2022 ANNUAL PLANNING INFORMATION AND WORKFORCE ANALYSIS REPORTS:

SOUTHEAST MICHIGAN

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DTMB
Technology, Management & Budget

POPULATION TRENDS

AND CHARACTERISTICS

TABLES 1–4

POPULATION CHANGE (2010–2020)

■ Southeast   ■ Michigan

4.3%

2.0%

Regional population has grown by 4.3 percent between 2010 and 2020.

Southeast Michigan's population was just over 1 million residents in 2020, an increase of 41,900 individuals since 2010. Washtenaw and Livingston counties were responsible for most of the region's growth over the time period with increases of 27,500 and 12,900 residents, respectively. **(Table 1)**

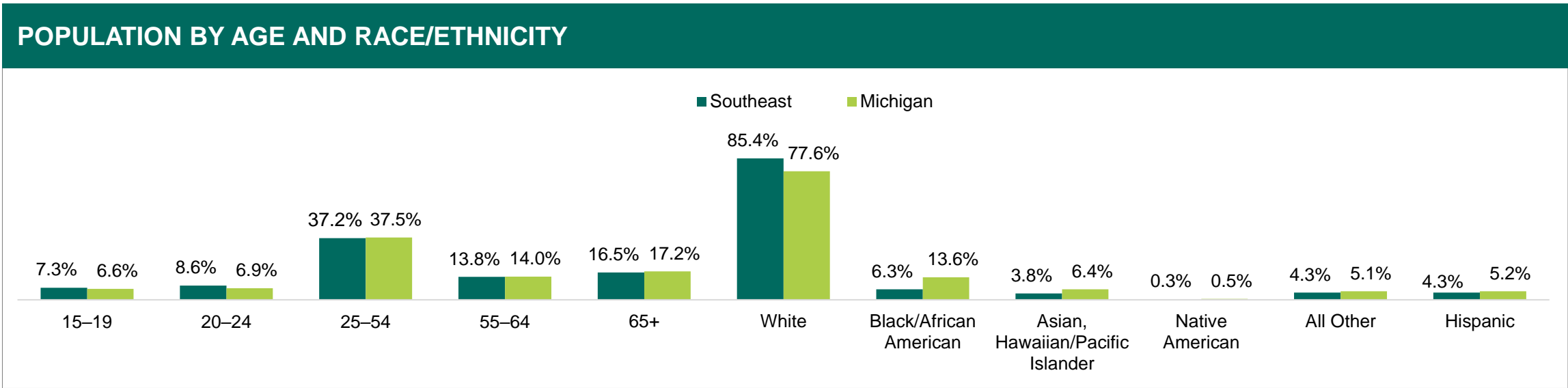Michigan's population grew by 193,700 residents from 2010 to 2020, an increase of 2.0 percent. **(Table 1)**
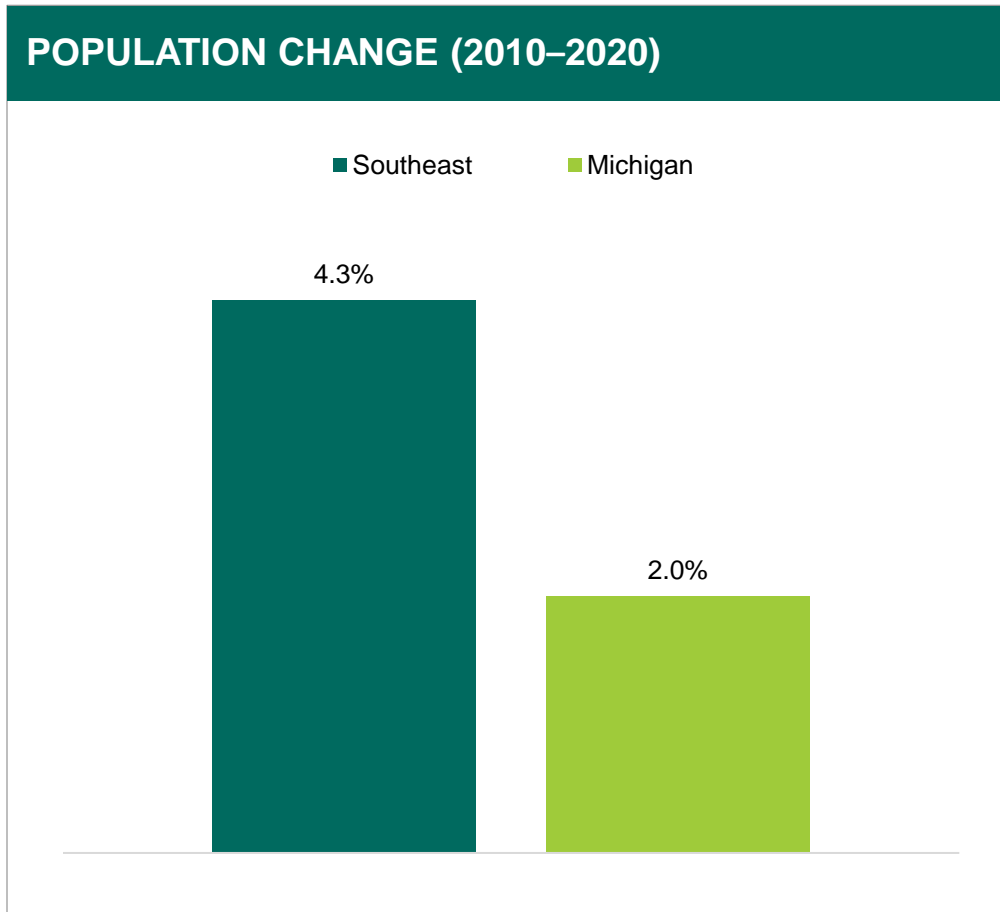
Southeast Michigan's population by age group is similar to the state.

The region's population by age hardly differed from the statewide average. Both Southeast and Michigan had just over 37 percent of its population within the group of 25 to 54 years of age and just over 30 percent age 55 and older. **(Table 2)**

Southeast Michigan's white residents made up 85.4 percent of its population, noticeably higher than the statewide average of 77.6 percent.

POPULATION BY AGE AND RACE/ETHNICITY

■ Southeast ■ Michigan

Category	Southeast	Michigan
15–19	7.3%	6.6%
20–24	8.6%	6.9%
25–54	37.2%	37.5%
55–64	13.8%	14.0%
65+	16.5%	17.2%
White	85.4%	77.6%
Black/African American	6.3%	13.6%
Asian, Hawaiian/Pacific Islander	3.8%	6.4%
Native American	0.3%	0.5%
All Other	4.3%	5.1%
Hispanic	4.3%	5.2%

Source: 2016–2020 American Community Survey Five-Year Estimates, U.S. Census Bureau

EDUCATIONAL ATTAINMENT (25 YEARS AND OLDER)

■ Southeast ■ Michigan

	Southeast	Michigan
Graduate or Professional Degree	16.0%	11.7%
Bachelor's Degree	20.3%	18.3%
Associate Degree	9.2%	9.6%
Some College	21.7%	23.2%
High School Diploma or GED	26.3%	28.5%
9th to 12th Grade	4.8%	6.0%
Less than 9th Grade	1.6%	2.7%

Southeast Michigan's residents typically have a higher level of educational attainment than statewide.

Over 36 percent of residents age 25 years and older in Southeast Michigan held a bachelor's degree or higher compared to 30.0 percent statewide. **(Table 3)**

Just 26.3 percent of individuals held a high school diploma or GED, just over 2 percentage points lower than the statewide average. For those with less than a high school degree, the region was also below the state at just 6.4 percent of residents compared to 8.7 percent in Michigan.
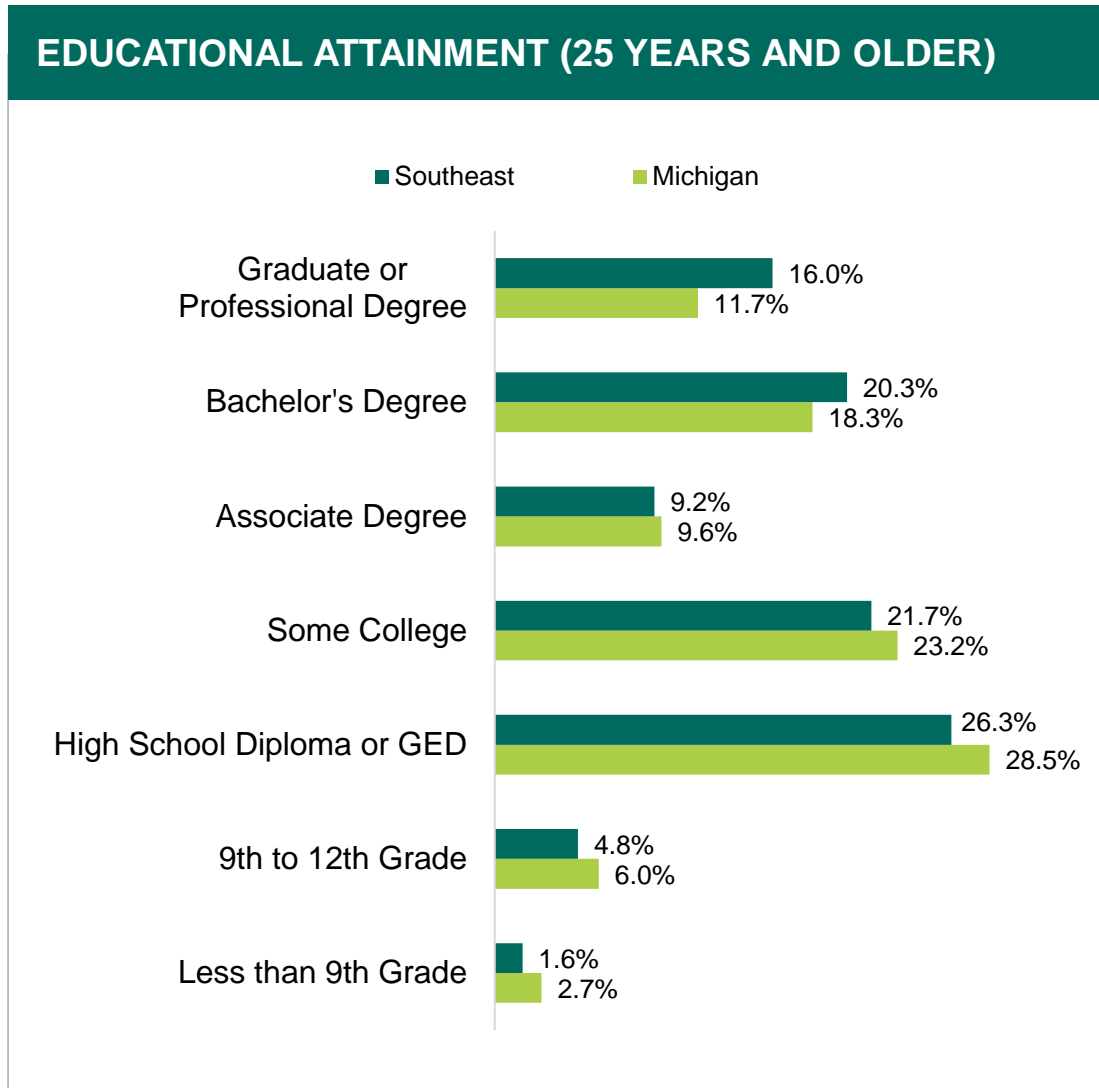
LABOR FORCE AND EMPLOYMENT

