

Ohio County Profiles



Department of
Development

Prepared by the Office of Strategic Research

Region 6

2006 Population: 525,578

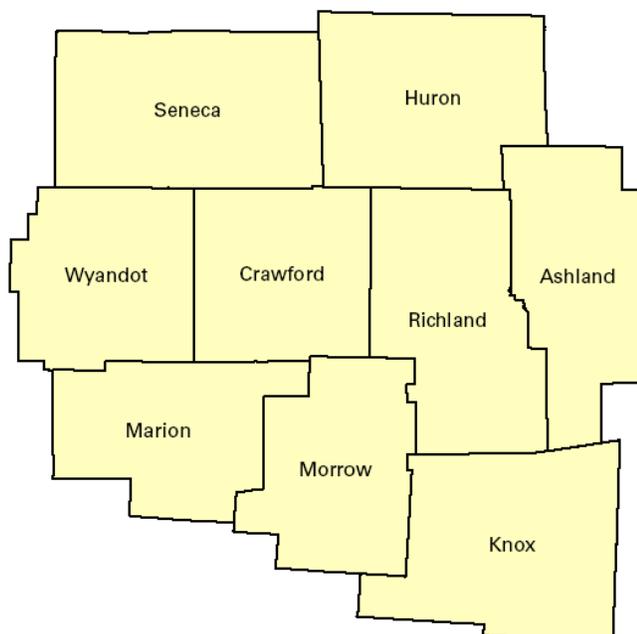
Land Area: 4,109.6 square miles

Regional Economic Development Office Location:

Walnut Building, 24 W. Third St., Suite 301

Mansfield, OH 44902-1235

Phone: (419) 522-2029 Fax: (419) 522-2203



Taxes

| | |
|--------------------------------|-----------------|
| Taxable value of real property | \$7,721,817,550 |
| Residential | \$5,603,253,510 |
| Agriculture | \$867,990,240 |
| Industrial | \$305,955,520 |
| Commercial | \$941,518,040 |
| Mineral | \$3,100,240 |
| Ohio income tax liability | \$269,908,439 |
| Average per return | \$1,145.43 |

Land Use/Land Cover

| | Percent |
|--|---------|
| Urban (Residential/Commercial/Industrial/ Transportation and Urban Grasses) | 5.01% |
| Cropland | 64.55% |
| Pasture | 6.39% |
| Forest | 22.36% |
| Open Water | 0.48% |
| Wetlands (Wooded/Herbaceous) | 1.11% |
| Bare/Mines | 0.09% |

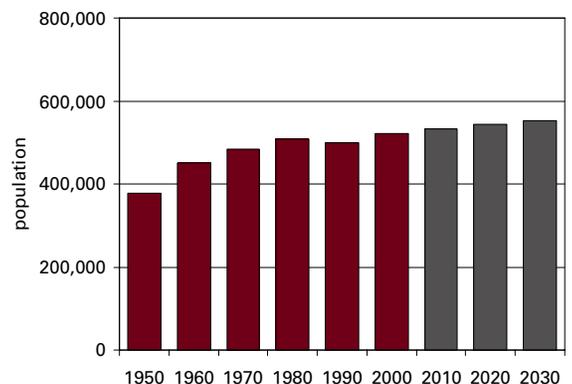
Largest Areas

| | Census 2000 | Est. 2006 |
|---------------------------|-------------|-----------|
| Mansfield, Richland Co. | 49,346 | 50,212 |
| Marion, Marion Co. | 35,318 | 36,138 |
| Ashland, Ashland Co. | 21,249 | 21,852 |
| Tiffin, Seneca Co. | 18,135 | 17,347 |
| Norwalk, Huron Co. | 16,238 | 16,576 |
| Mount Vernon, Knox Co. | 14,375 | 15,908 |
| Fostoria, Seneca Co. | 13,931 | 13,337 |
| Bucyrus, Crawford Co. | 13,224 | 12,581 |
| Madison twp UB, Rich. Co. | 12,383 | 11,508 |
| Galion, Crawford Co. | 11,341 | 11,158 |

UB: Unincorporated Balance

Total Population

| Census | | Estimated | |
|--------|---------|-----------|---------|
| 1800 | | 1900 | 268,331 |
| 1810 | 2,149 | 1910 | 283,032 |
| 1820 | 24,170 | 1920 | 298,094 |
| 1830 | 70,933 | 1930 | 318,038 |
| 1840 | 144,089 | 1940 | 333,294 |
| 1850 | 199,140 | 1950 | 377,613 |
| 1860 | 217,740 | 1960 | 450,041 |
| 1870 | 219,017 | 1970 | 483,640 |
| 1880 | 248,791 | 1980 | 507,376 |
| 1890 | 257,209 | 1990 | 499,237 |
| | | 2000 | 521,764 |
| | | 2010 | 533,610 |
| | | 2020 | 544,430 |
| | | 2030 | 551,540 |



Population by Race

| | Number | Percent |
|-------------------------------|---------------|-------------|
| Total Population | 521,764 | 100.0% |
| White | 491,514 | 94.2% |
| African-American | 17,793 | 3.4% |
| Native American | 1,095 | 0.2% |
| Asian | 2,204 | 0.4% |
| Pacific Islander | 119 | 0.0% |
| Other | 2,934 | 0.6% |
| Two or More Races | 6,105 | 1.2% |
| Hispanic (may be of any race) | 7,700 | 1.5% |
| Total Minority | 34,102 | 6.5% |

Educational Attainment

| | Number | Percent |
|---------------------------|---------|---------|
| Persons 25 years and over | 340,388 | 100.0% |
| No high school diploma | 64,390 | 18.9% |
| High school graduate | 155,393 | 45.7% |
| Some college, no degree | 59,354 | 17.4% |
| Associate degree | 19,161 | 5.6% |
| Bachelor's degree | 28,287 | 8.3% |
| Master's degree or higher | 13,803 | 4.1% |

Family Type by Employment Status

| | Number | Percent |
|---|---------|---------|
| Total Families | 141,003 | 100.0% |
| Married couple, husband and wife in labor force | 62,275 | 44.2% |
| Married couple, husband in labor force, wife not | 23,719 | 16.8% |
| Married couple, wife in labor force, husband not | 7,518 | 5.3% |
| Married couple, husband and wife not in labor force | 20,484 | 14.5% |
| Male householder, in labor force | 5,895 | 4.2% |
| Male householder, not in labor force | 1,464 | 1.0% |
| Female householder, in labor force | 13,611 | 9.7% |
| Female householder, not in labor force | 6,037 | 4.3% |

Household Income in 1999

| | Number | Percent |
|--------------------------------|-----------------|---------|
| Total Households | 197,597 | 100.0% |
| Less than \$10,000 | 16,219 | 8.2% |
| \$10,000 to \$19,999 | 27,692 | 14.0% |
| \$20,000 to \$29,999 | 30,325 | 15.3% |
| \$30,000 to \$39,999 | 28,331 | 14.3% |
| \$40,000 to \$49,999 | 25,224 | 12.8% |
| \$50,000 to \$59,999 | 20,867 | 10.6% |
| \$60,000 to \$74,999 | 20,899 | 10.6% |
| \$75,000 to \$99,999 | 16,802 | 8.5% |
| \$100,000 to \$149,999 | 8,105 | 4.1% |
| \$150,000 to \$199,999 | 1,582 | 0.8% |
| \$200,000 or more | 1,551 | 0.8% |
| Median household income | \$38,594 | |

Population by Age

| | Number | Percent |
|-------------------|-------------|---------|
| Total Population | 521,764 | 100.0% |
| Under 6 years | 41,067 | 7.9% |
| 6 to 17 years | 92,553 | 17.7% |
| 18 to 24 years | 47,756 | 9.2% |
| 25 to 44 years | 147,048 | 28.2% |
| 45 to 64 years | 121,462 | 23.3% |
| 65 years and more | 71,878 | 13.8% |
| Median Age | 36.8 | |

Family Type by Presence of Own Children Under 18

| | Number | Percent |
|---|---------|---------|
| Total Families | 141,003 | 100.0% |
| Married-couple families with own children | 48,478 | 34.4% |
| Male householder, no wife present, with own children | 4,468 | 3.2% |
| Female householder, no husband present, with own children | 12,407 | 8.8% |
| Families with no own children | 75,650 | 53.7% |

Poverty Status in 1999 of Families By Family Type by Presence Of Related Children

| | Number | Percent |
|---|---------|---------|
| Total Families | 141,003 | 100.0% |
| Family income above poverty level | 130,927 | 92.9% |
| Family income below poverty level | 10,076 | 7.1% |
| Married couple, with related children | 2,511 | 24.9% |
| Male householder, no wife present, with related children | 717 | 7.1% |
| Female householder, no husband present, with related children | 4,433 | 44.0% |
| Families with no related children | 2,415 | 24.0% |

Ratio of Income in 1999 To Poverty Level

| | Number | Percent |
|--|---------|---------|
| Population for whom poverty status is determined | 500,734 | 100.0% |
| Below 50% of poverty level | 20,207 | 4.0% |
| 50% to 99% of poverty level | 27,641 | 5.5% |
| 100% to 149% of poverty level | 42,512 | 8.5% |
| 150% to 199% of poverty level | 50,289 | 10.0% |
| 200% of poverty level or more | 360,085 | 71.9% |

Residence in 1995

| | Number | Percent |
|------------------------------|---------|---------|
| Population 5 years and over | 487,953 | 100.0% |
| Same house in 1995 | 293,100 | 60.1% |
| Different house, same county | 118,630 | 24.3% |
| Different county, same state | 53,500 | 11.0% |
| Different state | 19,896 | 4.1% |
| Puerto Rico or U.S. islands | 42 | 0.0% |
| Foreign country | 2,785 | 0.6% |

Travel Time To Work

| | Number | Percent |
|---------------------------|---------|---------|
| Workers 16 years and over | 239,757 | 100.0% |
| Less than 15 minutes | 96,060 | 40.1% |
| 15 to 29 minutes | 80,625 | 33.6% |
| 30 to 44 minutes | 29,881 | 12.5% |
| 45 to 59 minutes | 11,601 | 4.8% |
| 60 minutes or more | 14,364 | 6.0% |
| Worked at home | 7,226 | 3.0% |

Mean travel time 21.6 minutes

Housing Units

| | Number | Percent |
|------------------------|---------|---------|
| Total housing units | 210,905 | 100.0% |
| Occupied housing units | 197,548 | 93.7% |
| Owner occupied | 145,934 | 69.2% |
| Renter occupied | 51,614 | 24.5% |
| Vacant housing units | 13,357 | 6.3% |

Year Structure Built

| | Number | Percent |
|--------------------------|---------|---------|
| Total housing units | 210,905 | 100.0% |
| Built 1995 to March 2000 | 15,596 | 7.4% |
| Built 1990 to 1994 | 9,601 | 4.6% |
| Built 1980 to 1989 | 16,639 | 7.9% |
| Built 1970 to 1979 | 32,264 | 15.3% |
| Built 1960 to 1969 | 26,030 | 12.3% |
| Built 1950 to 1959 | 28,082 | 13.3% |
| Built 1940 to 1949 | 17,020 | 8.1% |
| Built 1939 or earlier | 65,673 | 31.1% |

Median year built 1951

Value for Specified Owner-Occupied Housing Units

| | Number | Percent |
|--|---------|---------|
| Specified owner-occupied housing units | 116,759 | 100.0% |
| Less than \$20,000 | 1,235 | 1.1% |
| \$20,000 to \$39,999 | 6,484 | 5.6% |
| \$40,000 to \$59,999 | 15,135 | 13.0% |
| \$60,000 to \$79,999 | 24,754 | 21.2% |
| \$80,000 to \$99,999 | 26,286 | 22.5% |
| \$100,000 to \$124,999 | 16,834 | 14.4% |
| \$125,000 to \$149,999 | 11,661 | 10.0% |
| \$150,000 to \$199,999 | 9,371 | 8.0% |
| \$200,000 to \$249,999 | 2,745 | 2.4% |
| \$250,000 to \$499,999 | 2,064 | 1.8% |
| \$500,000 to \$999,999 | 134 | 0.1% |
| \$1,000,000 or more | 56 | 0.0% |

Median value \$87,576

House Heating Fuel

| | Number | Percent |
|----------------------------|---------|---------|
| Occupied housing units | 197,548 | 100.0% |
| Utility gas | 115,246 | 58.3% |
| Bottled, tank or LP gas | 26,151 | 13.2% |
| Electricity | 32,922 | 16.7% |
| Fuel oil, kerosene, etc | 15,540 | 7.9% |
| Coal, coke or wood | 6,229 | 3.2% |
| Solar energy or other fuel | 1,225 | 0.6% |
| No fuel used | 235 | 0.1% |

