



2020 ANNUAL PLANNING INFORMATION AND WORKFORCE ANALYSIS REPORTS

EAST MICHIGAN

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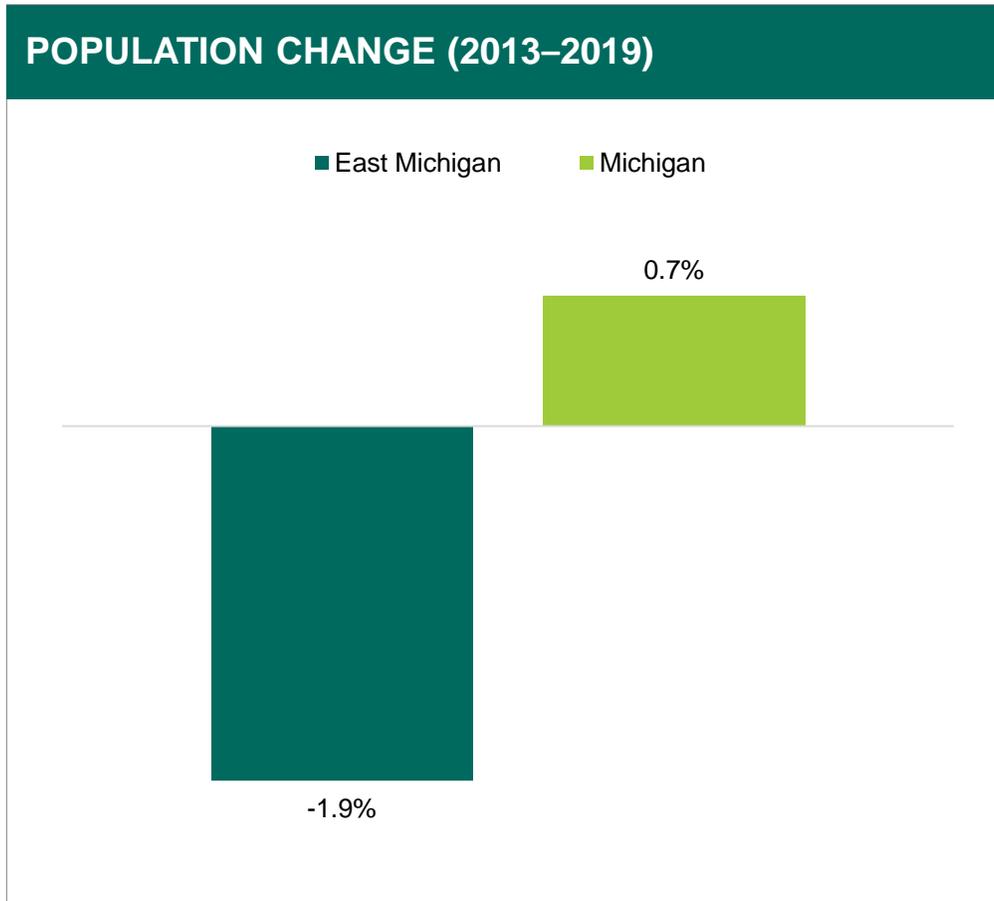
POPULATION TRENDS

AND CHARACTERISTICS

FIGURES 1–4

East Michigan's population fell 1.9 percent from 2013 to 2019.

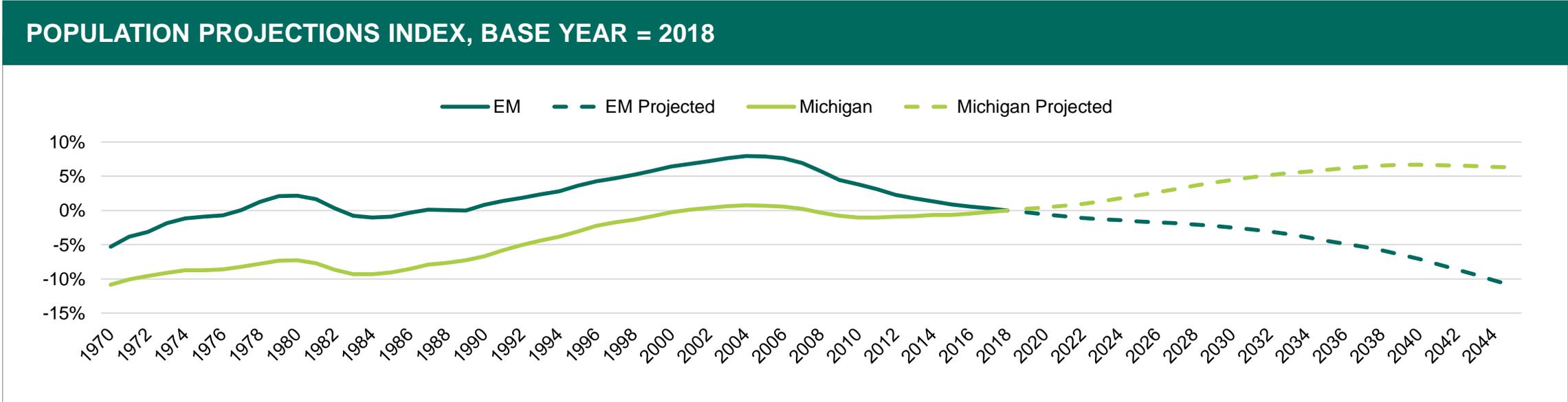
- Population estimates from the U.S. Census Bureau showed that in 2019, East Michigan's total population was 845,000. Since 2013, the total population in the region has declined by 16,400, or 1.9 percent. Over half of the population loss reported in the area occurred in Genesee County, where it lost 9,800 residents since 2013. **(Figure 1)**
- In contrast, Michigan's population has seen marginal growth since 2013 by adding 74,000 residents by 2019. Nationwide, the population rose by 3.9 percent (or about 12.2 million) over this period. **(Figure 1)**



Source: U.S. Census Bureau, Annual Population Estimates

After hitting its highest point in 2004, the region's population has since declined and is projected to continue falling through 2045.

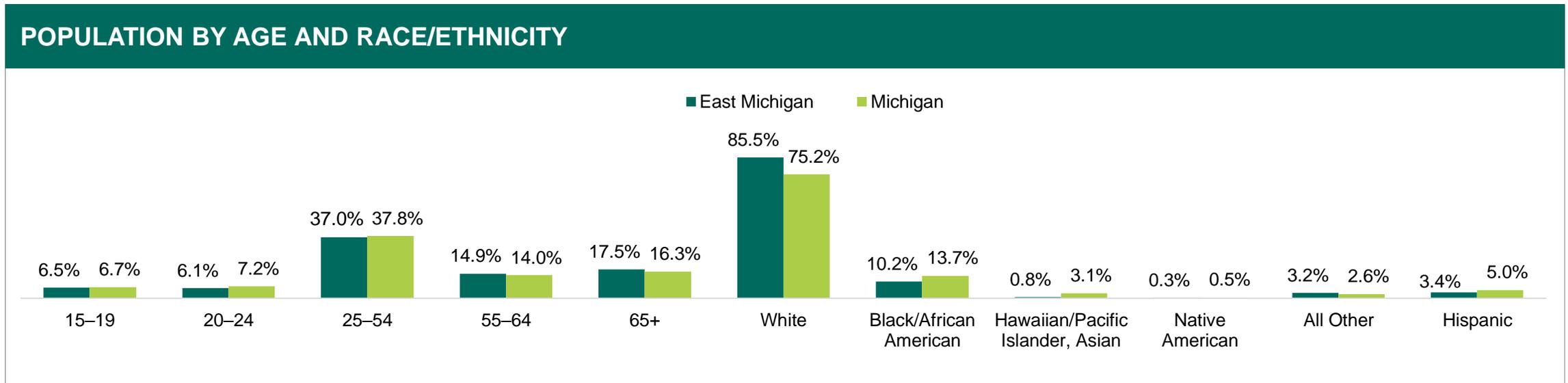
- In recent years, the region's population has seen a steady rate of decline. Through 2045, East Michigan's population is projected to see further decline due to an expected decrease in the number of births and an increase in deaths as a result of an aging population. **(Figure 34)**



Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives, Population Projections

