

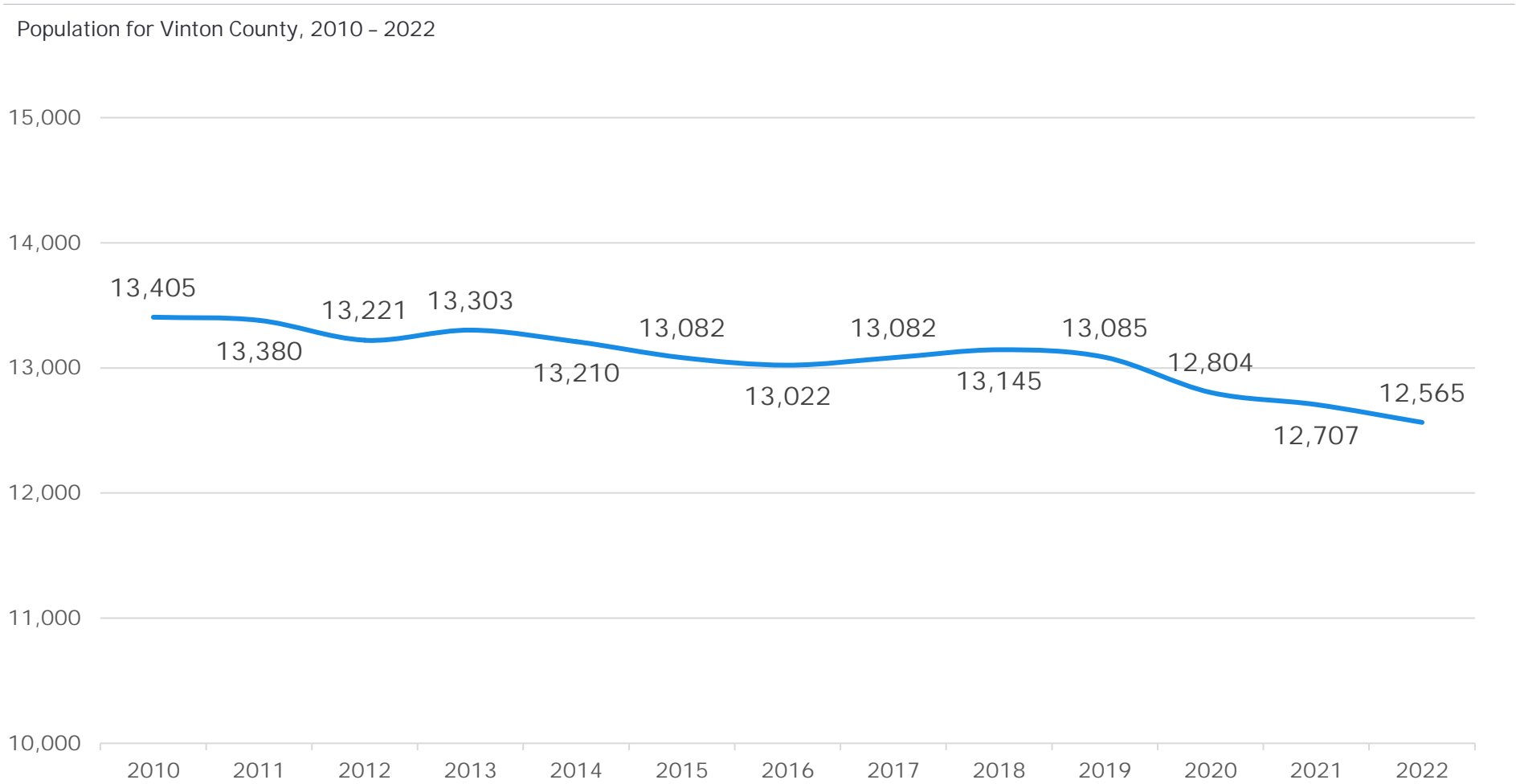
Vinton County economic and background assessment