TRENDS AND CHARACTERISTICS

TABLES 4–7, 12

UNEMPLOYMENT RATES

Legend: 2015 | 2017 | 2019 | 2021

Southeast: 4.5, 4, 3.3, 4.9
Michigan: 5.4, 4.6, 4.1, 5.9
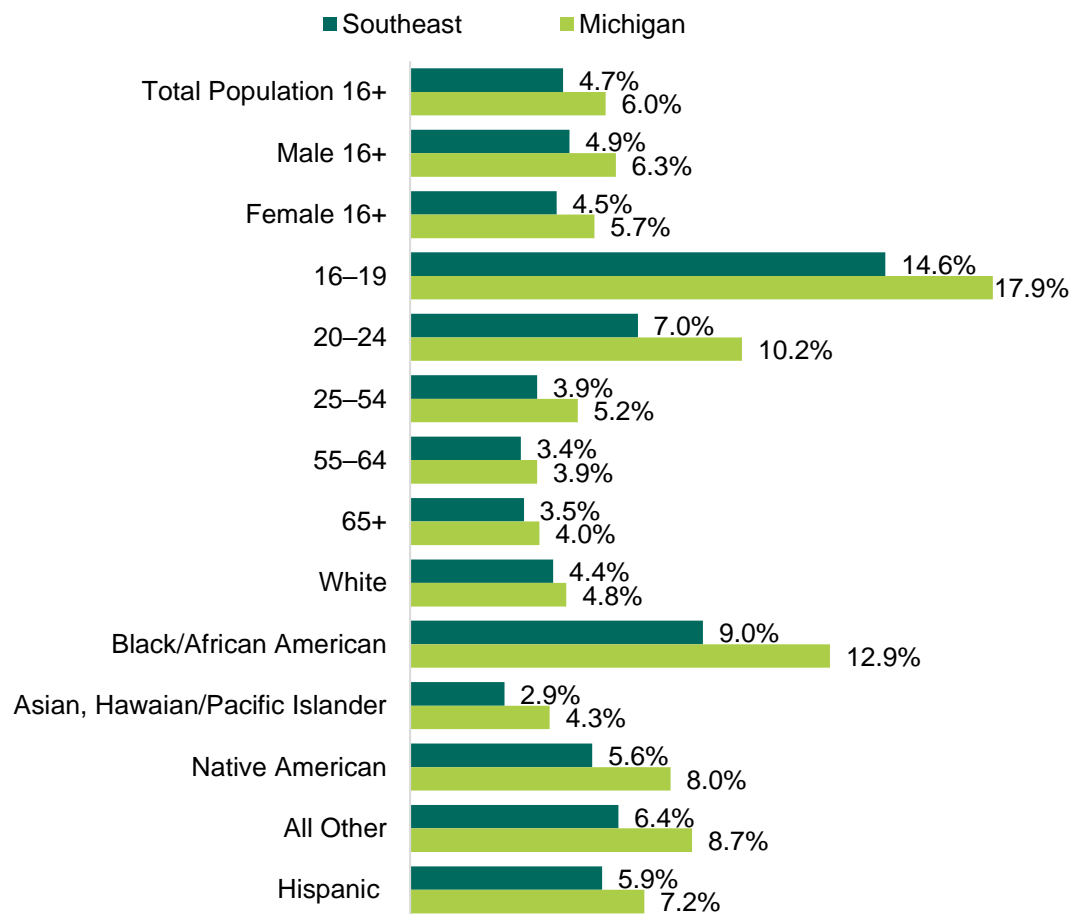United States: 5.3, 4.4, 3.7, 5.3
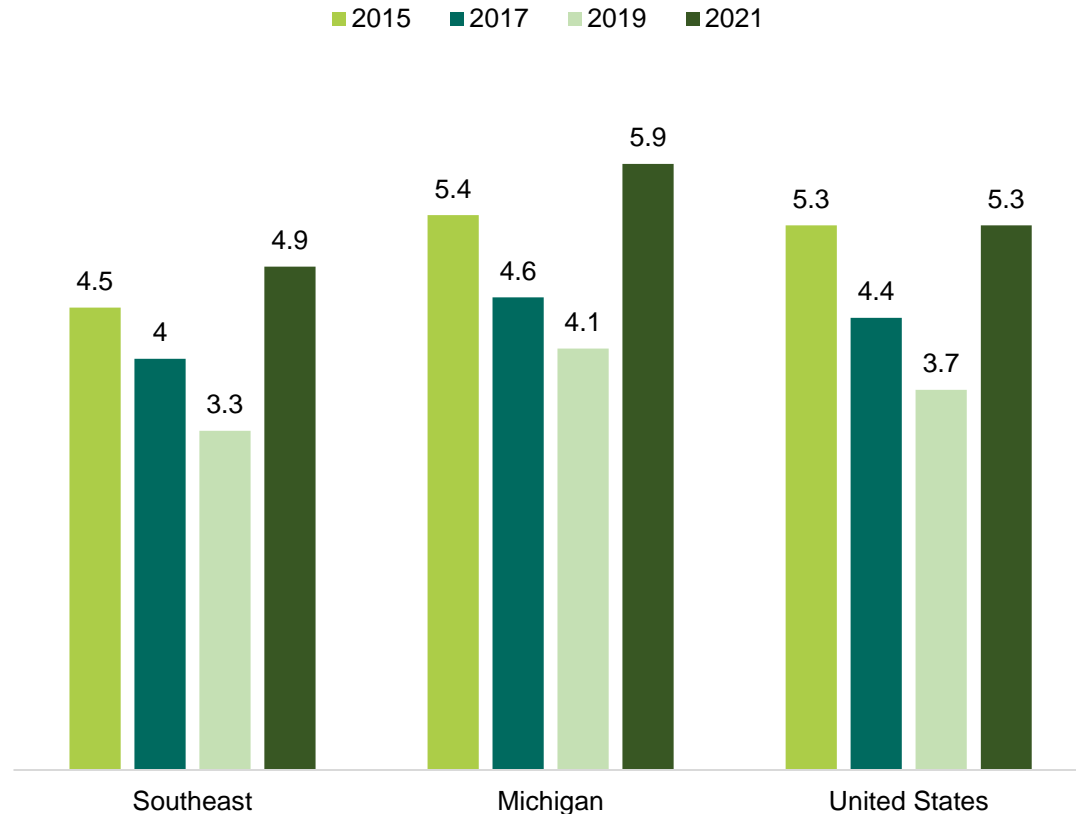
The Southeast region had an unemployment rate 1.0 percentage points lower than the state in 2021.

The Southeast region, Michigan, and the United States all experienced elevated unemployment rates in 2021 compared to years leading up to the pandemic. Southeast Michigan, however, was considerably less than the state at exactly 1.0 percentage points lower. **(Table 6)**

Since 2015, the region experienced an increase of just under 1,900 unemployed persons. Washtenaw County held the majority of this increase at just over 1,000 individuals. **(Table 12)**

UNEMPLOYMENT RATES BY GENDER, AGE, AND RACE/ETHNICITY

■ Southeast ■ Michigan

	Southeast	Michigan
Total Population 16+	4.7%	6.0%
Male 16+	4.9%	6.3%
Female 16+	4.5%	5.7%
16–19	14.6%	17.9%
20–24	7.0%	10.2%
25–54	3.9%	5.2%
55–64	3.4%	3.9%
65+	3.5%	4.0%
White	4.4%	4.8%
Black/African American	9.0%	12.9%
Asian, Hawaian/Pacific Islander	2.9%	4.3%
Native American	5.6%	8.0%
All Other	6.4%	8.7%
Hispanic	5.9%	7.2%

Source: 2016–2020 American Community Survey Five-Year Estimates, U.S. Census Bureau

The region sat below the state in unemployment rates for every demographic group.