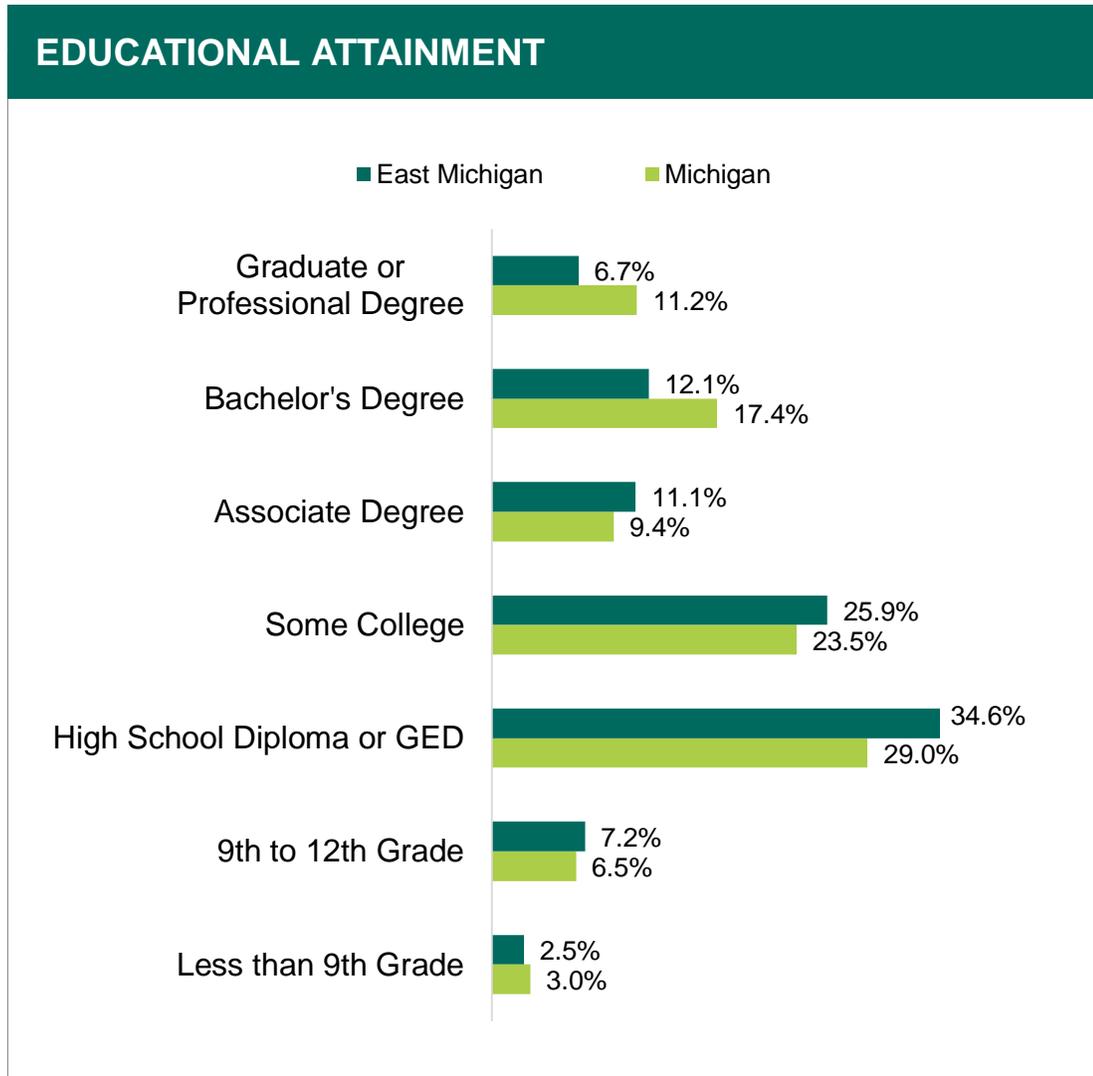
East Michigan has a slightly older population than the statewide average.

- Like the state of Michigan, East Michigan's population largely consists of individuals within the 25 to 54 age range, making up 37 percent of all residents. Individuals who are age 55 and over make up nearly 33 percent of the region's population, which is slightly higher than the statewide average of 30 percent. **(Figure 2)**
- The vast majority of the population in East Michigan are white, which account for 86 percent of all residents.



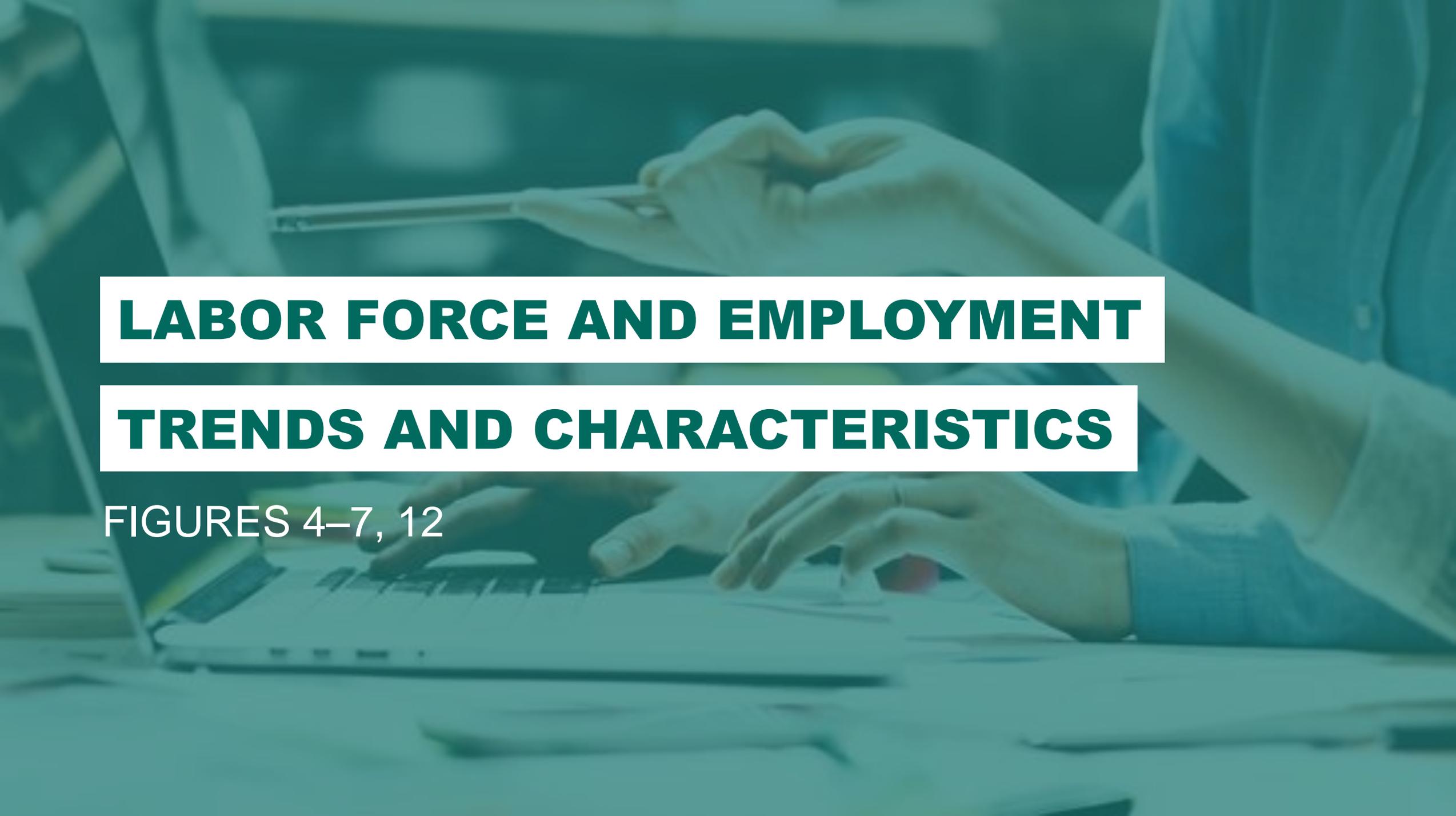
Source: U.S. Census Bureau, 2014-2018 American Community Survey Five-Year Estimates

Higher-level educational attainment in East Michigan remains lower than the statewide average.



- The residents of the East Michigan Prosperity Region who are 25 and older typically have a lower level of educational attainment than the statewide average. In the region, 44 percent have obtained a high school diploma or less, compared to the statewide average of 39 percent. **(Figure 3)**
- East Michigan lags the statewide average when it comes to obtaining higher levels of educational attainment. In the region, 12 percent of residents have obtained a bachelor's degree, compared to 17 percent statewide. Statewide, 11 percent of residents have obtained a graduate or professional degree, while 6.7 percent have in East Michigan.

Source: U.S. Census Bureau, 2014–2018 American Community Survey Five-Year Estimates