Prepared for: South Central Ohio
Workforce Partnership

July, 2023



Population

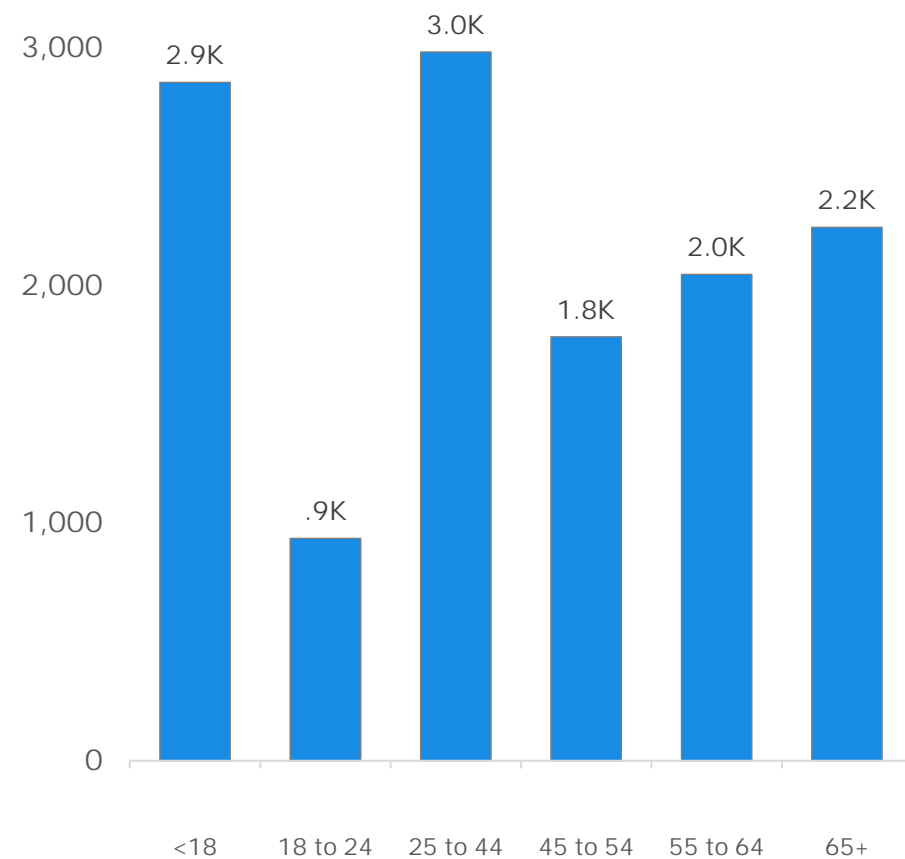


Source: US Census Bureau

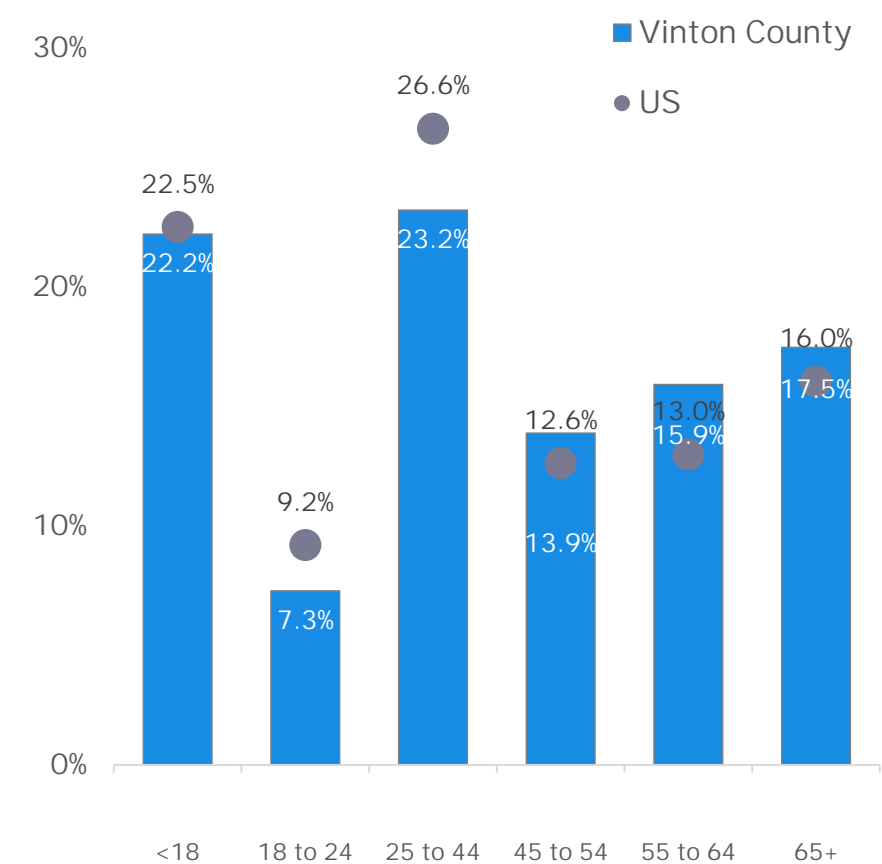


Population by age

Population by age cohort, 2021



Share of population by age cohort, 2021

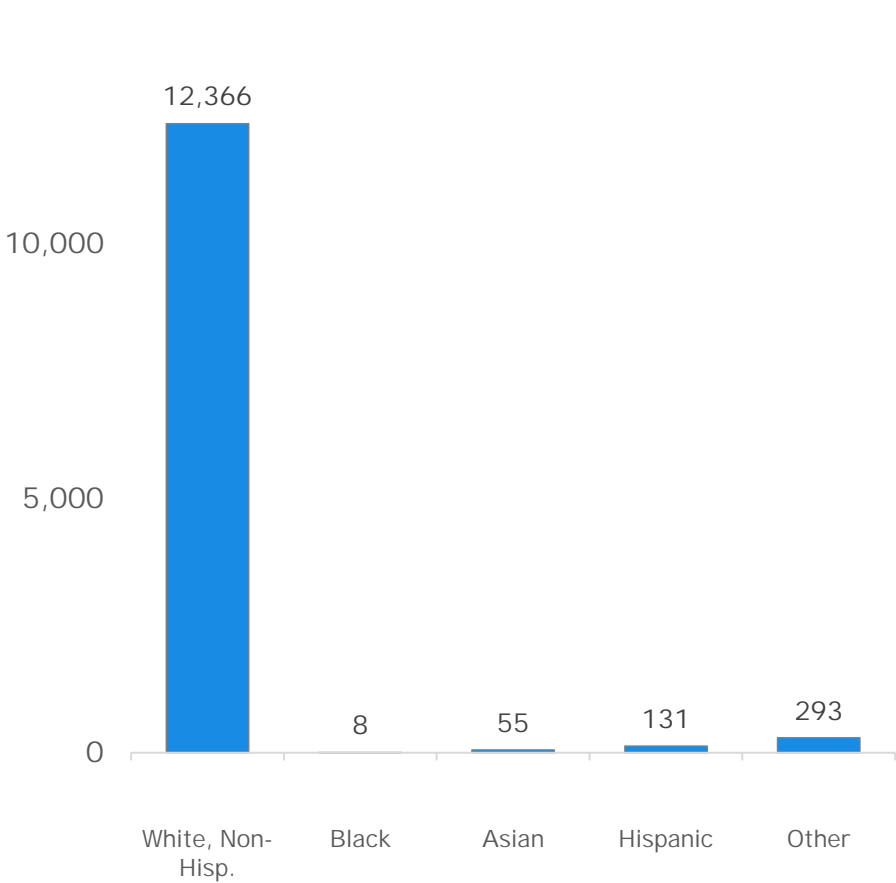


Source: US Census Bureau

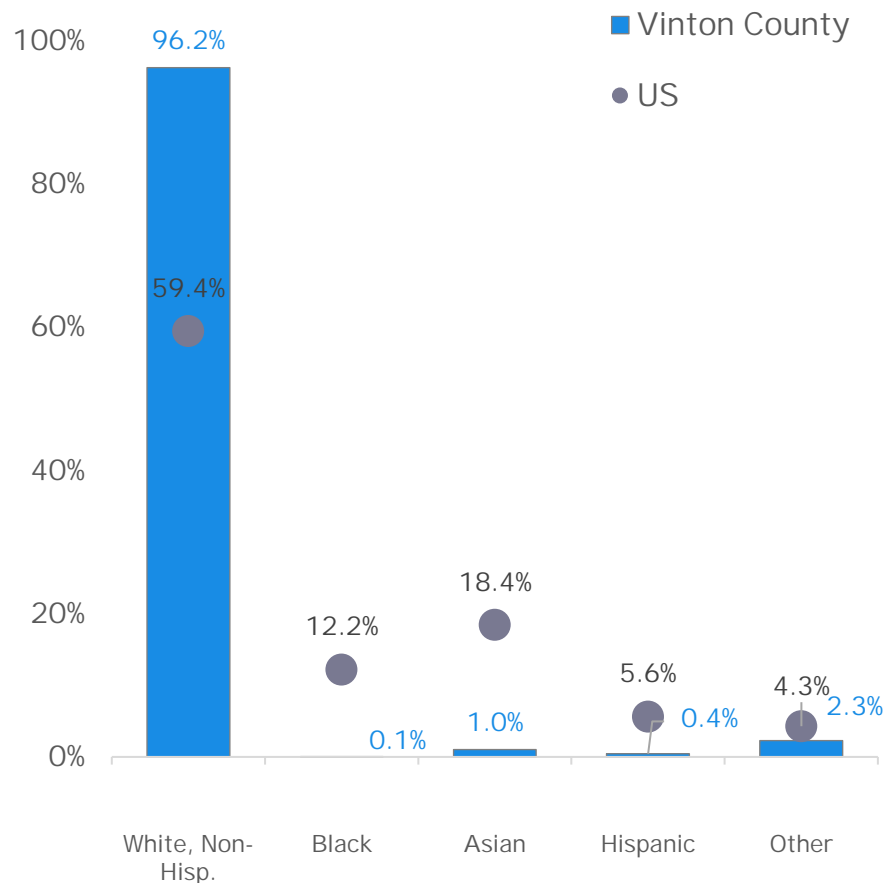


Population by race

Population by race cohort, 2021

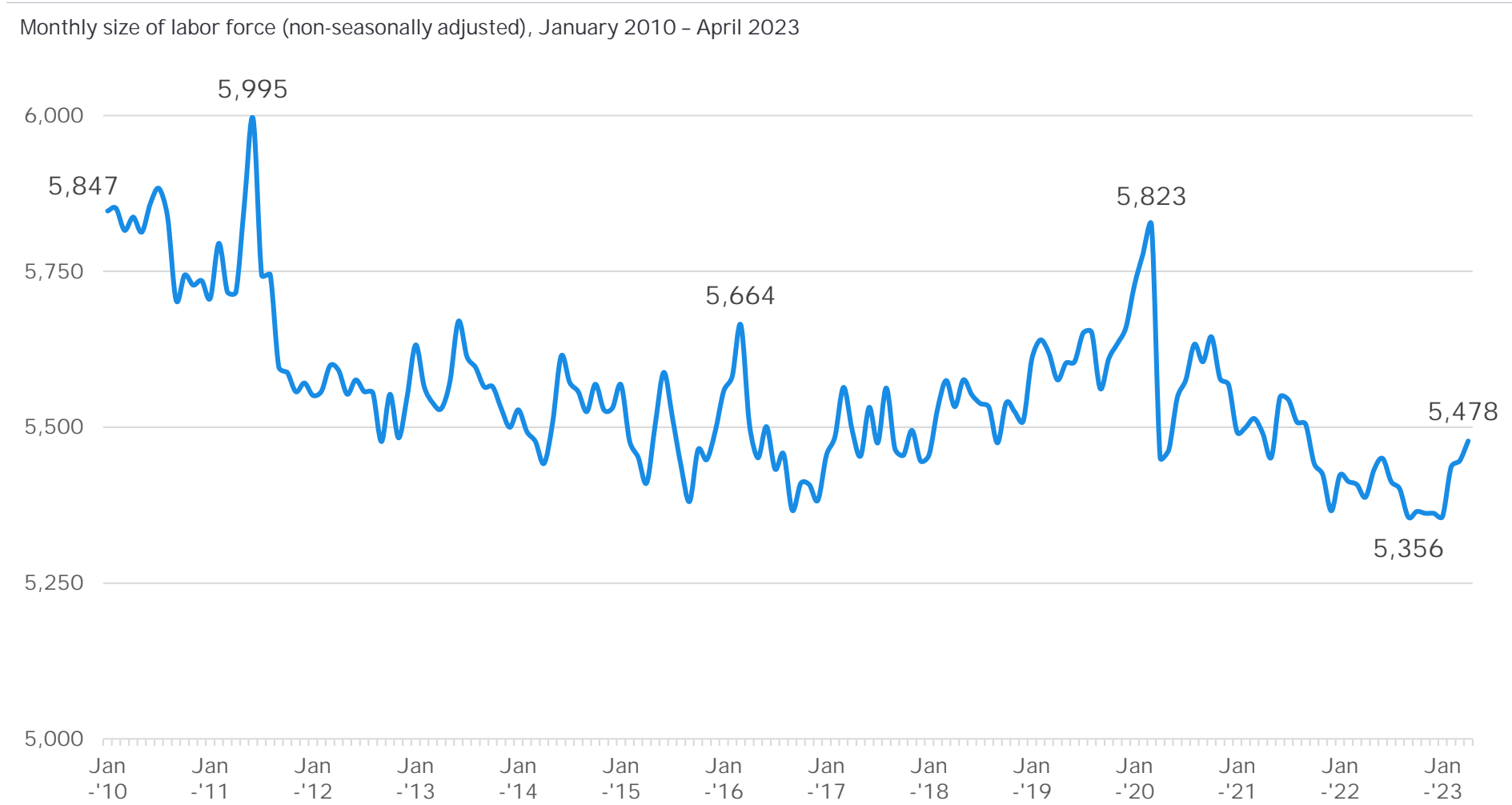


Share of population by race cohort, 2021



Source: US Census Bureau

