

Report Info

| | | |
|----------------------------|--|-------------------------|
| Dataset Version | 2013.3 Class of Worker | |
| Class of Worker Categories | QCEW Employees + Non-QCEW Employees + Self-Employed + Extended Proprietors | |
| Timeframe | 2012 - 2013 | |
| Dataset Category | EMSI Complete | |
| Region Name | MEDC Region 3 Northeast Michigan | |
| Counties | | |
| Alcona, MI (26001) | Alpena, MI (26007) | Cheboygan, MI (26031) |
| Crawford, MI (26039) | Iosco, MI (26069) | Montmorency, MI (26119) |
| Ogemaw, MI (26129) | Oscoda, MI (26135) | Otsego, MI (26137) |
| Presque Isle, MI (26141) | Roscommon, MI (26143) | |

MEDC Region 3 Northeast Michigan



| | |
|-------------------------|-----------------|
| Population (2013) | 204,037 |
| Jobs (2013) | 86,156 |
| Average Earnings (2013) | \$32,545 |
| Unemployed (5/2013) | 9,360 |
| Completions (2012) | 792 |
| GRP (2012) | \$4,621,518,452 |
| Exports (2012) | \$6,138,144,613 |
| Imports (2012) | \$8,349,828,183 |

MEDC Region 3 Northeast Michigan | Population

| | |
|--|--|
| 204,037 2013 Population 2.1% of State | -4.1% Population Growth for the Last 5 Years State Growth -1.3% |
|--|--|

| Age Group | 2013 Population | % of Population |
|-------------------|-----------------|-----------------|
| Under 5 years | 8,905 | 4.4% |
| 5 to 9 years | 9,990 | 4.9% |
| 10 to 14 years | 11,096 | 5.4% |
| 15 to 19 years | 11,003 | 5.4% |
| 20 to 24 years | 8,810 | 4.3% |
| 25 to 29 years | 8,533 | 4.2% |
| 30 to 34 years | 9,130 | 4.5% |
| 35 to 39 years | 8,943 | 4.4% |
| 40 to 44 years | 10,532 | 5.2% |
| 45 to 49 years | 13,423 | 6.6% |
| 50 to 54 years | 16,953 | 8.3% |
| 55 to 59 years | 18,366 | 9.0% |
| 60 to 64 years | 18,208 | 8.9% |
| 65 to 69 years | 15,751 | 7.7% |
| 70 to 74 years | 12,678 | 6.2% |
| 75 to 79 years | 9,313 | 4.6% |
| 80 to 84 years | 6,615 | 3.2% |
| 85 years and over | 5,789 | 2.8% |

MEDC Region 3 Northeast Michigan | Jobs by Industry

| | | |
|------------------------------------|---|---|
| 86,156 Total Jobs (2013) | 51.5% Male (National: 52.2%) | 48.5% Female (National: 47.8%) |
|------------------------------------|---|---|

| NAICS | Industry | 2013 Jobs |
|-------|--|-----------|
| 11 | Agriculture, Forestry, Fishing and Hunting | 3,419 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | 2,856 |
| 22 | Utilities | 423 |
| 23 | Construction | 4,737 |
| 31 | Manufacturing | 5,591 |
| 42 | Wholesale Trade | 1,923 |
| 44 | Retail Trade | 12,989 |
| 48 | Transportation and Warehousing | 2,364 |
| 51 | Information | 570 |
| 52 | Finance and Insurance | 3,528 |
| 53 | Real Estate and Rental and Leasing | 4,458 |
| 54 | Professional, Scientific, and Technical Services | 2,711 |
| 55 | Management of Companies and Enterprises | 72 |
| 56 | Administrative and Support and Waste Management and Remediation Services | 3,748 |
| 61 | Educational Services (Private) | 620 |
| 62 | Health Care and Social Assistance | 9,798 |
| 71 | Arts, Entertainment, and Recreation | 1,846 |
| 72 | Accommodation and Food Services | 7,401 |
| 81 | Other Services (except Public Administration) | 5,357 |
| 90 | Government | 11,665 |
| 99 | Unclassified Industry | 81 |