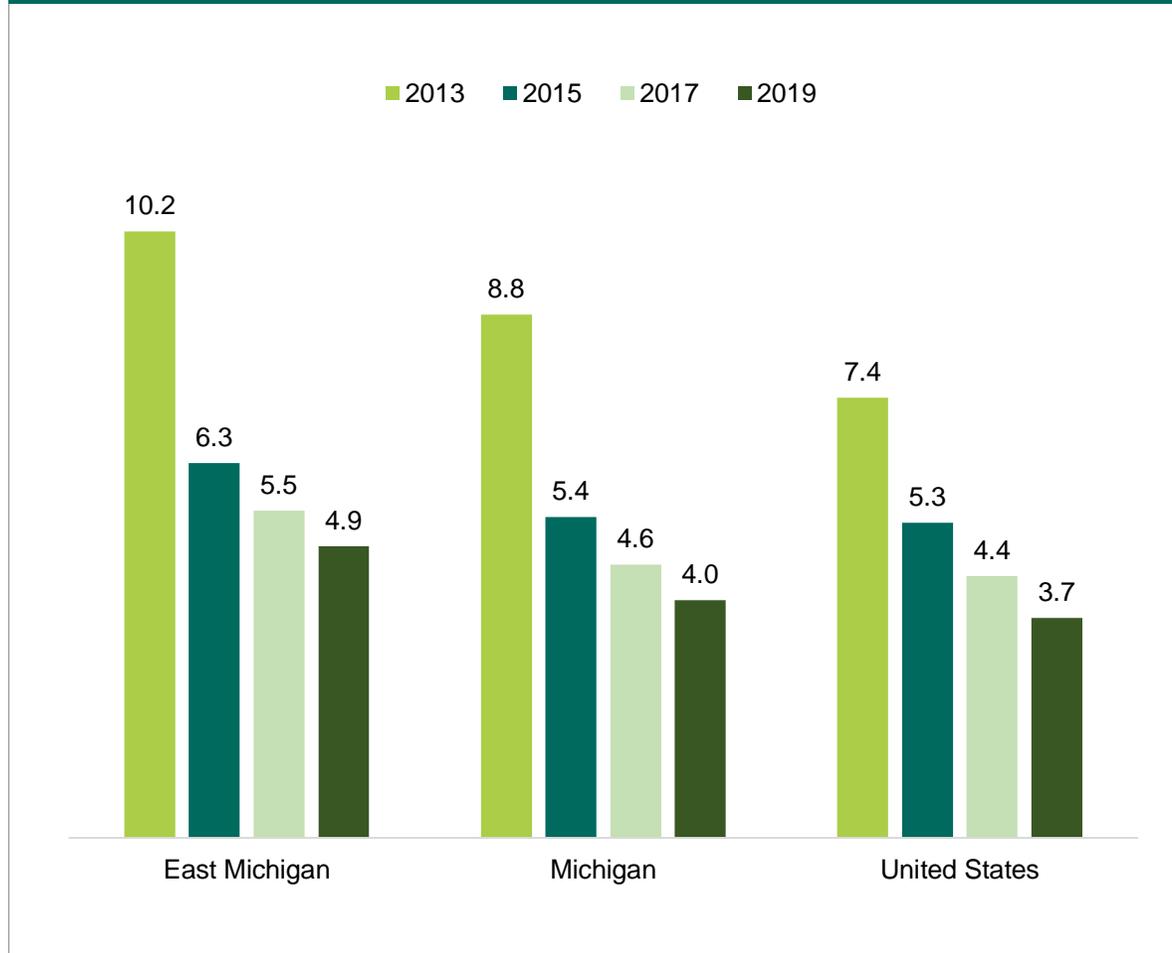


LABOR FORCE AND EMPLOYMENT

TRENDS AND CHARACTERISTICS

FIGURES 4–7, 12

UNEMPLOYMENT RATES

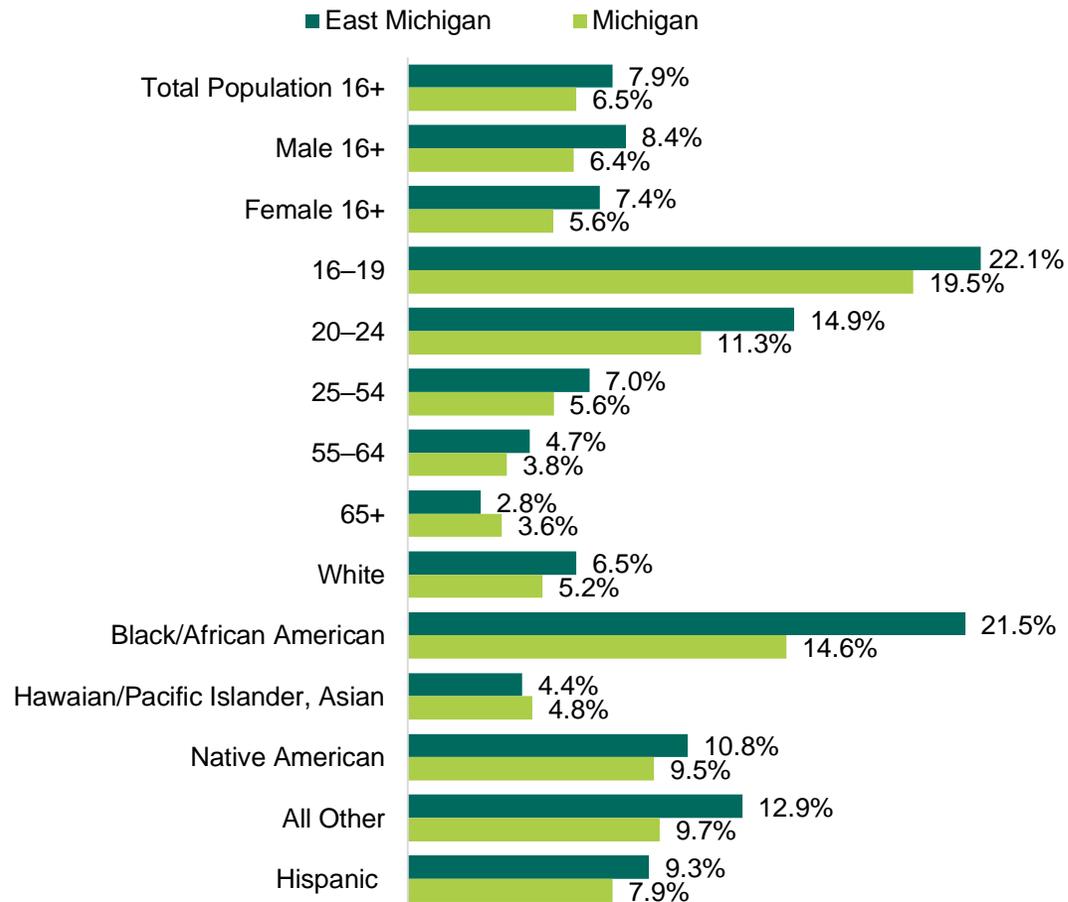


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives, Local Area Unemployment Statistics (LAUS)

Unemployment rates have continued to drop annually in East Michigan.

- Following state and national trends, the unemployment rate in East Michigan has seen a steady decline in past years. The largest decline in unemployment in the region was between 2013 and 2015 where rates fell 3.9 percentage points. Since then, unemployment rates have continued fall to the most recent rate of 4.9 percent in 2019. **(Figure 6)**
- Since 2013, the number of unemployed in East Michigan has declined by nearly 53 percent, to 19,100 in 2019. **(Figure 12)**

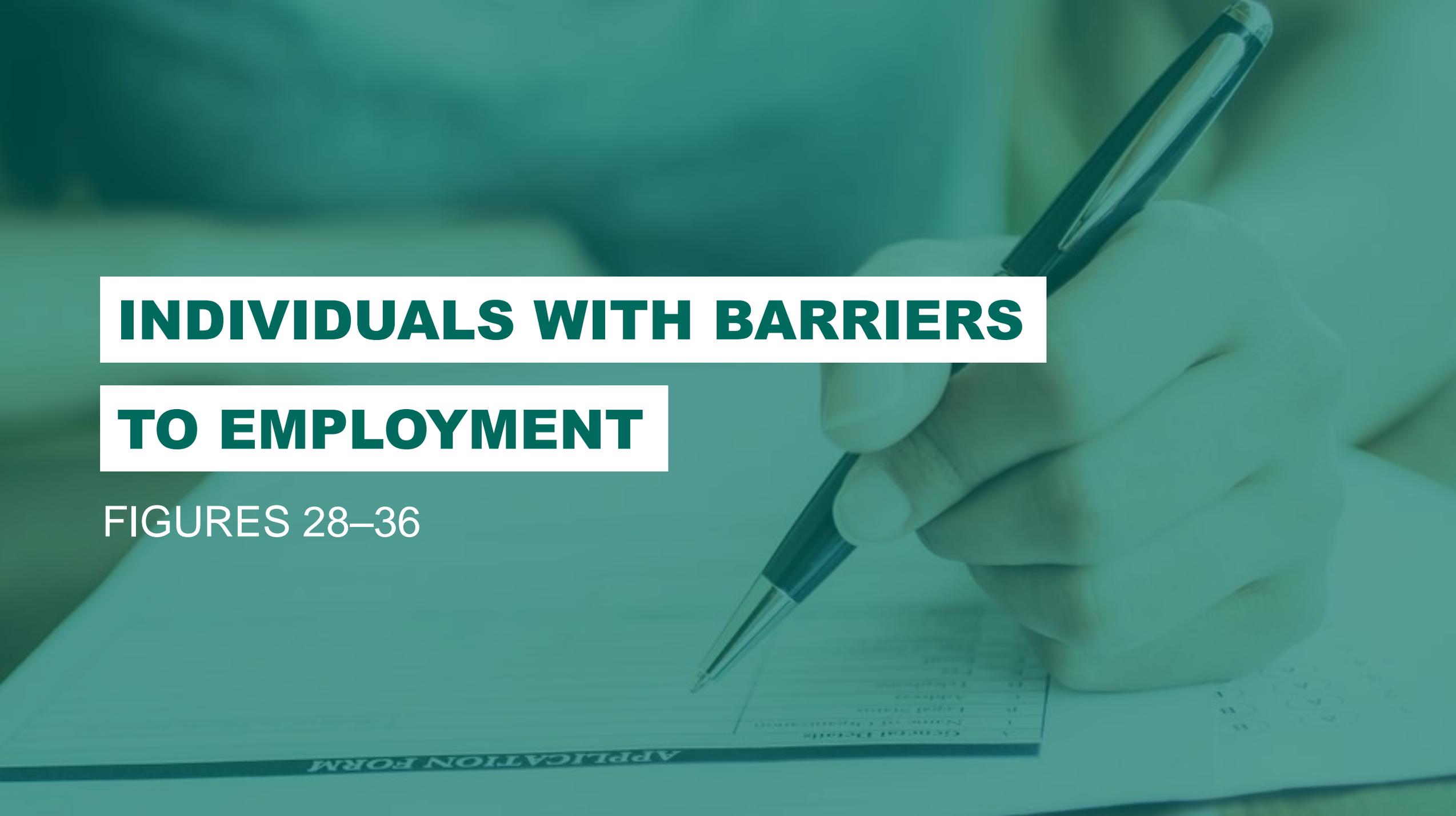
UNEMPLOYMENT RATES GENDER, AGE, AND RACE/ETHNICITY



Source: U.S. Census Bureau, 2014-2018 American Community Survey Five-Year Estimates

Regional unemployment falls as residents get older.