Labor force

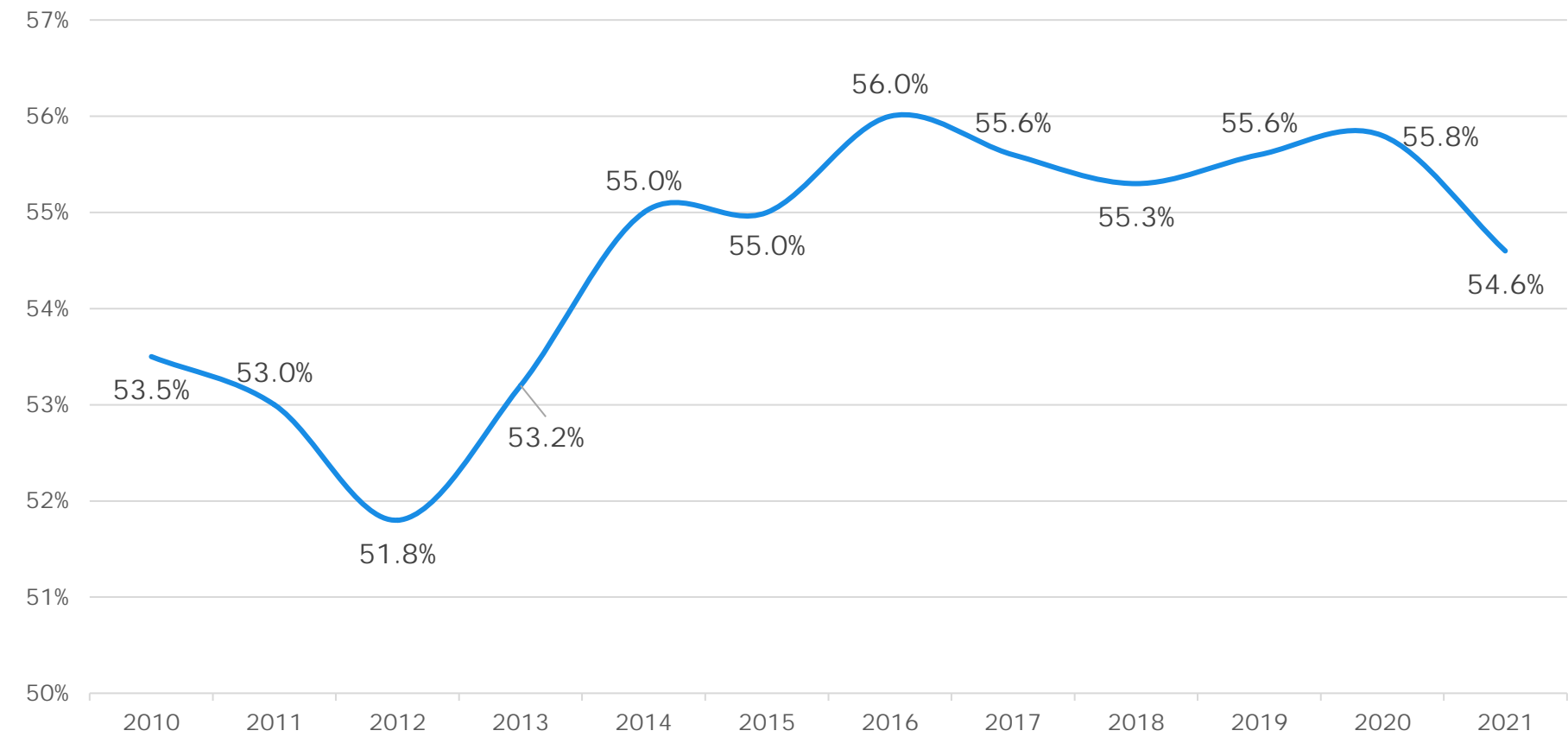


Source: US Bureau of Labor Statistics



Labor force

Labor force participation rate, 2010 - 2021

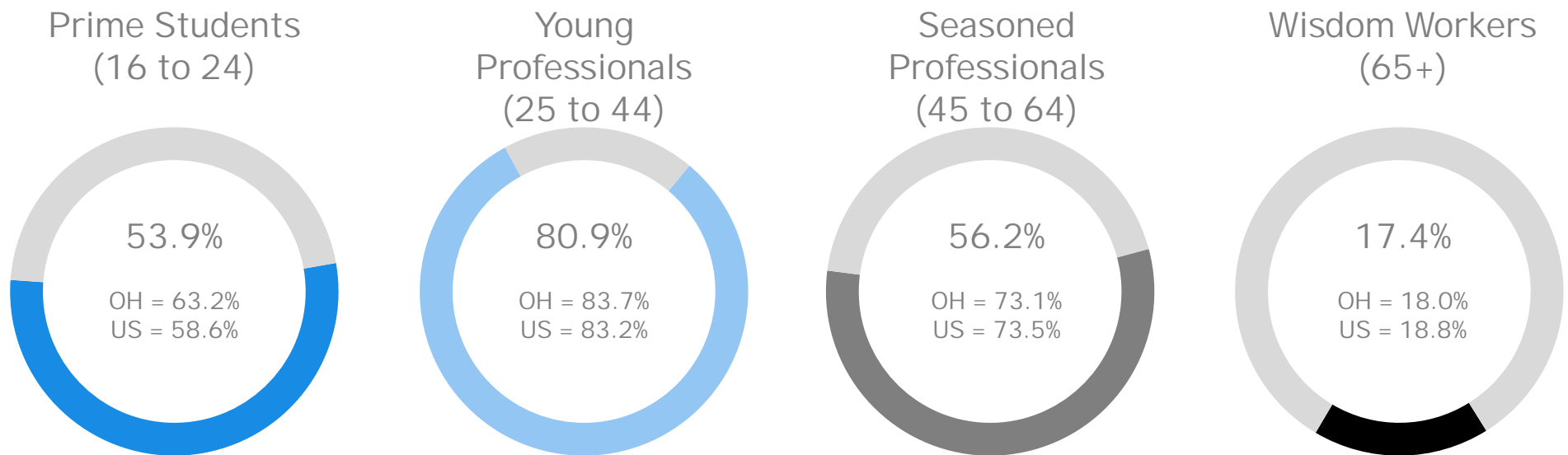


Source: US Census Bureau



Labor force

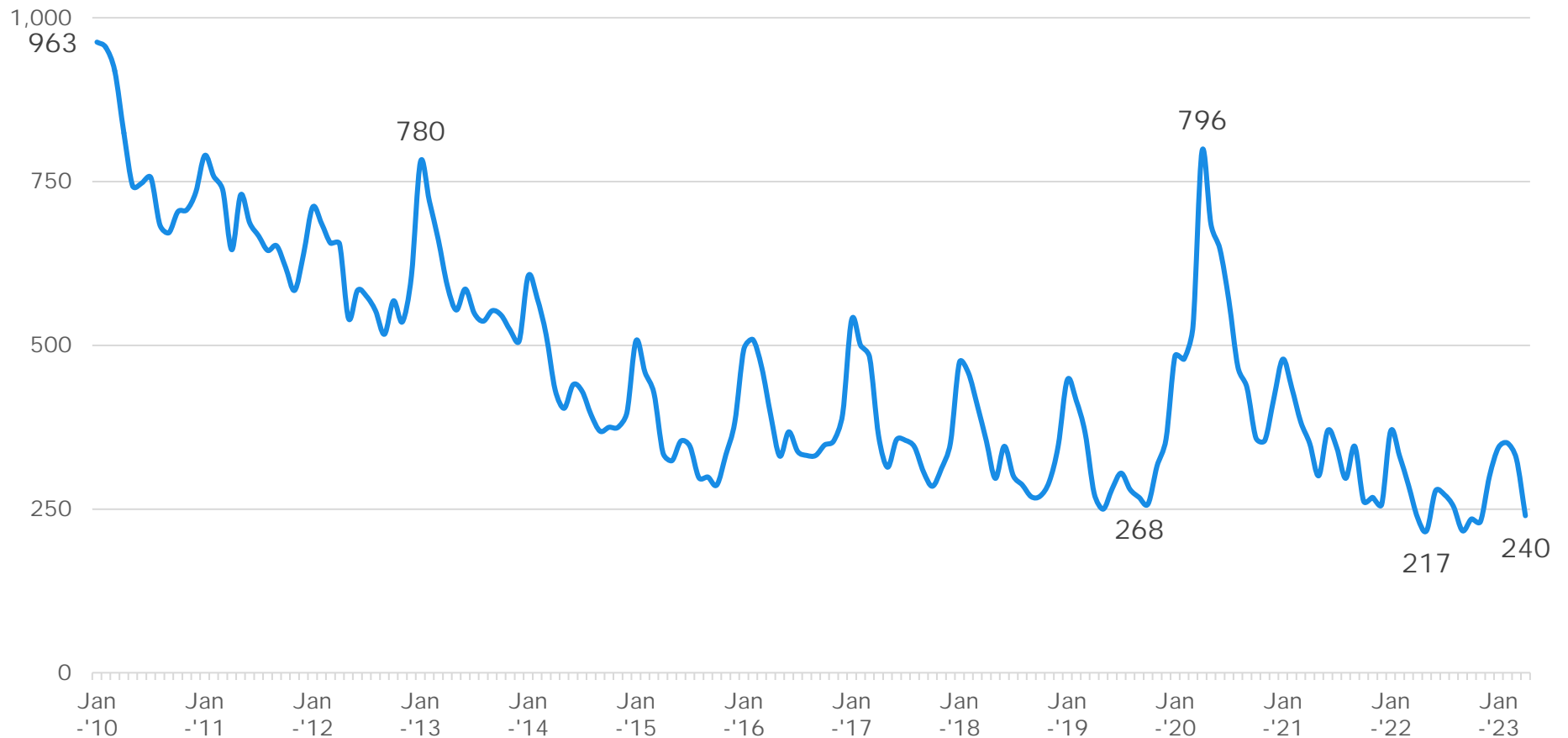
Labor force participation rate by age cohort (among residents 16 years and older) in Vinton County, 2021



Source: US Census Bureau

Unemployment

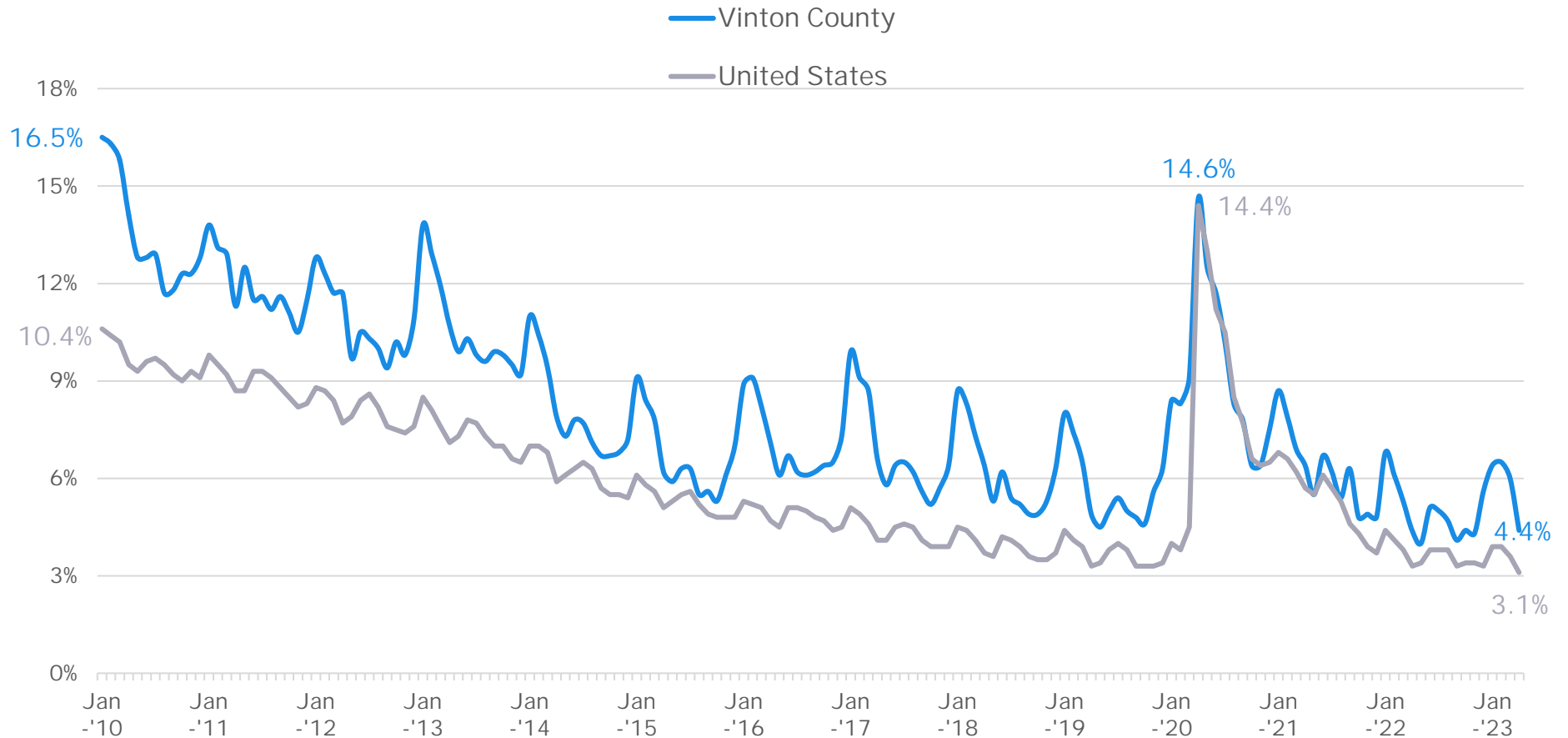
Monthly size of unemployed population (non-seasonally adjusted), January 2010 – April 2023