MEDC Region 3 Northeast Michigan | Average Earnings by Industry

| | | |
|--|---|---|
| \$32,545 Avg. Earnings (2013) 63% of Nation Avg. | \$37,626 Male Avg. Earnings (2013) 61% of Nation Avg. | \$27,149 Female Avg. Earnings (2013) 68% of Nation Avg. |
|--|---|---|

| NAICS | Industry | Avg. Earnings (2013) |
|-------|--|----------------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | \$25,443 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | \$43,478 |
| 22 | Utilities | \$109,731 |
| 23 | Construction | \$32,248 |
| 31 | Manufacturing | \$53,362 |
| 42 | Wholesale Trade | \$43,351 |
| 44 | Retail Trade | \$25,397 |
| 48 | Transportation and Warehousing | \$38,073 |
| 51 | Information | \$36,938 |
| 52 | Finance and Insurance | \$34,803 |
| 53 | Real Estate and Rental and Leasing | \$13,544 |
| 54 | Professional, Scientific, and Technical Services | \$29,249 |
| 55 | Management of Companies and Enterprises | \$63,387 |
| 56 | Administrative and Support and Waste Management and Remediation Services | \$17,502 |
| 61 | Educational Services (Private) | \$10,625 |
| 62 | Health Care and Social Assistance | \$38,424 |
| 71 | Arts, Entertainment, and Recreation | \$15,298 |
| 72 | Accommodation and Food Services | \$14,979 |
| 81 | Other Services (except Public Administration) | \$18,043 |
| 90 | Government | \$52,927 |
| 99 | Unclassified Industry | \$26,814 |

MEDC Region 3 Northeast Michigan | Unemployment by Industry

9,360

Total Unemployment (5/2013)

| NAICS | Industry | Unemployed (5/2013) | % of Unemployed |
|-------|--|------------------------|--------------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | 52 | 1% |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | 138 | 1% |
| 22 | Utilities | 26 | 0% |
| 23 | Construction | 897 | 10% |
| 31 | Manufacturing | 831 | 9% |
| 42 | Wholesale Trade | 140 | 1% |
| 44 | Retail Trade | 1,549 | 17% |
| 48 | Transportation and Warehousing | 170 | 2% |
| 51 | Information | 43 | 0% |
| 52 | Finance and Insurance | 197 | 2% |
| 53 | Real Estate and Rental and Leasing | 92 | 1% |
| 54 | Professional, Scientific, and Technical Services | 132 | 1% |
| 55 | Management of Companies and Enterprises | 2 | 0% |
| 56 | Administrative and Support and Waste Management and Remediation Services | 227 | 2% |
| 61 | Educational Services (Private) | 15 | 0% |
| 62 | Health Care and Social Assistance | 819 | 9% |
| 71 | Arts, Entertainment, and Recreation | 217 | 2% |
| 72 | Accommodation and Food Services | 987 | 11% |
| 81 | Other Services (except Public Administration) | 407 | 4% |
| 90 | Government | 752 | 8% |
| 99 | No Previous Work Experience/Unspecified | 1,666 | 18% |

MEDC Region 3 Northeast Michigan | Top Program Completions

| CIP | Program | Completions (2012) |
|-----|--|--------------------|
| 51 | Health professions and related programs | 313 |
| 24 | Liberal arts and sciences, general studies and humanities | 94 |
| 52 | Business, management, marketing, and related support services | 69 |
| 47 | Mechanic and repair technologies/technicians | 59 |
| 46 | Construction trades | 57 |
| 43 | Homeland security, law enforcement, firefighting and related protective services | 45 |
| 15 | Engineering technologies and engineering-related fields | 39 |
| 50 | Visual and performing arts | 27 |
| 12 | Personal and culinary services | 15 |
| 30 | Multi/interdisciplinary studies | 13 |

MEDC Region 3 Northeast Michigan | Gross Regional Product (GRP)

| | | | |
|------------------------|------------------------|----------------------------|------------------------|
| \$2,836,422,221 | \$1,341,602,217 | \$443,494,015 | \$4,621,518,452 |
| Earnings (2012) | Property Income (2012) | Taxes on Production (2012) | Total GRP (2012) |