Gross Rent

| | Number | Percent |
|---|--------|---------|
| Specified renter-occupied housing units | 50,000 | 100.0% |
| Less than \$100 | 653 | 1.3% |
| \$100 to \$199 | 2,747 | 5.5% |
| \$200 to \$299 | 4,090 | 8.2% |
| \$300 to \$399 | 9,513 | 19.0% |
| \$400 to \$499 | 11,668 | 23.3% |
| \$500 to \$599 | 8,919 | 17.8% |
| \$600 to \$699 | 4,878 | 9.8% |
| \$700 to \$799 | 2,247 | 4.5% |
| \$800 to \$899 | 943 | 1.9% |
| \$900 to \$999 | 435 | 0.9% |
| \$1,000 to \$1,499 | 433 | 0.9% |
| \$1,500 or more | 193 | 0.4% |
| No cash rent | 3,281 | 6.6% |

Median gross rent \$452

Median gross rent as a percentage of household income in 1999

Selected Monthly Owner Costs for Specified Owner-Occupied Housing Units

| | Number | Percent |
|--|--------|---------|
| Specified owner-occupied housing units with a mortgage | 76,208 | 100.0% |
| Less than \$400 | 3,794 | 5.0% |
| \$400 to \$599 | 14,355 | 18.8% |
| \$600 to \$799 | 20,375 | 26.7% |
| \$800 to \$999 | 16,800 | 22.0% |
| \$1,000 to \$1,249 | 11,196 | 14.7% |
| \$1,250 to \$1,499 | 5,069 | 6.7% |
| \$1,500 to \$1,999 | 3,521 | 4.6% |
| \$2,000 to \$2,999 | 888 | 1.2% |
| \$3,000 or more | 210 | 0.3% |

Median monthly owners cost \$796

Median monthly owners cost as a percentage of household income

Vital Statistics

| | Number | Rate |
|--|--------|-------|
| Births / rate per 1,000 women aged 15-44 | 6,583 | 63.9 |
| Teen births / rate per 1,000 females 15-17 | 228 | 20.4 |
| Deaths / rate per 100,000 population | 5,146 | 976.1 |
| Marriages / rate per 1,000 population | 3,486 | 6.6 |
| Divorces / rate per 1,000 population | 1,815 | 3.4 |

Migration

Agriculture

| | |
|-----------------------|---------------|
| Land in farms (acres) | 1,833,000 |
| Number of farms | 7,980 |
| Average size (acres) | 230 |
| Total cash receipts | \$632,451,000 |
| Per farm | \$78,761 |

Education

| | |
|-------------------------------------|---------|
| Public schools | 240 |
| Students (Average Daily Membership) | 86,297 |
| Expenditures per student | \$8,415 |
| Student-teacher ratio | |
| Graduation rate | |
| Teachers (Full Time Equivalent) | 5,528.6 |
| Non-public schools | 36 |
| Students | 5,922 |
| 4-year public universities | 0 |
| Branches | 2 |
| 2-year public colleges | 2 |
| Private universities and colleges | 5 |
| Public libraries (Main / Branches) | 27 / 19 |

Transportation

| | |
|---------------------------|-----------------|
| Registered motor vehicles | 621,727 |
| Passenger cars | 372,758 |
| Noncommercial trucks | 117,983 |
| Total license revenue | \$17,059,196.42 |
| Interstate highway miles | 56.71 |
| Turnpike miles | 0.00 |
| U.S. highway miles | 395.39 |
| State highway miles | 1,484.27 |
| Commercial airports | 16 |

Voting

| | |
|-----------------------------|---------|
| Number of precincts | 541 |
| Number of registered voters | 346,050 |
| Voted in 2006 election | 189,783 |
| Percent turnout | 54.8% |

Health Care

| | |
|--|-------|
| Physicians (MDs & DOs) | 656 |
| Registered hospitals | 15 |
| Number of beds | 1,617 |
| Licensed nursing homes | 61 |
| Number of beds | 4,962 |
| Licensed residential care | 37 |
| Number of beds | 2,002 |
| Adults with employer-based insurance | 61.6% |
| Children with employer-based insurance | 67.5% |

State Parks, Forests, Nature Preserves, And Wildlife Areas

| | |
|------------|-----------|
| Facilities | 39 |
| Acreage | 26,450.15 |

Communications

| | |
|---------------------|---------|
| Television stations | 6 |
| Radio stations | 21 |
| Daily newspapers | 12 |
| Circulation | 121,321 |

Crime

| | |
|---|--------|
| Total crimes reported in Uniform Crime Report | 12,856 |
|---|--------|

Finance

| | |
|---|-----------------|
| FDIC insured financial institutions (HQs) | 21 |
| Assets | \$4,464,876,000 |
| Branch offices | 211 |
| Institutions represented | 41 |

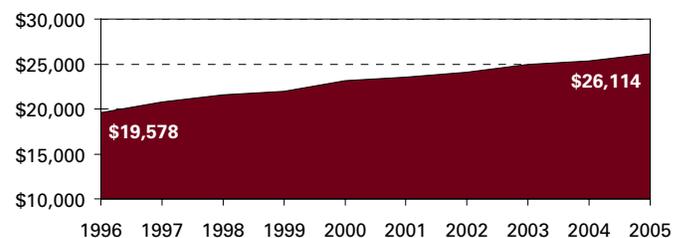
Transfer Payments

| | |
|--|------------------|
| Total transfer payments | \$2,837,532,000 |
| Payments to individuals | \$2,695,379,000 |
| Retirement and disability | \$1,192,954,000 |
| Medical payments | \$1,157,236,000 |
| Income maintenance (Supplemental SSI, family assistance, food stamps, etc) | \$223,475,000 |
| Unemployment benefits | \$57,606,000 |
| Veterans benefits | \$45,120,000 |
| Federal education and training assistance | \$17,301,000 |
| Other payments to individuals | \$1,687,000 |
| Total personal income | \$13,738,729,000 |
| Dependency ratio | 20.7% |

Federal Expenditures

| | |
|--|-----------------|
| Direct expenditures or obligations | \$2,498,485,445 |
| Retirement and disability | \$1,236,225,782 |
| Other direct payments | \$637,277,207 |
| Grant awards | \$469,416,041 |
| Highway planning and construction | \$38,779,875 |
| Temporary assistance to needy families | \$34,748,092 |
| Medical assistance program | \$262,934,083 |
| Procurement contract awards | \$45,157,025 |
| Dept. of Defense | \$26,135,945 |
| Salary and wages | \$110,409,390 |
| Dept. of Defense | \$28,321,000 |
| Other federal assistance | \$591,460,797 |
| Direct loans | \$78,304,596 |
| Guaranteed loans | \$189,624,381 |
| Insurance | \$323,531,820 |

Per Capita Personal Income



Civilian Labor Force

| | 2002 | 2003 | 2004 | 2005 | 2006 |
|----------------------|---------|---------|---------|---------|---------|
| Civilian labor force | 265,000 | 265,900 | 266,800 | 266,800 | 267,200 |
| Employed | 248,200 | 247,800 | 248,500 | 249,900 | 251,500 |
| Unemployed | 16,800 | 18,100 | 18,200 | 16,900 | 15,700 |
| Unemployment rate | 6.3 | 6.8 | 6.8 | 6.4 | 5.9 |

Employment and Wages by Sector

| NAICS Industrial Sector | Average Annual Employment | | Total Wages (in thousands of dollars) | |
|--|--|---------|--|-------------|
| | 2004 | 2005 | 2004 | 2005 |
| | Total covered under Ohio UC Law | | | |
| Total covered under Ohio UC Law | 200,692 | 199,956 | \$6,111,314 | \$6,171,299 |
| Private Sector | 169,948 | 169,620 | \$5,116,530 | \$5,162,310 |
| Agriculture, forestry, fishing and hunting | 413 | 524 | \$8,203 | \$10,628 |
| Mining | 486 | 470 | \$18,708 | \$17,940 |
| Utilities | 162 | 158 | \$8,173 | \$8,557 |
| Construction | 8,383 | 8,926 | \$311,029 | \$331,601 |
| Manufacturing | 54,317 | 53,545 | \$2,223,719 | \$2,207,878 |
| Wholesale trade | 4,585 | 4,621 | \$162,978 | \$169,793 |
| Retail trade | 21,836 | 22,119 | \$435,912 | \$445,983 |
| Transportation and warehousing | 2,474 | 2,221 | \$75,823 | \$68,974 |
| Information | 3,380 | 3,314 | \$152,238 | \$137,408 |
| Finance and insurance | 4,613 | 4,726 | \$151,197 | \$160,398 |
| Real estate and rental and leasing | 1,543 | 1,571 | \$34,530 | \$36,280 |
| Professional and technical services | 4,132 | 4,029 | \$139,609 | \$140,755 |
| Management of companies and enterprises | 679 | 320 | \$33,310 | \$13,680 |
| Administrative and waste services | 7,096 | 6,454 | \$120,029 | \$114,547 |
| Educational services | 2,552 | 2,679 | \$69,347 | \$75,701 |
| Health care and social assistance | 15,118 | 15,321 | \$471,982 | \$476,792 |
| Arts, entertainment, and recreation | 1,847 | 1,759 | \$20,938 | \$19,693 |
| Accommodation and food services | 15,936 | 15,624 | \$153,079 | \$149,457 |
| Other services, except public administration | 6,742 | 6,521 | \$115,542 | \$113,597 |
| State and Local Government | 30,744 | 30,335 | \$994,785 | \$1,008,988 |
| State government | 3,872 | 3,928 | \$160,793 | \$169,217 |
| Local government | 21,060 | 20,661 | \$654,955 | \$657,501 |
| Federal Government | 1,494 | 1,491 | \$67,780 | \$68,137 |

-1 or \$0 indicates suppression for confidentiality

Business Numbers

| | 2002 | 2003 | 2004 | 2005 | 2006 |
|-------------------|--------|--------|--------|--------|--------|
| Business starts | 1,050 | 1,203 | 990 | 942 | 1,036 |
| Active businesses | 10,495 | 10,594 | 10,801 | 10,872 | 10,732 |

Residential

Construction

| | 2002 | 2003 | 2004 | 2005 | 2006 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| Total units | 1,764 | 1,788 | 2,434 | 1,985 | 1,682 |
| Total valuation (000) | \$192,660 | \$204,367 | \$300,769 | \$242,668 | \$206,611 |
| Total single-unit bldgs | 1,548 | 1,550 | 1,861 | 1,462 | 1,134 |
| Average cost per unit | \$112,730 | \$122,652 | \$140,004 | \$144,544 | \$149,403 |
| Total multi-unit bldg units | 216 | 238 | 573 | 523 | 548 |
| Average cost per unit | \$84,044 | \$59,900 | \$70,194 | \$59,933 | \$67,861 |

Major Employers

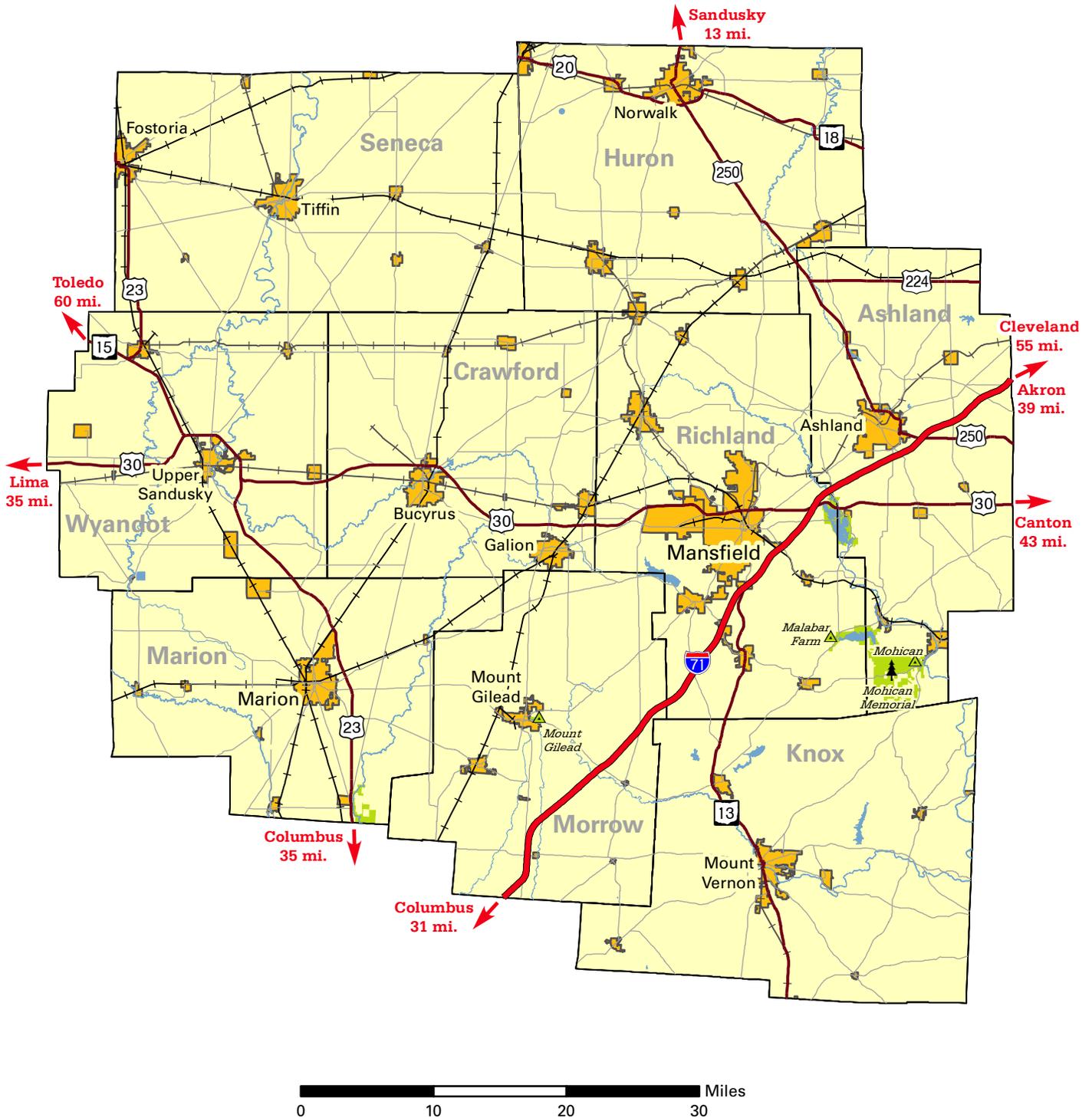
| | |
|----------------------------------|------|
| AK Steel Holding Corp | Mfg |
| American Standard Inc | Mfg |
| Ariel Ltd | Mfg |
| Ashland University | Serv |
| Campbell Soup Co/Pepperidge Farm | Mfg |
| Emerson Electric Co/Therm-O-Disc | Mfg |
| General Electric Co | Mfg |
| General Motors Corp | Mfg |
| PPG Industries Inc | Mfg |
| R R Donnelley & Sons Co | Mfg |
| Rolls-Royce plc | Mfg |
| Step2 Co | Mfg |
| Timken Co | Mfg |
| TRW Automotive Holdings | Mfg |
| Whirlpool Corp | Mfg |