Source: US Bureau of Labor Statistics

Unemployment rate

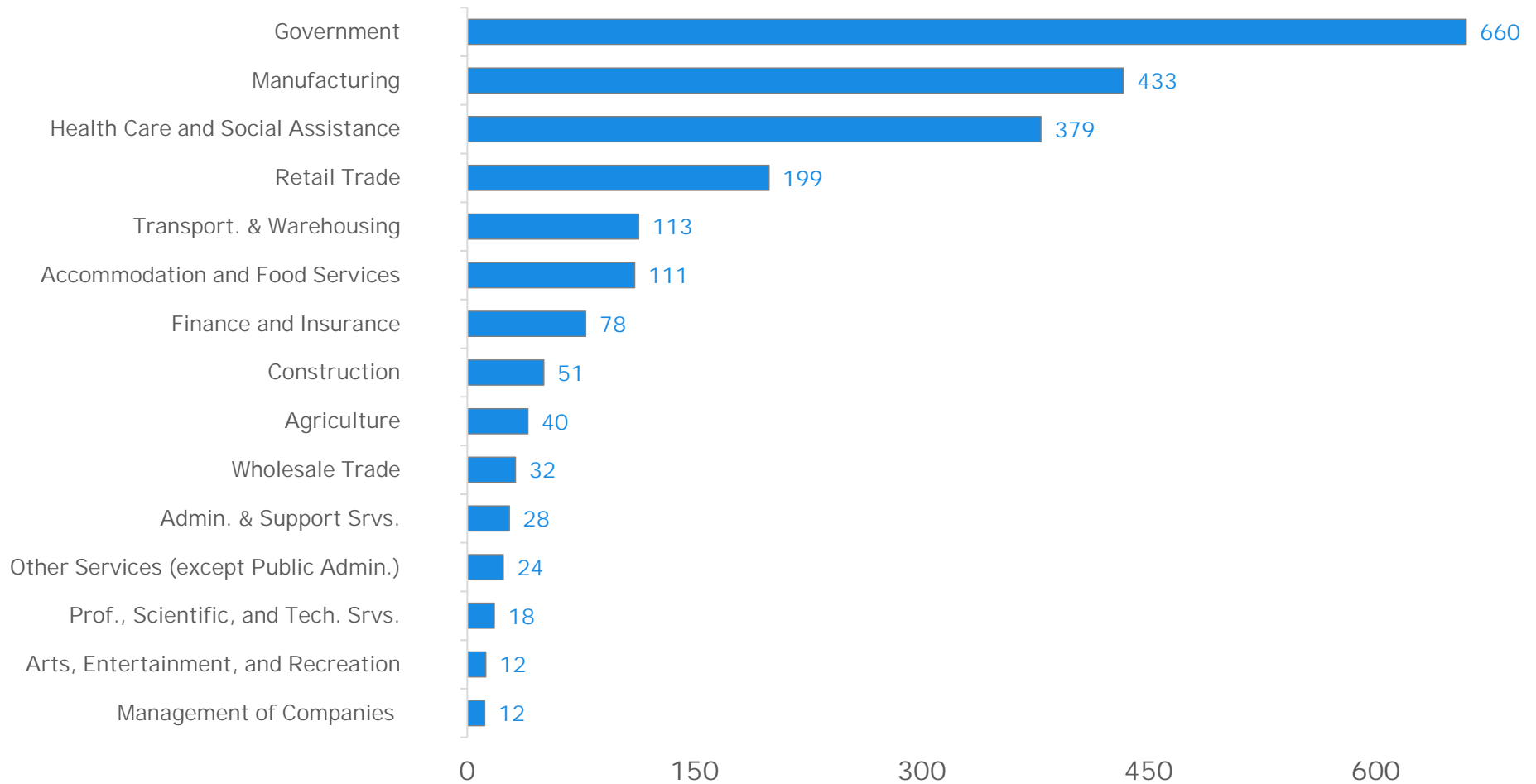
Monthly unemployment rate (non-seasonally adjusted), January 2010 – April 2023