- Similar to statewide trends, individuals between 16 and 19 years old have the highest unemployment rate in the region at 22 percent, followed by those ages 20 to 24 with 15 percent. Unemployment rates begin to decline further as individuals get older. **(Figure 7)**
- East Michigan's age groups typically have an unemployment rate higher than the statewide average, apart for those age 65 and older. **(Figure 7)**
- Almost all East Michigan race/ethnicity categories had a reported higher unemployment rate than the statewide average, other than Hawaiian/Pacific Islanders, Asian. **(Figure 7)**

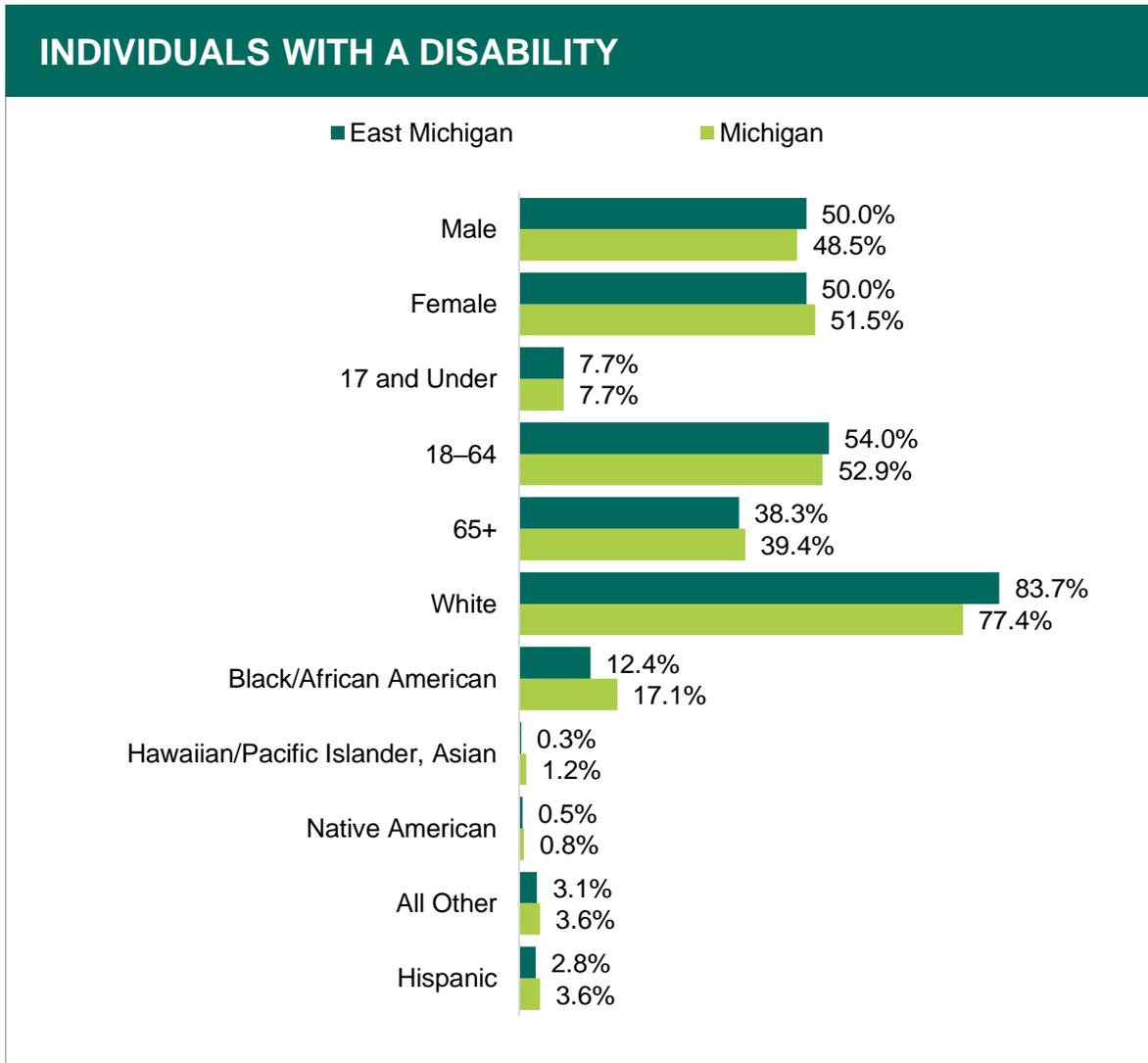
A hand holding a pen over an application form, with a teal overlay. The form is titled 'APPLICATION FORM' and has several fields labeled 'General Details', 'Name of Applicant', 'Legal Name', 'Address', 'Telephone', and 'Fax'.

INDIVIDUALS WITH BARRIERS

TO EMPLOYMENT

FIGURES 28–36

A greater portion of East Michigan's population have a disability compared to statewide.

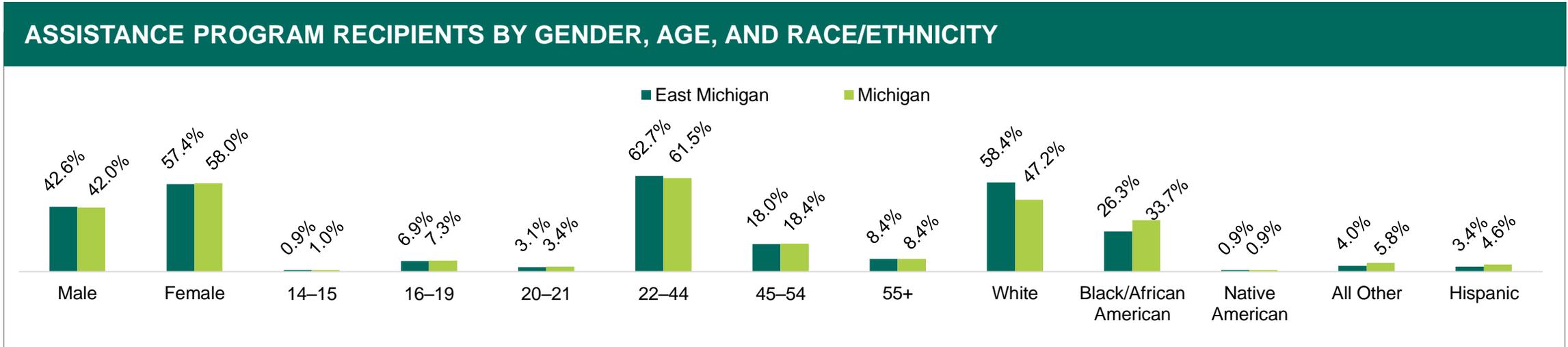


Source: U.S. Census Bureau, 2014–2018 American Community Survey Five-Year Estimates

- According to the U.S. Census Bureau, East Michigan consisted of 139,700 individuals with a reported disability, making up 10 percent of the statewide total. Individuals with a disability make up 16 percent of the region's population, slightly higher than the statewide average of 14 percent. In terms of disability by age group, the region tracks closely to the statewide averages with most individuals with a disability between 18 and 64 years old. **(Figure 28)**
- The number of individuals with a disability follows closely to the overall makeup of the region's population, with most individuals being white (84 percent). **(Figure 28)**

Most assistance program recipients were in the prime working ages of 22 to 44.

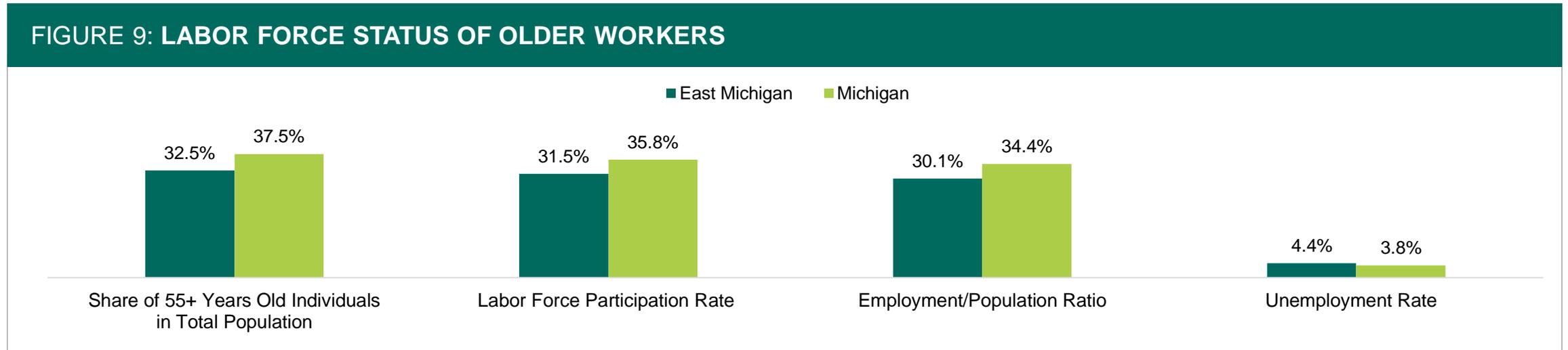
- In June 2019, the Michigan Department of Health and Human Services reported that there were 29,500 assistance program recipients in East Michigan. The number of recipients has fallen by over 17,100 since June 2017. **(Figure 30)**
- The largest portion of those receiving assistance were in the prime working ages of 22 to 44 (63 percent). **(Figure 30)**



