...)	12,636

Inbound and Outbound Migration

The table below analyzes past and current residents of Appalachian Power Company-Served Tennessee Counties. The left column shows residents of other counties migrating to Appalachian Power Company-Served Tennessee Counties. The right column shows residents migrating from Appalachian Power Company-Served Tennessee Counties to other counties.

As of 2020, **1,496** people have migrated from Carter County, TN to Appalachian Power Company-Served Tennessee Counties. In the same year, **1,288** people left Appalachian Power Company-Served Tennessee Counties migrating to Carter County, TN. The total Net Migration for Appalachian Power Company-Served Tennessee Counties in 2020 was **2,930**.



Top Previous Counties

Migrations

Carter County, TN	1,496
Greene County, TN	696
Bristol City County, VA	411
Washington County, VA	407
Scott County, VA	327

Top Previous Counties	Migrations
Knox County, TN	325
Hamblen County, TN	317
Unicoi County, TN	311
Buncombe County, NC	134
Davidson County, TN	134
Wise County, VA	100
Mecklenburg County, NC	93
Cook County, IL	90
Hamilton County, TN	90
Watauga County, NC	86
Top Following Counties	Migrations
Carter County, TN	1,288
Greene County, TN	680
Knox County, TN	449
Bristol City County, VA	369
Washington County, VA	313
Hamblen County, TN	305
Scott County, VA	285
Unicoi County, TN	266
Hamilton County, TN	156
Davidson County, TN	132
Grainger County, TN	93
Hillsborough County, FL	93
DeSoto County, MS	89
Beaufort County, SC	89