Region 6

North Central Ohio



Department of
Development



Walnut Building
24 W. Third St., Suite 301
Mansfield, OH 44902-1235
Phone: (419) 522-2029
Fax: (419) 522-2203

Population (2006): 525,578
Area: 4,109.6 sq. mi.

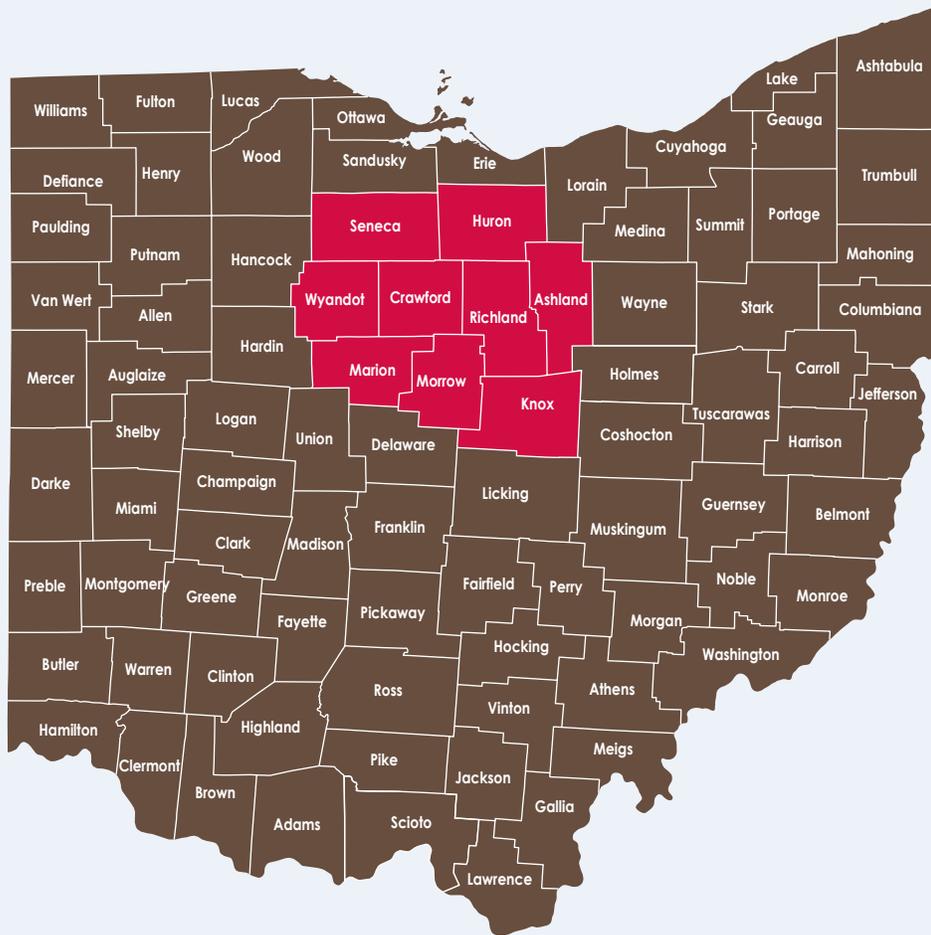
2007 Ohio Private Investment List

| Region | County | Company | City | NAICS | Product | Type | Jobs | Investment | Square Feet | New | Exp |
|-----------------|---------------|-----------------------------|-------------|--------|-------------------|---------|------------|----------------------|----------------|-----|-----|
| 6 | Ashland | American Augers | Jackson Twp | 333131 | Boring machines | MF | 25 | \$4,760,000 | 100,000 | | Exp |
| 6 | Ashland | DuPont/Liqui-Box | Ashland | 326111 | Packaging | MF | 25 | \$3,600,000 | 32,600 | | Exp |
| 6 | Crawford | Imasen Bucyrus Technology | Bucyrus | 336399 | Auto parts | MF/F | 101 | \$4,000,000 | | | Exp |
| 6 | Crawford | Galion Municipal Airport | Galion | 488119 | Airport | Trans | | \$2,000,000 | | | Exp |
| 6 | Crawford | Bucyrus Community Hospital | Bucyrus | 62211 | Hospital | Health | 10 | \$20,000,000 | 55,000 | | Exp |
| 6 | Crawford | Galion Community Hospital | Gallion | 62211 | Hospital | Health | 31 | \$8,500,000 | 39,000 | | Exp |
| 6 | Crawford | Covert | Galion | 33321 | Machined products | MF | 50 | \$5,000,000 | 40,000 | | Exp |
| 6 | Hardin | University Inn | Ada | 72111 | Hotel | HO | | \$7,000,000 | | New | |
| 6 | Huron | Durable Corp | Norwalk | 326299 | Rubber products | MF | | \$3,000,000 | 30,000 | | Exp |
| 6 | Huron | Batesville Logistics | Norwalk | 42385 | Caskets | DW | | \$1,000,000 | 20,000 | | Exp |
| 6 | Marion | Poet Biorefining | Marion Twp | 325193 | Ethanol | MF | 41 | \$130,000,000 | 50,000 | New | |
| 6 | Marion | Altra Inc | Marion Twp | 325193 | Ethanol | MF | | \$174,000,000 | | New | |
| 6 | Marion | Marion Industries | Marion | 336399 | Auto parts | MF | 22 | \$8,000,000 | | | Exp |
| 6 | Marion | Northwest Industrial Bypass | Marion Twp | 23731 | Road bypass | Highway | | \$12,000,000 | | New | |
| 6 | Richland | Newman Technology | Mansfield | 336399 | Auto parts | R&D/F | 10 | \$3,000,000 | | | Exp |
| 6 | Richland | Next Generation | Lexington | 326113 | Plastic film | HQ/MF | 30 | \$10,000,000 | | | Exp |
| 6 | Seneca | Kiser Enterprises | Fostoria | 333514 | Machine tools | MF | 10 | \$2,300,000 | | | Exp |
| 6 | Seneca | InfoCision Management | Fostoria | 561422 | Call center | OF | 100 | | | New | |
| 6 | Seneca | Mercy Hospital | Tiffin | 62211 | Hospital | Health | | \$65,000,000 | 200,000 | New | |
| Region 7 | Totals | | | | | | 455 | \$463,160,000 | 566,600 | | |

Workforce Analysis

North Central Ohio

Economic Development Region 6



Workforce Analysis
Economic Development Region 6

*Ashland, Crawford, Huron, Knox, Marion, Morrow,
Richland, Seneca and Wyandot Counties*



October
2007

Workforce Analysis Economic Development Region 6 North Central Ohio

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Executive Summary

- This EDR is centered around the Mansfield Metropolitan Statistical Area (MSA) in Richland County. About 23,600 people in net commute out of the region to work.
- Population in 2006 was about 526,000, a 2.0 percent increase from 1995. Demographically, this region is slightly older than the rest of the state.
- Total nonfarm employment in 2006 was about 200,000, down 5.2 percent from 2000.
- The 2006 unemployment rate was 5.9 percent, down 0.9 percentage point from the peak in 2003.
- Per capita income was \$26,114 in 2005, an annual compound increase of 3.3 percent.
- About 1,700 residential building permits were granted in 2006, a steep decline from the building boom in 2004. The average unit valuation has held around \$123,000.
- Total employment is expected to increase 9,700 from 2004 to 2014. The fastest growing industry sectors will be education and health services; professional and business services; retail trade; and accommodation and food services.
- The fastest-growing occupational groups will be healthcare; sales and related; and education, training, and library occupations.
- In general, this region has a lower level of overall educational attainment than the rest of the state.
- There are 15 postsecondary training providers in North Central Ohio offering over 700 different programs. Almost 6,000 degrees and certificates were awarded in 2006.
- The most important workplace skills through 2014 will be reading comprehension, critical thinking and active listening.

I. Understanding the Local Labor Market

Labor economists define a *labor market* as a geographic area in which both the demand and supply for labor are met primarily within that region.¹ In other words, it is an area where there are jobs and the majority of workers needed for those jobs. An important first step in identifying local labor markets is to examine the commuting patterns of individuals who live or work in the area. These patterns are one of the primary inputs used to define metropolitan areas.

The North Central Ohio EDR is centered around the Mansfield MSA in Richland County. It is not surprising, then, that Richland County is the only county in this region with a positive net flow of commuters—about 2,600. Combined, a net 23,600 people commute out of the region to work. This total excludes commuting between counties within the region. While Morrow County has a negative net flow of commuters, it also has the largest percentage of workers in the county commuting in from outside: 52.3 percent.