Source: US Bureau of Labor Statistics

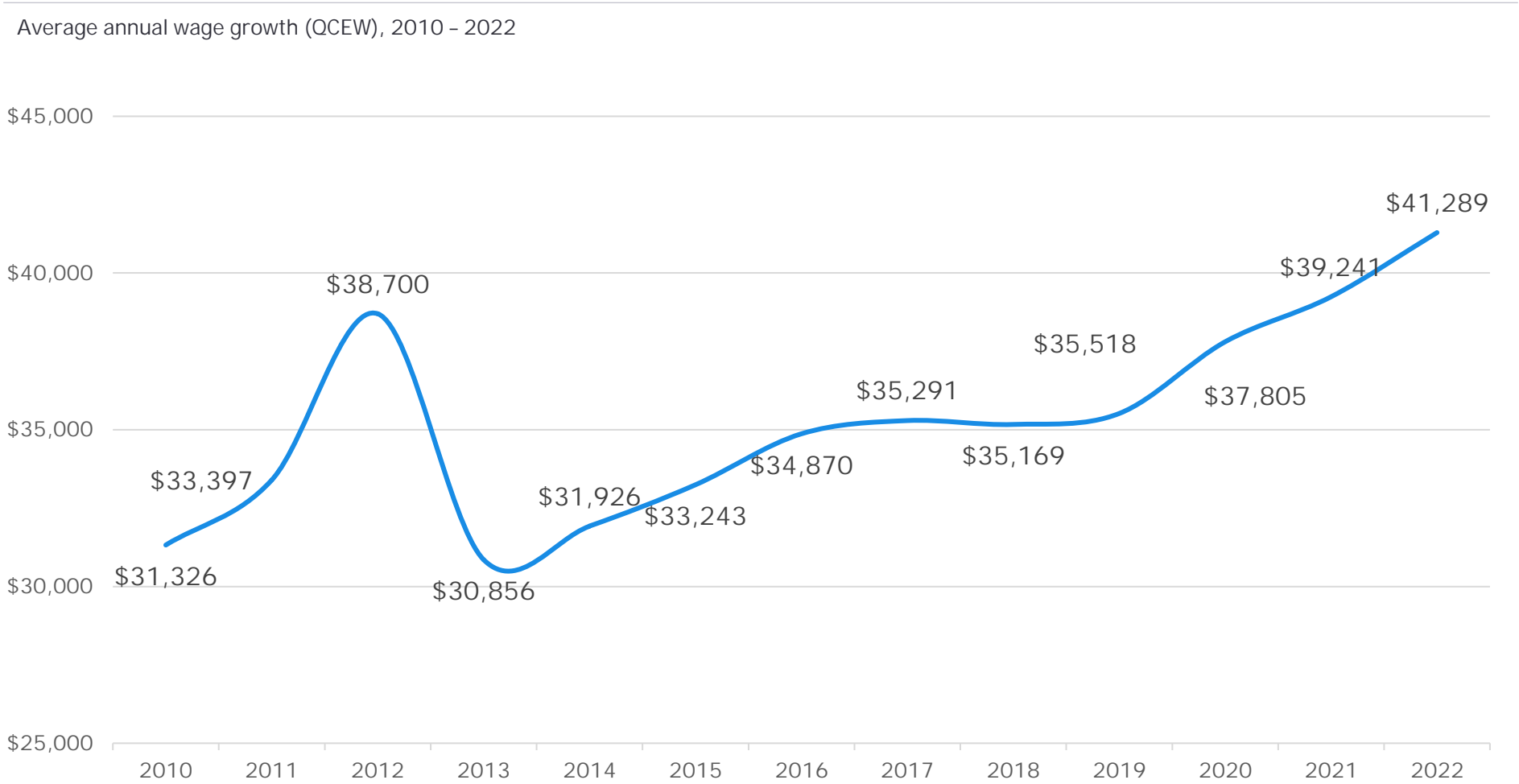
Employment by industry

Employment by industry (2-Digit NAICS, QCEW), 2022



Source: Lightcast

Average wage growth

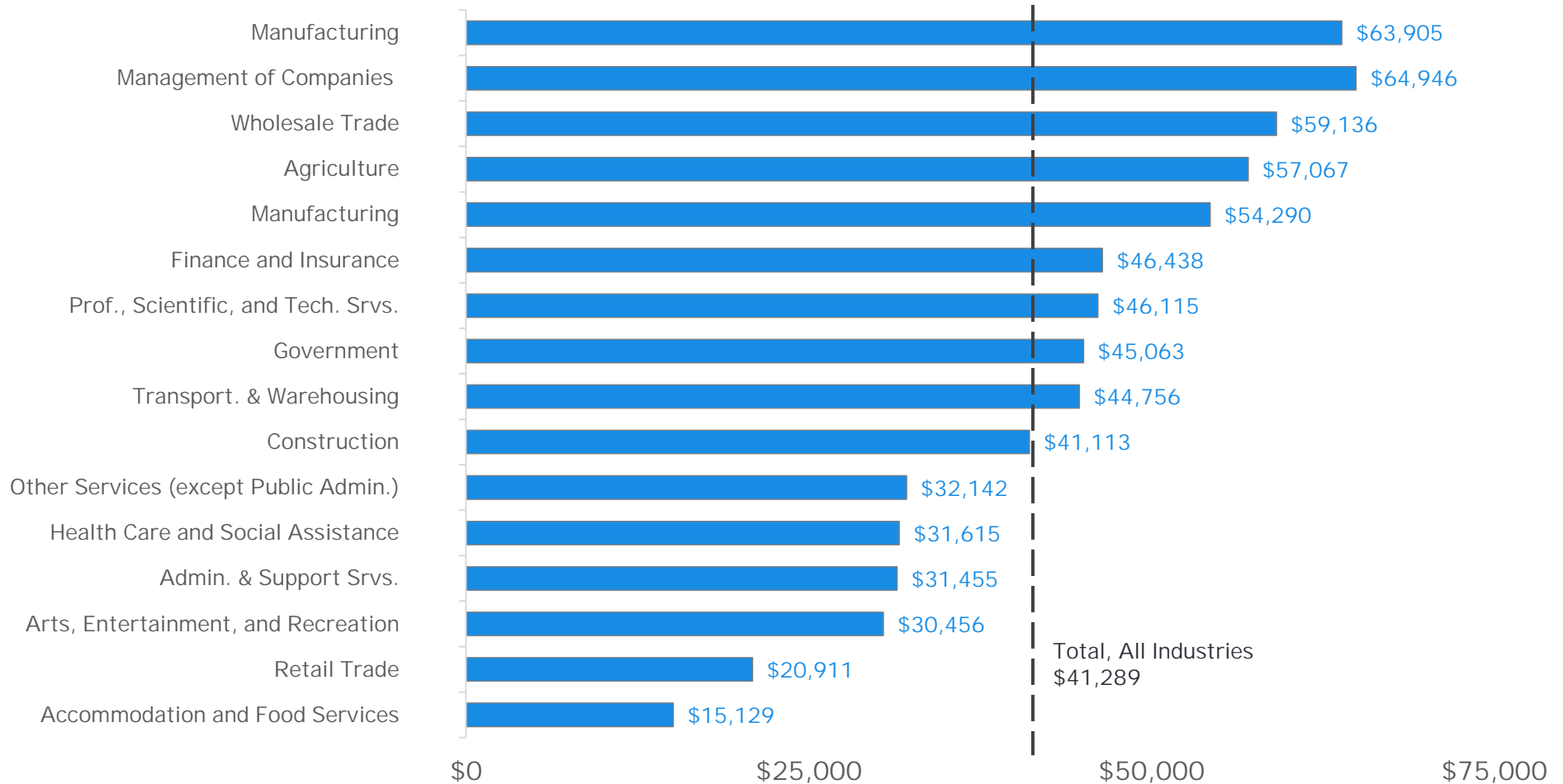


Source: Lightcast



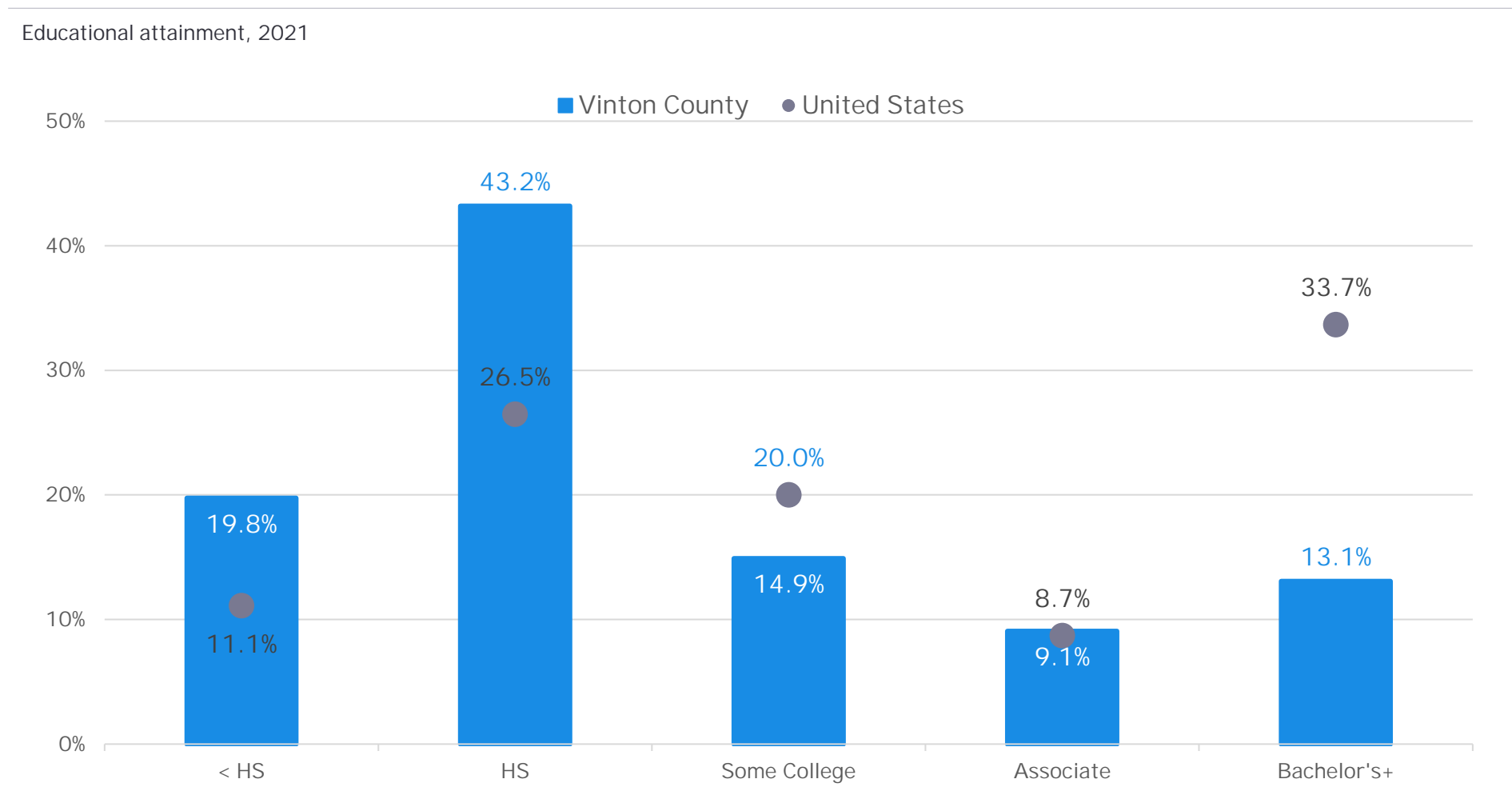
Wage by industry

Wage by industry (2-Digit NAICS, QCEW), 2022



Source: Lightcast

Educational attainment

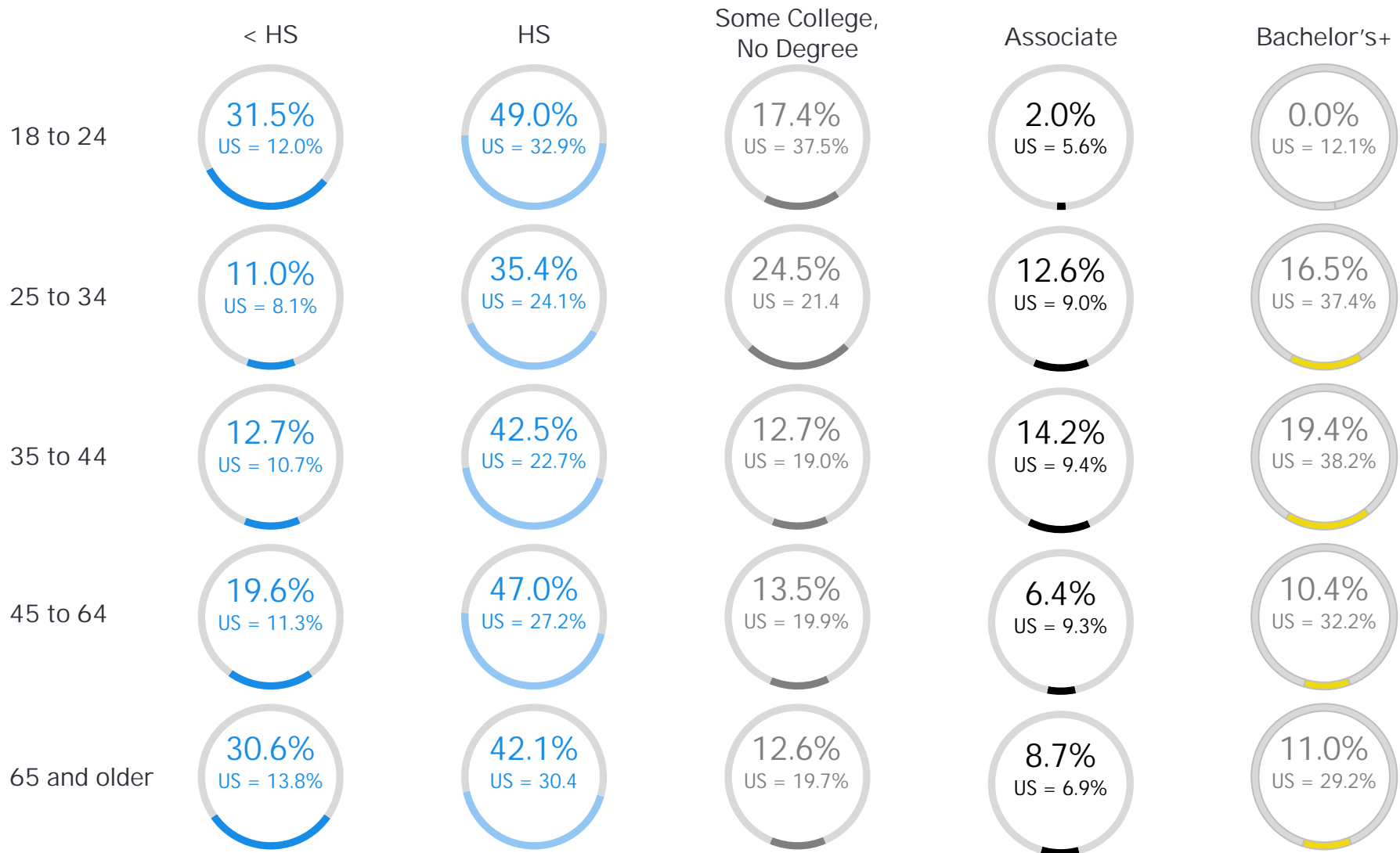


Source: US Census Bureau



Educational attainment by age

Educational attainment by age (among residents ages 18 years of age and older), 2021



Industry composition

In 2022, there were only 19 industry clusters with a presence in Vinton County. Energy and Industrial Machinery, which had a small presence in 2017 saw all jobs lost by 2022. Government, Education, and Industrial Products were the largest clusters in terms of total jobs. Non-Profits & Social Service, followed closely by Industrial Products, had the largest net new jobs gained between 2017 and 2022.

Vinton County's industry cluster performance, 2017 - 2022

Cluster	Employment (2022)	Employment growth (2017-2022)	Location quotient (2022)	Cluster	Employment (2022)	Employment growth (2017-2022)	Location quotient (2022)
Mining & Logging	36	11.3%	11.4	Metalworking	14	-86.3%	0.5
Industrial Products	294	54.0%	9.0	Healthcare	58	-64.5%	0.2
Non-Profits & Social Svcs.	273	64.5%	4.1	Financial Svcs.	70	-9.0%	0.6
Government	341	5.3%	2.0	Hospitality	107	-7.3%	0.5
Education	319	0.9%	1.7	Aerospace	--	--	--
Distribution & Logistics	80	7.6%	1.3	Agribusiness & Food	--	--	--
Biomedical R&D/Mfg	16	100%*	1.2	Apparel & Textiles	--	--	--
Retail	181	26.8%	0.8	Automotive	--	--	--
Entertainment	12	100%*	0.3	Creative Content	--	--	--
Personal Services	17	5.6%	0.3	Electronics	--	--	--
Construction Svcs.	30	23.5%	0.3	Furniture Mfg.	--	--	--
Wholesale Trade	22	2.7%	0.2	Professional Services	--	--	--
Back Office	23	100%*	0.1	Research	--	--	--
Consumer Products	123	-25.2%	10.8	Shipbuilding	--	--	--
Transportation	33	-39.6%	1.8	Software / Info. Tech.	--	--	--
Energy	0	-100%*	0.0	Telecom Services	--	--	--
Industrial Machinery	0	-100%*	0.0	Total	2,215	0.5%	1.0

Strong & Advancing

Weak but Advancing

Strong but Declining

Weak & Declining

Source: Lightcast

*Employment was zero in 2017

Occupational composition

Between 2017 and 2022 slightly more than half of the occupational clusters in Vinton County experienced growth. Medical, Education, and Plant Operators posted the largest increase in net new jobs among clusters. Logistics, Production, and Hospitality clusters saw the largest net decrease in jobs during the same period. Plant Operator occupations are the most concentrated in Vinton County with a location quotient of 13.3 in 2022.