Source: Michigan Department of Health and Human Services

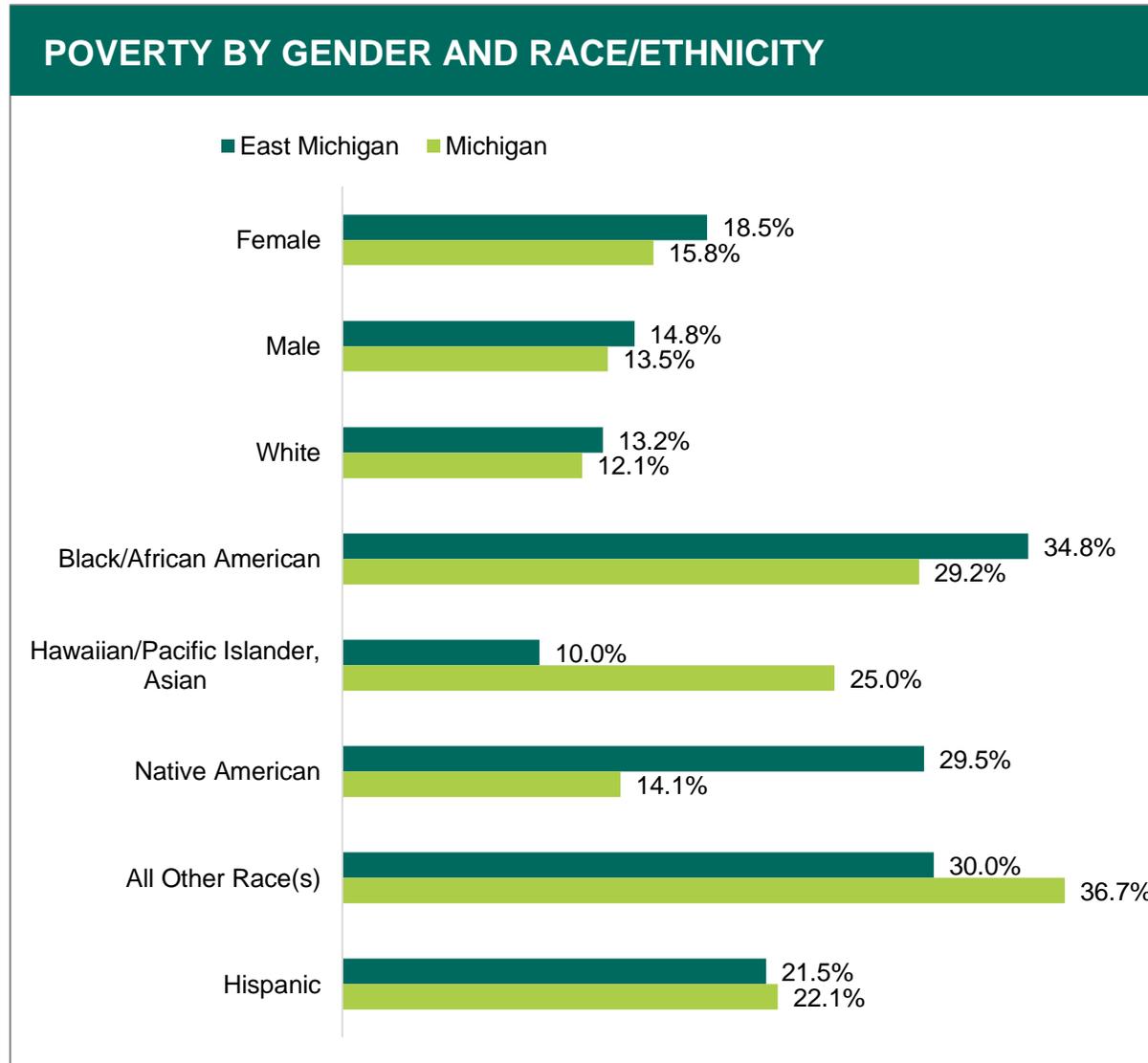
East Michigan's share of older workers is less than the statewide average.

- Older workers, defined as those age 55 and over, made up 38 percent of Michigan's population, which is higher than East Michigan at almost 33 percent. The labor force participation rate for this age group is over 4 percentage points lower than Michigan's. **(Figure 35)**
- The unemployment rate for older workers in the region has declined in recent years but continues to be higher at 4.4 percent than Michigan's 3.8 percent. **(Figure 35)**



Source: U.S. Census Bureau, 2014–2018 American Community Survey Five-Year Estimates

The poverty rate was at 17 percent in East Michigan, which is slightly above the statewide rate.



Source: U.S. Census Bureau, 2014–2018 American Community Survey Five-Year Estimates

- According to the U.S. Census Bureau’s five-year estimates from 2014–2018, 17 percent (or 142,200) of East Michigan’s population lived below the poverty line. That is nearly 2 percentage points above the statewide average of 15 percent. **(Figure 36)**
- Most of the race/ethnic groups in the region had a greater share below the poverty line than the statewide average. In Michigan, 25 percent of individuals identified as Hawaiian/Pacific Islander, Asians were below the poverty line, while in East Michigan, only 10 percent were. In contrast, 30 percent of Native Americans in the region were below the line, compared to 14 percent statewide. **(Figure 36)**

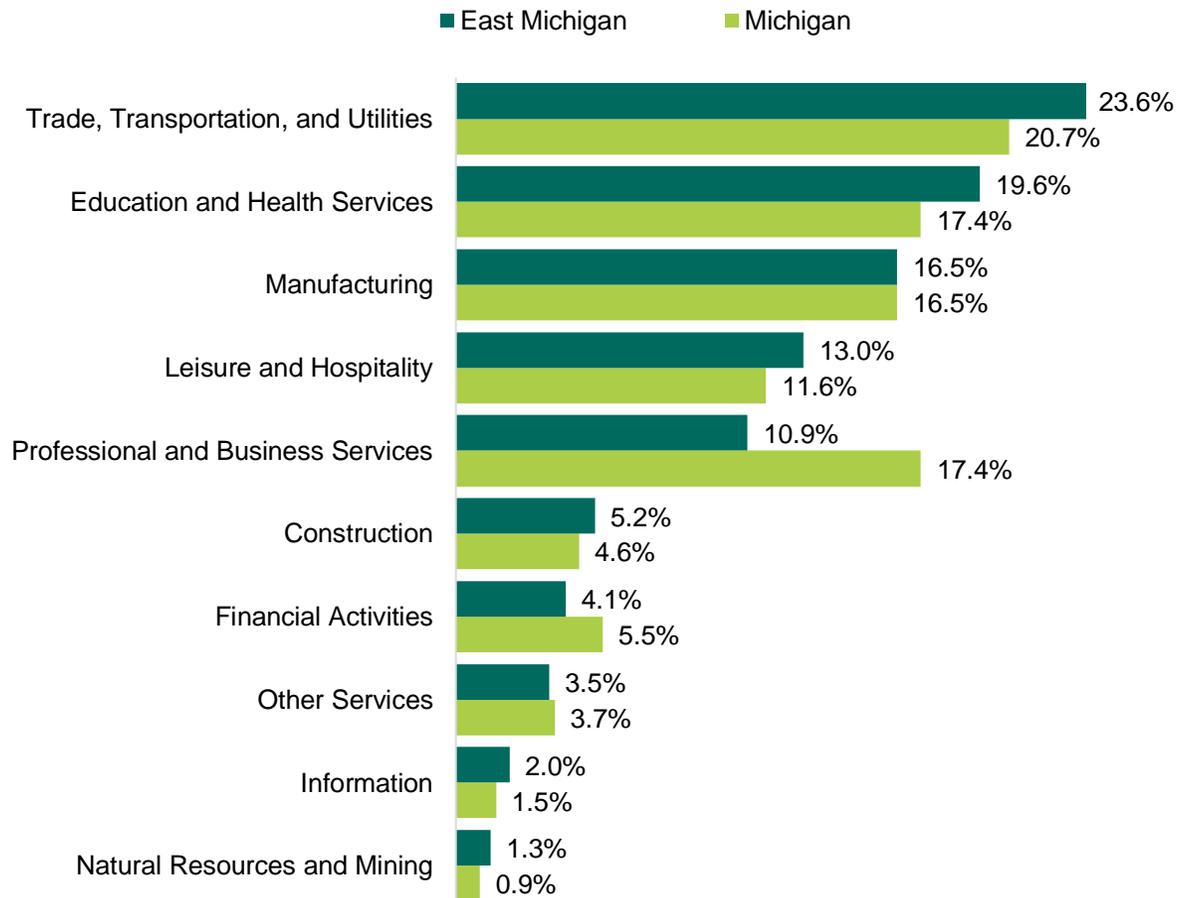
A close-up photograph of a person's hands working on a black cable. One hand holds the cable while the other uses a soldering iron to work on a metal connector. The background is a light-colored, textured surface, possibly a workbench or a bag. The entire image has a teal color overlay.

IN-DEMAND INDUSTRY SECTORS

AND OCCUPATIONS

FIGURES 8–11, 17–26

DISTRIBUTION OF INDUSTRY JOBS, SECOND QUARTER 2019

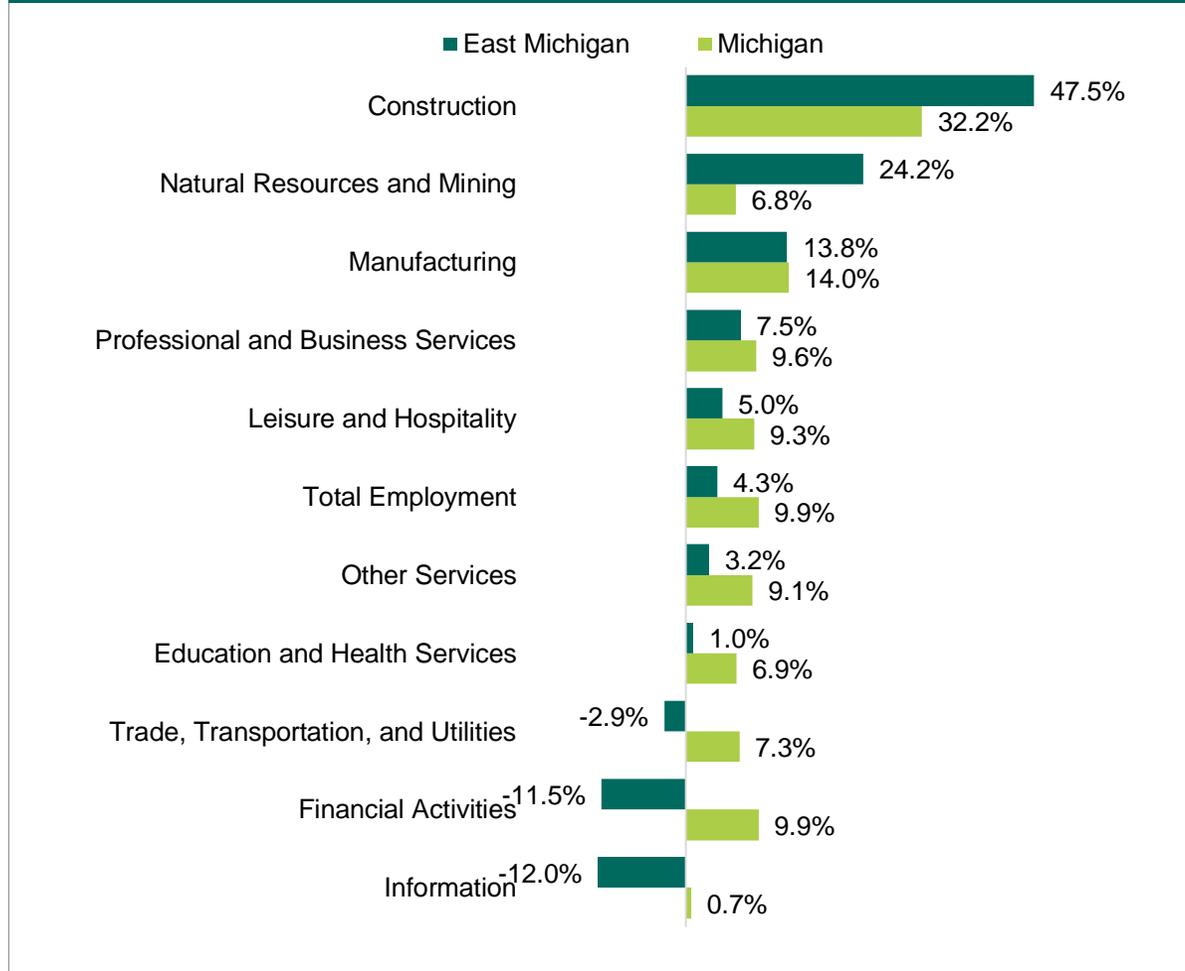


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives, Quarterly Census of Employment and Wages (QCEW)

Nearly 60 percent of the region's industry employment is within its top three industries.