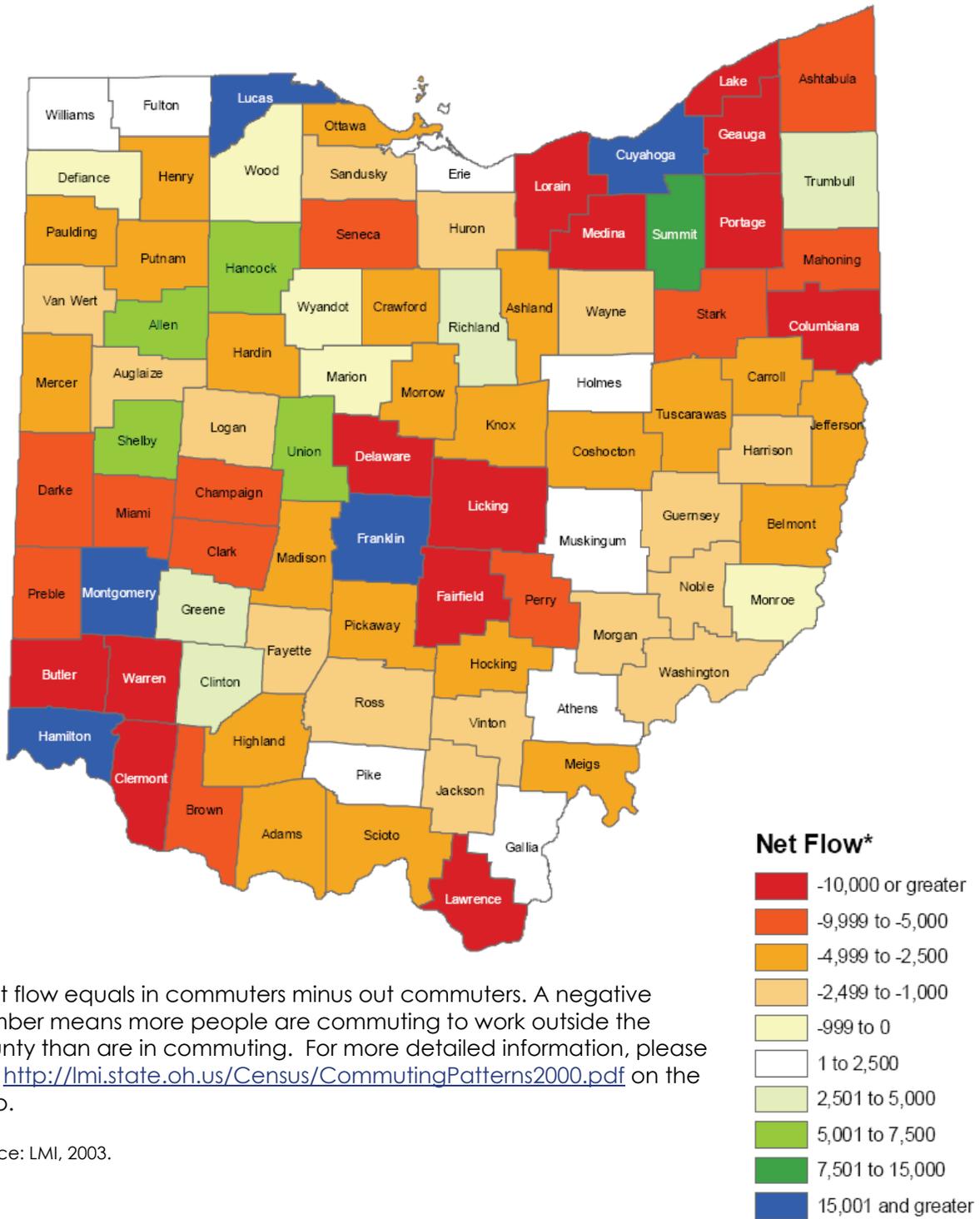
Figure 1: Regional Commuting Patterns

| County | In-Commuters | | | Out-Commuters | | | Net Comparisons | |
|---------------------------|-----------------------|---------------|-------------------------|-------------------------------|---------------|--------------------------|-----------------------|----------------------------|
| | Working in the County | In-Commuters | Percent of In-Commuters | Employed Living in the County | Out-Commuters | Percent of Out-Commuters | Net Flow of Commuters | Percent of Total Commuters |
| Ashland | 21,760 | 4,982 | 22.9% | 24,737 | 7,959 | 32.2% | -2,977 | -23.0% |
| Crawford | 18,335 | 4,270 | 23.3% | 21,442 | 7,377 | 34.4% | -3,107 | -26.7% |
| Huron | 26,012 | 7,702 | 29.6% | 27,571 | 9,261 | 33.6% | -1,559 | -9.2% |
| Knox | 20,823 | 3,160 | 15.2% | 25,064 | 7,401 | 29.5% | -4,241 | -40.2% |
| Marion | 29,138 | 6,447 | 22.1% | 29,138 | 6,447 | 22.1% | 0 | 0.0% |
| Morrow | 10,435 | 5,460 | 52.3% | 15,083 | 10,138 | 67.2% | -4,678 | -30.0% |
| Richland | 59,733 | 11,943 | 20.0% | 57,131 | 9,341 | 16.4% | 2,602 | 12.2% |
| Seneca | 23,261 | 5,491 | 23.6% | 28,274 | 10,504 | 37.2% | -5,013 | -31.3% |
| Wyandot | 10,338 | 2,823 | 27.3% | 11,317 | 3,802 | 33.6% | -979 | -14.8% |
| North Central Ohio | 219,835 | 19,198 | 8.7% | 239,757 | 42,752 | 17.8% | -23,554 | -38.0% |

Figure 2 on the next page shows a visual summary of the net flow of commuters from the 2000 decennial census. Most workers commuting into a county to work usually do so from adjacent counties. Detailed county-to-county commuting is shown in Appendix C.

¹ Goldstein, 2005 (p. 1).

Figure 2: Net Flow of Ohio Commuters



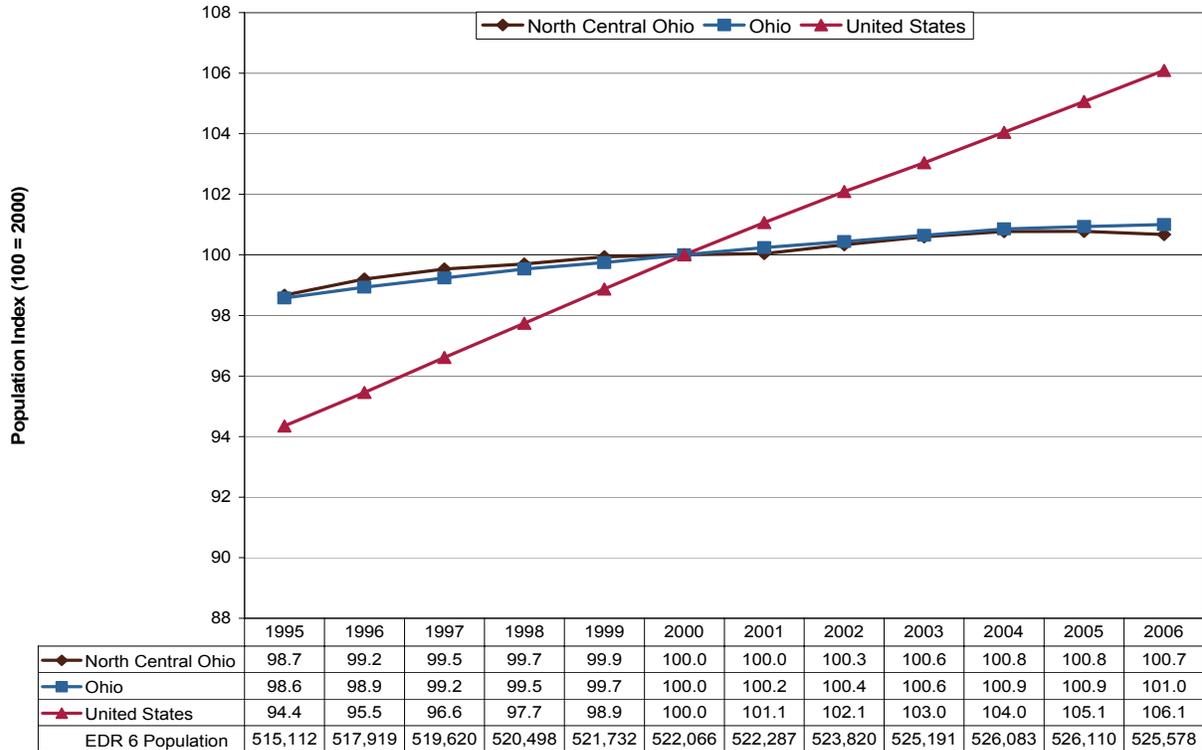
*Net flow equals in commuters minus out commuters. A negative number means more people are commuting to work outside the county than are in commuting. For more detailed information, please visit <http://lmi.state.oh.us/Census/CommutingPatterns2000.pdf> on the web.

Source: LMI, 2003.

II. Economic Indicators

Population Trends. North Central Ohio's population was estimated at approximately 526,000 in 2006, a 2.0 percent increase from 1995, although population actually fell slightly from 2005 to 2006. In terms of population growth, the EDR's trends were very similar to those of the state over the period of analysis, as one can see in Figure 3 below. Ohio's population grew 2.5 percent while national population rose 12.4 percent.

Figure 3: Population Trends, 1995-2006



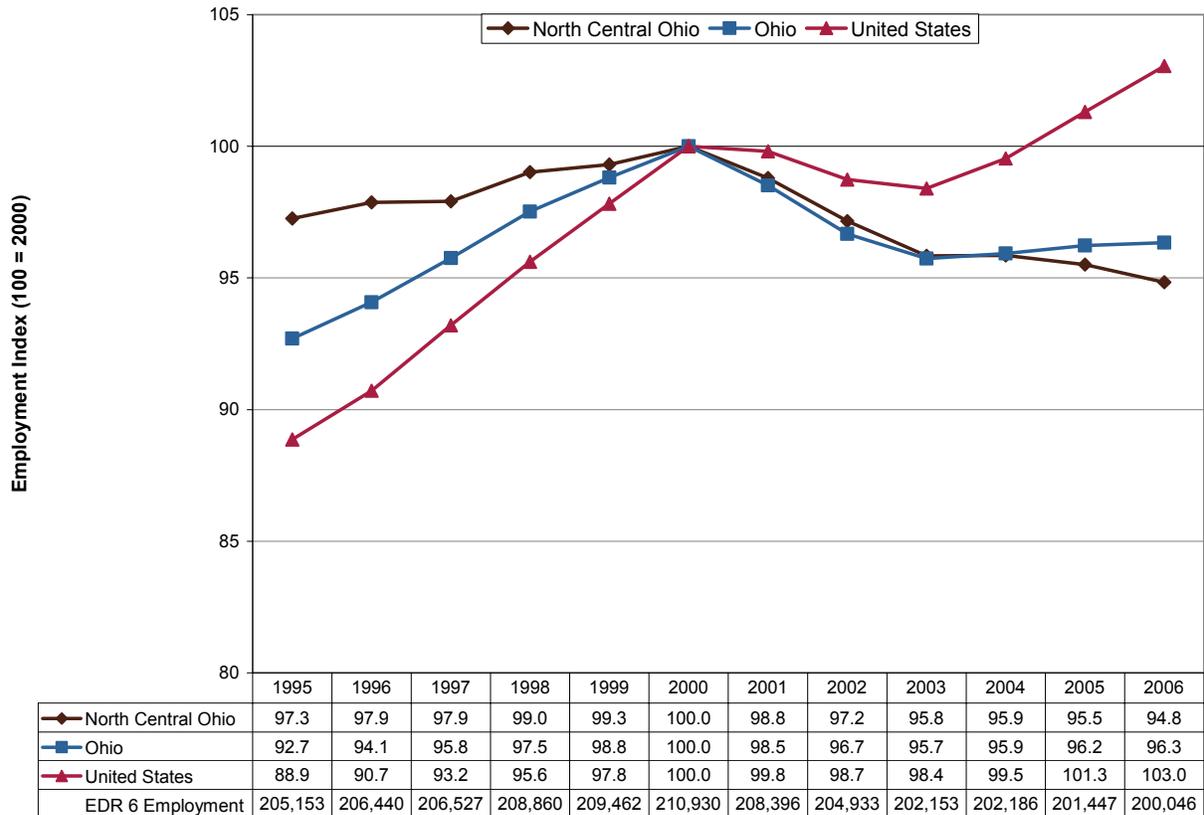
Demographic Traits. Age demographics from 2006 reveal slight differences between this EDR and the rest of the state and nation. While Ohio and North Central Ohio have highly similar demographic profiles, North Central Ohio's population is slightly older, with 25.4 percent of residents 55 or older, compared with 24.3 percent statewide.

Figure 4: Demographic Characteristics, 2006

| | United States | | Ohio | | North Central Ohio | |
|--------------|--------------------|---------------|-------------------|---------------|--------------------|---------------|
| Total | 299,238,484 | 100.0% | 11,478,006 | 100.0% | 525,578 | 100.0% |
| Under 5 | 20,417,636 | 6.8% | 734,735 | 6.4% | 32,641 | 6.2% |
| 5 to 14 | 40,337,284 | 13.5% | 1,534,571 | 13.4% | 68,871 | 13.1% |
| 15 to 24 | 42,435,426 | 14.2% | 1,597,458 | 13.9% | 71,897 | 13.7% |
| 25 to 34 | 40,415,979 | 13.5% | 1,459,394 | 12.7% | 69,058 | 13.1% |
| 35 to 44 | 43,666,950 | 14.6% | 1,621,662 | 14.1% | 70,777 | 13.5% |
| 45 to 54 | 43,278,174 | 14.5% | 1,738,480 | 15.1% | 78,927 | 15.0% |
| 55 to 64 | 31,586,683 | 10.6% | 1,259,712 | 11.0% | 58,856 | 11.2% |
| 65 and older | 37,260,352 | 12.5% | 1,531,994 | 13.3% | 74,551 | 14.2% |