| NAICS | Industry | GRP (2012) | % of Total |
|-------|--|---------------|------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | \$135,282,990 | 3% |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | \$301,569,347 | 7% |
| 22 | Utilities | \$176,001,264 | 4% |
| 23 | Construction | \$178,827,255 | 4% |
| 31 | Manufacturing | \$446,375,290 | 10% |
| 42 | Wholesale Trade | \$164,441,147 | 4% |
| 44 | Retail Trade | \$549,198,568 | 12% |
| 48 | Transportation and Warehousing | \$127,994,925 | 3% |
| 51 | Information | \$58,140,837 | 1% |
| 52 | Finance and Insurance | \$226,237,134 | 5% |
| 53 | Real Estate and Rental and Leasing | \$220,142,177 | 5% |
| 54 | Professional, Scientific, and Technical Services | \$99,972,481 | 2% |
| 55 | Management of Companies and Enterprises | \$5,658,225 | 0% |
| 56 | Administrative and Support and Waste Management and Remediation Services | \$75,141,583 | 2% |
| 61 | Educational Services (Private) | \$7,933,910 | 0% |
| 62 | Health Care and Social Assistance | \$407,180,451 | 9% |
| 71 | Arts, Entertainment, and Recreation | \$48,016,381 | 1% |
| 72 | Accommodation and Food Services | \$170,875,038 | 4% |
| 81 | Other Services (except Public Administration) | \$110,265,157 | 2% |
| 90 | Government | \$696,454,259 | 15% |
| | Other non-industries | \$415,810,032 | 9% |

MEDC Region 3 Northeast Michigan | Region Exports

\$6,138,144,612.53

Exports (2012)

67% of Supply

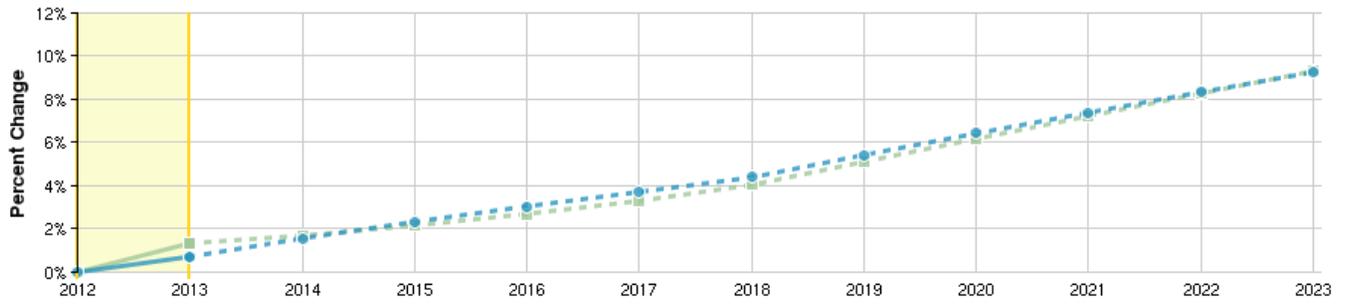
| NAICS | Industry | Exports (2012) |
|-------|--|-----------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | \$358,120,380 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | \$502,327,557 |
| 22 | Utilities | \$149,847,341 |
| 23 | Construction | \$169,003,152 |
| 31 | Manufacturing | \$1,406,988,469 |
| 42 | Wholesale Trade | \$193,229,697 |
| 44 | Retail Trade | \$463,705,457 |
| 48 | Transportation and Warehousing | \$185,124,653 |
| 51 | Information | \$39,891,479 |
| 52 | Finance and Insurance | \$178,952,003 |
| 53 | Real Estate and Rental and Leasing | \$134,290,086 |
| 54 | Professional, Scientific, and Technical Services | \$47,119,796 |
| 55 | Management of Companies and Enterprises | \$7,497,713 |
| 56 | Administrative and Support and Waste Management and Remediation Services | \$54,256,889 |
| 61 | Educational Services (Private) | \$2,591,440 |
| 62 | Health Care and Social Assistance | \$293,801,421 |
| 71 | Arts, Entertainment, and Recreation | \$44,581,926 |
| 72 | Accommodation and Food Services | \$153,354,562 |
| 81 | Other Services (except Public Administration) | \$73,497,257 |
| 90 | Government | \$1,679,963,336 |

MEDC Region 3 Northeast Michigan | Region Imports

| | |
|--|--|
| \$8,349,828,183 Imports (2012) 73% of Demand | \$3,086,437,396 Locally Produced & Consumed (2012) 27% of Demand |
|--|--|