Vinton County's occupational cluster performance

Cluster	Employment (2022)	Employment growth (2017-2022)	Location quotient (2022)	Cluster	Employment (2022)	Employment growth (2017-2022)	Location quotient (2022)
Construction	239	3.2%	2.3	Architecture	8	-33.3%	2.9
Education	100	5.7%	1.1	Geology	16	-33.3%	5.3
Medical	288	9.5%	2.2	Production	219	-21.7%	1.7
Plant Operators	373	27.4%	1.5	Logistics	255	-10.8%	1.1
Legal	80	43.0%	13.3	Back Office	305	-8.3%	1.0
Math	24	50.0%	1.3	Mechanics	115	-3.6%	1.3
Communications	8	100.0%	1.9	Political	4	0.0%	2.1
Personal Services	24	200.0%	2.4	Engineering	96	0.0%	2.1
Business	178	10.0%	0.9	Hospitality	216	-21.9%	0.8
Computer	55	11.8%	0.5	Financial	69	-3.4%	0.9
Design	60	15.4%	0.7	Performance	4	0.0%	0.5
Agriculture	12	50.0%	0.9	Sales & Marketing	16	0.0%	0.9
	32	-44.2%	1.9	Total	2,215	0.5%	1.0

Strong & Advancing

Weak but Advancing

Strong but Declining

Weak & Declining

Source: Lightcast

Occupational composition of resident workers

Resident workers are individuals that live in the region but may work outside of the region. These occupational clusters reflect the types of jobs your residents work in, whether in or outside the region. In 2022, the top five occupational cluster in terms of total resident workers were Medical, Production, Logistics, Back Office, and Hospitality. With a 5.4 location quotient value, Plant Operator occupations were the most concentrated cluster in 2022. Business, Computer, Medical, and Education saw the largest net gains in resident workers between 2017 and 2022.

Vinton County's occupational cluster performance for resident workers

Cluster	Resident workers (2022)	Resident worker growth (2017-2022)	Location quotient (2022)	Cluster	Resident workers (2022)	Resident worker growth (2017-2022)	Location quotient (2022)
Agriculture	44	7.4%	1.4	Construction	202	-1.5%	1.2
Education	335	3.1%	1.4	Political	4	-50.0%	1.1
Medical	581	1.8%	1.3	Personal Services	394	-6.4%	1.0
Math	8	100.0%	1.0	Hospitality	481	-13.0%	0.9
Business	124	48.1%	0.6	Back Office	497	-11.9%	0.9
Computer	79	41.7%	0.5	Financial	76	-13.9%	0.6
Plant Operators	60	-7.2%	5.4	Sales & Marketing	16	0.0%	0.5
Production	537	-2.6%	2.3	Design	12	-25.0%	0.5
Geology	12	-50.0%	2.1	Communications	8	0.0%	0.4
Social Service	253	-5.3%	1.3	Legal	12	-25.0%	0.4
Mechanics	201	-13.6%	1.3	Performance	4	0.0%	0.3
Engineering	103	-16.4%	1.2	Architecture	0	-100.0%	0.0
Logistics	506	-3.4%	1.2	Total	4,078	-5.1%	1.0

Strong & Advancing

Weak but Advancing

Strong but Declining

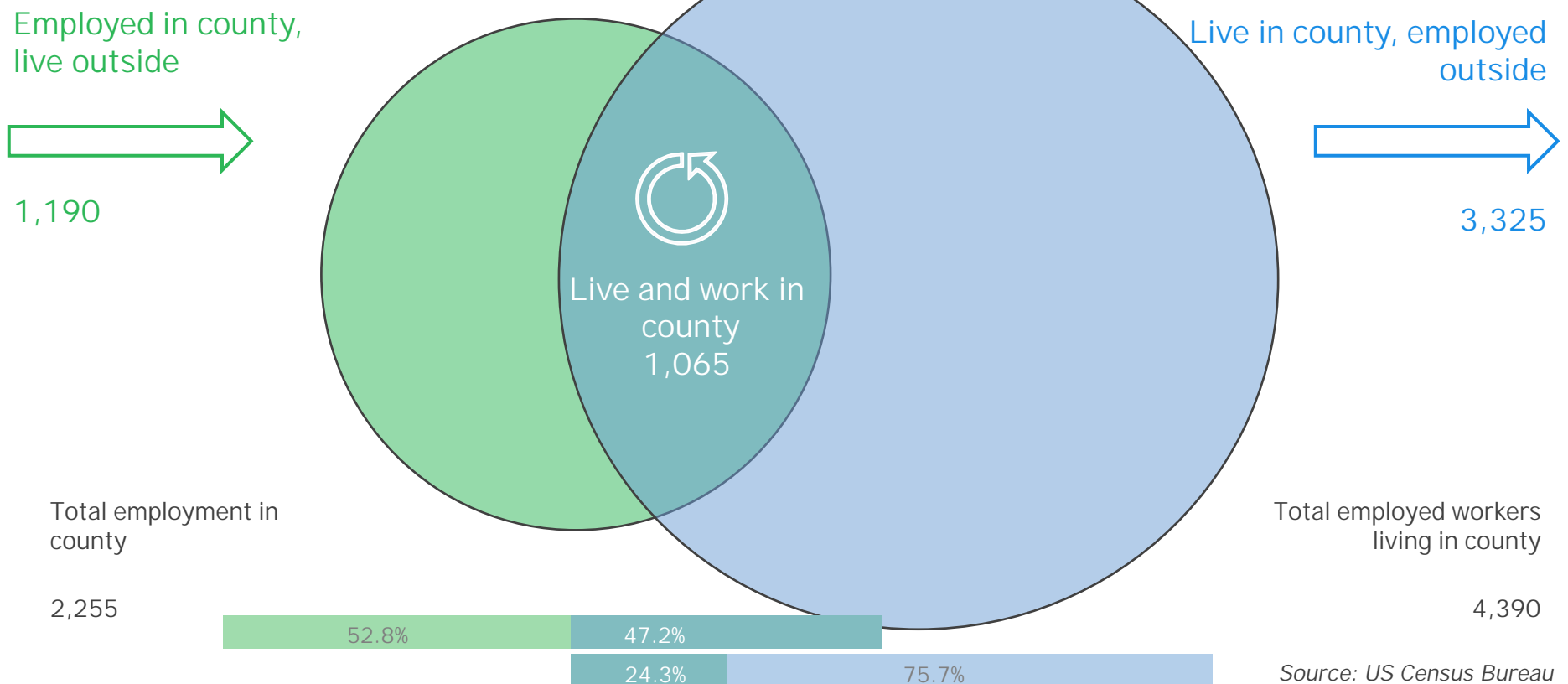
Weak & Declining

Source: Lightcast

Inflow/outflow analysis

Vinton County both imports and exports talent, however, there is a larger outflow of talent overall. Of the 4,390 employed individuals residing in the county, approximately 76% are employed outside of the county. At the same time, approximately 53% of workers employed in the county live elsewhere outside of the county.

Vinton County workforce inflow/outflow dynamics, 2020

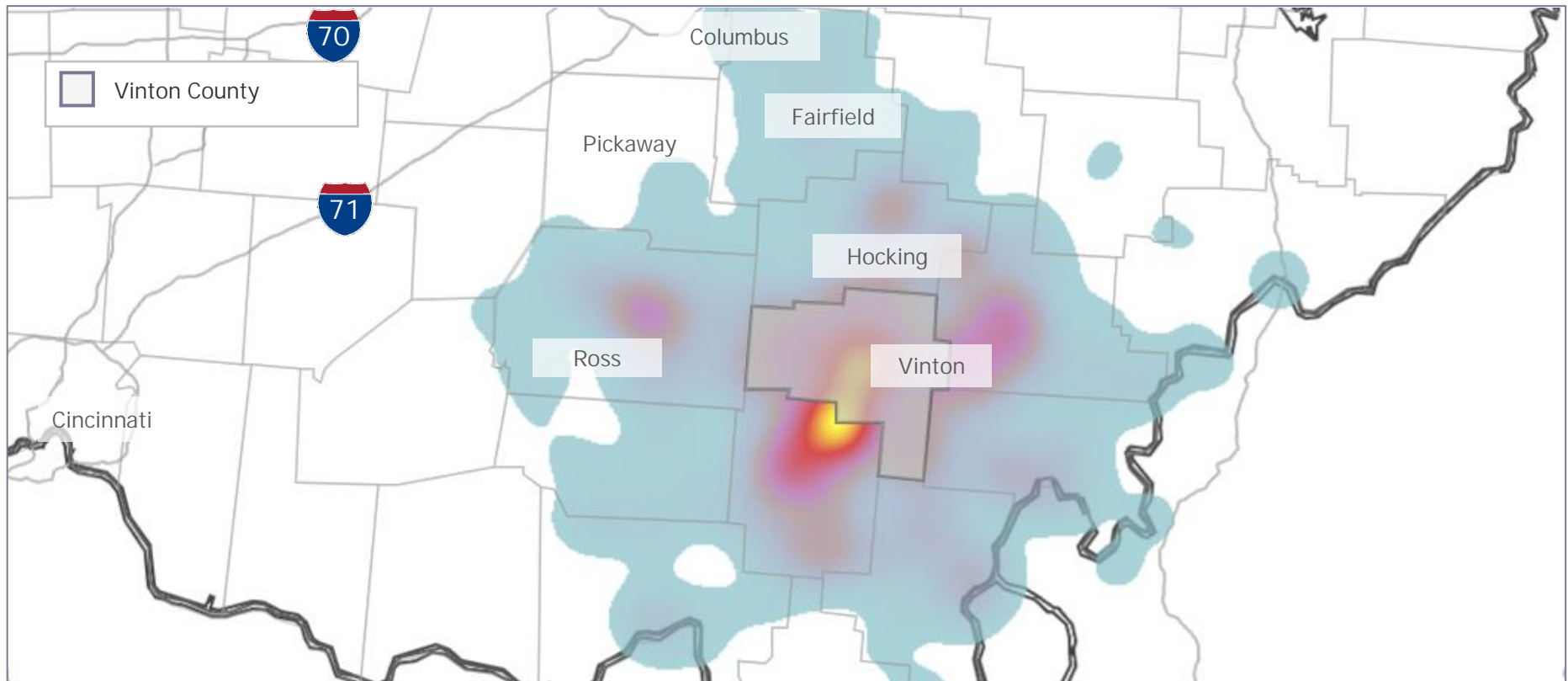


Source: US Census Bureau

Vinton County worker origin

The map below shows the origins of workers for the Vinton County. The area shown below accounts for approximately 87% of the labor shed for the county and reflects approximately 1,950 workers.