During the 2016–2020 U.S. Census Bureau survey period, Southeast Michigan's 16+ population had an unemployment rate less than that of the state. Looking at age groups, the most noticeable difference was for those age 16–19. **(Table 7)**

Every group of individuals in the region by race/ethnicity also had lower unemployment rates than the statewide averages. However, the largest difference was for Black/African Americans at nearly 4 percentage points less than the state. **(Table 7)**

INDIVIDUALS WITH

BARRIERS TO EMPLOYMENT

TABLES 28–36

INDIVIDUALS WITH A DISABILITY

Legend: ■ Southeast ■ Michigan

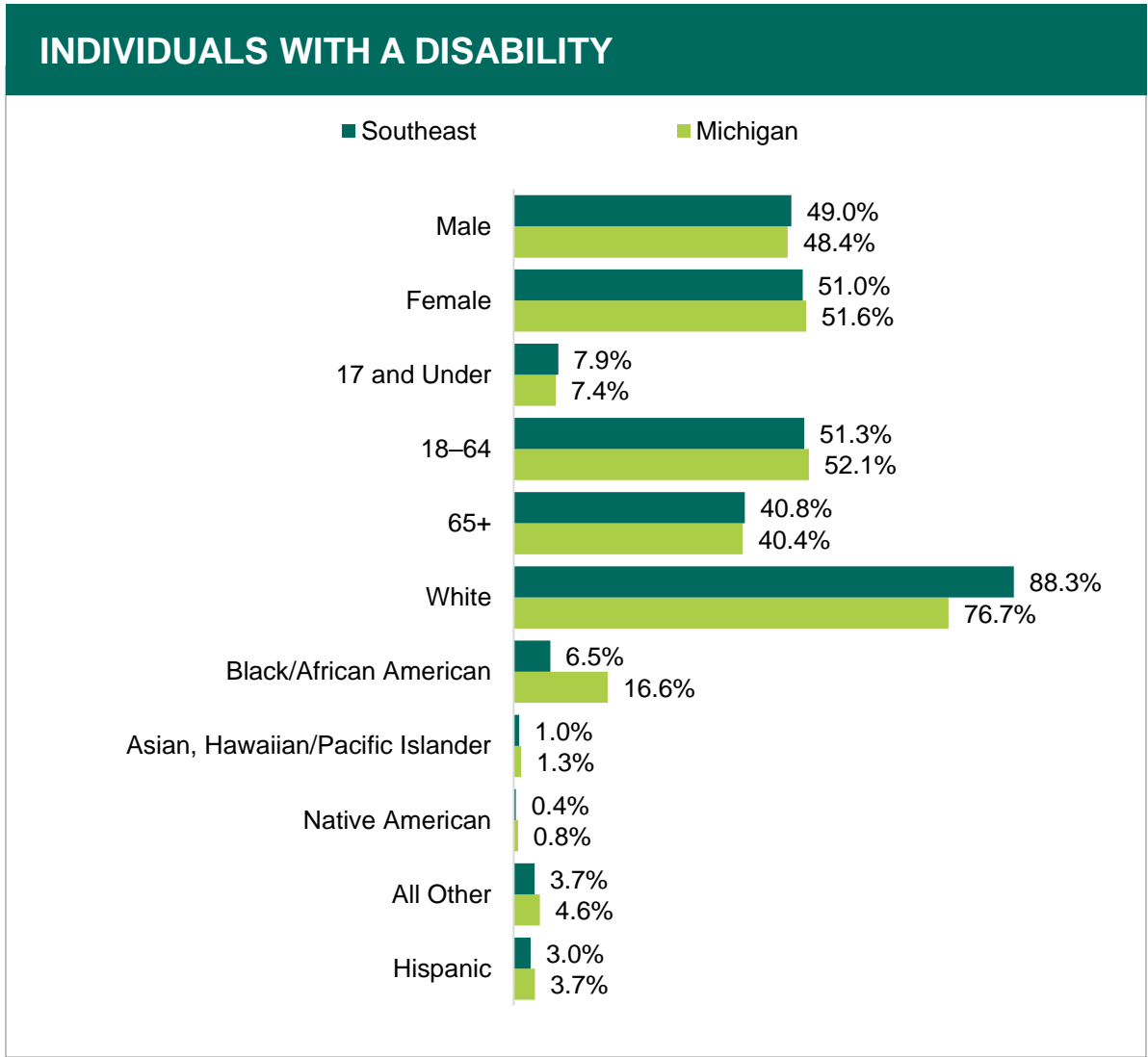| Category	Southeast	Michigan
Male	49.0%	48.4%
Female	51.0%	51.6%
17 and Under	7.9%	7.4%
18–64	51.3%	52.1%
65+	40.8%	40.4%
White	88.3%	76.7%
Black/African American	6.5%	16.6%
Asian, Hawaiian/Pacific Islander	1.0%	1.3%
Native American	0.4%	0.8%
All Other	3.7%	4.6%
Hispanic	3.0%	3.7%

Southeast Michigan has the lowest regional rate of disability in the state at 12.1 percent.

According to the U.S. Census Bureau, 120,500 individuals had a disability in Southeast Michigan, or 12.1 percent of its population. This is lower than all other nine regions in the state and below the statewide average of 13.7 percent. **(Table 28)**

The region was very similar to the statewide average with distributions of disabilities by gender and age. The distribution by race/ethnicity for the region more closely aligned to its overall population breakdown. **(Table 28)**
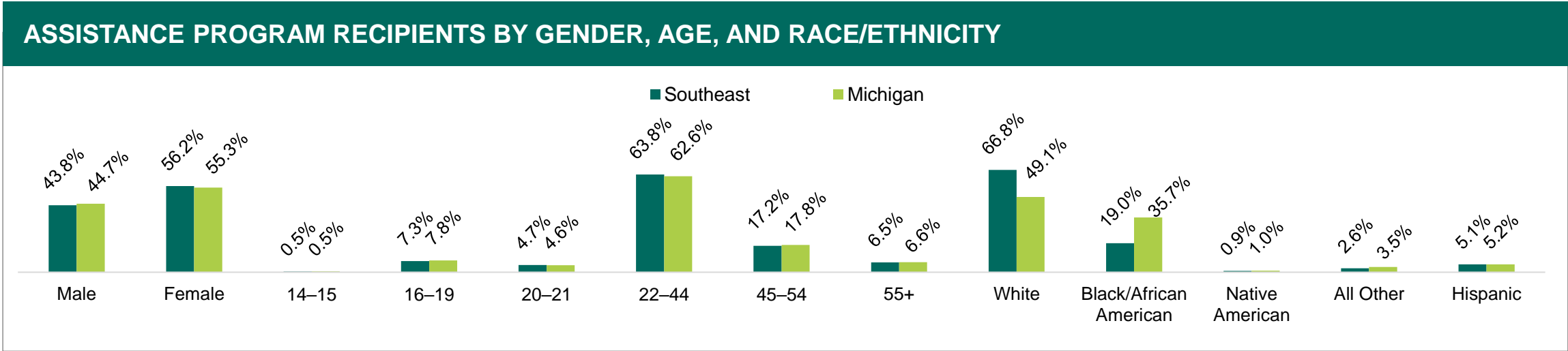
The number of assistance program recipients has increased in recent years.

Southeast Michigan had 24,200 assistance program recipients in December 2021 according to the Michigan Department of Health and Human Services. This was an increase of 5,800 recipients since December 2019. **(Table 30)**

Females made up nearly 56.2 percent of all program recipients, more than 12 percentage points above males. **(Table 30)**
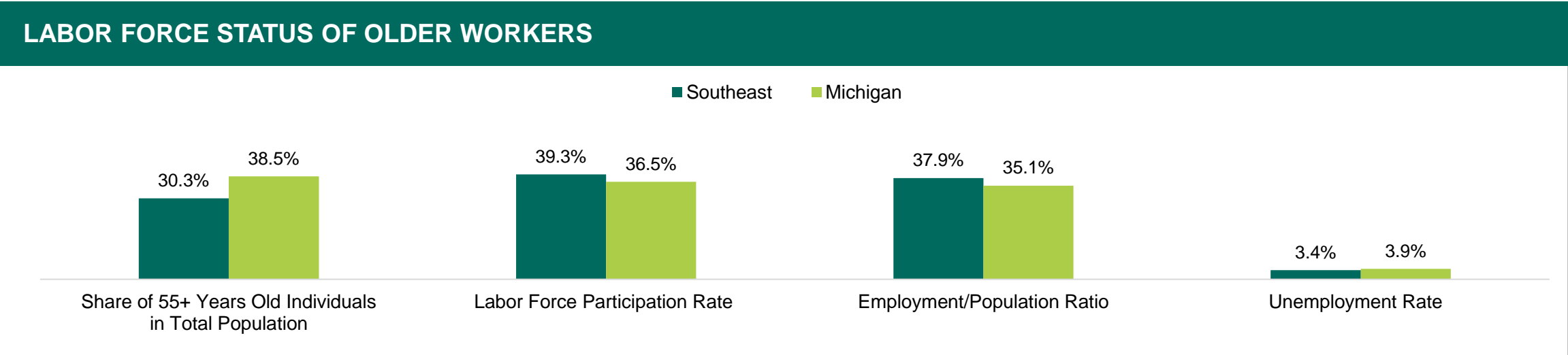
ASSISTANCE PROGRAM RECIPIENTS BY GENDER, AGE, AND RACE/ETHNICITY

■ Southeast ■ Michigan

Category	Southeast	Michigan
Male	43.8%	44.7%
Female	56.2%	55.3%
14–15	0.5%	0.5%
16–19	7.3%	7.8%
20–21	4.7%	4.6%
22–44	63.8%	62.6%
45–54	17.2%	17.8%
55+	6.5%	6.6%
White	66.8%	49.1%
Black/African American	19.0%	35.7%
Native American	0.9%	1.0%
All Other	2.6%	3.5%
Hispanic	5.1%	5.2%

Southeast Michigan has a lesser share of older individuals in its population than the state.