- In the 2nd quarter of 2019, *Trade, transportation, and utilities* has continued to be the region's largest industry, making up 24 percent of jobs, followed by *Education and health services* with 20 percent.
- Many of the industries in East Michigan share similar levels of distribution to the statewide average. One notable difference is in *Professional and business services* which made up 11 percent of jobs in the region, while statewide, it made up 17 percent. **(Figure 8)**

PRIVATE SECTOR JOB TRENDS, SECOND QUARTER 2013–2019



Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives, Quarterly Census of Employment and Wages (QCEW)

Industry employment increased by 4.3 percent from 2013 to 2019 in East Michigan.

- Private sector employment in East Michigan saw a 4.3 percent increase (+8,900 jobs) from the 2nd quarter of 2013 to 2019. Most industries in the region experienced job growth during this period, most notably *Manufacturing* and *Construction*, which increased by 4,300 and 3,600 jobs, respectively. **(Figure 8)**
- From 2013 to 2019, only three industry sectors reported job losses. The greatest job losses were in *Trade, transportation, and utilities* (-1,500 jobs), followed by *Financial activities* (-1,200 jobs), and *Information* (-600 jobs). **(Figure 8)**

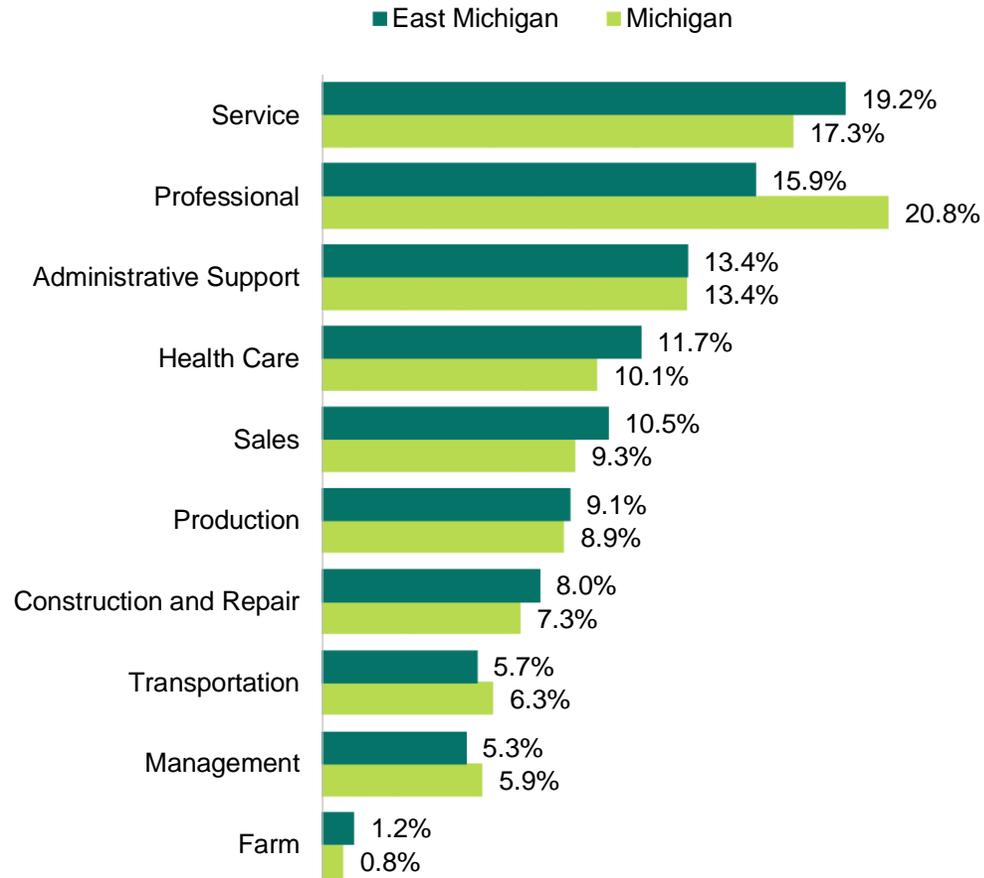
Online job postings in the region reached nearly 4,200 in 2nd quarter 2019.

ONLINE ADVERTISED JOB POSTINGS, EAST MICHIGAN	
JOB TITLE	NUMBER
Registered Nurses	232
Retail Salespersons	170
First Line Supervisors of Retail Sales Workers	119
Customer Service Representatives	83
Sales Rep., Wholesale and Manu., Exc. Tech. and Sci. Prod.	76
Pharmacy Technicians	72
Food Service Managers	70
Heavy and Tractor-Trailer Truck Drivers	70
Licensed Practical and Licensed Vocational Nurses	55
Medical and Health Services Managers	54

- In the 2nd quarter of 2019, there were nearly 4,200 online advertised job postings in East Michigan, according to the Conference Board's Help Wanted OnLine® Database. **(Figure 18)**
- Many of the online job ads during the quarter were concentrated within three major occupational categories: *Health care practitioners and technical* (18 percent), *Sales and related* (13 percent), and *Office and administrative support* (12 percent). **(Figure 17)**

Source: The Conference Board, Help Wanted OnLine® Database

PROJECTED 2026 DISTRIBUTION OF JOBS BY BROAD OCCUPATIONAL GROUPS

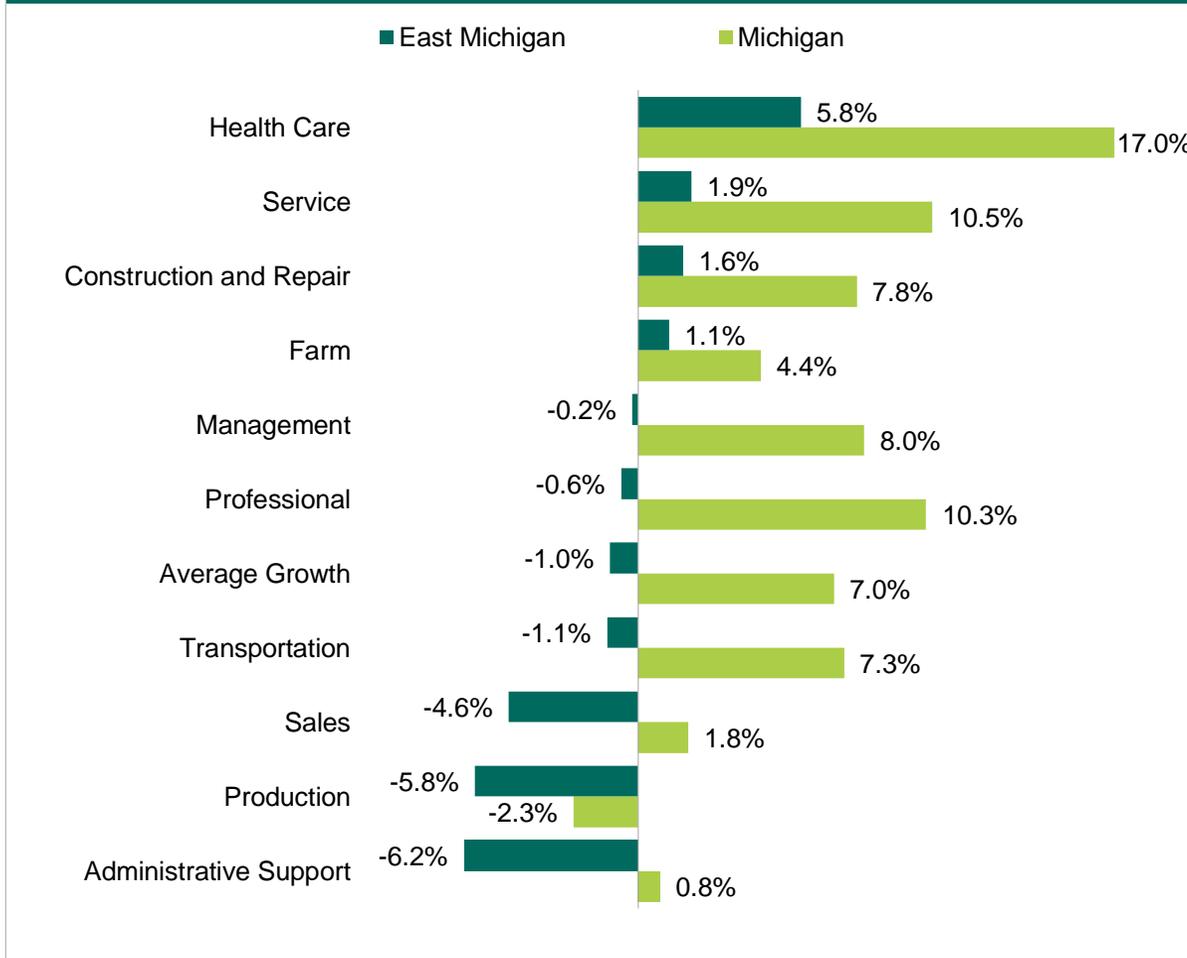


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

Service jobs will contain the largest share of jobs by 2026.