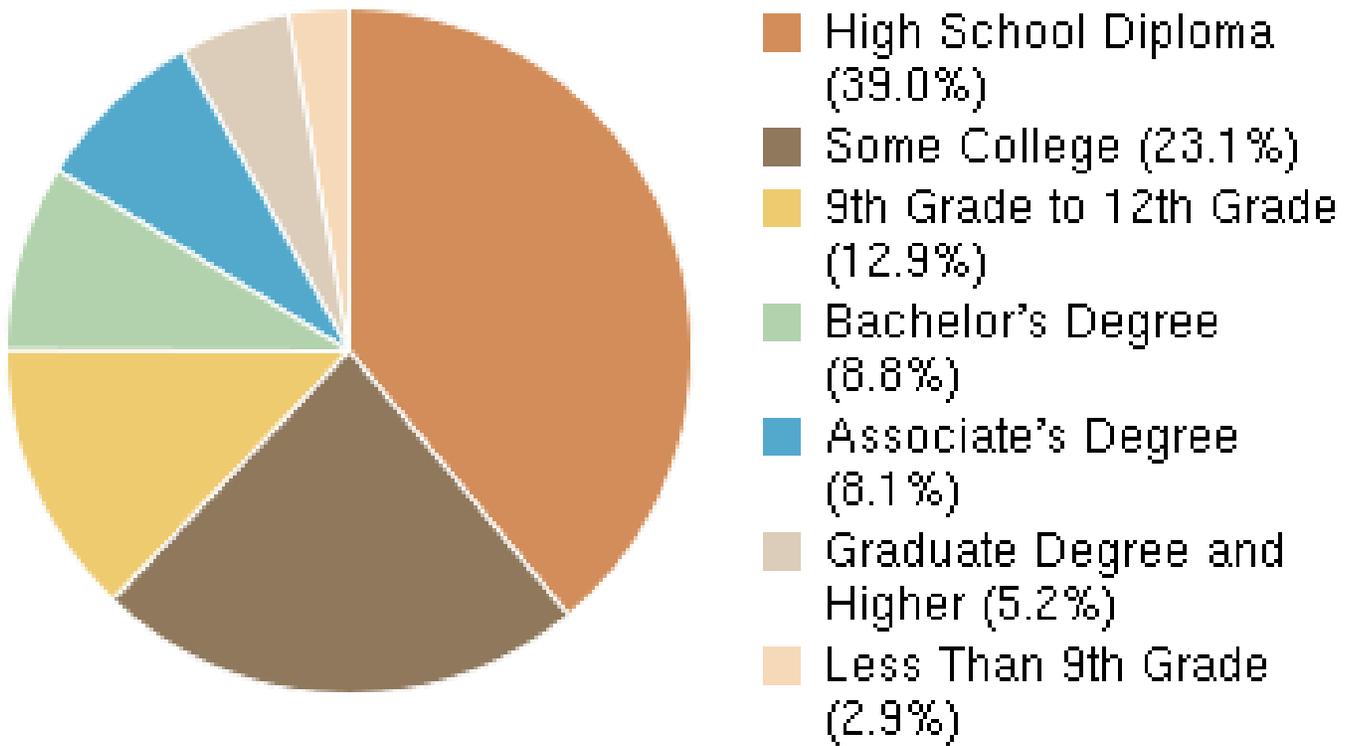
| NAICS | Industry | Imports (2012) |
|-------|--|-----------------|
| 11 | Agriculture, Forestry, Fishing and Hunting | \$117,260,810 |
| 21 | Mining, Quarrying, and Oil and Gas Extraction | \$123,104,172 |
| 22 | Utilities | \$106,393,860 |
| 23 | Construction | \$219,085,803 |
| 31 | Manufacturing | \$1,758,175,076 |
| 42 | Wholesale Trade | \$412,496,797 |
| 44 | Retail Trade | \$246,319,281 |
| 48 | Transportation and Warehousing | \$223,833,690 |
| 51 | Information | \$321,881,871 |
| 52 | Finance and Insurance | \$596,350,848 |
| 53 | Real Estate and Rental and Leasing | \$345,267,766 |
| 54 | Professional, Scientific, and Technical Services | \$377,424,776 |
| 55 | Management of Companies and Enterprises | \$130,871,144 |
| 56 | Administrative and Support and Waste Management and Remediation Services | \$146,750,060 |
| 61 | Educational Services (Private) | \$96,941,741 |
| 62 | Health Care and Social Assistance | \$487,504,518 |
| 71 | Arts, Entertainment, and Recreation | \$57,571,953 |
| 72 | Accommodation and Food Services | \$151,425,058 |
| 81 | Other Services (except Public Administration) | \$103,153,664 |
| 90 | Government | \$2,328,015,294 |