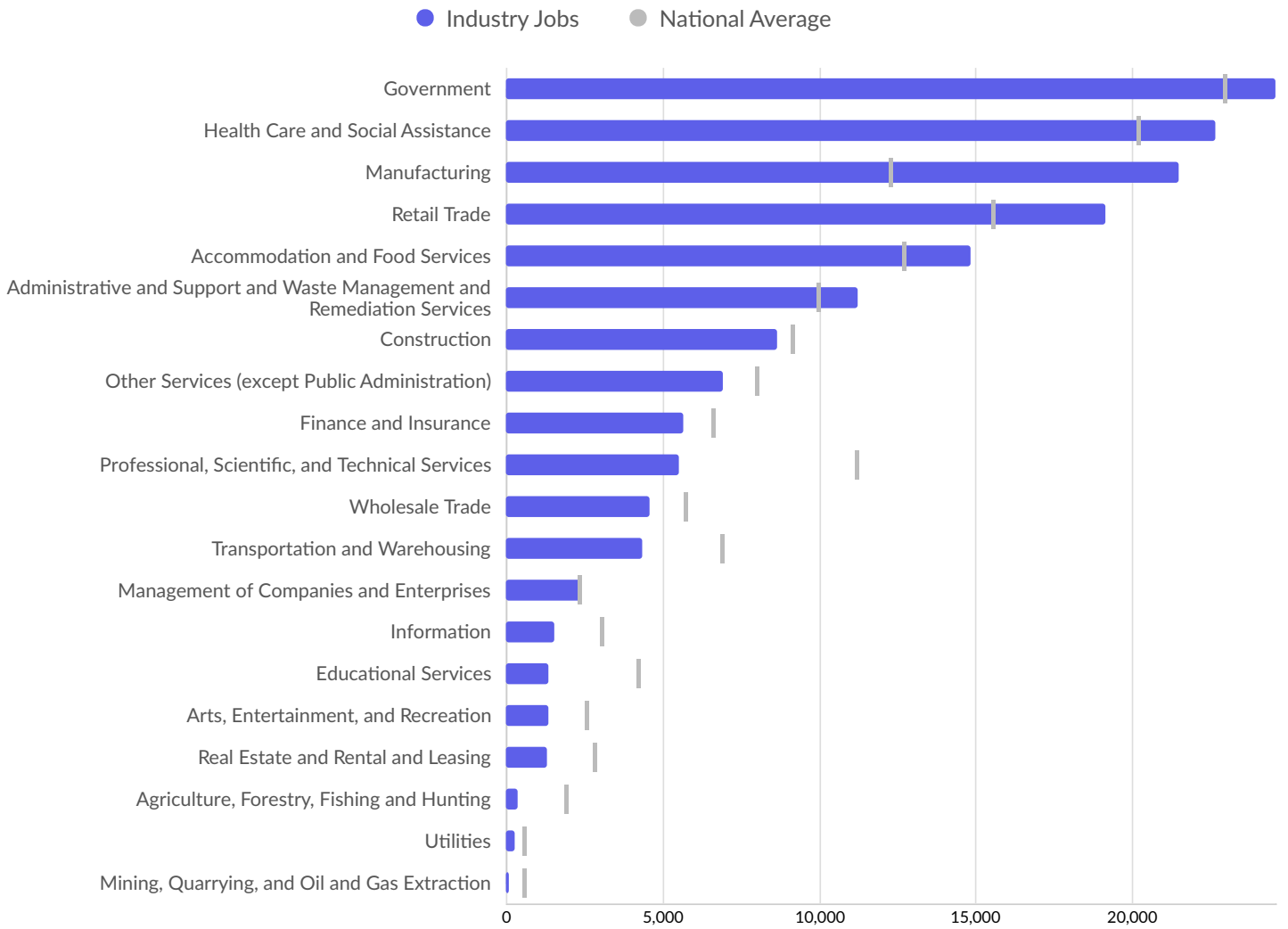
Top Following Counties**Migrations**

Buncombe County, NC

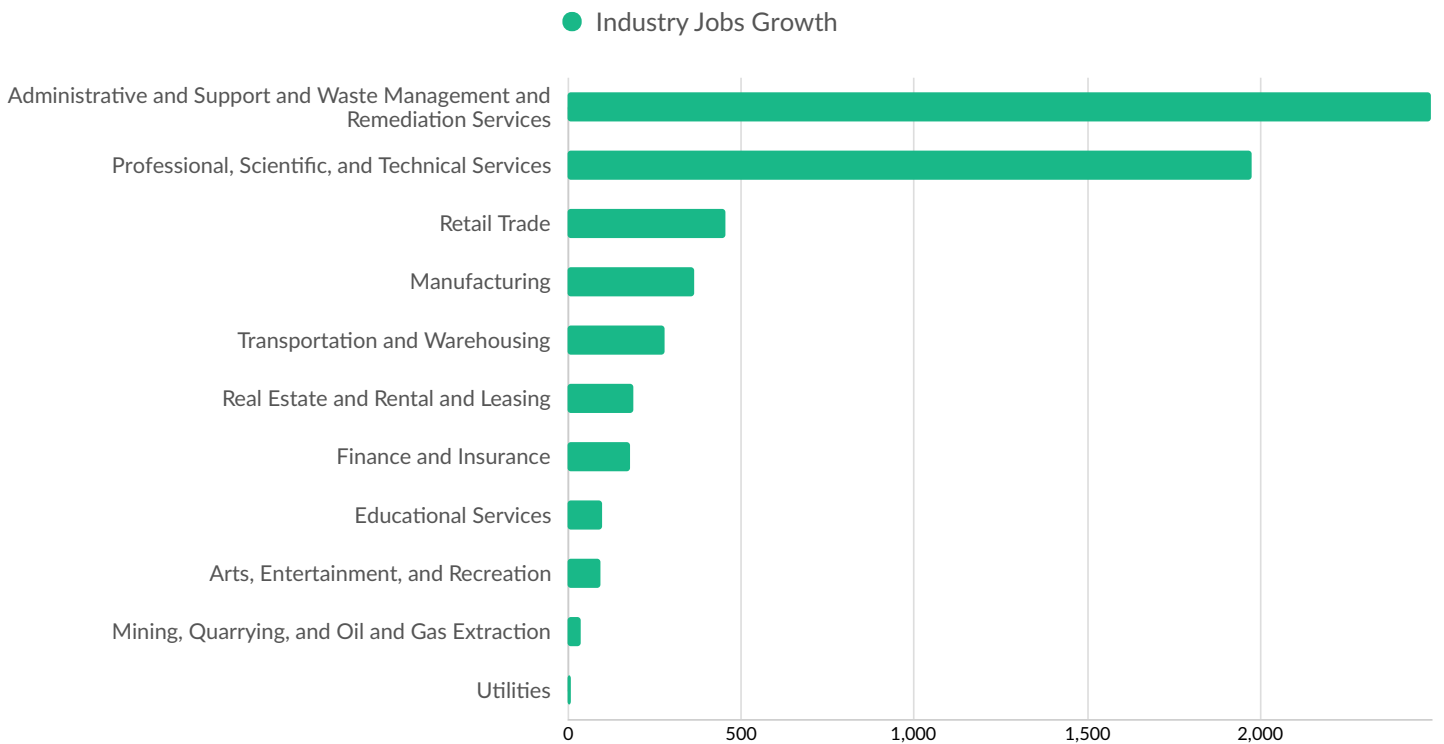
85

Industry Characteristics

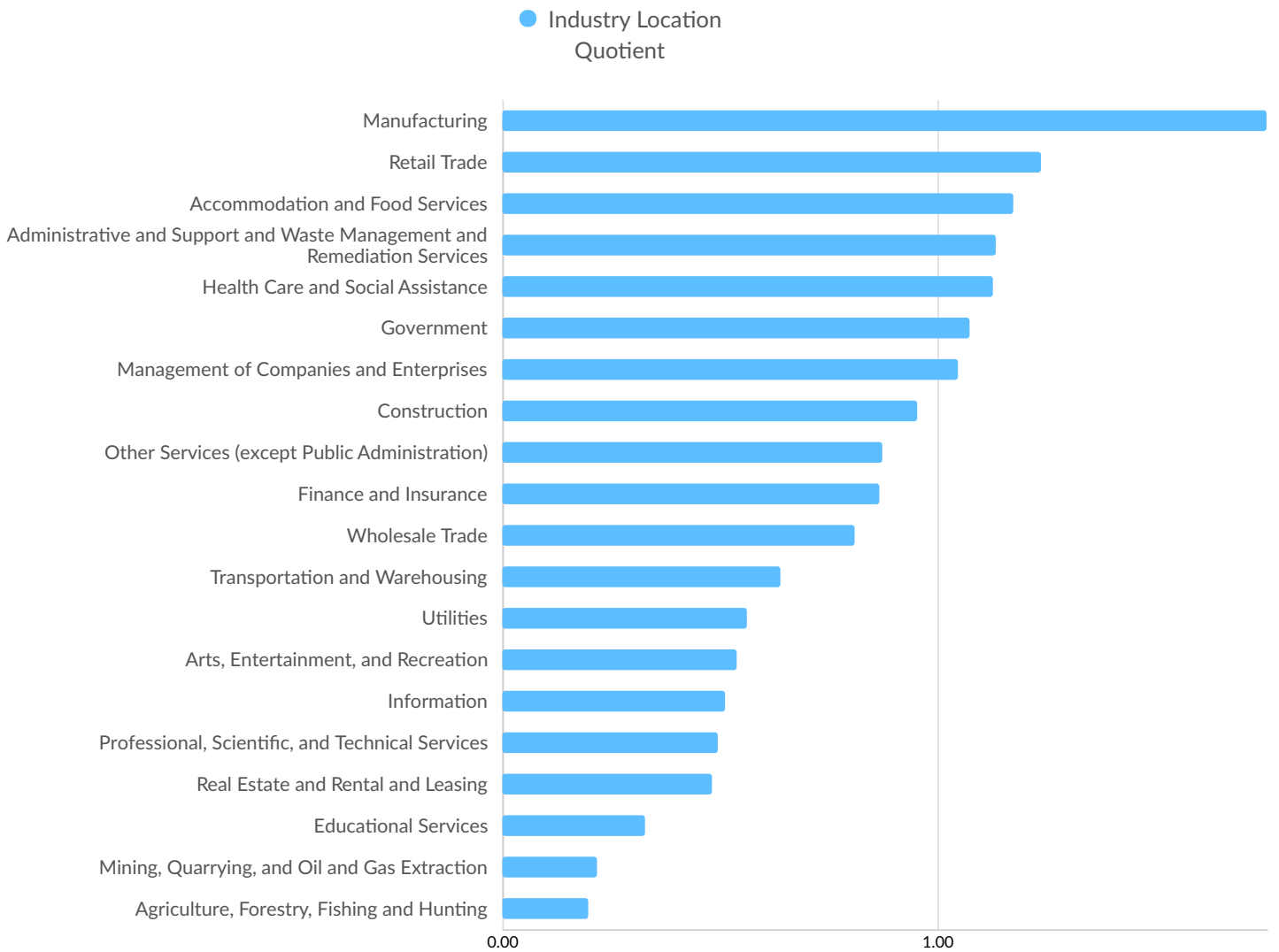
Largest Industries



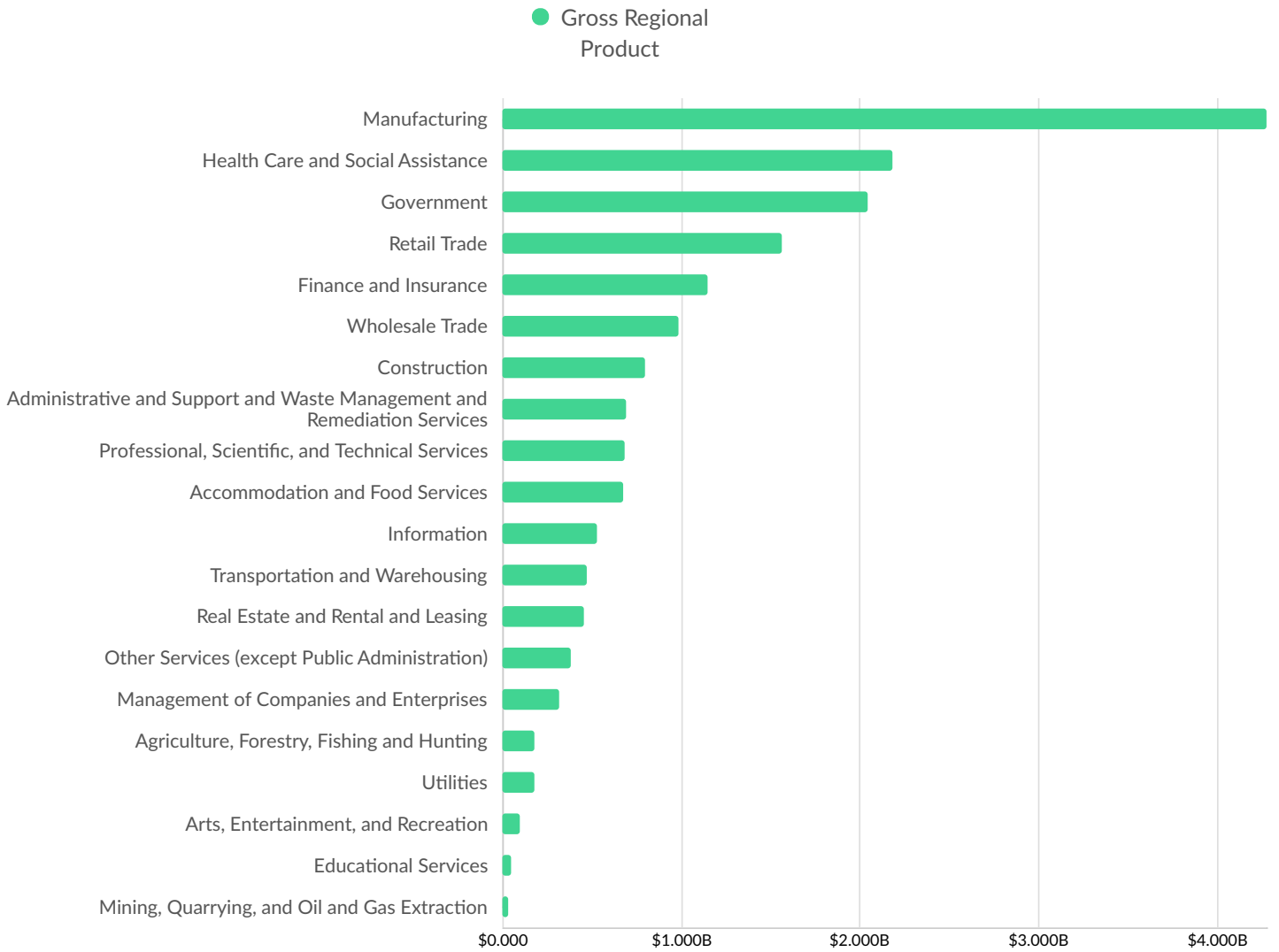
Top Growing Industries



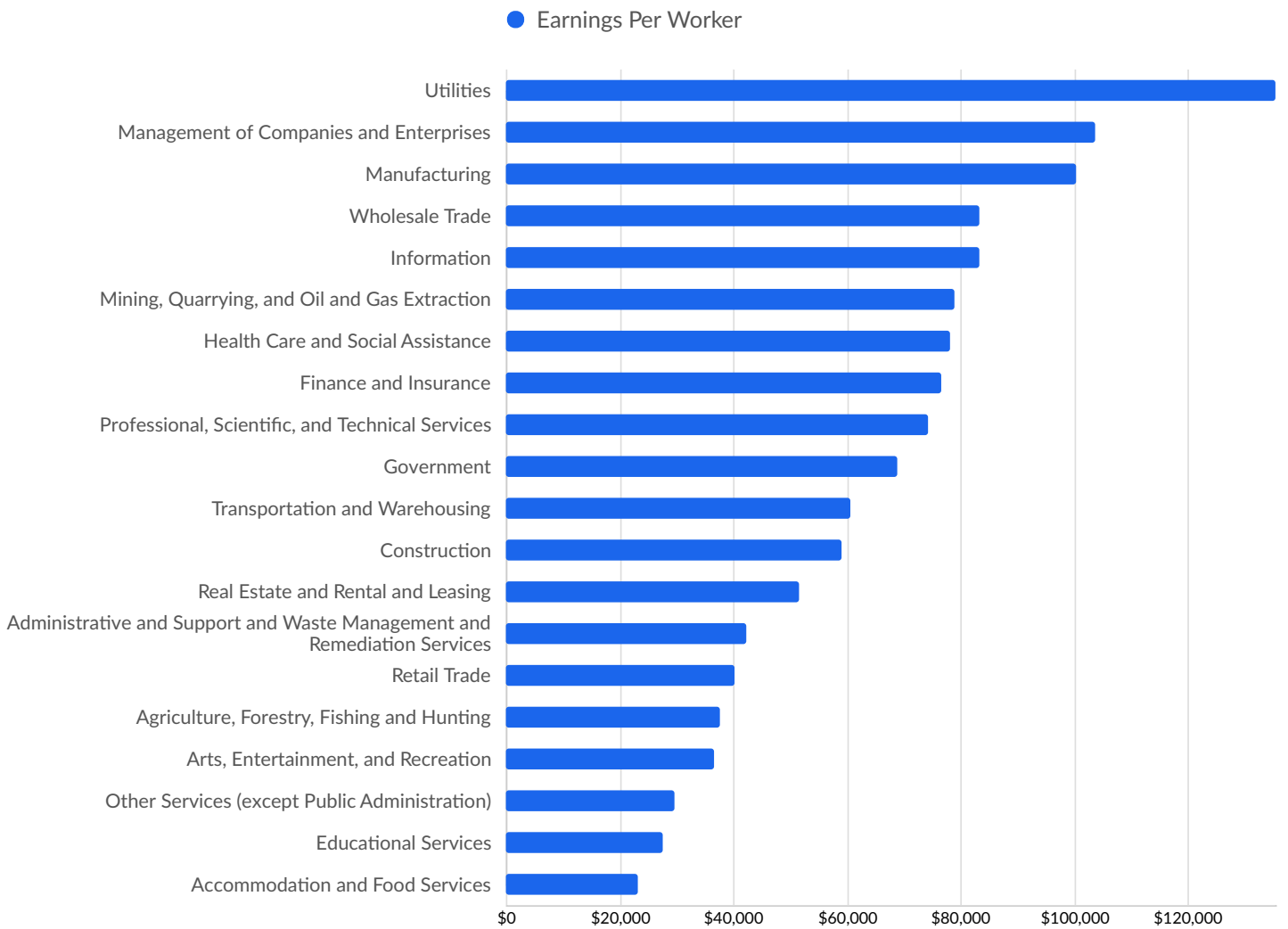
Top Industry Location Quotient



Top Industry GRP