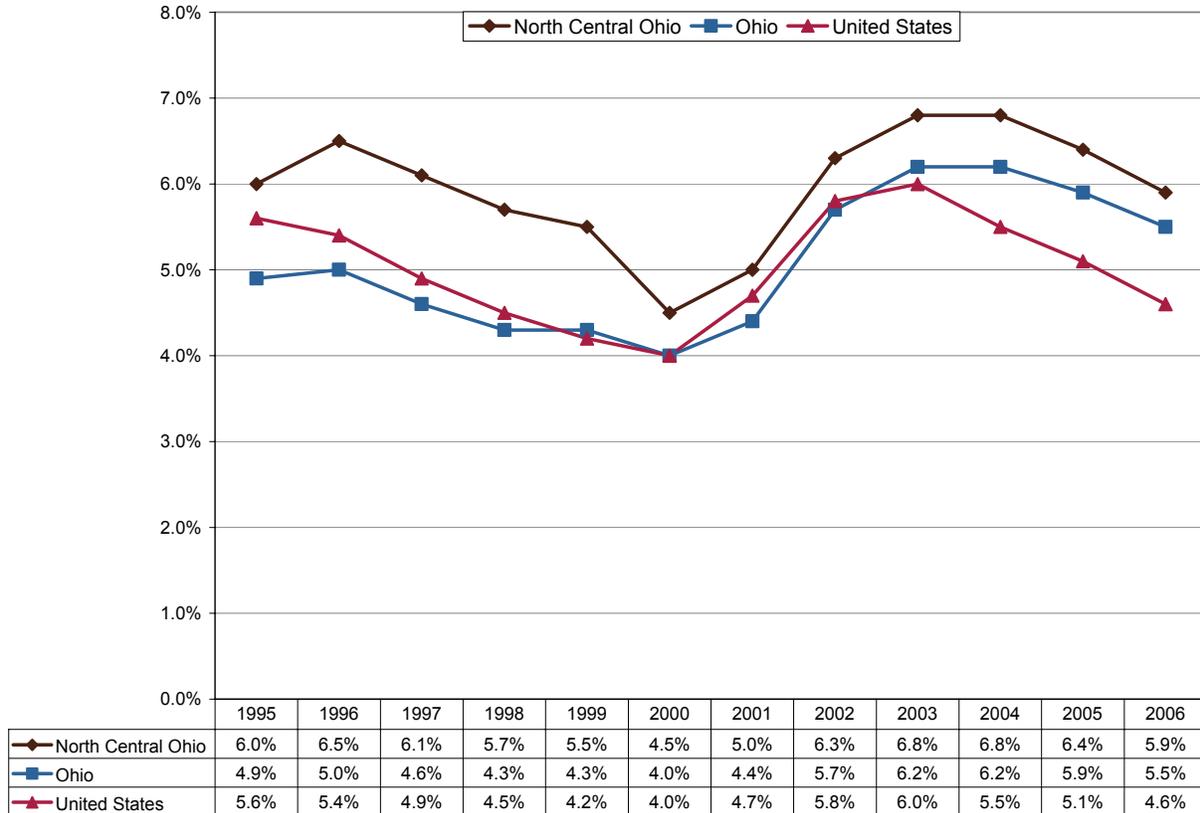
Employment Trends. In 2006, there were approximately 200,000 workers employed in nonfarm payroll industries in North Central Ohio. This region has sustained significant job losses since the 2001 recession, nearly 10,000 positions (-5.2%) from 2000 to 2006, and has not seen any real recovery. By contrast, Ohio employment has fallen 3.7 percent while U.S. employment recovered and grew 3.0 percent.

Figure 5: Nonfarm Employment Trends, 1995-2006



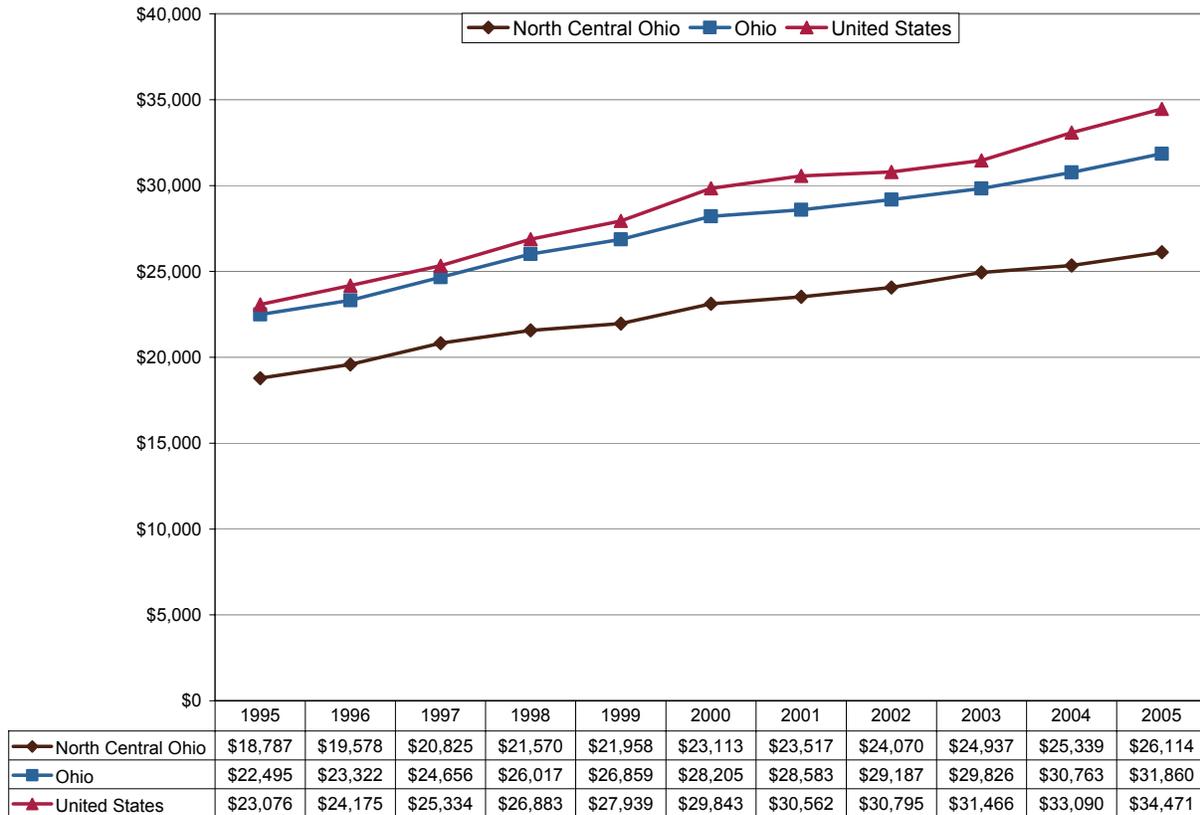
Unemployment Rate Trends. The unemployed are those in the non-institutional population 16 years or older who were not employed during the reference week but were actively seeking work, waiting to be called back to a job after a layoff, or waiting to report within 30 days to a new job. Regional unemployment in 2006 was 5.9 percent. Throughout the period of analysis, North Central Ohio has had higher unemployment rates than the rest of the state and nation. Since 2003, when the unemployment rate was at its peak, unemployment has fallen 0.9 percentage point. Ohio fell 0.7 point while the national rate dropped 1.4 percentage points.

Figure 6: Unemployment Trends, 1995-2006



Per Capita Income Trends. The EDR's per capita income in 2005 was \$26,114, lower than both the statewide and national figures for that year. Income levels in rural areas tend to be lower than in urban areas, and this region is highly rural in nature. Since 1995, regional per capita income had a 3.3 percent annual compound rate of growth, compared with 3.5 percent in Ohio and 4.1 percent in the U.S.

Figure 7: Per Capita Income, 1995-2005



Residential Construction Permit Trends. Approximately 1,700 building permits were granted in North Central Ohio in 2006, a significant drop off from the peak of a building boom in 2004. Across the country, construction activity has fallen in the last year. Average valuation has been stable in the last two years.

Figure 8: Number of New Residential Building Permits, 1995-2006

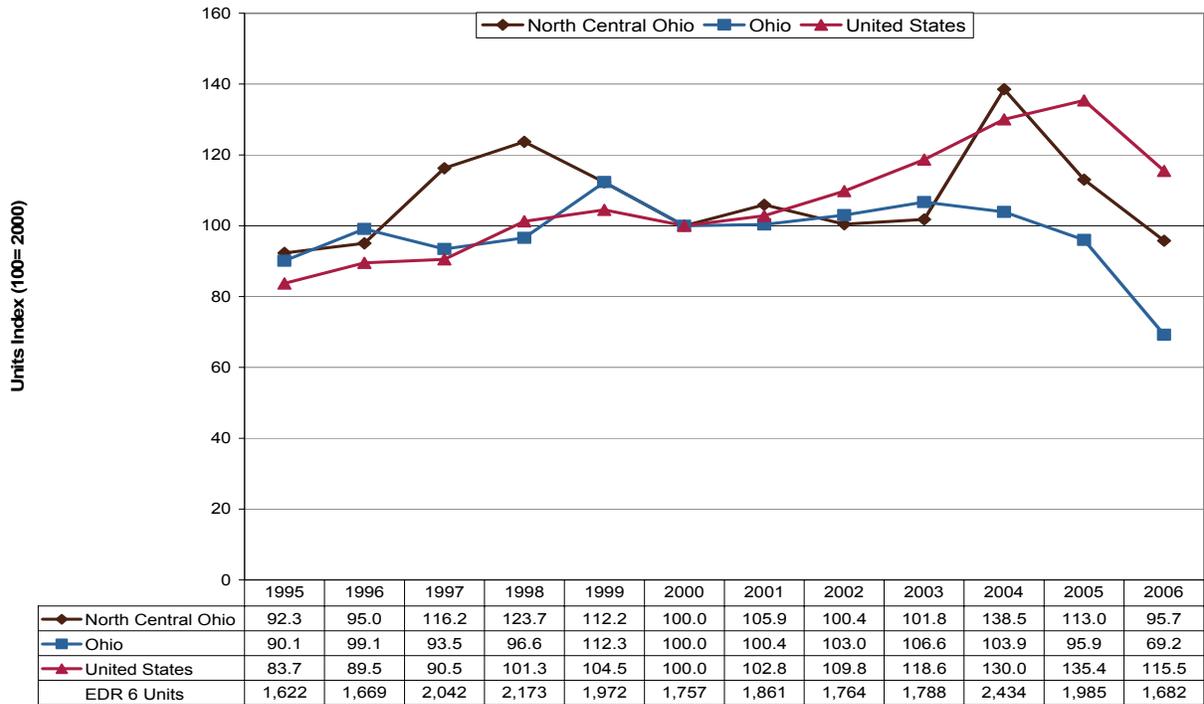
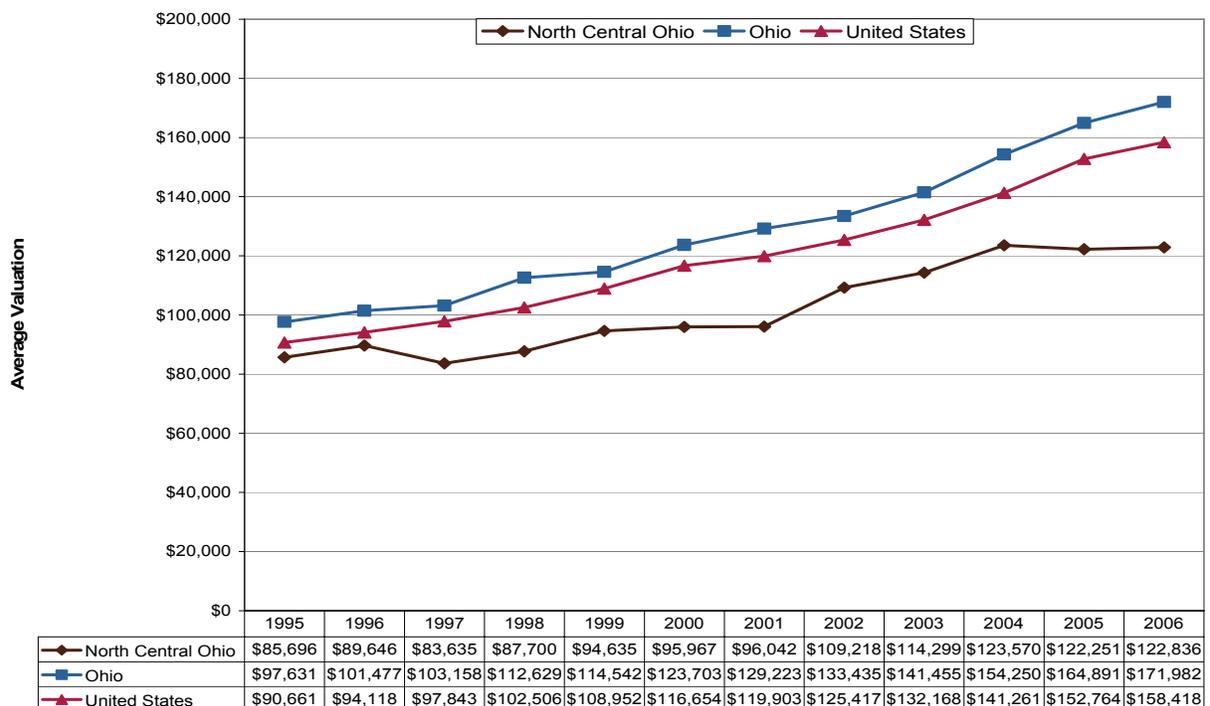


Figure 9: Valuation of New Residential Building Permits, 1995-2006



III. Employment Projections to 2014

Projections by Industry Sector. Figure 10 below shows projections from the Job Outlook to 2014 for North Central Ohio. As of 2004, approximately 32.0 percent of all employment was in goods-producing industries such as manufacturing and construction. This is much higher than the 19.9 percent statewide proportion. The remaining 68.0 percent of employment is in service-providing industries like health care and retail trade.

Between 2004 and 2014, North Central Ohio is projected to add approximately 9,700 jobs in net (4.3%), almost all of them in service industries. Education and health services, which includes hospitals, clinics and private schools, will have the most job growth during this period—about 3,900 jobs (14.7%). Other fast-growing sectors include professional and business services (14.4%); retail trade (9.2%); and accommodation and food services (6.9%). Manufacturing will have the most job losses: 4,300 (-7.9%).