The Southeast region had a share of just 30.3 percent of individuals age 55 and older in its total population, over 8 percentage points less than the statewide average. **(Table 35)**

Although they make up a smaller portion of the region's overall population, individuals age 55 and older participate in the labor force at a higher rate than the state. **(Table 35)**

LABOR FORCE STATUS OF OLDER WORKERS

Legend: ■ Southeast ■ Michigan

	Southeast	Michigan
Share of 55+ Years Old Individuals in Total Population	30.3%	38.5%
Labor Force Participation Rate	39.3%	36.5%
Employment/Population Ratio	37.9%	35.1%
Unemployment Rate	3.4%	3.9%

POVERTY BY GENDER AND RACE/ETHNICITY

■ Southeast ■ Michigan

Female
- Southeast: 12.4%
- Michigan: 14.8%

Male
- Southeast: 10.3%
- Michigan: 12.6%

White
- Southeast: 10.0%
- Michigan: 10.9%

Black/African American
- Southeast: 22.9%
- Michigan: 27.5%

Asian, Hawaiian/Pacific Islander
- Southeast: 19.3%
- Michigan: 12.8%

Native American
- Southeast: 11.8%
- Michigan: 21.3%

All Other Race(s)
- Southeast: 16.4%
- Michigan: 20.0%

Hispanic
- Southeast: 18.1%
- Michigan: 20.7%

Source: 2016–2020 American Community Survey Five-Year Estimates, U.S. Census Bureau

Southeast Michigan's poverty rate is below the statewide average.

The statewide average poverty rate was 13.7 percent for the 2016–2020 survey period. Southeast Michigan had an overall rate of 11.4 percent, 2.3 percentage points lower than statewide. **(Table 36)**

Southeast Michigan had lower average poverty rates for all breakdowns compared to Michigan, except Asians and Hawaiian/Pacific Islanders. Southeast Michigan's Black/African Americans had a larger share of their population in poverty, compared to other groups in the region. It was, however, 4.6 percentage points less than the statewide average. **(Table 36)**
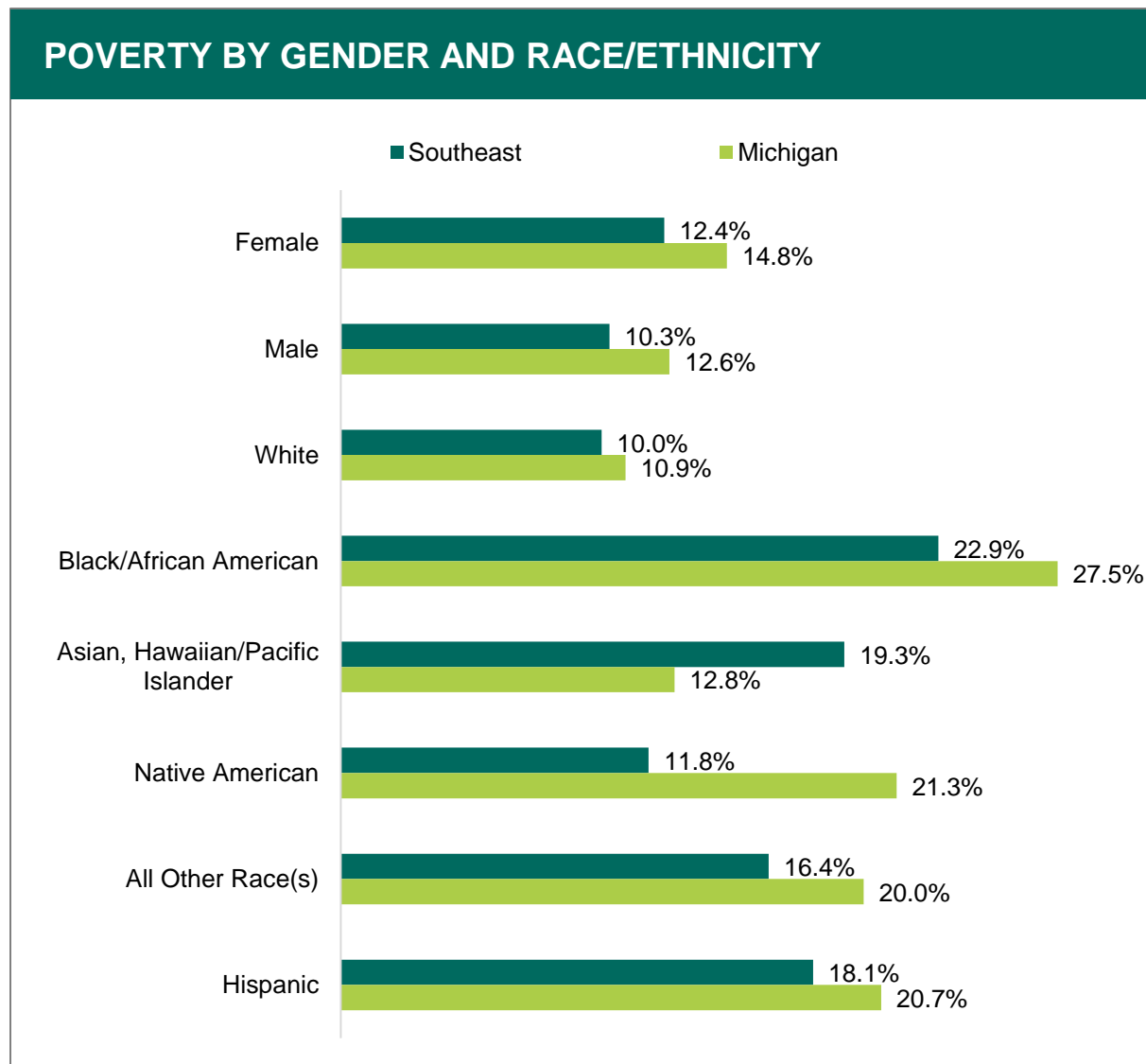
IN-DEMAND INDUSTRY SECTORS AND OCCUPATIONS

TABLES 8–11, 17–26

DISTRIBUTION OF INDUSTRY JOBS, SECOND QUARTER 2021

Legend: ■ Southeast ■ Michigan

Industry	Southeast	Michigan
Trade, Transportation, and Utilities	22.6%	22.4%
Education and Health Services	18.7%	19.2%
Professional and Business Services	16.1%	18.1%
Manufacturing	15.0%	15.3%
Leisure and Hospitality	11.4%	7.8%
Construction	4.9%	4.7%
Financial Activities	4.6%	6.7%
Other Services	3.7%	3.1%
Information	2.0%	1.6%
Natural Resources and Mining	0.7%	1.1%

Source: Quarterly Census of Employment and Wages, Bureau of Labor Market Information and Strategic Initiatives, Michigan Department of Technology, Management & Budget

Many industries share similar levels of distribution to the statewide average.

Both Southeast Michigan and the state had the largest distribution of industry jobs within *Trade, transportation, and utilities*. During the second quarter of 2021, this industry sector held 65,600 of the 290,500 jobs in the region.