Top Industry Earnings



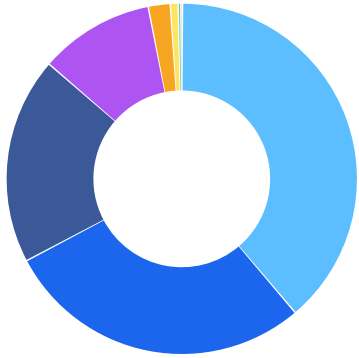
Business Characteristics

19,011 Companies Employ Your Workers

Online profiles for your workers mention 19,011 companies as employers, with the top 10 appearing below. In the last 12 months, 1,565 companies in your area posted job postings, with the top 10 appearing below.

Top Companies	Profiles	Top Companies Posting	Unique Postings
Eastman Chemical	3,973 	Ballad Health	1,662 
East Tennessee State University	2,987 	Food City	1,164 
Ballad Health	1,805 	East Tennessee State University	678 
Wellmont Health System	1,132 	Eastman Chemical	523 
Mountain States Health Alliance	1,097 	Randstad	420 
Walmart	873 	Compass Group	320 
Citigroup	734 	Dollar General	297 
United States Department of Ve...	516 	United States Department of Ve...	264 
Kvat Foods	475 	Walmart	258 
Northeast State Community Col...	448 	Amazon	214 

Business Size

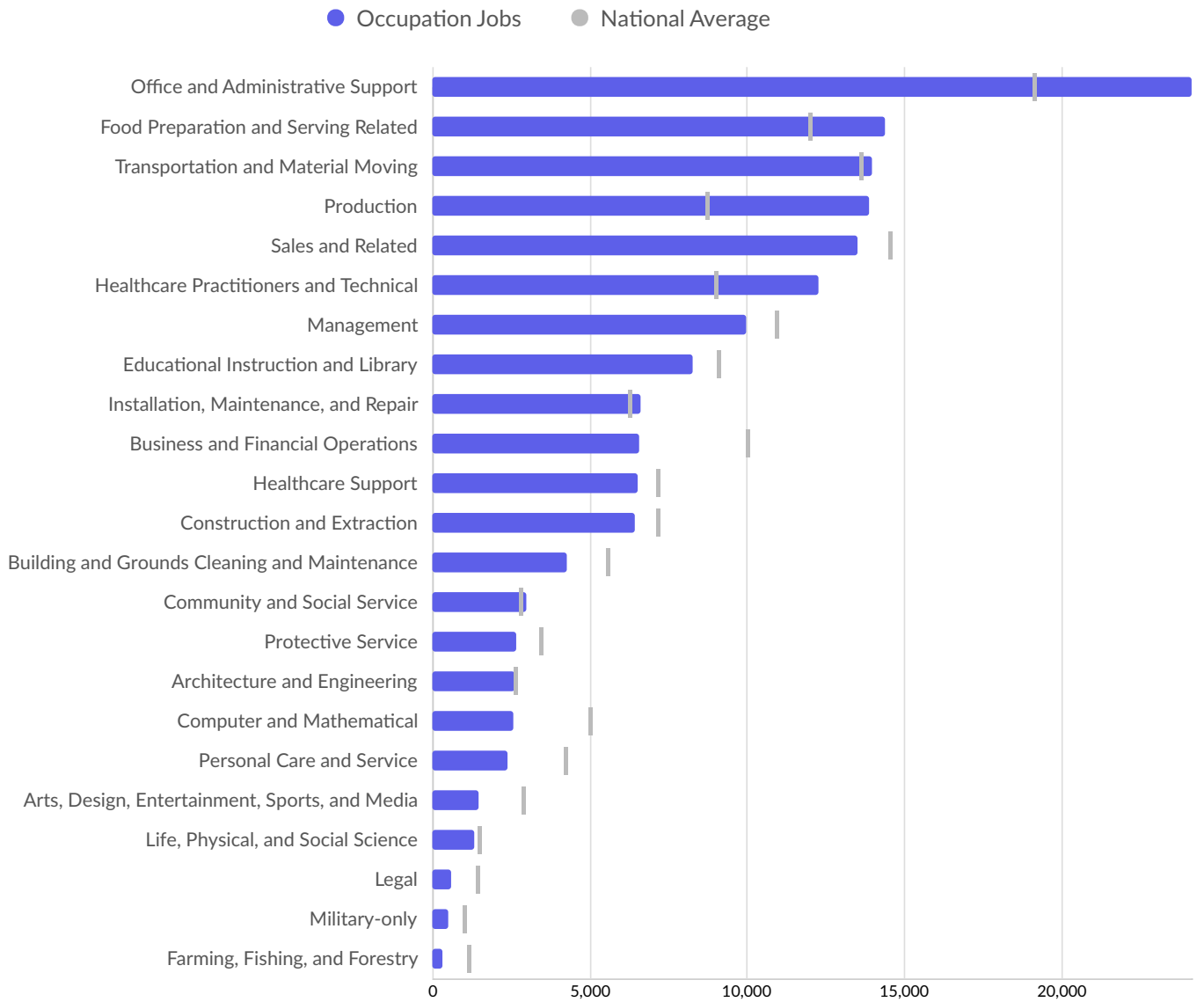


	Percentage	Business Count
● 1 to 4 employees	38.7%	5,193
● 5 to 9 employees	28.5%	3,817
● 10 to 19 employees	19.1%	2,557
● 20 to 49 employees	10.6%	1,419
● 50 to 99 employees	2.0%	271
● 100 to 249 employees	0.7%	97
● 250 to 499 employees	0.2%	32
● 500+ employees	0.2%	21