Figure 10: North Central Ohio Projections to 2014 by Industry Sector

| Industry Sector | 2004 Annual Employment | 2014 Projected Employment | Change in Employment 2004-2014 | Percent Change 2004-2014 |
|---|------------------------|---------------------------|--------------------------------|--------------------------|
| Total Employment | 227,300 | 237,000 | 9,700 | 4.3% |
| Goods-Producing | 72,700 | 68,500 | -4,200 | -5.8% |
| Natural Resources and Mining | 10,000 | 9,100 | -900 | -9.0% |
| Construction | 8,400 | 9,500 | 1,100 | 13.1% |
| Manufacturing | 54,300 | 50,000 | -4,300 | -7.9% |
| Service-Providing | 140,300 | 153,900 | 13,600 | 9.7% |
| Trade, Transportation and Utilities | 32,700 | 36,200 | 3,500 | 10.7% |
| Retail Trade | 21,800 | 23,800 | 2,000 | 9.2% |
| Information | 3,400 | 3,500 | 100 | 2.9% |
| Financial Activities | 6,500 | 7,300 | 800 | 12.3% |
| Finance and Insurance | 4,900 | 5,400 | 500 | 10.2% |
| Real Estate and Rental and Leasing | 1,500 | 1,900 | 400 | 26.7% |
| Professional and Business Services | 12,500 | 14,300 | 1,800 | 14.4% |
| Education and Health Services | 26,500 | 30,400 | 3,900 | 14.7% |
| Leisure and Hospitality | 17,800 | 19,200 | 1,400 | 7.9% |
| Arts, Entertainment & Recreation | 1,800 | 2,200 | 400 | 22.2% |
| Accommodation and Food Services | 16,000 | 17,100 | 1,100 | 6.9% |
| Other Services | 9,400 | 10,400 | 1,000 | 10.6% |
| Government | 31,600 | 32,500 | 900 | 2.8% |
| Federal Government | 1,500 | 1,400 | -100 | -6.7% |
| State Government | 4,900 | 5,000 | 100 | 2.0% |
| Local Government | 25,200 | 26,100 | 900 | 3.6% |
| Self-Employed, Private Household and Unpaid Family Workers | 14,300 | 14,600 | 300 | 2.1% |

Projections by Occupational Group. Figure 11 below shows the region's employment projections arranged by major occupational group. In 2004, the largest groups in this EDR were production; office and administrative support; and sales and related occupations.

There will be approximately 6,400 job openings on average every year. Sales and related occupations and food preparation and serving related occupations will have the most openings—more than 800 per year in each sector. Healthcare occupations are projected to grow the fastest (16.4%). Some groups are expected to have more annual openings than healthcare because they have higher replacement needs. Also, production occupations, which are expected to shed 2,530 positions during this period, will have nearly 700 openings a year. In general, three out of every four openings are for replacement hires.

Figure 11: North Central Ohio Projections to 2014 by Occupational Group

| Occupational Group | 2004 Annual | 2014 Proj. | Change in Employment | | Avg. Ann. Openings |
|---|----------------|----------------|----------------------|-------------|--------------------|
| | Empl. | Empl. | 2004-2014 | Percent | |
| Total, All Occupations | 227,300 | 237,000 | 9,700 | 4.3% | 6,425 |
| Management Occupations | 15,530 | 15,300 | -230 | -1.5% | 169 |
| Business and Financial Operations Occupations | 5,620 | 6,400 | 780 | 13.9% | 181 |
| Computer and Mathematical Occupations | 1,480 | 1,650 | 170 | 11.5% | 38 |
| Architecture and Engineering Occupations | 2,420 | 2,570 | 150 | 6.2% | 72 |
| Life, Physical, and Social Science Occupations | 790 | 860 | 70 | 8.9% | 25 |
| Community and Social Services Occupations | 3,100 | 3,540 | 440 | 14.2% | 103 |
| Legal Occupations | 670 | 740 | 70 | 10.4% | 15 |
| Education, Training, and Library Occupations | 12,840 | 14,040 | 1,200 | 9.3% | 404 |
| Arts, Design, Entertainment, Sports, & Media Occ. | 2,470 | 2,770 | 300 | 12.1% | 76 |
| Healthcare Occupations, total | 16,390 | 19,070 | 2,680 | 16.4% | 553 |
| Protective Service Occupations | 5,280 | 5,340 | 60 | 1.1% | 166 |
| Food Preparation and Serving Related Occupations | 18,360 | 19,480 | 1,120 | 6.1% | 825 |
| Building & Grounds Cleaning & Maintenance Occup. | 7,770 | 8,530 | 760 | 9.8% | 231 |
| Personal Care and Service Occupations | 6,470 | 7,140 | 670 | 10.4% | 223 |
| Sales and Related Occupations | 20,460 | 21,840 | 1,380 | 6.7% | 839 |
| Office and Administrative Support Occupations | 29,110 | 29,210 | 100 | 0.3% | 701 |
| Farming, Fishing, and Forestry Occupations | 990 | 950 | -40 | -4.0% | 23 |
| Construction and Extraction Occupations | 10,650 | 11,700 | 1,050 | 9.9% | 301 |
| Installation, Maintenance, and Repair Occupations | 10,000 | 10,800 | 800 | 8.0% | 311 |
| Production Occupations | 39,170 | 36,640 | -2,530 | -6.5% | 698 |
| Transportation and Material Moving Occupations | 17,790 | 18,390 | 600 | 3.4% | 463 |

High Prospect Occupations. A high prospect occupation is one that pays at least \$12 per hour on average and is expected to have at least ten average annual openings. There are 76 such occupations identified for North Central Ohio. Figure 12 shows these high prospect occupations arranged by required education and training.

Figure 12: High Prospect Occupations in North Central Ohio

| Code | Occupational Title** | Employment | | Change in Employment | | Avg. Ann. Openings | 2006 Avg. Wage* |
|--|---|-------------|----------------|----------------------|---------|--------------------|-----------------|
| | | 2004 Annual | 2014 Projected | 2004 - 2014 | Percent | | |
| Occupations Requiring Short-Term On-the-Job Training (up to one month) | | | | | | | |
| 43-3011 | Bill and Account Collectors | 470 | 530 | 60 | 12.8% | 15 | \$13.64 |
| 43-5052 | Postal Service Mail Carriers | 660 | 620 | -40 | -6.1% | 17 | \$21.39 |
| 43-5061 | Production, Planning, and Expediting Clerks | 590 | 590 | 0 | 0.0% | 14 | \$17.00 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | 1,410 | 1,340 | -70 | -5.0% | 22 | \$13.01 |
| 51-9111 | Packaging & Filling Machine Operators/Tenders | 1,070 | 1,030 | -40 | -3.7% | 17 | \$12.47 |
| 51-9198 | Helpers--Production Workers | 1,790 | 1,750 | -40 | -2.2% | 46 | \$12.30 |
| 53-3022 | Bus Drivers, School | 640 | 690 | 50 | 7.8% | 19 | \$12.02 |
| 53-3033 | Truck Drivers, Light or Delivery Services | 1,260 | 1,440 | 180 | 14.3% | 30 | \$12.91 |
| 53-7051 | Industrial Truck and Tractor Operators | 1,990 | 1,950 | -40 | -2.0% | 34 | \$13.53 |
| Occupations Requiring Moderate-Term On-the-Job Training (one to twelve months combined experience/training) | | | | | | | |
| 33-3012 | Correctional Officers and Jailers | 1,580 | 1,510 | -70 | -4.4% | 26 | \$17.51 |
| 41-2022 | Parts Salespersons | 460 | 450 | -10 | -2.2% | 13 | \$12.61 |
| 41-4011 | Sales Rep., Wholesale & Mfg. Tech./Sci. Prod. | 270 | 300 | 30 | 11.1% | 10 | \$24.55 |
| 41-4012 | Sales Rep., Wholesale/Mfg. ex. Tech./Sci. Prod. | 1,600 | 1,710 | 110 | 6.9% | 53 | \$25.70 |
| 43-3021 | Billing & Posting Clerks & Machine Operators | 860 | 840 | -20 | -2.3% | 13 | \$12.75 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 2,320 | 2,320 | 0 | 0.0% | 43 | \$13.51 |
| 43-3051 | Payroll and Timekeeping Clerks | 370 | 400 | 30 | 8.1% | 13 | \$13.81 |
| 43-4051 | Customer Service Representatives | 1,990 | 2,300 | 310 | 15.6% | 61 | \$13.34 |
| 43-6011 | Executive Secretaries & Administrative Assistants | 1,110 | 1,160 | 50 | 4.5% | 26 | \$18.03 |
| 43-6014 | Secretaries, except Legal, Medical & Executive | 2,860 | 2,660 | -200 | -7.0% | 35 | \$12.44 |
| 47-2061 | Construction Laborers | 1,290 | 1,330 | 40 | 3.1% | 21 | \$17.25 |
| 47-2073 | Operating Engineers & Other Con. Equip. Op. | 490 | 540 | 50 | 10.2% | 18 | \$21.88 |
| 47-4051 | Highway Maintenance Workers | 1,150 | 1,250 | 100 | 8.7% | 27 | \$15.10 |
| 49-9042 | Maintenance and Repair Workers, General | 2,640 | 2,800 | 160 | 6.1% | 67 | \$16.20 |
| 51-2092 | Team Assemblers | 7,140 | 6,880 | -260 | -3.6% | 159 | \$13.57 |
| 51-4011 | Computer-Controlled Machine Tool Oper., M/P | 910 | 900 | -10 | -1.1% | 15 | \$15.48 |
| 51-4031 | Cutting/Punching/Press Machine S/O/T, M/P | 2,840 | 2,330 | -510 | -18.0% | 15 | \$14.49 |
| 51-9061 | Inspectors/Testers/Sorters/Samplers/Weighers | 1,690 | 1,500 | -190 | -11.2% | 19 | \$15.44 |
| 51-9121 | Coating/Painting/Spraying Machine Setters, O/T | 560 | 520 | -40 | -7.1% | 11 | \$14.10 |
| 53-3032 | Truck Drivers, Heavy and Tractor-Trailer | 2,450 | 2,770 | 320 | 13.1% | 72 | \$16.01 |
| Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training) | | | | | | | |
| 27-2022 | Coaches and Scouts† | 350 | 390 | 40 | 11.4% | 11 | \$31,922 |
| 33-2011 | Fire Fighters | 1,060 | 1,160 | 100 | 9.4% | 41 | \$16.44 |
| 33-3051 | Police and Sheriff's Patrol Officers | 960 | 1,000 | 40 | 4.2% | 29 | \$19.99 |
| 47-2031 | Carpenters | 2,250 | 2,570 | 320 | 14.2% | 69 | \$15.67 |
| 47-2111 | Electricians | 930 | 1,000 | 70 | 7.5% | 25 | \$20.82 |
| 47-2152 | Plumbers, Pipefitters and Steamfitters | 330 | 350 | 20 | 6.1% | 10 | \$19.83 |
| 49-9041 | Industrial Machinery Mechanics | 580 | 580 | 0 | 0.0% | 12 | \$21.16 |
| 49-9052 | Telecommunications Line Installers & Repairers | 390 | 440 | 50 | 12.8% | 16 | \$20.56 |
| 51-4041 | Machinists | 1,580 | 1,570 | -10 | -0.6% | 37 | \$17.48 |
| 51-4111 | Tool and Die Makers | 1,160 | 1,160 | 0 | 0.0% | 26 | \$22.90 |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | 1,310 | 1,300 | -10 | -0.8% | 37 | \$15.74 |
| 51-8031 | Water/Liquid Waste Treatment Plant/System Op. | 360 | 360 | 0 | 0.0% | 12 | \$18.47 |