Michigan shares similar levels of distribution among its industries. The largest percentage point difference between the Southeast region and the state was for *Leisure and hospitality* where Michigan sat 3.6 percentage points lower in the second quarter of 2021. **(Table 8)**
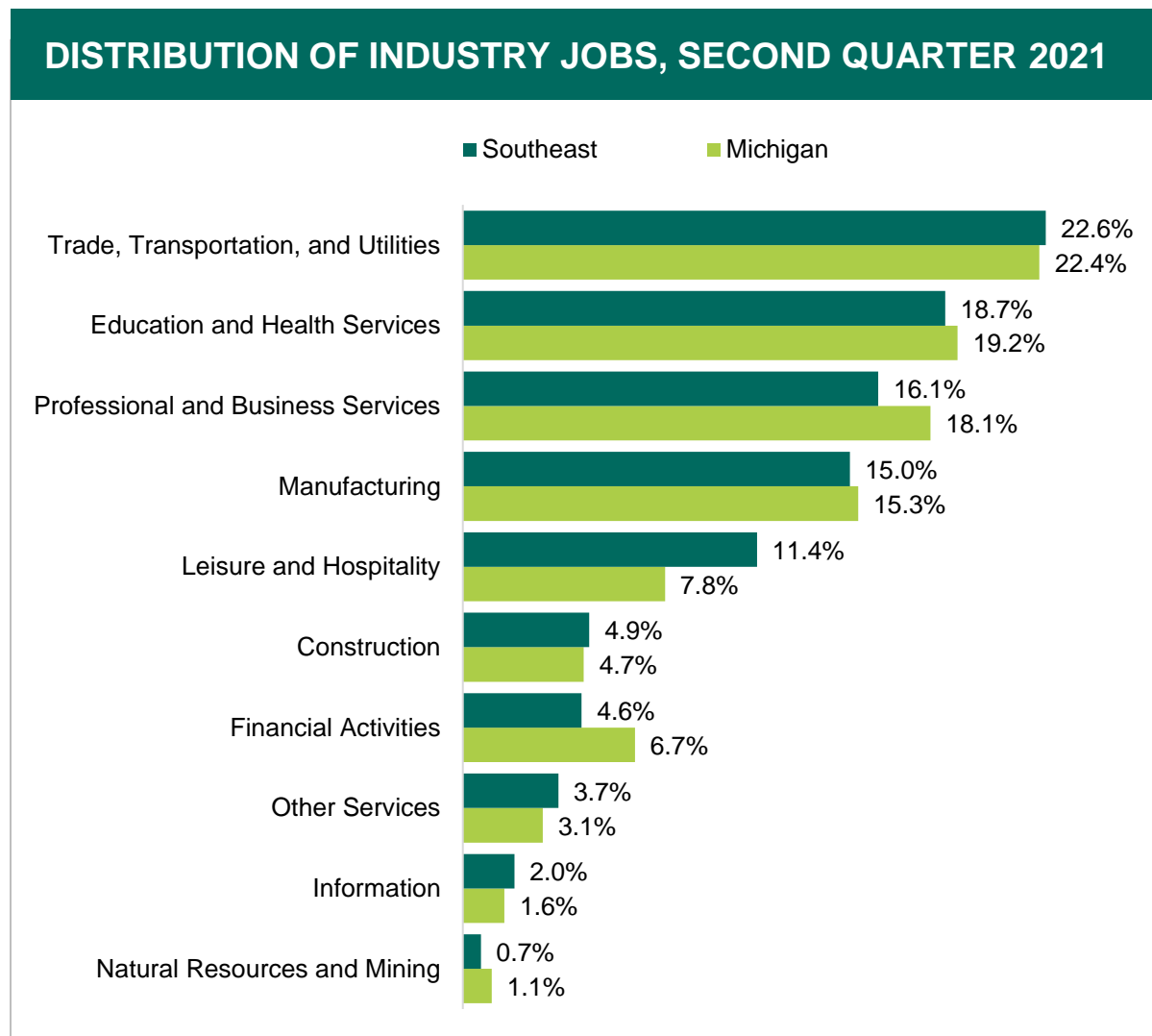
PRIVATE SECTOR JOB TRENDS, SECOND QUARTER 2015–2021
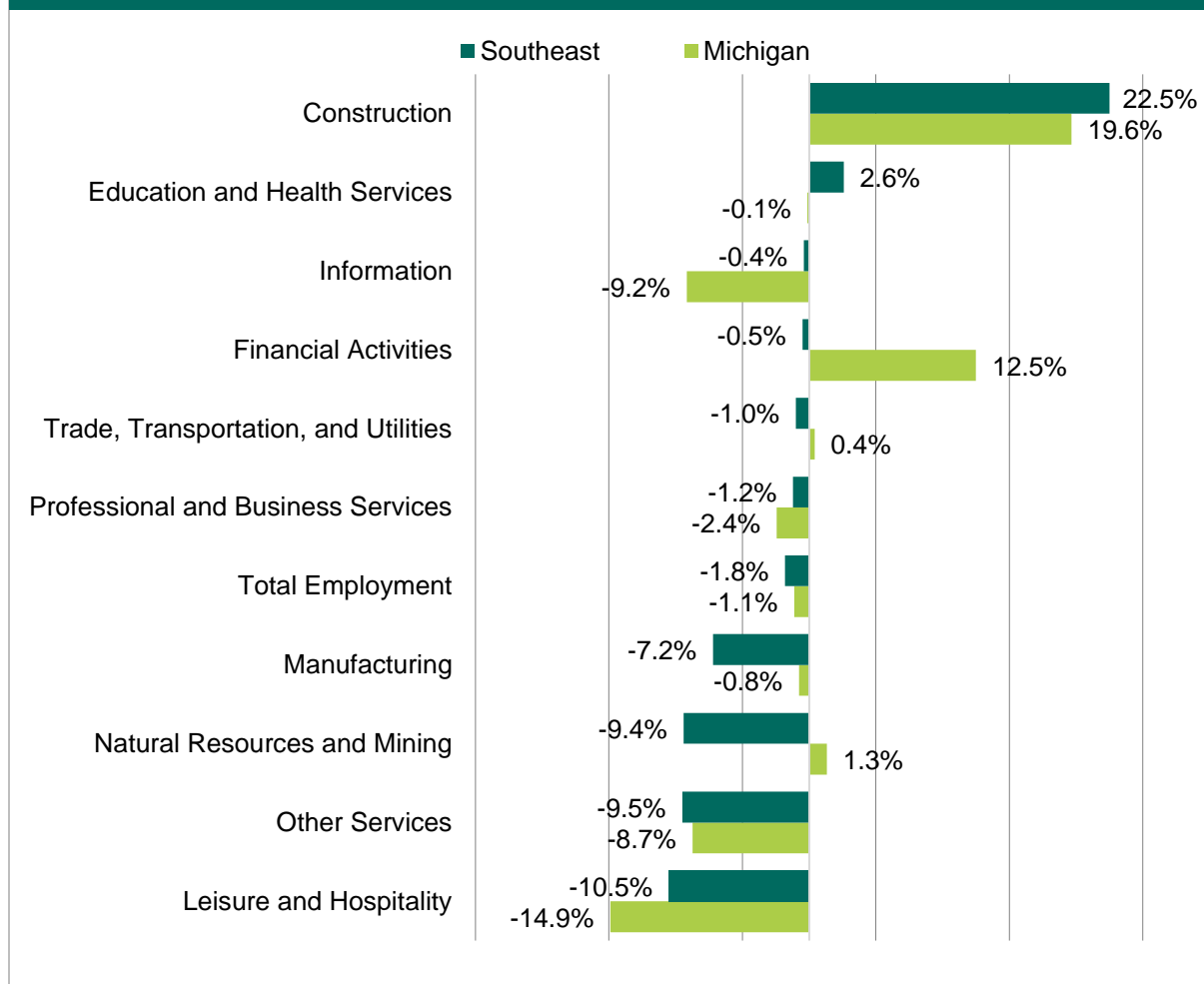
- Southeast
- Michigan

Sector	Southeast	Michigan
Construction	22.5%	19.6%
Education and Health Services	2.6%	-0.1%
Information	-0.4%	-9.2%
Financial Activities	-0.5%	12.5%
Trade, Transportation, and Utilities	-1.0%	0.4%
Professional and Business Services	-1.2%	-2.4%
Total Employment	-1.8%	-1.1%
Manufacturing	-7.2%	-0.8%
Natural Resources and Mining	-9.4%	1.3%
Other Services	-9.5%	-8.7%
Leisure and Hospitality	-10.5%	-14.9%

Source: Quarterly Census of Employment and Wages, Bureau of Labor Market Information and Strategic Initiatives, Michigan Department of Technology, Management & Budget

Nearly all industry sectors had job losses since 2015.

Total private employment in Southeast Michigan declined by 1.8 percent (-5,400 jobs) from the second quarter of 2015 to the second quarter of 2021. Nearly every industry sector faced decline at both the regional and statewide level. **(Table 8)**

The only two industry sectors to show growth in Southeast Michigan were *Construction* (2,600 jobs) and *Education and Health Services* (1,400 jobs). **(Table 8)**

Two noticeable differences between statewide and regional averages were *Financial activities*, which declined slightly in the region but grew significantly across the state, and *Natural resources and mining*, which declined heavily at the regional level and increased slightly in the state. **(Table 8)**
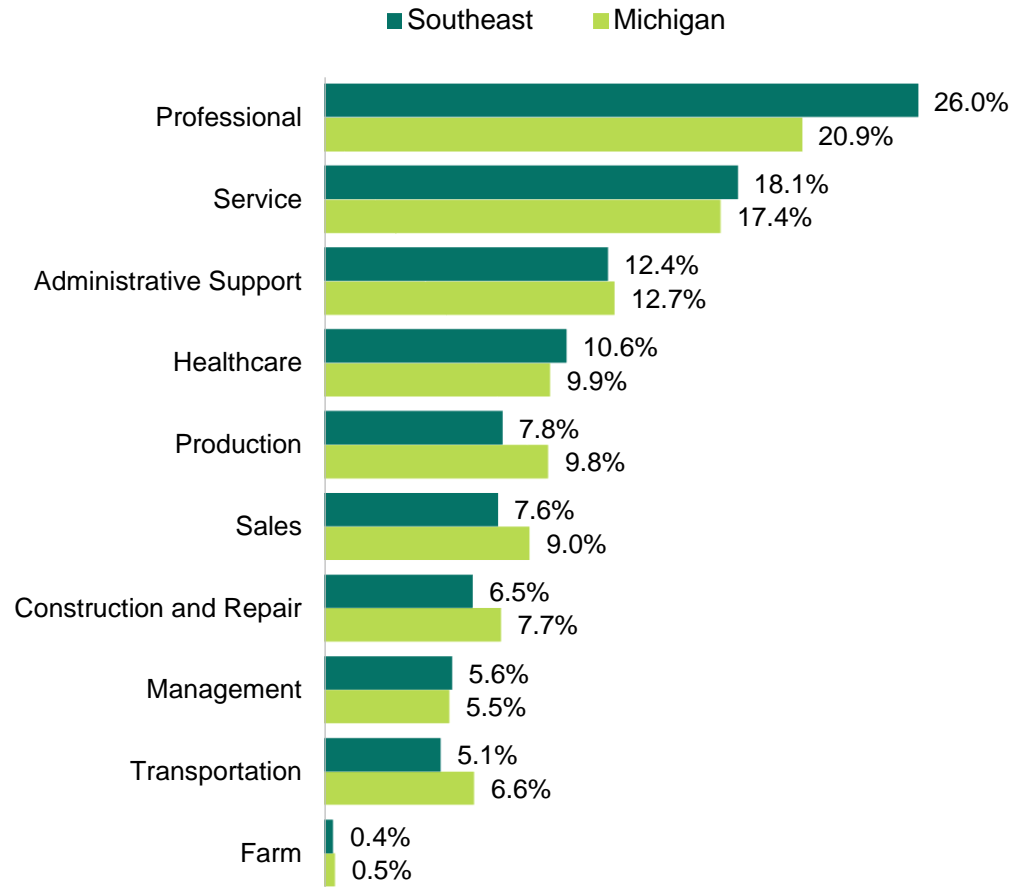
ONLINE ADVERTISED JOB POSTINGS, SOUTHEAST

JOB TITLE	NUMBER
Registered Nurses	4,503
Retail Salespersons	4,109
First-Line Supervisors of Retail Sales Workers	2,602
Customer Service Representatives	2,410
Fast Food and Counter Workers	2,396
Home Health and Personal Care Aides	2,184
Sales Reps., Except Tech. and Scientific Products	2,108
Janitors and Cleaners, Except Housekeepers	1,973
Personal Service & Entertainment Mangers, All Other	1,951
Laborers and Freight, Stock and Material Movers	1,890

Online job postings reached 105,600 during 2021.