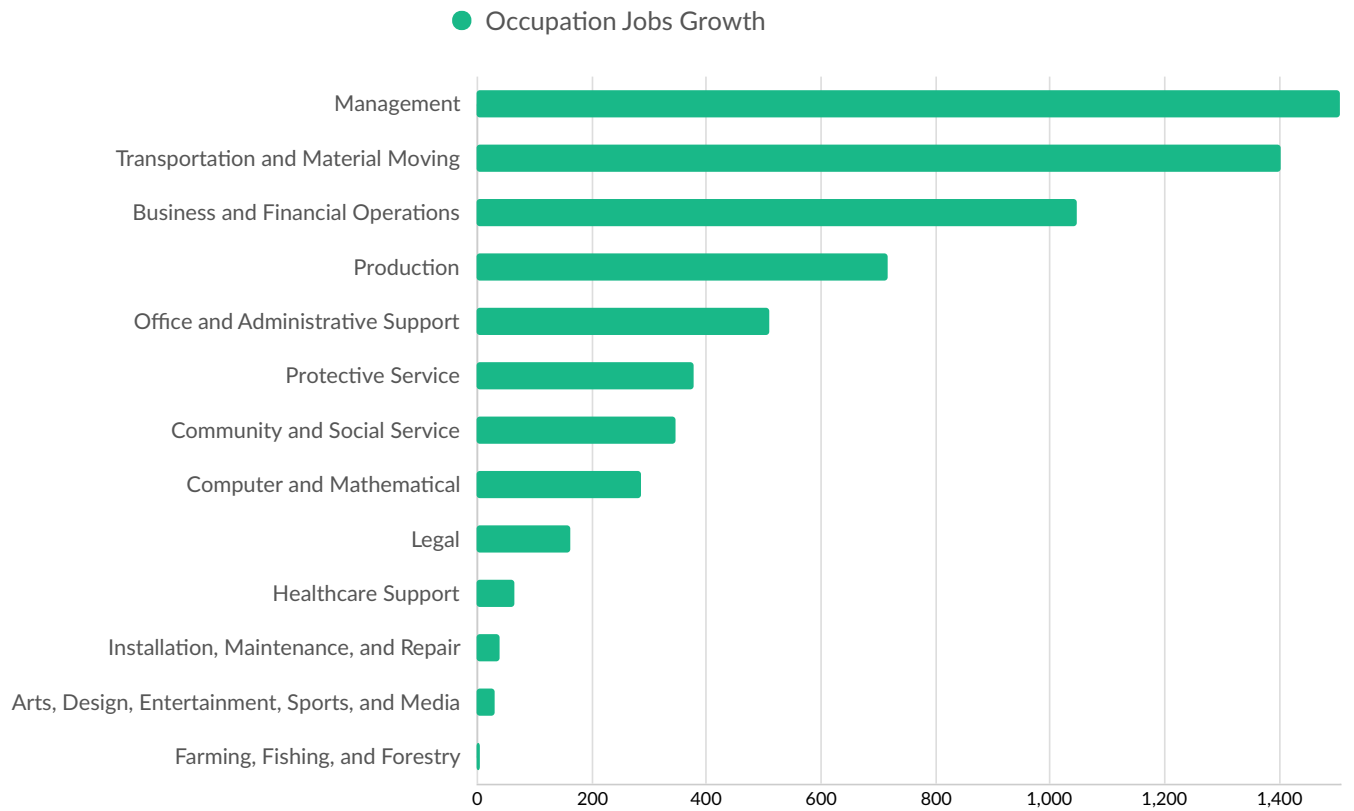
**Business Data by DatabaseUSA.com is third-party data provided by Lightcast to its customers as a convenience, and Lightcast does not endorse or warrant its accuracy or consistency with other published Lightcast data. In most cases, the Business Count will not match total companies with profiles on the summary tab.*