| Code | Occupational Title** | Employment | | Change in Employment | | Avg. Ann. Openings | 2006 Avg. Wage* |
|---|--|-------------|----------------|----------------------|---------|--------------------|-----------------|
| | | 2004 Annual | 2014 Projected | 2004 - 2014 | Percent | | |
| Occupations Requiring Work Experience in a Related Occupation | | | | | | | |
| 11-9051 | Food Service Managers | 540 | 560 | 20 | 3.7% | 11 | \$22.14 |
| 13-1023 | Purchasing Agents, ex. Whole., Retail, & Farm | 420 | 430 | 10 | 2.4% | 11 | \$22.12 |
| 13-1051 | Cost Estimators | 370 | 430 | 60 | 16.2% | 14 | \$25.42 |
| 35-1012 | FL Sup/Mgrs of Food Prep. & Serving Workers | 1,230 | 1,320 | 90 | 7.3% | 38 | \$13.28 |
| 41-1011 | First-Line Superv./Mgrs of Retail Sales Workers | 2,320 | 2,390 | 70 | 3.0% | 49 | \$16.50 |
| 41-1012 | First-Line Sup./Mgrs of Non-Retail Sales Workers | 560 | 560 | 0 | 0.0% | 11 | \$29.85 |
| 43-1011 | First-Line Sup/Mgrs of Office & Admin. Support | 1,480 | 1,540 | 60 | 4.1% | 38 | \$18.99 |
| 47-1011 | First-Line Sup/Mgrs of Con. Trades/Extract. Work | 790 | 880 | 90 | 11.4% | 23 | \$26.52 |
| 49-1011 | FL Sup/Mgrs of Mechanics/Installers/Repairers | 820 | 880 | 60 | 7.3% | 27 | \$23.97 |
| 51-1011 | FL Sup/Mgrs of Production/Operating Workers | 2,300 | 2,260 | -40 | -1.7% | 44 | \$22.99 |
| 53-1021 | FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand | 350 | 370 | 20 | 5.7% | 10 | \$20.49 |
| 53-1031 | FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op | 340 | 380 | 40 | 11.8% | 12 | \$22.00 |
| Occupations Requiring Postsecondary Vocational Training | | | | | | | |
| 29-2061 | Licensed Practical & Licensed Vocat. Nurses | 1,830 | 1,870 | 40 | 2.2% | 44 | \$16.45 |
| 49-3023 | Automotive Service Technicians and Mechanics | 1,560 | 1,780 | 220 | 14.1% | 64 | \$15.64 |
| 49-3031 | Bus & Truck Mechanics & Diesel Engine Spec. | 360 | 390 | 30 | 8.3% | 12 | \$17.03 |
| Occupations Requiring an Associate Degree | | | | | | | |
| 29-1111 | Registered Nurses | 3,050 | 3,590 | 540 | 17.7% | 118 | \$25.03 |
| 29-1126 | Respiratory Therapists | 180 | 220 | 40 | 22.2% | 10 | \$20.63 |
| 29-2034 | Radiologic Technologists and Technicians | 300 | 350 | 50 | 16.7% | 11 | \$21.16 |
| Occupations Requiring a Bachelor's Degree | | | | | | | |
| 11-9021 | Construction Managers | 380 | 420 | 40 | 10.5% | 11 | \$48.38 |
| 13-2011 | Accountants and Auditors | 1,200 | 1,370 | 170 | 14.2% | 40 | \$25.06 |
| 17-2112 | Industrial Engineers | 450 | 500 | 50 | 11.1% | 16 | \$28.73 |
| 17-2141 | Mechanical Engineers | 570 | 600 | 30 | 5.3% | 19 | \$25.56 |
| 25-2021 | Elementary School Teachers, ex.Special Ed.† | 2,700 | 2,890 | 190 | 7.0% | 79 | \$42,740 |
| 25-2022 | Middle School Teachers, ex. Special & Voc. Ed.† | 1,180 | 1,200 | 20 | 1.7% | 28 | \$45,239 |
| 25-2031 | Secondary Sch. Teachers, ex. Spec. & Voc. Ed.† | 2,440 | 2,550 | 110 | 4.5% | 80 | \$44,567 |
| 25-2041 | Special Ed. Teachers, Pre./Kinder./Elem. Sch.† | 410 | 480 | 70 | 17.1% | 17 | \$44,398 |
| 25-2043 | Special Education Teachers, Secondary School† | 380 | 420 | 40 | 10.5% | 13 | \$44,659 |
| 41-3021 | Insurance Sales Agents | 510 | 530 | 20 | 3.9% | 14 | \$23.34 |
| Occupations Requiring Work Experience plus a Bachelor's Degree | | | | | | | |
| 11-9032 | Education Admin., Elem. & Secondary School† | 570 | 590 | 20 | 3.5% | 16 | \$67,407 |
| 11-9111 | Medical and Health Services Managers | 350 | 390 | 40 | 11.4% | 11 | \$30.80 |
| 11-1011 | Chief Executives | 620 | 650 | 30 | 4.8% | 15 | \$62.77 |
| 11-1021 | General and Operations Managers | 2,090 | 2,310 | 220 | 10.5% | 62 | \$39.80 |
| 25-2032 | Vocational Education Teachers, Secondary Sch.† | 370 | 380 | 10 | 2.7% | 11 | \$51,837 |
| Occupations Requiring a First Professional Degree | | | | | | | |
| 23-1011 | Lawyers | 410 | 460 | 50 | 12.2% | 10 | \$48.49 |
| 29-1051 | Pharmacists | 310 | 360 | 50 | 16.1% | 11 | \$42.20 |

*May 2005 wages aged to April 2006.

**Abbreviations

FL Sup/Mgrs = First-Line Supervisors/Managers

M/P = Metal and Plastic

O/T = Operators and Tenders

S/O/T = Setters, Operators and Tenders

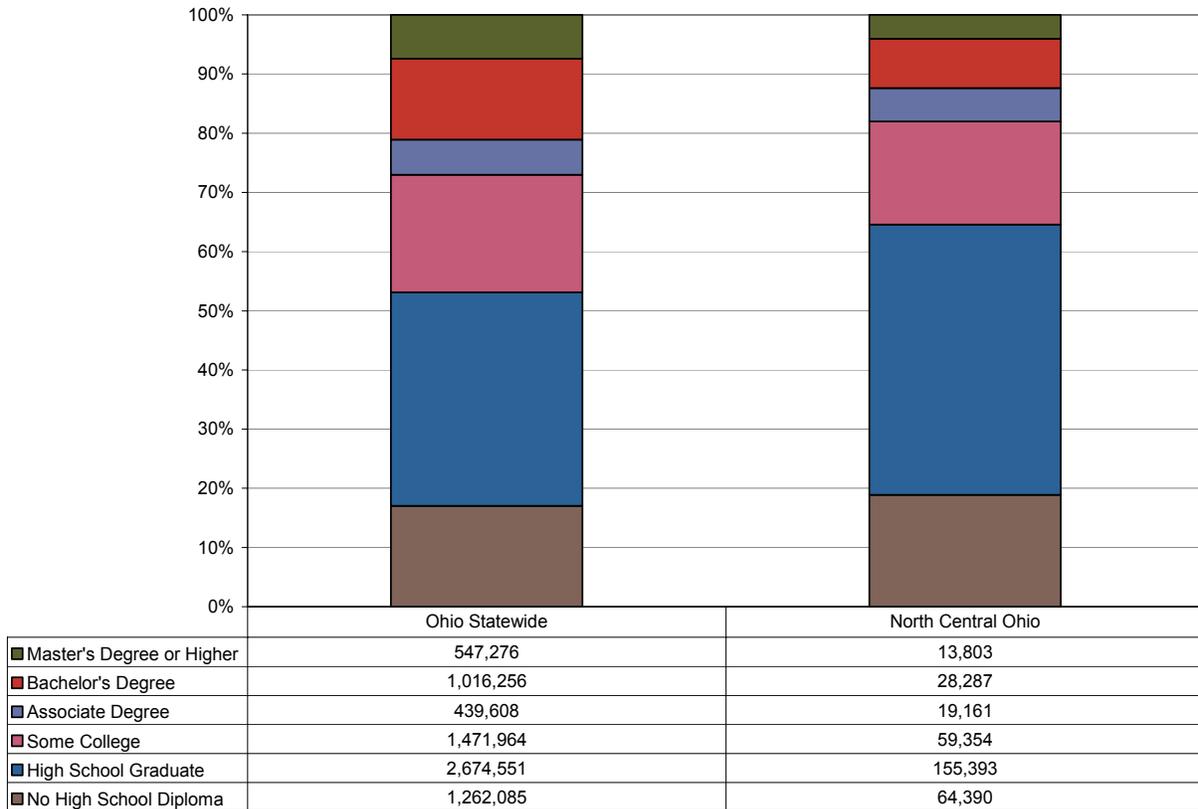
†Annual earnings, typically for a 9½ month school year

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, 2007a.

IV. Education & Training

Educational Attainment. Figure 13 below shows educational attainment among adults 25 or older in this region and Ohio. In general, this region has a lower level of overall educational attainment than the rest of the state. Only 18.0 percent of adults have any postsecondary degree in North Central Ohio, compared with 27.0 percent statewide. This EDR also has a slightly higher proportion of adults without a high school diploma.

Figure 13: Educational Attainment, 2000



Institutions and Degree Completions. There are 15 postsecondary training providers in North Central Ohio offering over 700 different programs: 5 public adult schools offering vocational programs; 3 two-year technical and community colleges; and 7 four-year colleges and universities. From 2005 to 2006, the number of awards granted by these institutions has increased by over 550 (10.5%). For comparison, completions in Ohio increased only 3.7 percent. The strongest growth was in bachelor's degrees. Details on educational institutions and program completers are available in Appendices E and F, respectively.

Figure 14: Degree Completions in North Central Ohio

| Award Type | 2005 | 2006 | Net Growth |
|----------------------------|--------------|--------------|------------|
| Postsec. Awards; < 2 yrs. | 874 | 1,065 | 191 |
| Associate's Degrees | 829 | 916 | 87 |
| Bachelor's Degrees | 2,139 | 2,414 | 275 |
| Master's Degrees | 1,350 | 1,324 | -26 |
| Doctor's Degrees | 35 | 25 | -10 |
| First-Professional Degrees | 38 | 43 | 5 |
| All Other Awards | | 29 | 29 |
| Totals | 5,265 | 5,816 | 551 |

Skills-Based Projections. The Bureau of Labor Market Information recently analyzed occupational projections to determine the workplace skills that will be in demand in 2014. There are 35 skills that have been identified as potentially related to a job by the Occupational Information Network (O*NET) system. Skills are learned capabilities that allow workers to master and perform the specific activities of their jobs. On average, each occupation has about five skills associated with it. For additional details on how the skills-based projections analysis was conducted, please refer to the Technical Notes at the end of this report.

Figure 15 on the next page ranks all 35 skills by the projected need for training and gives several importance measures for both North Central Ohio and the entire state. The first, supply rank, ranks the skills based on how many jobs today require each. Percent demand gives the proportion of average annual openings through 2014 that will require a skill, with higher percentages indicating stronger demand. The gap index is the difference between the available supply of a workplace skill and its projected demand, standardized to a range of 0 to 100. A higher gap index indicates stronger need for training. Finally, the replacement index gives the proportion of projected annual openings requiring a given skill that will arise to replace exiting workers (e.g. through dismissals, retirements, etc.) rather than to fill a new position. Demand for skills with higher replacement indices may be tempered with poor employment growth.

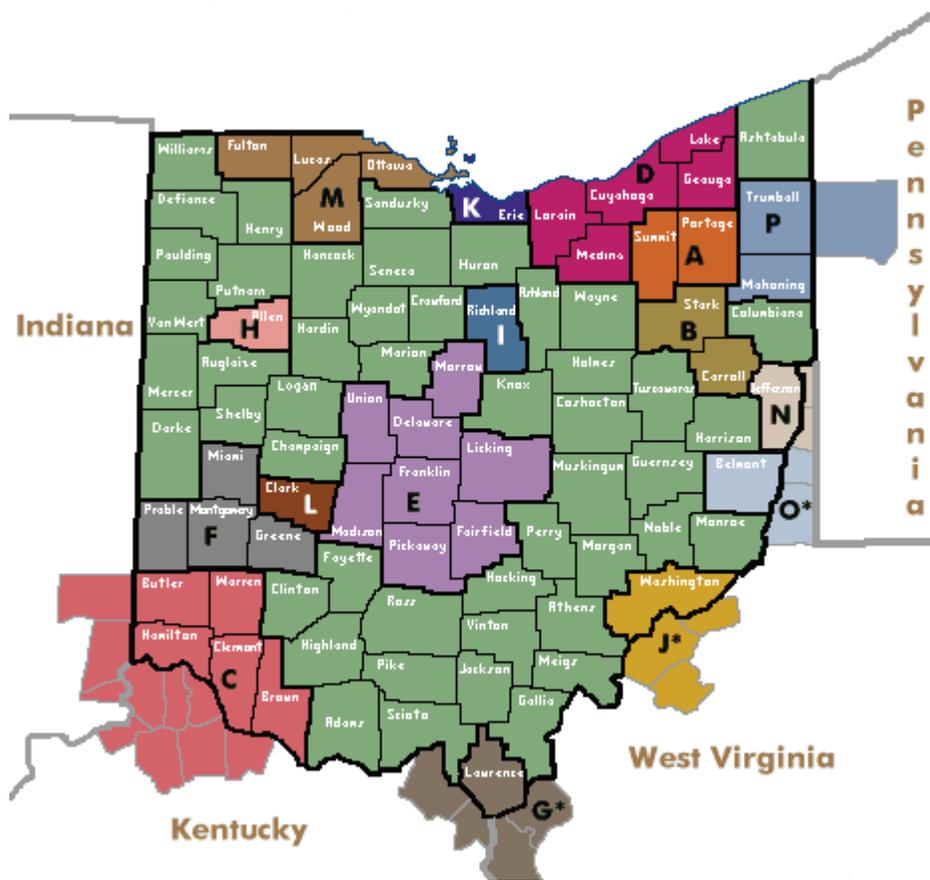
As is common to much of the state, reading comprehension will be the most important workplace skill in this region through 2014. About 46.2 percent of all openings will require proficiency in this skill, and it also has the largest gap between projected demand and available supply. Other important skills include critical thinking, active listening, and speaking.