Regional Trends



| | Region | 2012 Jobs | 2013 Jobs | % Change |
|---|----------------------------------|-----------|-----------|----------|
| ● | MEDC Region 3 Northeast Michigan | 85,543 | 86,156 | 0.7% |
| ● | Michigan | 5,260,051 | 5,330,412 | 1.3% |

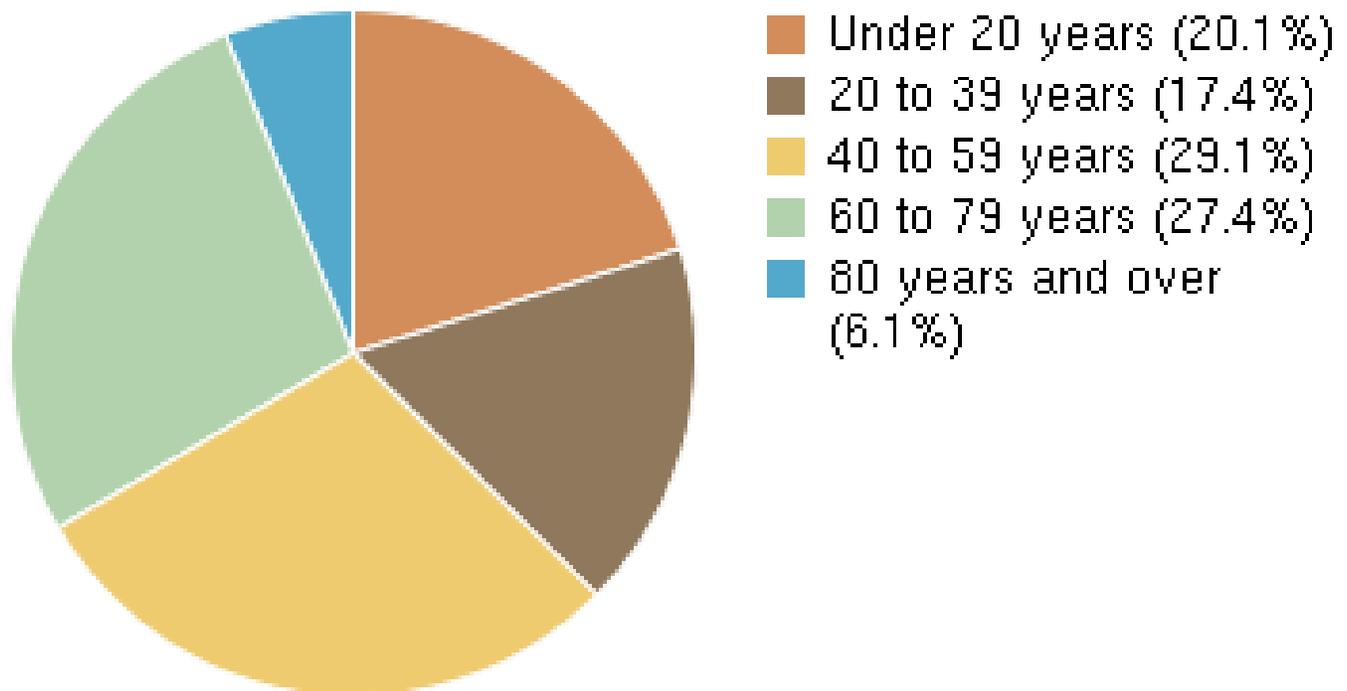
2013 Educational Attainment



Largest Openings/Completions Gaps

| Occupation | Related Completions (2012) | Annual Openings (2013) |
|--|-----------------------------------|-------------------------------|
| Personal Financial Advisors (13-2052) | 0 | 39 |
| Securities, Commodities, and Financial Services Sales Agents (41-3031) | 0 | 33 |
| Accountants and Auditors (13-2011) | 0 | 22 |
| Teachers and Instructors, All Other (25-3099) | 0 | 15 |
| Elementary School Teachers, Except Special Education (25-2021) | 5 | 18 |