There were 105,600 total online job advertisements for Southeast Michigan throughout 2021. Of these, just over 4 percent were looking for *Registered nurses*. The top three posted occupations combined made up over 10 percent of the total online openings. **(Table 18)**

Just under half of all online job advertisements were within four occupational groups during this time period: *Sales and related* (12 percent), *Healthcare practitioners and technical* (12 percent), *Office and administrative support* (11 percent), and *Management* (10 percent). **(Table 17)**

PROJECTED 2028 DISTRIBUTION OF JOBS BY BROAD OCCUPATIONAL GROUPS

Legend: ■ Southeast ■ Michigan

Occupational Group	Southeast	Michigan
Professional	26.0%	20.9%
Service	18.1%	17.4%
Administrative Support	12.4%	12.7%
Healthcare	10.6%	9.9%
Production	7.8%	9.8%
Sales	7.6%	9.0%
Construction and Repair	6.5%	7.7%
Management	5.6%	5.5%
Transportation	5.1%	6.6%
Farm	0.4%	0.5%

Employment is projected to grow by 1.2 percent in the region.

The *Professional* occupational group is the largest occupational group in the region, contributing 26.0 percent of all jobs by 2028. Statewide, the *Professional* occupational group will contribute 5.1 percentage points less to the total labor force than in Southeast Michigan. **(Table 19)**

Outside of the *Professional* occupational group, the region and Michigan have similar levels of projected employment distribution. **(Table 19)**

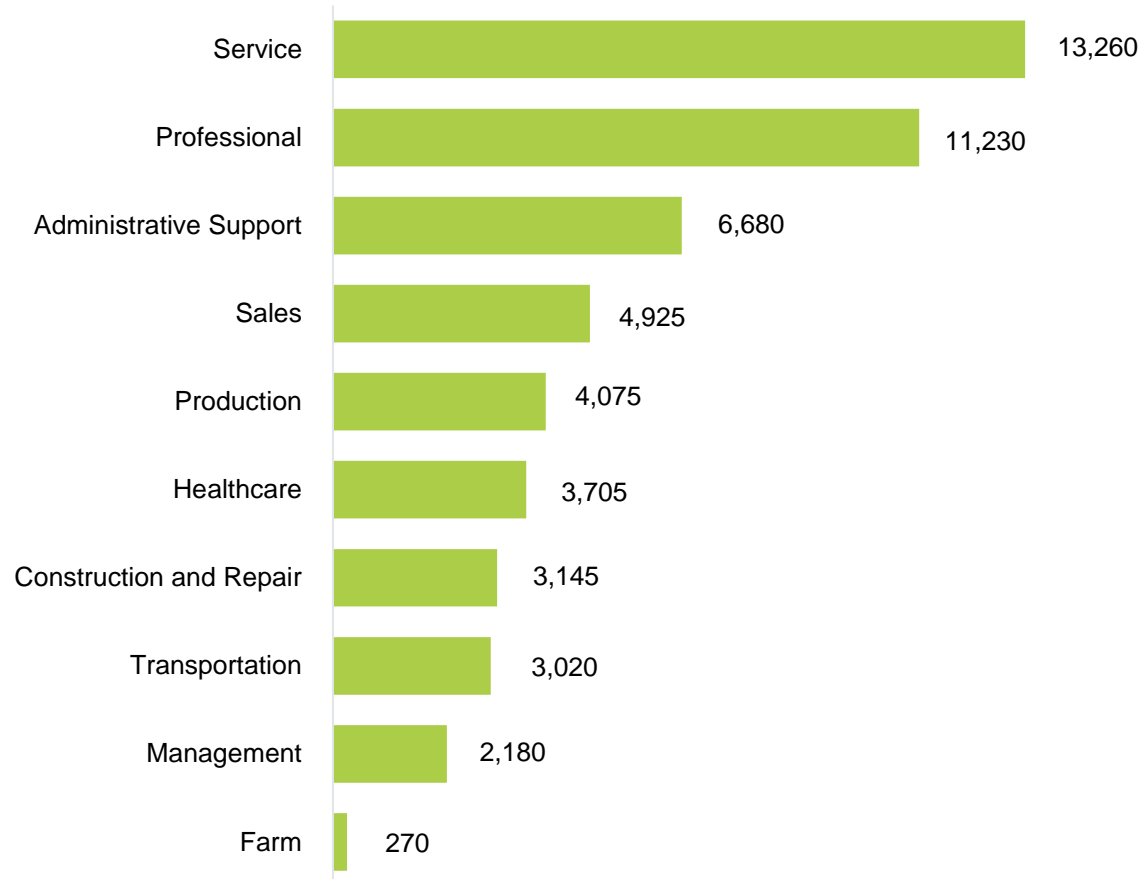**PROJECTED PERCENT GROWTH BY BROAD OCCUPATIONAL GROUPS (2018–2028)**

■ Southeast ■ Michigan

Occupational Group	Southeast	Michigan
Professional	5.0%	2.5%
Healthcare	4.5%	5.7%
Service	3.4%	2.4%
Construction and Repair	2.8%	2.5%
Management	2.2%	1.5%
Transportation	1.4%	1.3%
Average Growth	1.2%	0.1%
Farm	-1.2%	-0.8%
Sales	-4.2%	-4.3%
Production	-4.4%	-4.0%
Administrative Support	-6.2%	-6.9%
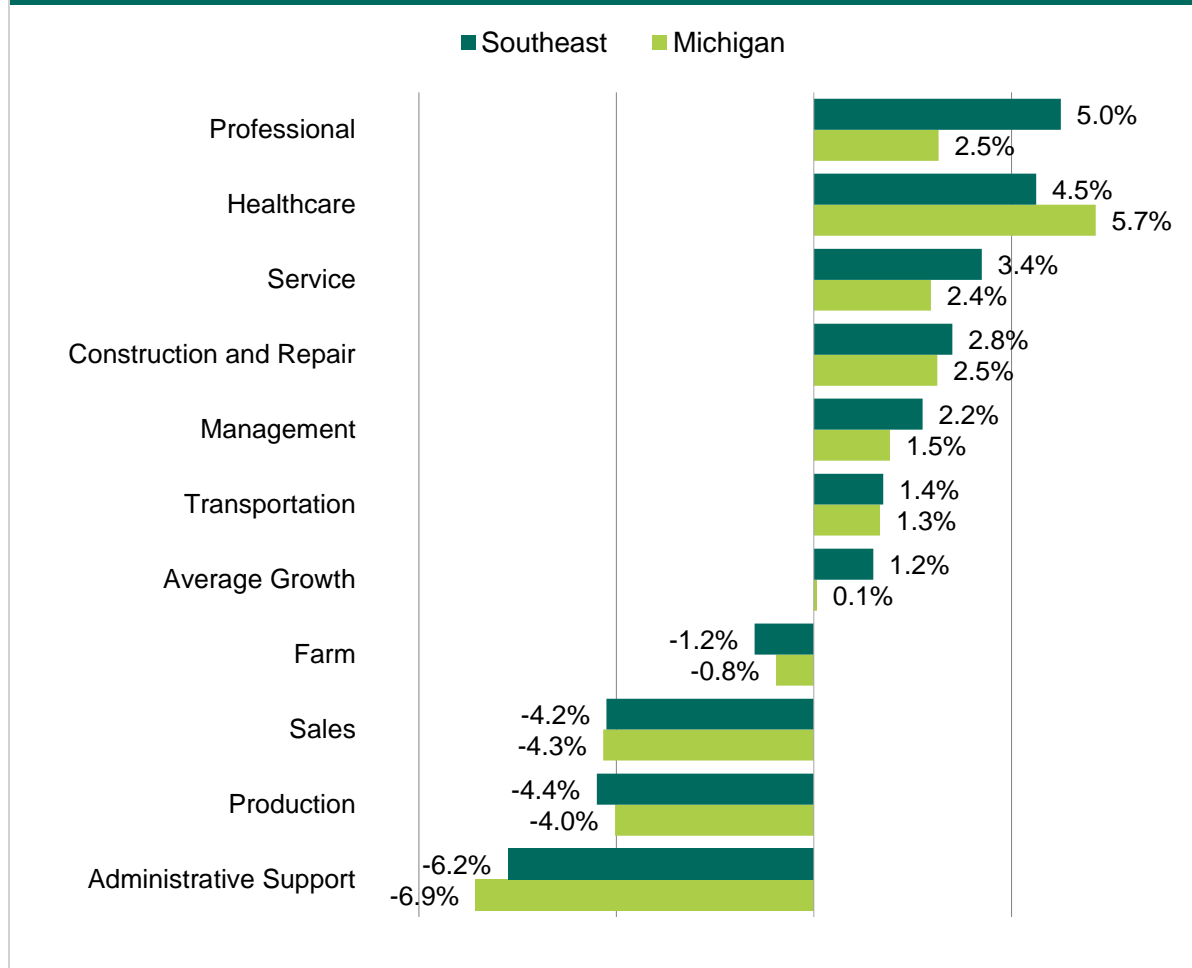
Total employment in the region is expected to grow more than the statewide average.