- From 2016 through 2026, employment is projected to decline in East Michigan by nearly 2,700 (-1.0 percent). Most of the projected employment losses during this period will be in three major occupational categories: *Office and administrative support*, *Production*, and *Sales and related*. **(Figure 19)**
- Many of East Michigan's occupational groups have similar shares of jobs to the statewide average. The most notable difference is in the *Professional* occupational group, which makes up 21 percent of all jobs in Michigan. While it is the second largest group in the region, it only contains 16 percent of jobs.

PROJECTED PERCENT GROWTH BY BROAD OCCUPATIONAL GROUPS (2016–2026)

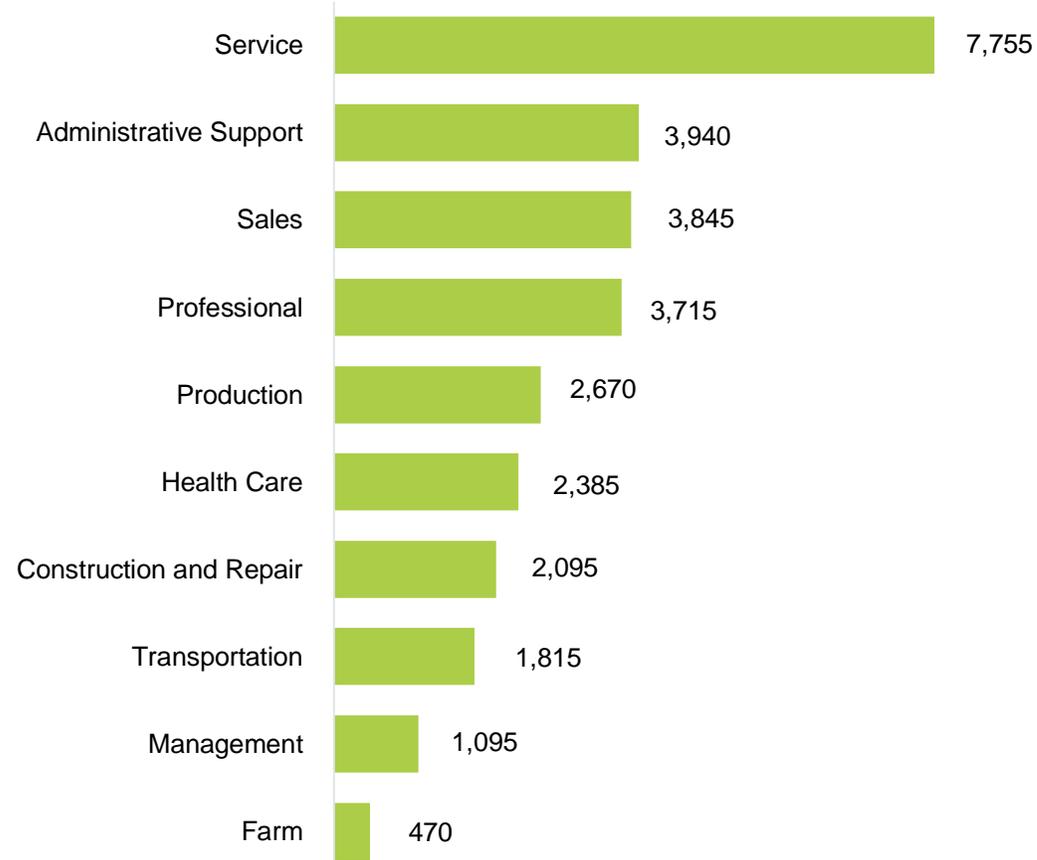


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

Health care and Service jobs are projected to see the most growth in the region.

- In East Michigan, seven occupational groups are projected to see a decline in employment by 2026. The largest projected percent drops are expected to be in *Administrative support* (-6.2 percent) and *Production* (-5.8 percent). **(Figure 19)**
- By 2026, the number of jobs is projected to increase in the *Health care* (+5.8 percent) and *Service* (+1.9 percent) occupational groups. Statewide, these same groups are projected to see far larger levels of growth with *Health care* projected to increase by 17 percent, and *Service* by 11 percent **(Figure 19)**

PROJECTED ANNUAL OPENINGS BY BROAD OCCUPATIONAL GROUPS (2016–2026)

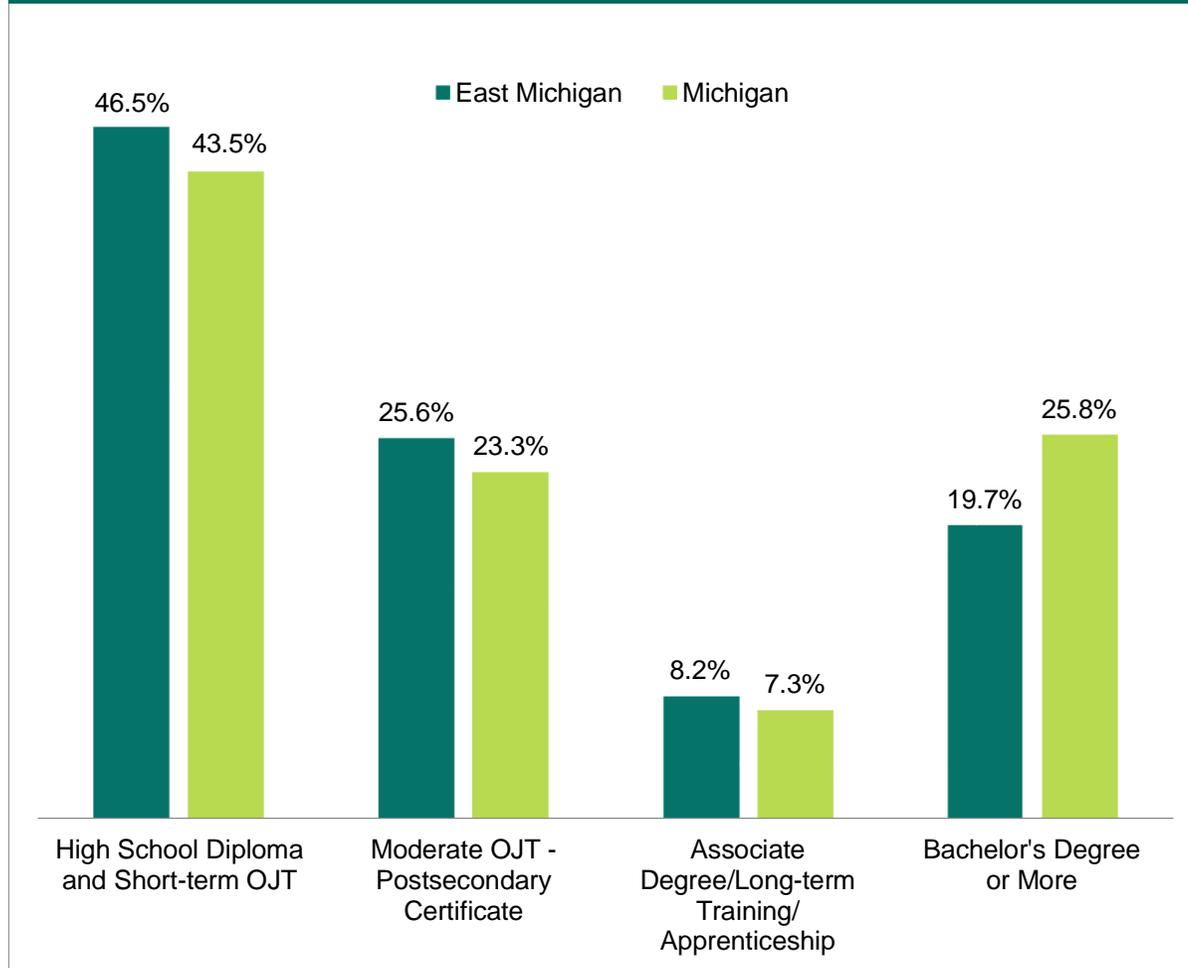


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

Professional and Service jobs are projected to see the most annual openings.