Workforce Characteristics

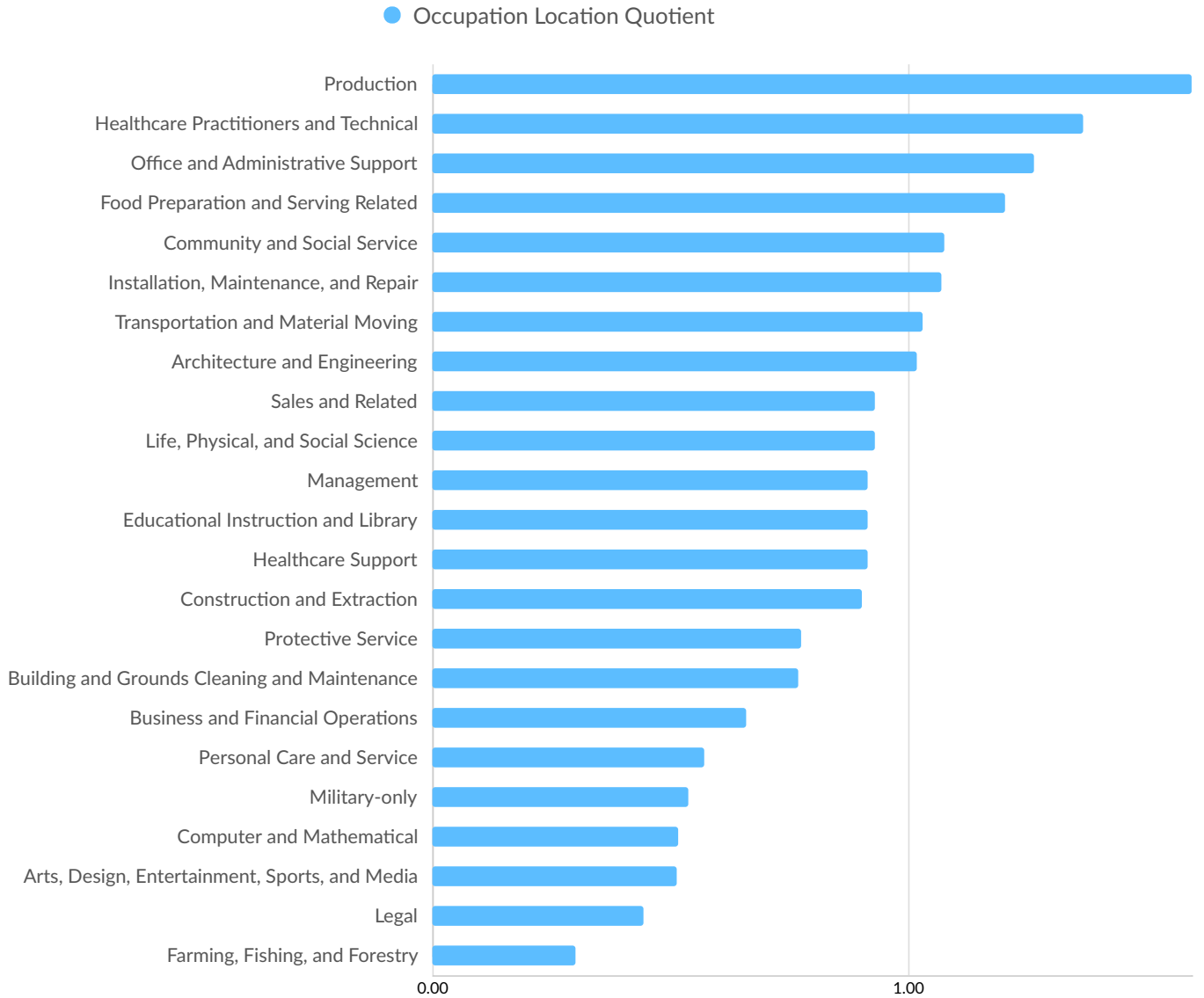
Largest Occupations



Top Growing Occupations



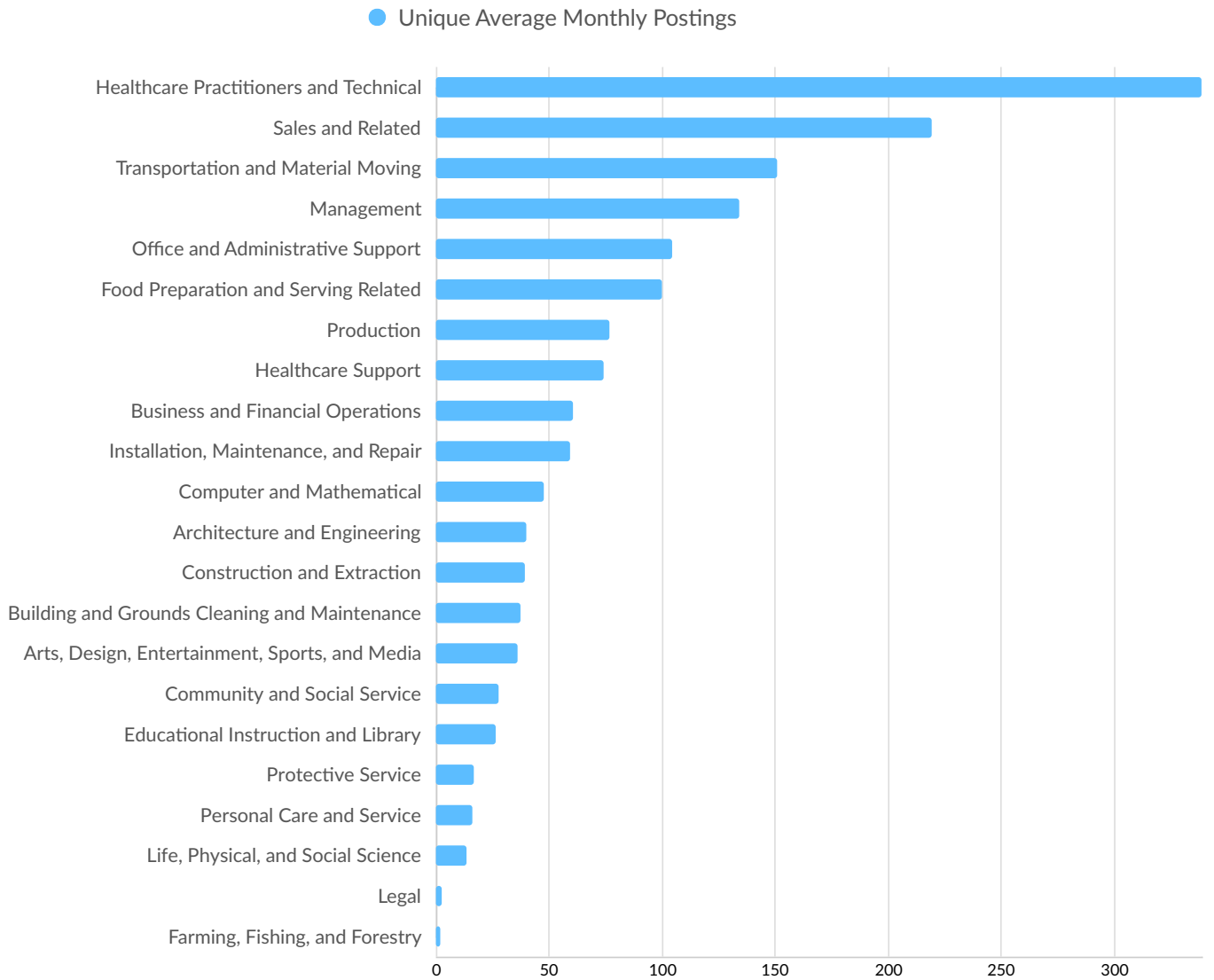
Top Occupation Location Quotient



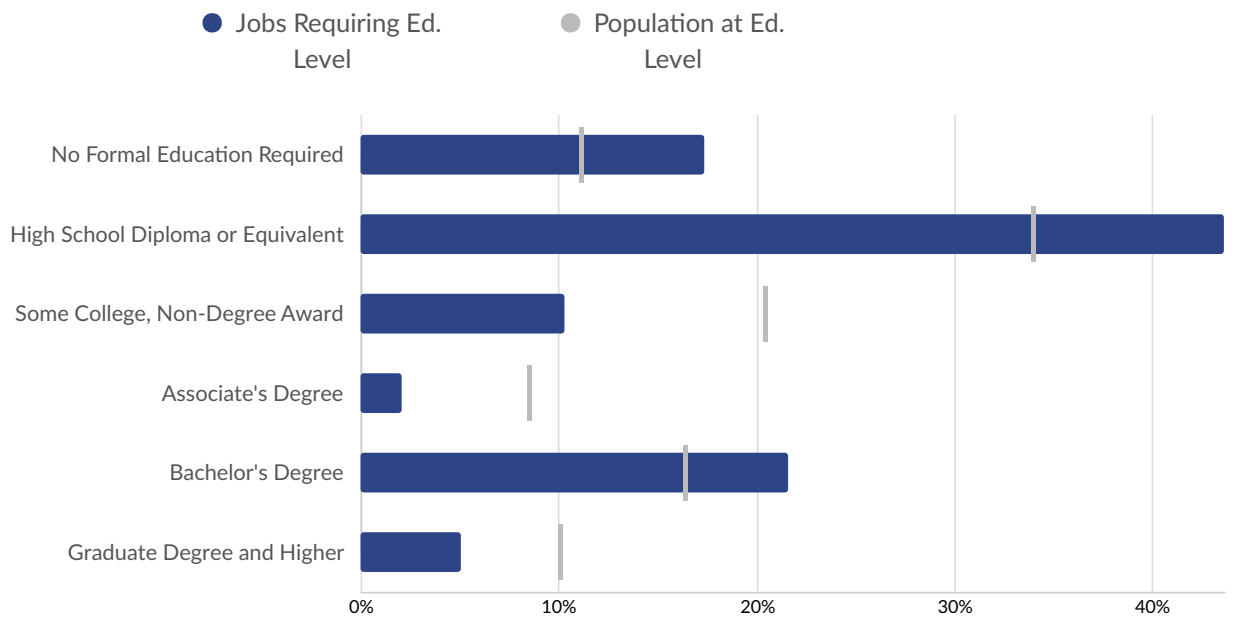
Top Occupation Earnings



Top Posted Occupations



Underemployment



Educational Pipeline

In 2021, there were 5,734 graduates in Appalachian Power Company-Served Tennessee Counties. This pipeline has shrunk by 8% over the last 5 years. The highest share of these graduates come from Liberal Arts and Sciences/Liberal Studies, Registered Nursing/Registered Nurse, and "Business Administration and Management, General".

School	Total Graduates (2021)	Graduate Trend (2017 - 2021)
East Tennessee State University	3,640	
Northeast State Community College	1,193	
King University	749	
Jenny Lea Academy of Cosmetology	89	
Ross Medical Education Center-Johnson City	63	



In-Demand Skills