Southeast Michigan's total employment is projected to grow by 1.2 percent through 2028, over 1.0 percentage points greater than the statewide average. **(Table 19)**

Within the region, *Professional, Healthcare*, and *Service* are projected to grow the most in the region from 2018 to 2028. **(Table 19)**

PROJECTED ANNUAL OPENINGS BY BROAD OCCUPATIONAL GROUPS (2018–2028)

Occupational Group	Projected Annual Openings
Service	13,260
Professional	11,230
Administrative Support	6,680
Sales	4,925
Production	4,075
Healthcare	3,705
Construction and Repair	3,145
Transportation	3,020
Management	2,180
Farm	270

Service is projected to have 25 percent of the total annual openings in Southeast Michigan.

In Southeast Michigan there are projected to be 52,500 annual openings from 2018 to 2028. Of these, 25.3 percent will be within *Service.*

Together*, Professional* and *Service* occupations are projected to account for 46.7 percent of the total annual openings in the region. These two occupational groups held a large employment base in 2018 and are expected to continue their high levels of employment and openings. **(Table 20)**

PROJECTED 2028 OCCUPATIONAL EMPLOYMENT BY EDUCATION (SHARE OF TOTAL)
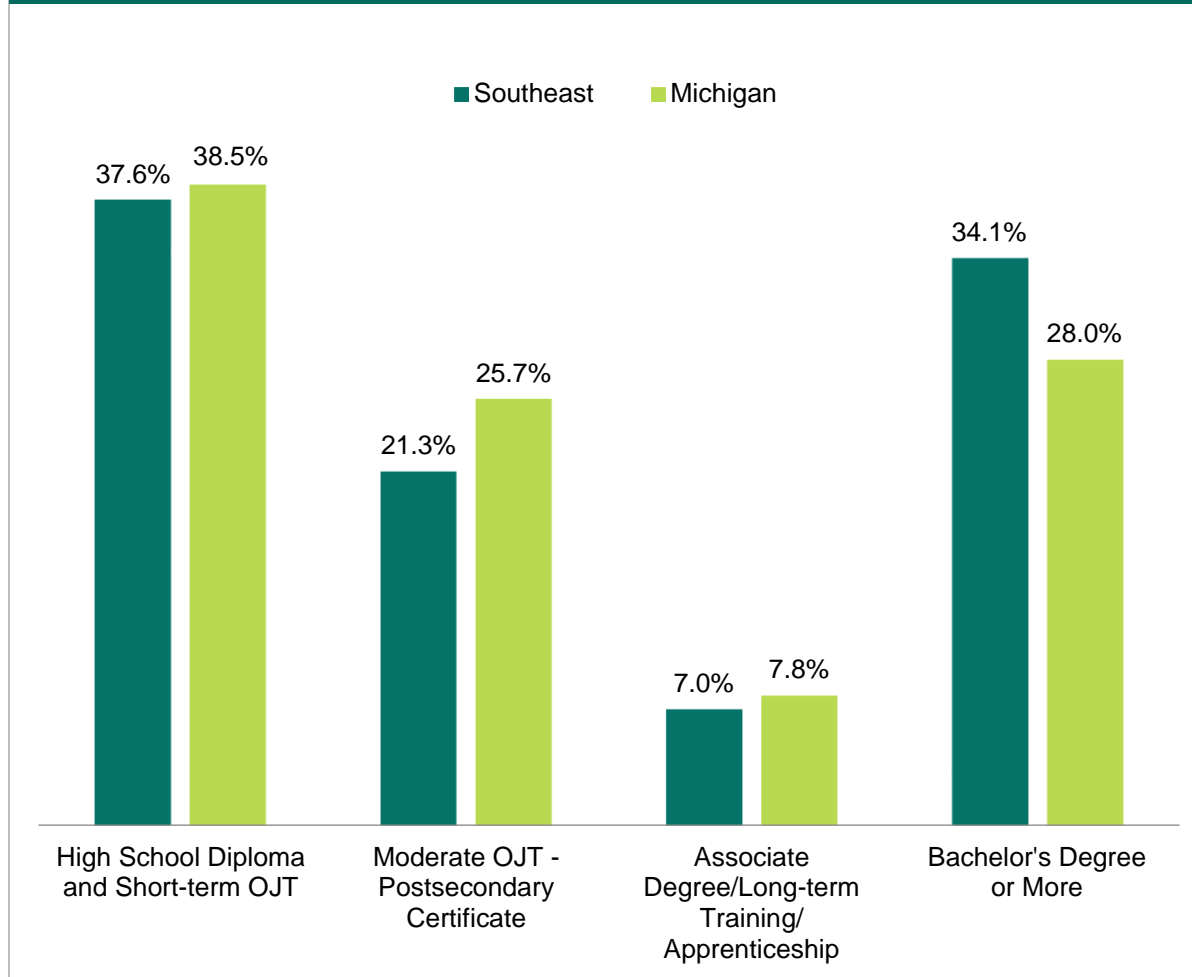
Legend: Southeast, Michigan

Category	Southeast	Michigan
High School Diploma and Short-term OJT	37.6%	38.5%
Moderate OJT - Postsecondary Certificate	21.3%	25.7%
Associate Degree/Long-term Training/Apprenticeship	7.0%	7.8%
Bachelor's Degree or More	34.1%	28.0%

More of the region's jobs will require a bachelor's degree or more compared to the statewide average.

Just over 34 percent of occupations in Southeast Michigan will require a bachelor's degree or more by 2028. This is over 6 percentage points above the projected statewide average.

For every other level of education and training, the region falls slightly behind the state in distribution levels.

PROJECTED 2028 OCCUPATIONAL GROWTH BY EDUCATION

Legend: ■ Southeast ■ Michigan

- Bachelor's Degree or More: Southeast 5.1%, Michigan 3.4%
- Associate Degree/Long-term Training/Apprenticeship: Southeast 3.1%, Michigan 2.1%
- Moderate OJT - Postsecondary Certificate: Southeast -0.3%, Michigan -1.8%
- High School and Short-term OJT: Southeast -1.5%, Michigan -1.1%
- Average Growth: Southeast 1.2%, Michigan 0.1%

Occupations requiring higher levels of education are projected to grow the most.

The region is expected to have the highest projected growth among occupations requiring a bachelor's degree or more. The growth of 5.1 percent equates to an additional 6,540 employed from 2018 to 2028.

The average growth rate for the region is projected to outpace the state by 1.1 percentage points. The growth of 1.2 percent in Southeast Michigan equates to an additional 5,440 in employment.

HIGH-DEMAND, HIGH-WAGE OCCUPATIONS REQUIRING AT LEAST A BACHELOR'S DEGREE
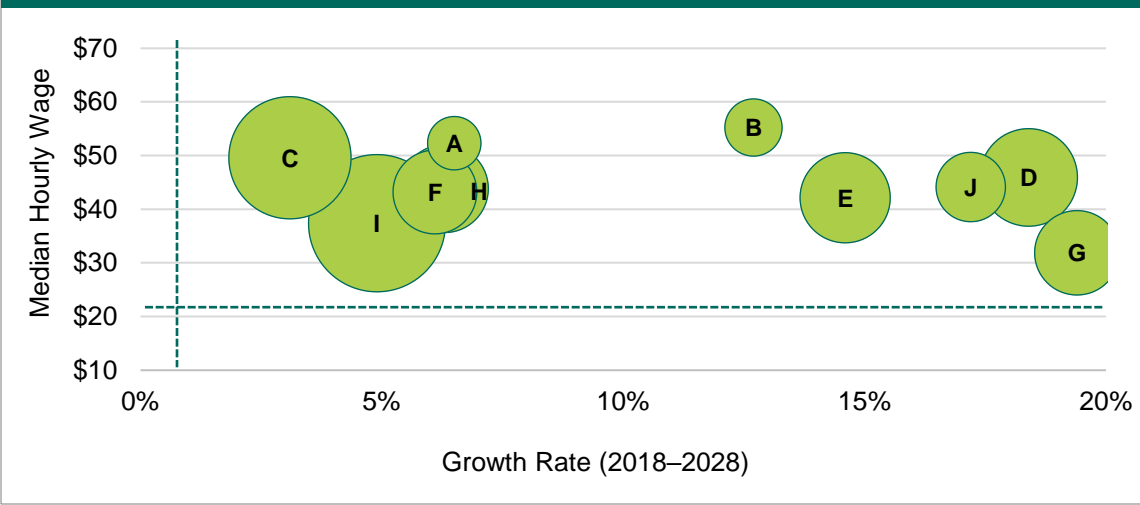
Dotted lines mark the average projected growth rate (1.2 percent) and the median hourly wage ($20.32) for the region.

A	Education Administrators, Postsecondary	**F**	Management Analysts
B	Financial Managers	**G**	Market Research Analysts and Marketing Specialists
C	General and Operations Managers	**H**	Mechanical Engineers
D	Health Specialties Teachers, Postsecondary	**I**	Registered Nurses
E	Industrial Engineers	**J**	Software Developers, Applications

Jobs requiring a bachelor's degree or higher are often faster growing and high-wage.

High-demand, high-wage occupations are careers that show a favorable mix of long-term job growth, projected annual openings, and median wages through 2028.

Occupations requiring a bachelor's degree or higher, which have the highest level of required education/training, are often among the fastest growing and those with the highest wage.