Vinton County's worker origin, 2020

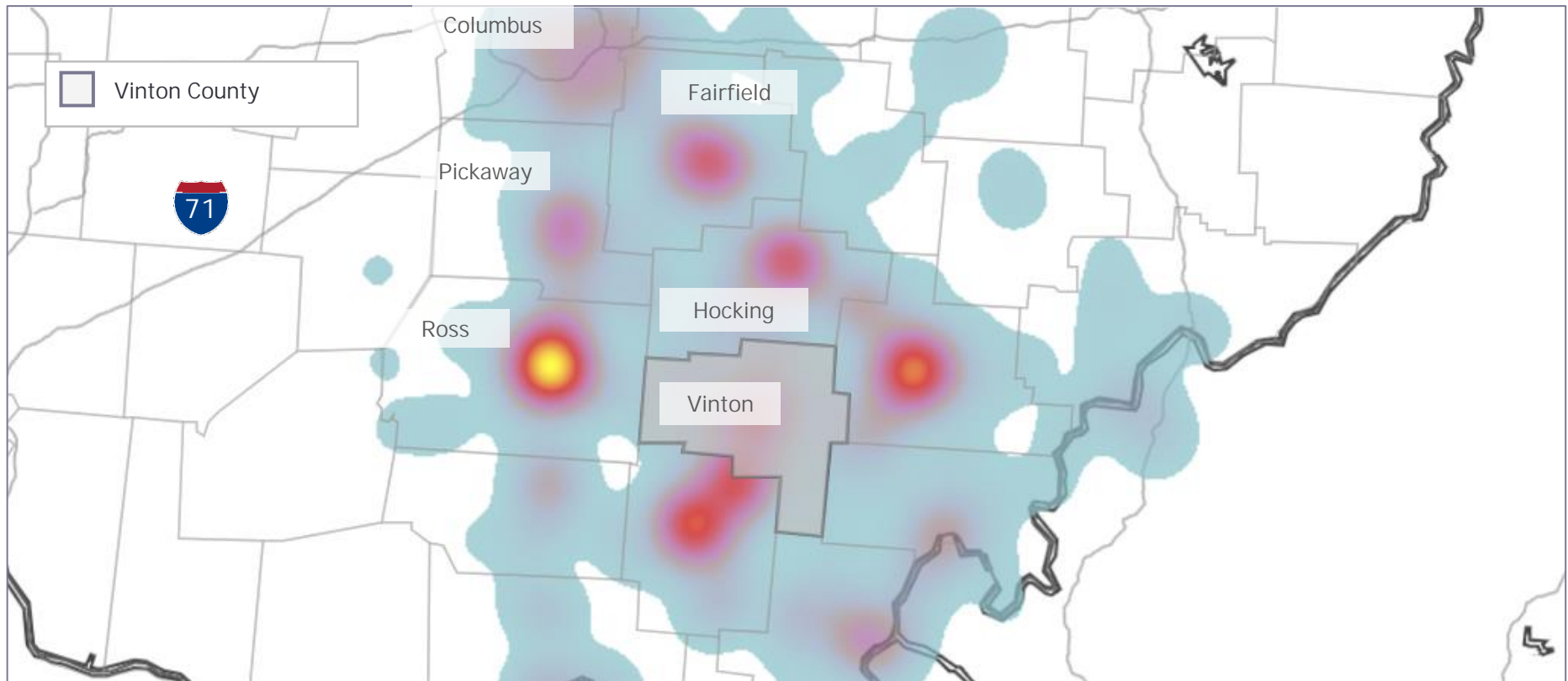


Source: US Census Bureau

Vinton County's resident worker destinations

The map below shows the work destinations of resident workers in Vinton County. The area shown below accounts for approximately 3,250 resident workers, or approximately 74% of the county's resident workforce. Athens, Jackson, and Franklin counties are hotspots for Vinton County's resident workers when commuting for work outside of the Area 20 region.

Vinton County's resident worker destinations, 2020

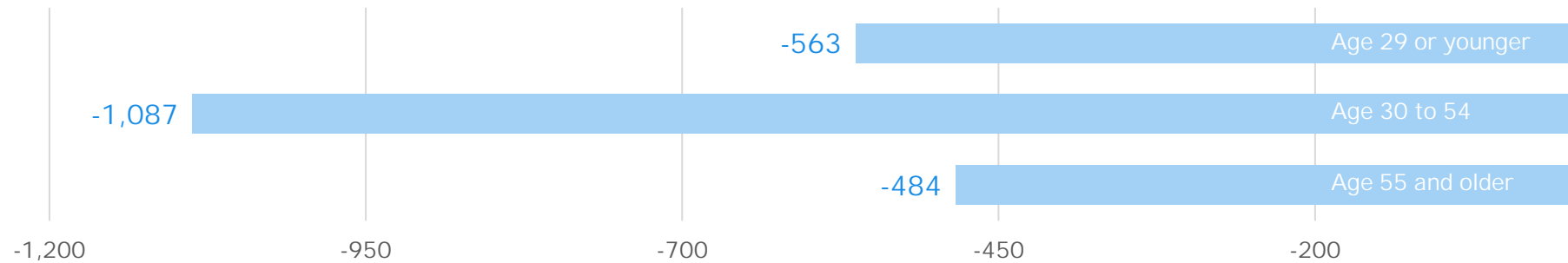


Source: US Census Bureau

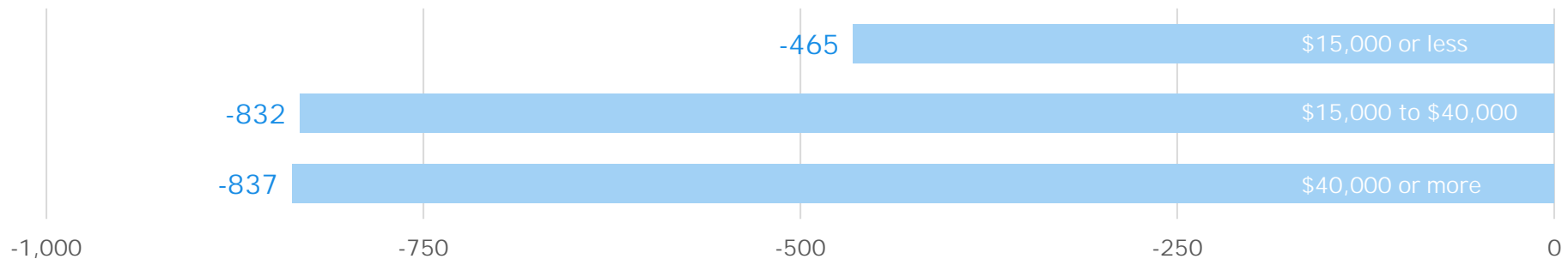
Inflow/outflow of workers by age and earnings

Vinton County exported talent at every age and earnings bracket in 2020. Prime working age residents, ages 30 to 54, commuted out in much smaller numbers compared to the other age cohorts. Workers earning \$15,000 or more commuted out of the county in greater numbers than those earning less than \$15,000.

Net inflow/outflow of workers into Vinton County by age, 2020



Net inflow/outflow of workers into Vinton County by earnings, 2020

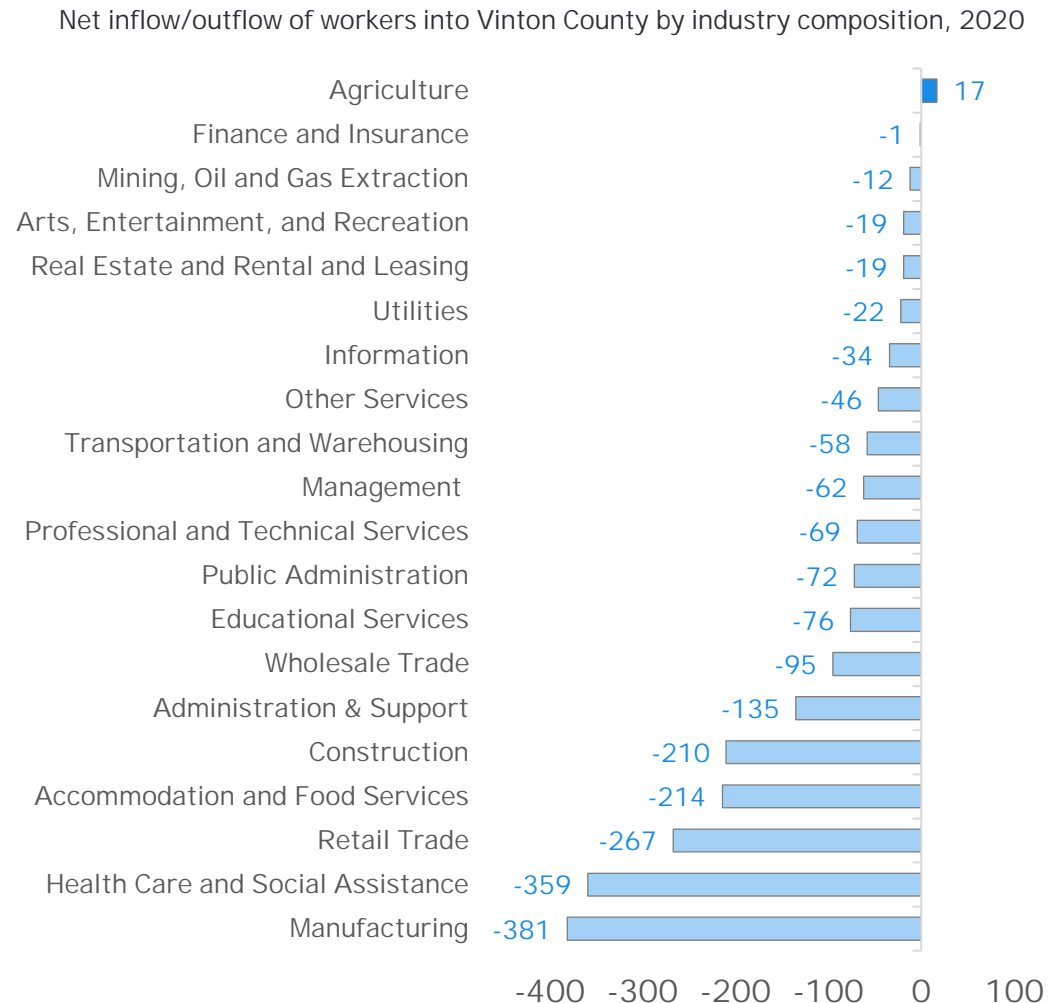


Source: US Census Bureau

Net inflow of workers by industry

Ross County is a net exporter of talent across all but one industry. Agriculture is the only industry in which employment within the county exceeds the number of resident workers.