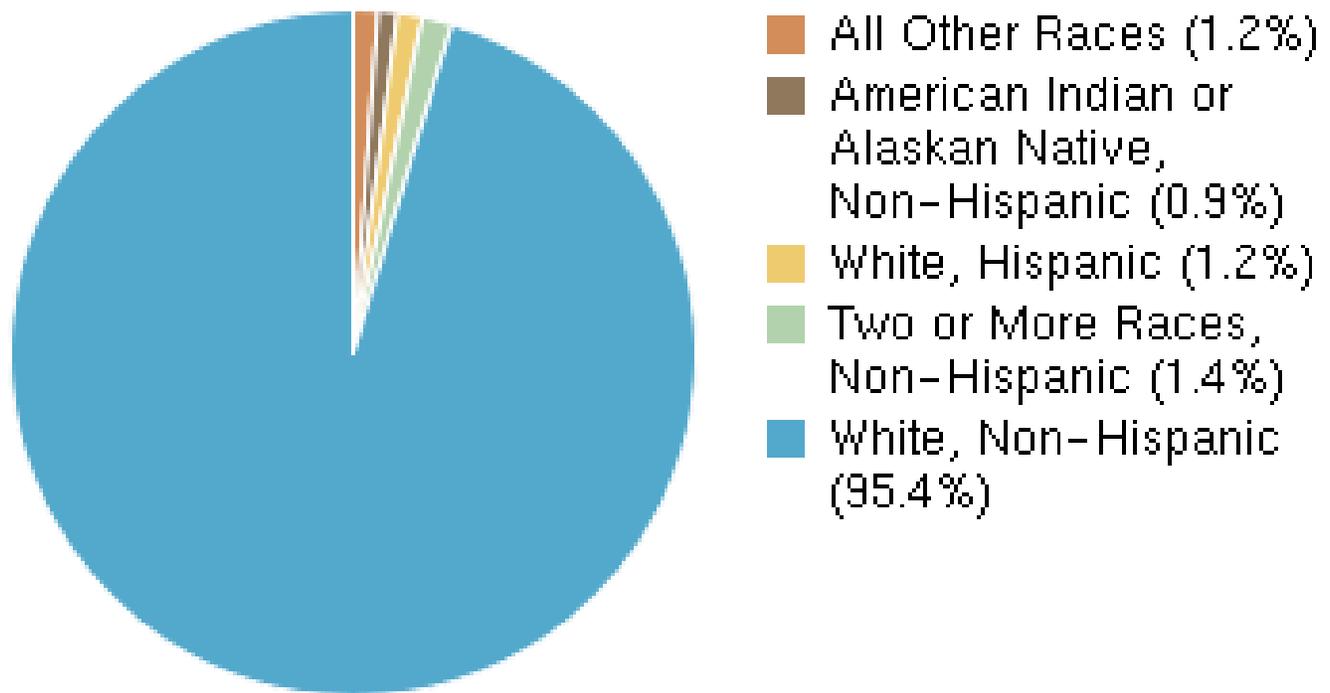
2013 Age Demographics



Growing/Declining Occupations

| Occupation | Change in Jobs (2012-2013) |
|--|---------------------------------------|
| Combined Food Preparation and Serving Workers, Including Fast Food (35-3021) | 117 |
| Waiters and Waitresses (35-3031) | 57 |
| Home Health Aides (31-1011) | 37 |
| Construction Laborers (47-2061) | -29 |
| Door-to-Door Sales Workers, News and Street Vendors, and Related Workers (41-9091) | -35 |
| Childcare Workers (39-9011) | -95 |

2013 Race Demographics



Growing/Declining Industries

| Industry | Change in Jobs (2012-2013) |
|---|----------------------------------|
| Limited-Service Restaurants (722211) | 167 |
| Full-Service Restaurants (722110) | 134 |
| Temporary Help Services (561320) | 124 |
| Supermarkets and Other Grocery (except Convenience) Stores (445110) | -77 |
| Hotels (except Casino Hotels) and Motels (721110) | -83 |
| Child Day Care Services (624410) | -105 |

Data Sources and Calculations

Input-Output Data

The input-output model in this report is created using the national Input-Output matrix provided by the federal Bureau of Economic Analysis. This is combined with the national Total Gross Output, the regional Total Gross Output, the land area of the subject region, regional DIRT data and regional in/out commuter patterns in order to calculate regional requirements, imports and exports. After using matrix algebra to calculate the regional multiplier, the resulting matrix is multiplied by the sales vector and converted back to jobs or earnings. Specifically, this data comes from the U.S. Department of Commerce, Bureau of Economic Analysis, Industry Economic Accounts: Benchmark & Annual Input-Output (I-O) Accounts.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

State Data Sources

This report uses state data from the following agencies: Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives

Educational Attainment Data

EMSI's educational attainment numbers are based on Census 1990, Census 2000, the Current Population Survey, and EMSI's demographic data. By combining these sources, EMSI interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.