- Because of a need to replace workers who are retiring or otherwise leaving the occupation in the area, the largest groups are projected to see the most annual openings through 2026.
- In East Michigan, there is projected to be nearly 29,800 annual openings, which are due labor force exits, occupation transfers, and change. Over a quarter of all projected annual openings will be in the *Service* occupational group. **(Figure 20)**

PROJECTED 2026 OCCUPATIONAL EMPLOYMENT BY EDUCATION (SHARE OF TOTAL)

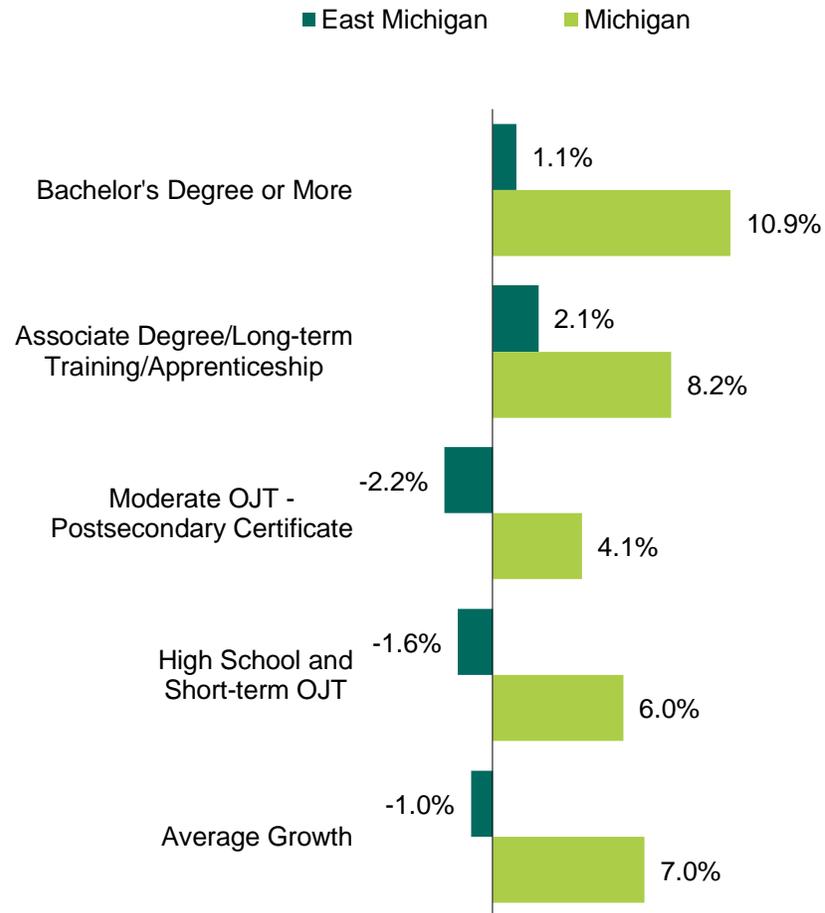


Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

Nearly 47 percent of jobs in the region will require a high school diploma or short-term training.

- According to occupational employment projections, by 2026, nearly 47 percent of all jobs in East Michigan will require a high school diploma or less, with short-term to no on-the-job training. Over 44 percent of Michigan's jobs, on average, will require the same.
- Positions requiring a bachelor's degree or more are projected to make up 20 percent of all jobs in the region by 2026, less than the statewide average of 26 percent. There are many high-demand, high-wage occupations in this group, such as *Accountants and auditors*, *Pharmacists*, and *Registered nurses*.

PROJECTED 2026 OCCUPATIONAL GROWTH BY EDUCATION



Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

East Michigan is expecting to see little to no long-term growth in its educational groups.

- Occupations requiring a bachelor's degree or more are projected to see a slight increase in the number of jobs, expanding by 550 jobs or 1.1 percent by 2026. Similarly, occupations requiring an associate degree, long-term on-the-job training, or an apprenticeship are projected to see a 2.1 percent increase.
- Occupations requiring lower levels of education at or below moderate on-the-job training or a postsecondary certificate are expected to contract.

HIGH-DEMAND, HIGH-WAGE OCCUPATIONS REQUIRING AT LEAST A BACHELOR'S DEGREE



Dotted lines mark the average projected growth rate (-1.0 percent) and the median hourly wage (\$16.07) for the region.

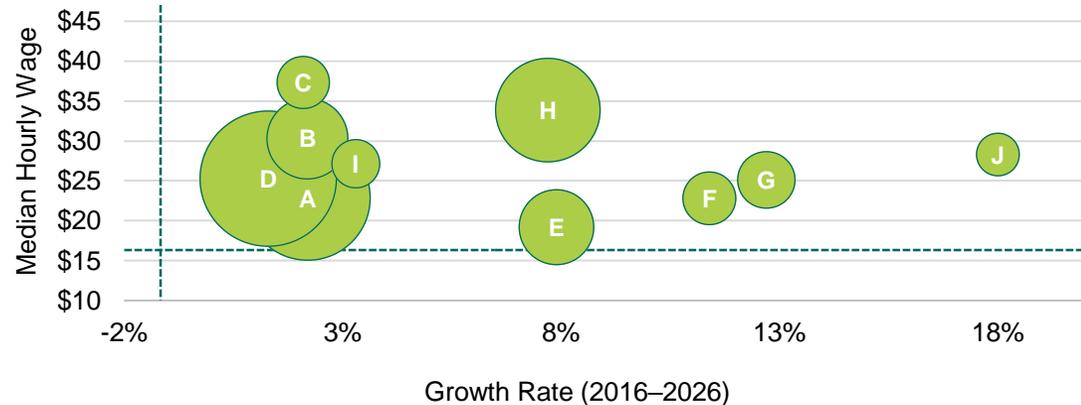
A	Accountants and Auditors	F	Industrial Engineers
B	Child, Family, and School Social Workers	G	Management Analysts
C	Cost Estimators	H	Market Research Analysts and Marketing Spec.
D	Financial Managers	I	Medical and Health Services Managers
E	General and Operations Managers	J	Registered Nurses

Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

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

- High-demand, high-wage occupations are jobs that demonstrate a favorable mix of long-term job growth, annual openings from both growth and replacement, and median wages.
- 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. **(Figures 23)**

HIGH-DEMAND, HIGH-WAGE OCCUPATIONS REQUIRING AT LEAST AN ASSOCIATE DEGREE OR LONG-TERM TRAINING



Dotted lines mark the average projected growth rate (-1.0 percent) and the median hourly wage (\$16.07) for the region.

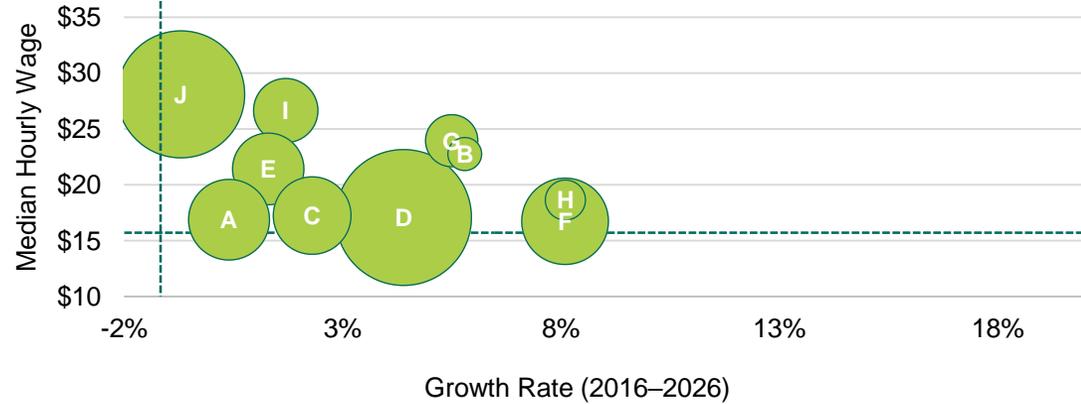
A	Carpenters	F	Paralegals and Legal Assistants
B	Dental Hygienists	G	Physical Therapist Assistants
C	Electrical Power-Line Installers and Repairers	H	Plumbers, Pipefitters, and Steamfitters
D	Electricians	I	Radiologic Technologists
E	HVAC and Refrigeration Mechanics and Installers	J	Respiratory Therapists

Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

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 that typically require this level of educational attainment while still being high demand and high wage in the region include *Carpenters, Electricians, and Respiratory therapists. (Figures 24)*

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



Dotted lines mark the average projected growth rate (-1.0 percent) and the median hourly wage (\$16.07) for the region.

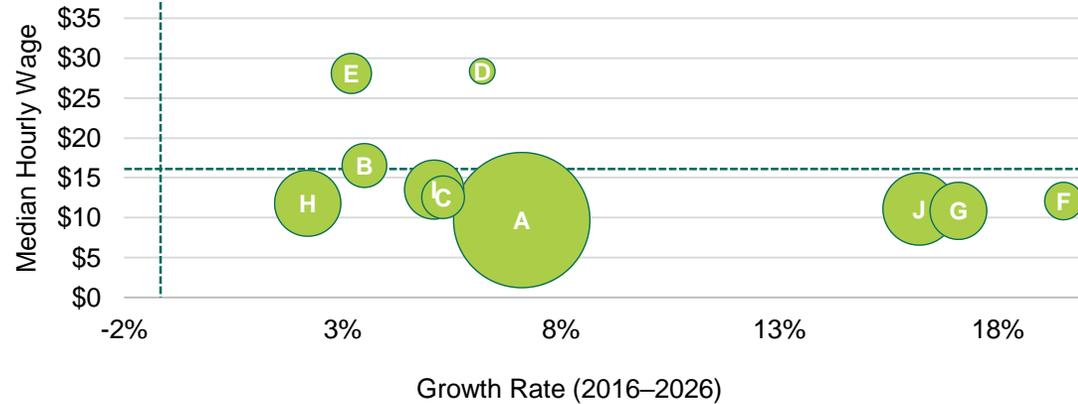
A	Billing and Posting Clerks	F	Medical Secretaries
B	Cement Masons and Concrete Finishers	G	Operating Engineers and Other Construction Equipment Operators
C	Dental Assistants	H	Paper Goods Machine Setters, Operators, and Tenders
D	Heavy and Tractor-Trailer Truck Drivers	I	Police and Sheriff's Patrol Officers
E	Insurance Sales Agents	J	Sales Reps, Except Tech. and Scientific Products

Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

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 these occupations include *Dental assistants, Heavy and tractor-trailer truck drivers, and Insurance sales agents.* (Figures 25)

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



Dotted lines mark the average projected growth rate (-1.0 percent) and the median hourly wage (\$16.07) for the region.

A	Combined Food Preparation and Serving Workers, Including Fast Food	F	Helpers—Production Workers
B	Construction Laborers	G	Home Health Aides
C	Farmworkers, Farm, Ranch, and Aquacultural Animals	H	Janitors and Cleaners, Except Maids and Housekeeping Cleaners
D	First-Line Supervisors of Construction Trades and Extraction Workers	I	Landscaping and Groundskeeping Workers
E	First-Line Supervisors of Production and Operating Workers	J	Personal Care Aides

Source: DTMB, Bureau of Labor Market Information and Strategic Initiatives

Occupations requiring a high school diploma or 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. **(Figures 26)**