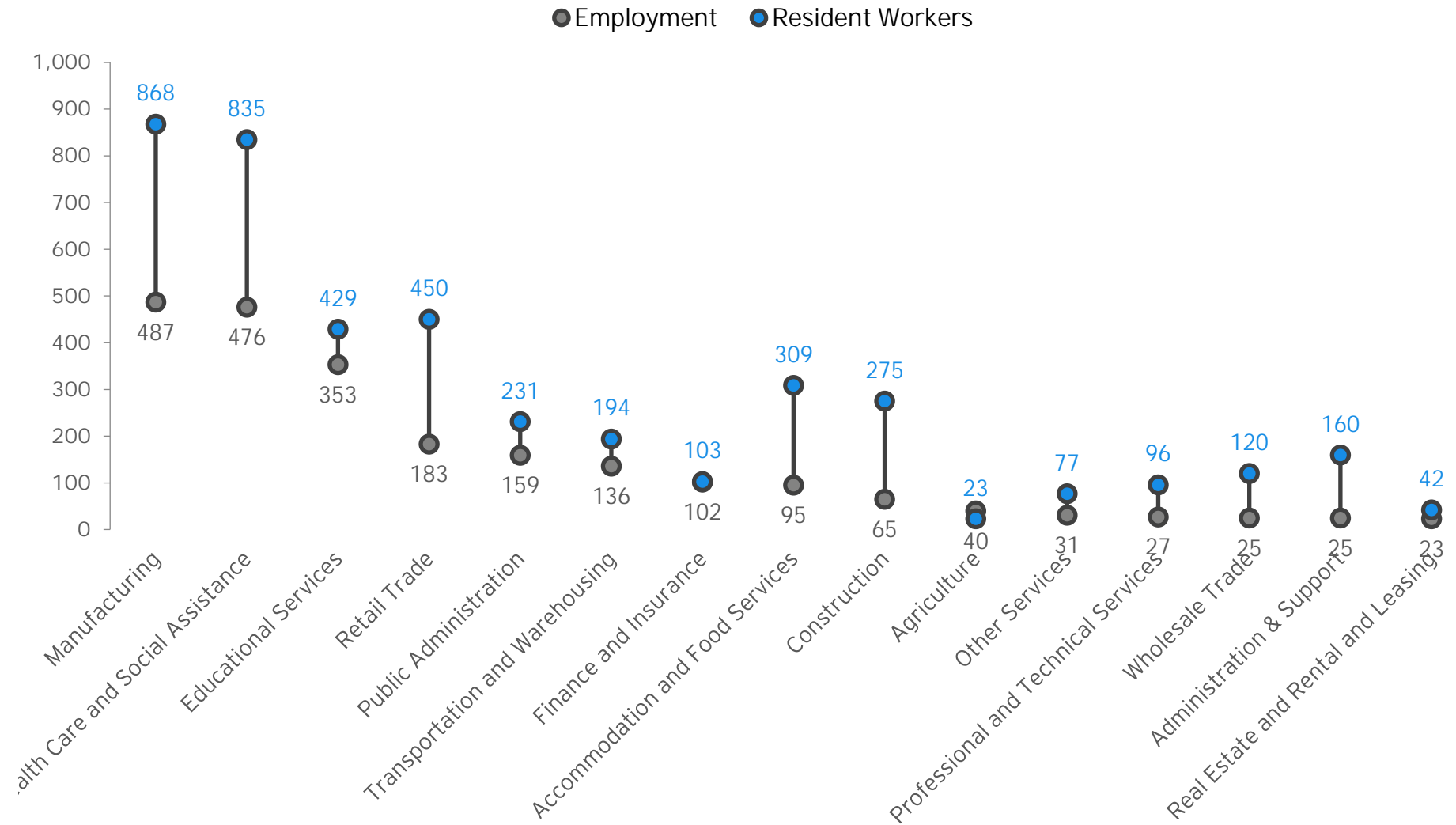
In all other industries, the number of resident workers exceeds employment. For example, Vinton County is home to approximately 380 more workers employed in Manufacturing compared to the total number of industry jobs located within in the county. Other major industries in which the county is an exporter of talent includes Health Care & Social Assistance, Retail, Accommodation & Food Services, and Construction.



Source: US Census Bureau

Industry composition by worker origin

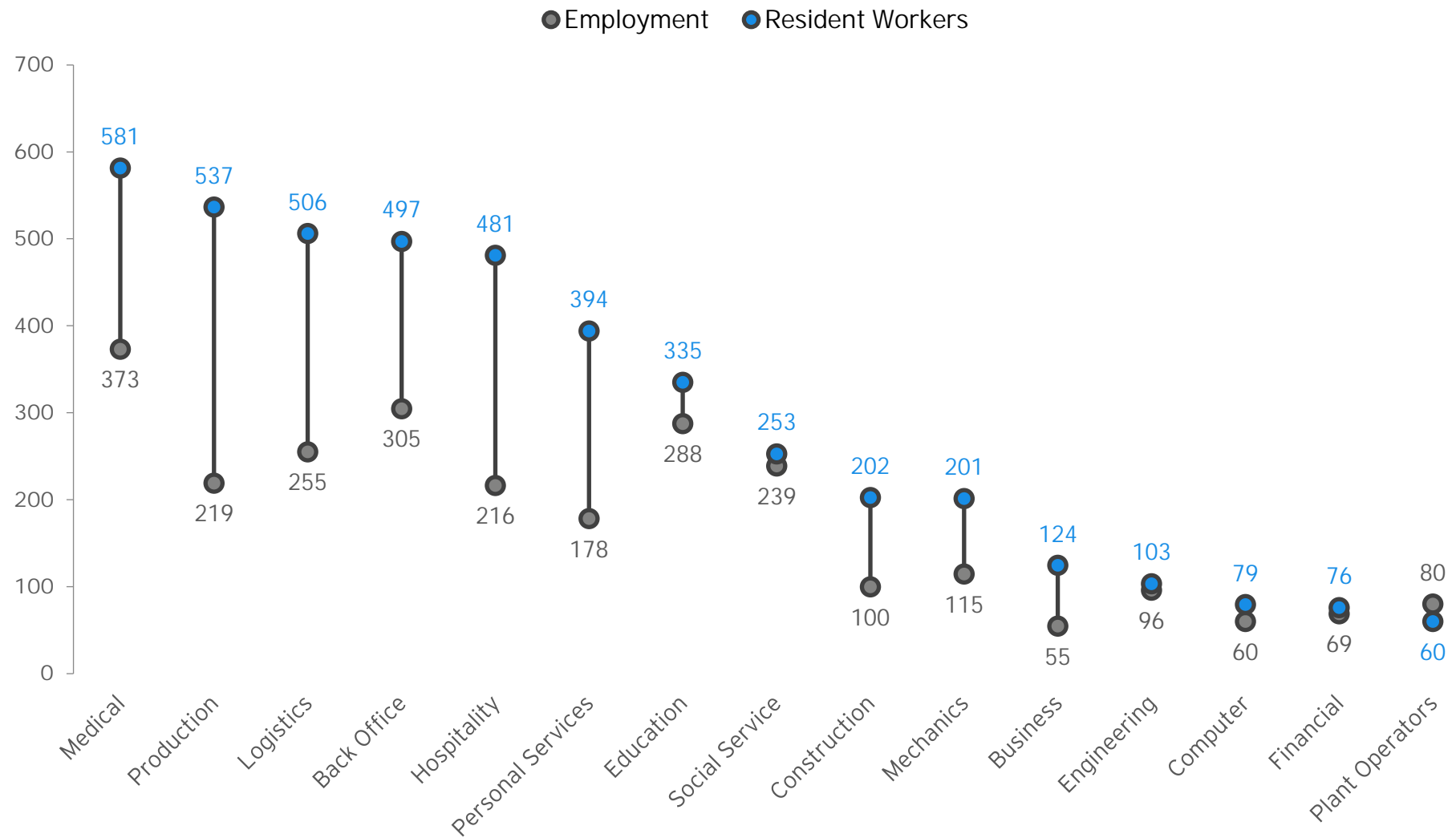
Vinton County's employment versus resident workers for top 15 industry clusters, 2020



Source: US Census Bureau

Occupation composition by worker origin

Vinton County's employment versus resident workers for top 15 occupational clusters, 2021



Source: Lightcast

Forecasted growth in industry composition

In the table below, we examine possible employment forecasts for industry clusters in Vinton County. The top five clusters forecasted to add the most net new jobs over the next ten years are Non-Profits & Social Service, Industrial Products, Retail, Personal Services, and Construction Services. Overall, county employment is forecasted to grow by more than 8% over the next ten years.

Vinton County's industry cluster forecasted growth

Cluster	Employment (2022)	Forecasted Employment (2024)	Forecasted Employment (2032)	Cluster	Employment (2022)	Forecasted Employment (2024)	Forecasted Employment (2032)
Aerospace	--	--	--	Healthcare	58	45	52
Agribusiness & Food	--	--	--	Hospitality	107	109	113
Apparel & Textiles	--	--	--	Industrial Products	294	310	323
Automotive	--	--	--	Industrial Machinery	--	10	11
Back Office	23	26	31	Metalworking	14	--	--
Biomedical R&D/Mfg	16	18	21	Mining & Logging	36	37	36
Construction Svcs.	30	35	46	Non-Profits & Social Service	273	310	390
Consumer Products	123	119	104	Personal Services	17	29	37
Creative Content	--	--	13	Professional Services	--	--	--
Distribution & Logistics	80	84	90	Research	--	--	--
Education	319	317	314	Retail	181	189	210
Electronics	--	--	--	Shipbuilding	--	--	--
Energy	--	--	--	Software / Info. Tech.	--	10	13
Entertainment	12	16	22	Telecom Services	--	--	--
Financial Svcs.	70	68	55	Transportation	33	32	30
Furniture Mfg.	--	--	--	Wholesale Trade	22	25	31
Government	341	351	352	Total	2,215	2,283	2,394

Source: Lightcast

Forecasted growth in occupational composition

In the table below, we examine possible employment forecasts for occupational clusters at the county level. The Medical and Hospitality clusters are forecasted to experience the largest net new jobs created in Vinton County over the next decade.

Vinton County's occupational cluster forecasted growth

Cluster	Employment (2022)	Forecasted Employment (2024)	Forecasted Employment (2032)	Cluster	Employment (2022)	Forecasted Employment (2024)	Forecasted Employment (2032)
Agriculture	32	38	38	Legal	24	20	20
Architecture	8	8	4	Logistics	255	261	275
Back Office	305	302	299	Math	8	8	8
Business	55	57	60	Mechanics	115	113	117
Communications	24	24	24	Medical	373	399	467
Computer	60	60	60	Performance	4	4	8
Construction	100	102	113	Personal Services	178	180	176
Design	12	16	16	Plant Operators	80	83	81
Education	288	294	291	Political	4	4	4
Engineering	96	96	103	Production	219	218	210
Financial	69	69	62	Sales & Marketing	16	16	16
Geology	16	16	12	Social Service	239	236	246
Hospitality	216	230	246	Total	2,215	2,283	2,394

Source: Lightcast

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