Some examples of these occupations include *Financial managers, Registered nurses*, and *Software developers, applications*. **(Table 23)**

HIGH-DEMAND, HIGH-WAGE OCCUPATIONS REQUIRING AN ASSOCIATE DEGREE, LONG-TERM TRAINING, OR AN APPRENTICESHIP
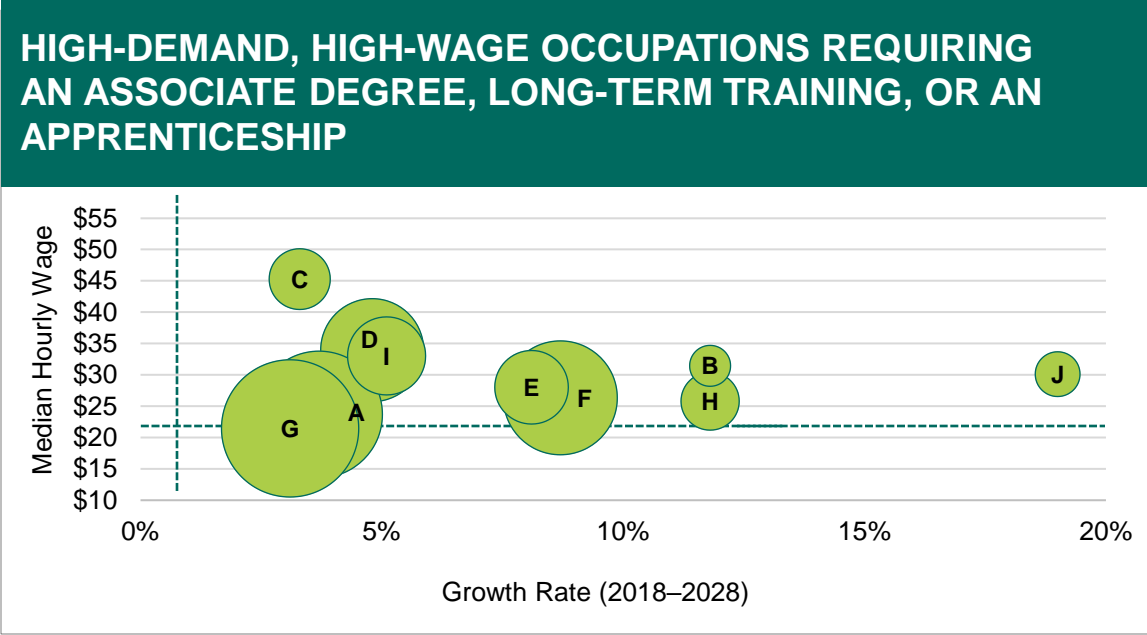
Median Hourly Wage vs. Growth Rate (2018–2028)

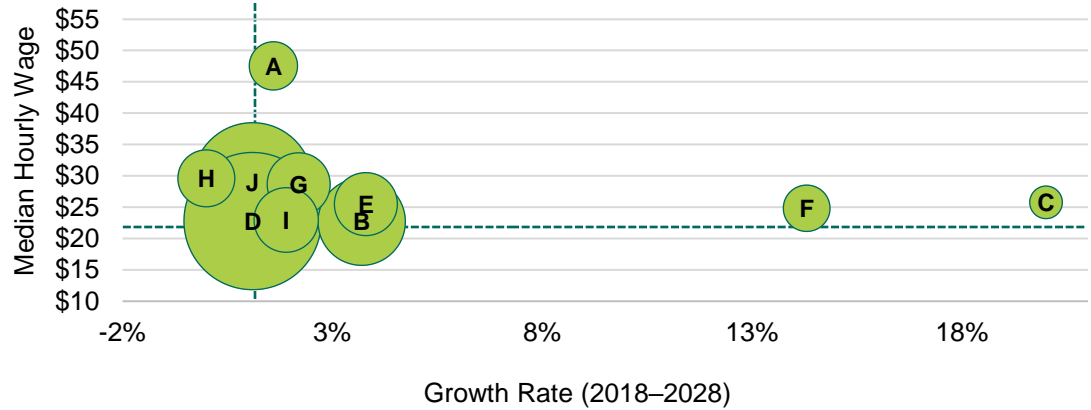**Dotted lines mark the average projected growth rate (1.2 percent) and the median hourly wage ($20.32) for the region.**

A	Carpenters	F	Industrial Machinery Mechanics
B	Diagnostic Medical Sonographers	G	Machinists
C	Electrical Power-Line Installers and Repairers	H	Physical Therapist Assistants
D	Electricians	I	Plumbers, Pipefitters, and Steamfitters
E	HVAC and Refrigeration Mechanics and Installers	J	Respiratory Therapists

Source: 2018–2028 Employment Projections, Bureau of Labor Market Information and Strategic Initiatives, Michigan Department of Technology, Management & Budget

Jobs requiring an associate degree, long-term training, or an apprenticeship are often in high demand.

Jobs that typically require an associate degree, long-term training, or an apprenticeship met the criteria for being high-demand and high-wage in the region.

Occupations typically requiring this level of educational attainment while still being high-demand and high-wage in the region include *Diagnostic medical sonographers, Machinists,* and *Respiratory therapists*. **(Table 24)**

HIGH-DEMAND, HIGH-WAGE OCCUPATIONS REQUIRING A POSTSECONDARY CERTIFICATE OR MODERATE-TERM TRAINING

Dotted lines mark the average projected growth rate (1.2 percent) and the median hourly wage ($20.32) for the region.

A	Commercial Pilots	**F**	Massage Therapists
B	Computer User Support Specialists	**G**	Operating Engineers
C	Dental Laboratory Technicians	**H**	Police and Sheriff's Patrol Officers
D	Heavy and Tractor-Trailer Truck Drivers	**I**	Production, Planning, and Expediting Clerks
E	Insurance Sales Agents	**J**	Sales Reps., Except Tech. and Scientific Products

Many skilled trades jobs requiring postsecondary education are among the region's high-demand, high-wage occupations.

Occupations that require a postsecondary certificate or moderate-term training can typically be achieved in less than a year, but longer than a month. These occupations meet the criteria of being high-demand and high-wage.
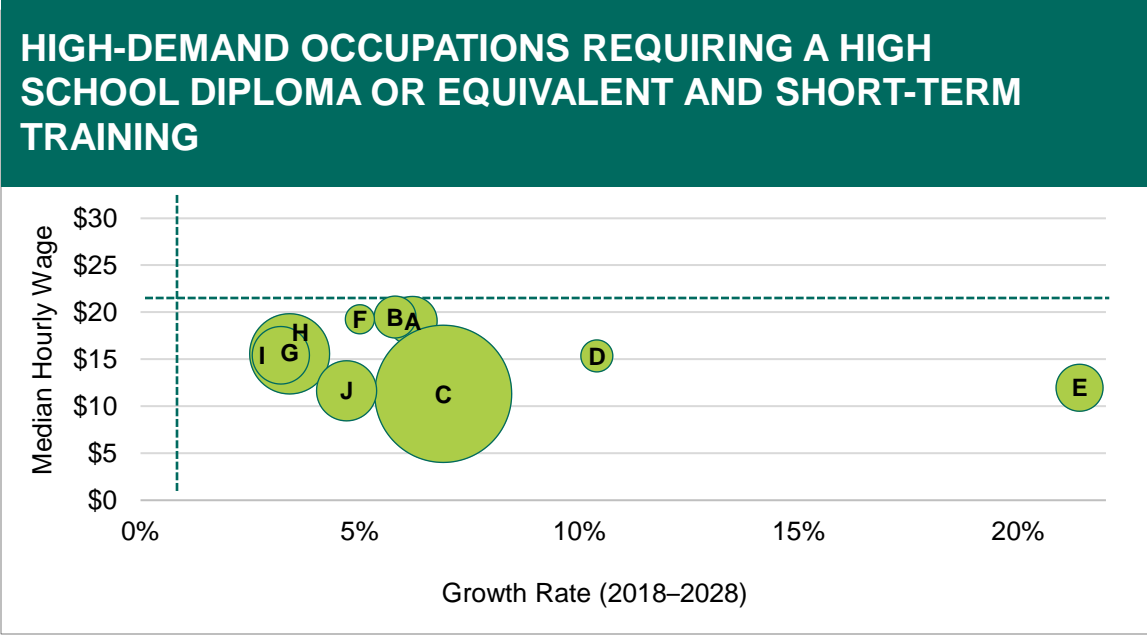
Some of the occupations within these guidelines include *Commercial pilots, Insurance sales agents,* and *Police and sheriff's patrol officers*. **(Table 25)**

HIGH-DEMAND OCCUPATIONS REQUIRING A HIGH SCHOOL DIPLOMA OR EQUIVALENT AND SHORT-TERM TRAINING

Dotted lines mark the average projected growth rate (1.2 percent) and the median hourly wage ($20.32) for the region.

A	Construction Laborers	**F**	Interviewers, Except Eligibility and Loan
B	Fitness Trainers and Aerobics Instructors	**G**	Janitors and Cleaners, Except Housekeepers
C	Food Prep. and Serving Workers, Including Fast Food	**H**	Laborers and Freight, Stock and Material Movers
D	Helpers--Production Workers	**I**	Landscaping and Groundskeeping Workers
E	Home Health Aides	**J**	Recreation Workers

Occupations requiring a high school diploma and short-term training often have lower wages but are in high-demand.

Occupations requiring a high school diploma or equivalent and short-term training are in high-demand, but typically have lower wages, and therefore can not be considered high-wage.

These occupations can provide opportunities for individuals that may be seeking entry-level positions. Some occupations included at this level for the region are *Construction laborers, Home health aides,* and *Landscaping and groundskeeping workers.* **(Table 26)**