Many of the more highly-ranked workplace skills in this region have lower projected demand levels for this EDR than statewide. Four skills, however, stand out for having higher projected demands: equipment maintenance, equipment selection, operation monitoring and operation and control—all production-related skills.

Figure 15: Projected Skills Needs for 2014

| Skill | North Central Ohio | | | | Ohio | |
|-----------------------------------|--------------------|----------------|-----------|-------------|----------------|-----------|
| | Supply Rank | Percent Demand | Gap Index | Repl. Index | Percent Demand | Gap Index |
| Reading Comprehension | 1 | 46.2% | 100 | 71 | 48.3% | 100 |
| Critical Thinking | 3 | 40.6% | 97 | 71 | 41.9% | 94 |
| Active Listening | 2 | 43.7% | 94 | 72 | 46.6% | 97 |
| Speaking | 6 | 35.5% | 91 | 69 | 38.4% | 91 |
| Coordination | 4 | 36.3% | 89 | 70 | 36.8% | 89 |
| Active Learning | 7 | 36.3% | 86 | 70 | 37.4% | 86 |
| Monitoring | 8 | 32.7% | 83 | 71 | 34.3% | 83 |
| Writing | 9 | 30.3% | 80 | 70 | 33.6% | 80 |
| Service Orientation | 13 | 23.8% | 77 | 66 | 25.4% | 66 |
| Social Perceptiveness | 12 | 27.5% | 74 | 70 | 28.6% | 69 |
| Time Management | 10 | 28.5% | 71 | 71 | 31.6% | 74 |
| Instructing | 5 | 35.3% | 69 | 73 | 34.1% | 77 |
| Learning Strategies | 11 | 30.2% | 66 | 71 | 31.3% | 71 |
| Judgment and Decision Making | 16 | 20.8% | 63 | 71 | 23.6% | 63 |
| Persuasion | 14 | 21.0% | 60 | 71 | 22.2% | 60 |
| Complex Problem Identification | 17 | 19.3% | 57 | 73 | 21.3% | 57 |
| Mathematics | 18 | 17.4% | 54 | 70 | 18.9% | 54 |
| Negotiation | 23 | 10.9% | 51 | 72 | 12.0% | 49 |
| Management of Personnel Resources | 21 | 10.0% | 49 | 74 | 10.1% | 46 |
| Equipment Maintenance | 20 | 12.0% | 46 | 76 | 9.3% | 34 |
| Equipment Selection | 15 | 18.0% | 43 | 77 | 16.0% | 51 |
| Repairing | 26 | 8.0% | 40 | 72 | 5.9% | 20 |
| Management of Financial Resources | 28 | 5.7% | 37 | 72 | 6.6% | 37 |
| Installation | 27 | 7.6% | 34 | 76 | 7.6% | 40 |
| Troubleshooting | 19 | 12.1% | 31 | 80 | 11.0% | 43 |
| Operations Analysis | 30 | 3.5% | 29 | 73 | 5.2% | 31 |
| Science | 32 | 2.8% | 26 | 72 | 3.9% | 23 |
| Management of Material Resources | 29 | 3.3% | 23 | 76 | 3.5% | 14 |
| Systems Evaluation | 31 | 2.9% | 20 | 75 | 4.3% | 29 |
| Systems Analysis | 33 | 1.6% | 17 | 66 | 3.2% | 26 |
| Technology Design | 34 | 1.4% | 14 | 66 | 2.9% | 17 |
| Programming | 35 | 0.2% | 11 | 69 | 1.0% | 9 |
| Operation Monitoring | 22 | 10.1% | 9 | 87 | 6.8% | 3 |
| Operation and Control | 25 | 7.2% | 6 | 90 | 5.4% | 6 |
| Quality Control | 24 | 6.9% | 3 | 91 | 6.0% | 11 |

Appendix B: Ohio's Metropolitan Statistical Areas



- A. **Akron MSA:** Portage and Summit Counties.
- B. **Canton-Massillon MSA:** Carroll and Stark Counties.
- C. **Cincinnati-Midletown MSA:** Brown, Butler, Clermont, Hamilton and Warren Counties in Ohio; Dearborn, Franklin and Ohio Counties in Indiana; and Boone, Bracken, Campbell, Gallatin, Grant, Kenton and Pendleton Counties in Kentucky.
- D. **Cleveland-Elyria-Mentor MSA:** Cuyahoga, Geauga, Lake, Lorain and Medina Counties.
- E. **Columbus MSA:** Delaware, Fairfield, Franklin, Licking, Madison, Morrow, Pickaway and Union Counties
- F. **Dayton MSA:** Greene, Miami, Montgomery and Preble Counties
- G. **Huntington-Ashland MSA*:** Cabell and Wayne Counties in West Virginia; Boyd and Greenup Counties in Kentucky; and Lawrence County in Ohio.
- H. **Lima MSA:** Allen County.
- I. **Mansfield MSA:** Richland County.
- J. **Parkersburg-Marietta-Vienna MSA*:** Pleasants, Wirt and Wood Counties in West Virginia and Washington County in Ohio.
- K. **Sandusky MSA:** Erie County.
- L. **Springfield MSA:** Clark County.
- M. **Toledo MSA:** Fulton, Lucas, Ottawa and Wood Counties.
- N. **Weirton-Steubenville MSA:** Jefferson County in Ohio and Brooke and Hancock Counties in West Virginia.
- O. **Wheeling MSA*:** Marshall and Ohio Counties in West Virginia and Belmont County in Ohio.
- P. **Youngstown-Warren-Boardman MSA:** Mahoning and Trumbull Counties in Ohio and Mercer County in Pennsylvania.

*Statistical Areas in other states that include Ohio counties

Appendix C: Detailed County-to-County Commuting Patterns

| Ashland | | | Percent of workers that work outside the county - | | | 32.2% | | | | | |
|---|--|--|---|---------|-----------------|--|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.3 | | | | | |
| Number of workers 16+ years of age living in Ashland County | | | 24,737 | | | Number of workers 16+ years of age working in Ashland County | | | 21,760 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Richland Co. OH | | | 2,673 | 10.8% | Richland Co. OH | | | 2,467 | 11.3% | | |
| Wayne Co. OH | | | 1,712 | 6.9% | Wayne Co. OH | | | 565 | 2.6% | | |
| Medina Co. OH | | | 720 | 2.9% | Holmes Co. OH | | | 352 | 1.6% | | |
| Lorain Co. OH | | | 648 | 2.6% | Medina Co. OH | | | 307 | 1.4% | | |
| Cuyahoga Co. OH | | | 448 | 1.8% | Knox Co. OH | | | 271 | 1.2% | | |
| Holmes Co. OH | | | 437 | 1.8% | Huron Co. OH | | | 264 | 1.2% | | |
| Huron Co. OH | | | 388 | 1.6% | Crawford Co. OH | | | 110 | 0.5% | | |
| Summit Co. OH | | | 153 | 0.6% | Lorain Co. OH | | | 91 | 0.4% | | |
| Crawford Co. OH | | | 130 | 0.5% | Lawrence Co. OH | | | 58 | 0.3% | | |
| Franklin Co. OH | | | 108 | 0.4% | Summit Co. OH | | | 46 | 0.2% | | |

| Crawford | | | Percent of workers that work outside the county - | | | 34.4% | | | | | |
|--|--|--|---|---------|-----------------|---|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.0 | | | | | |
| Number of workers 16+ years of age living in Crawford County | | | 21,442 | | | Number of workers 16+ years of age working in Crawford County | | | 18,335 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Richland Co. OH | | | 3,790 | 17.7% | Richland Co. OH | | | 1,584 | 8.6% | | |
| Marion Co. OH | | | 1,060 | 4.9% | Morrow Co. OH | | | 882 | 4.8% | | |
| Wyandot Co. OH | | | 519 | 2.4% | Marion Co. OH | | | 513 | 2.8% | | |
| Huron Co. OH | | | 400 | 1.9% | Wyandot Co. OH | | | 365 | 2.0% | | |
| Seneca Co. OH | | | 323 | 1.5% | Seneca Co. OH | | | 284 | 1.5% | | |
| Morrow Co. OH | | | 301 | 1.4% | Huron Co. OH | | | 141 | 0.8% | | |
| Franklin Co. OH | | | 292 | 1.4% | Ashland Co. OH | | | 130 | 0.7% | | |
| Delaware Co. OH | | | 117 | 0.5% | Delaware Co. OH | | | 51 | 0.3% | | |
| Ashland Co. OH | | | 110 | 0.5% | Wayne Co. OH | | | 50 | 0.3% | | |
| Hancock Co. OH | | | 39 | 0.2% | Lorain Co. OH | | | 33 | 0.2% | | |

| Huron | | | Percent of workers that work outside the county - | | | 33.6% | | | | | |
|---|--|--|---|---------|-----------------|--|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.2 | | | | | |
| Number of workers 16+ years of age living in Huron County | | | 27,571 | | | Number of workers 16+ years of age working in Huron County | | | 26,012 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Erie Co. OH | | | 4,048 | 14.7% | Erie Co. OH | | | 2,358 | 9.1% | | |
| Lorain Co. OH | | | 1,501 | 5.4% | Sandusky Co. OH | | | 1,305 | 5.0% | | |
| Sandusky Co. OH | | | 1,025 | 3.7% | Richland Co. OH | | | 1,244 | 4.8% | | |
| Richland Co. OH | | | 900 | 3.3% | Seneca Co. OH | | | 954 | 3.7% | | |
| Cuyahoga Co. OH | | | 399 | 1.4% | Lorain Co. OH | | | 421 | 1.6% | | |
| Seneca Co. OH | | | 282 | 1.0% | Crawford Co. OH | | | 400 | 1.5% | | |
| Ashland Co. OH | | | 264 | 1.0% | Ashland Co. OH | | | 388 | 1.5% | | |
| Crawford Co. OH | | | 141 | 0.5% | Ottawa Co. OH | | | 151 | 0.6% | | |
| Ottawa Co. OH | | | 111 | 0.4% | Delaware Co. OH | | | 45 | 0.2% | | |
| Medina Co. OH | | | 102 | 0.4% | Wood Co. OH | | | 43 | 0.2% | | |

| Knox | | | Percent of workers that work outside the county - | | | 29.5% | | |
|--|-------|-------|---|---------|-----------------|--------|--------|---------|
| | | | Average commute time in minutes - | | | 25.8 | | |
| Number of workers 16+ years of age living in Knox County | | | | | | 25,064 | | |
| | | | | | | 20,823 | | |
| Commute Out To | | | Number | Percent | Commute In From | | Number | Percent |
| Franklin Co. OH | 3,014 | 12.0% | Licking Co. OH | 744 | 3.6% | | | |
| Licking Co. OH | 1,304 | 5.2% | Richland Co. OH | 550 | 2.6% | | | |
| Richland Co. OH | 865 | 3.5% | Morrow Co. OH | 426 | 2.0% | | | |
| Delaware Co. OH | 831 | 3.3% | Franklin Co. OH | 404 | 1.9% | | | |
| Ashland Co. OH | 271 | 1.1% | Delaware Co. OH | 218 | 1.0% | | | |
| Morrow Co. OH | 220 | 0.9% | Coshocton Co. OH | 100 | 0.5% | | | |
| Holmes Co. OH | 106 | 0.4% | Ashland Co. OH | 83 | 0.4% | | | |
| Cuyahoga Co. OH | 89 | 0.4% | Holmes Co. OH | 70 | 0.3% | | | |
| Wayne Co. OH | 74 | 0.3% | Wayne Co. OH | 60 | 0.3% | | | |
| Coshocton Co. OH | 71 | 0.3% | Muskingum Co. OH | 59 | 0.3% | | | |

| Marion | | | Percent of workers that work outside the county - | | | 22.1% | | |
|--|-------|------|---|---------|-----------------|--------|--------|---------|
| | | | Average commute time in minutes - | | | 21.5 | | |
| Number of workers 16+ years of age living in Marion County | | | | | | 29,138 | | |
| | | | | | | 29,138 | | |
| Commute Out To | | | Number | Percent | Commute In From | | Number | Percent |
| Delaware Co. OH | 1,609 | 5.5% | Morrow Co. OH | 1,565 | 5.4% | | | |
| Franklin Co. OH | 1,371 | 4.7% | Crawford Co. OH | 1,060 | 3.6% | | | |
| Union Co. OH | 1,041 | 3.6% | Delaware Co. OH | 839 | 2.9% | | | |
| Morrow Co. OH | 585 | 2.0% | Wyandot Co. OH | 729 | 2.5% | | | |
| Crawford Co. OH | 513 | 1.8% | Franklin Co. OH | 590 | 2.0% | | | |
| Wyandot Co. OH | 305 | 1.0% | Union Co. OH | 508 | 1.7% | | | |
| Logan Co. OH | 251 | 0.9% | Richland Co. OH | 312 | 1.1% | | | |
| Hardin Co. OH | 156 | 0.5% | Hardin Co. OH | 178 | 0.6% | | | |
| Richland Co. OH | 153 | 0.5% | Montgomery Co. OH | 47 | 0.2% | | | |
| Seneca Co. OH | 46 | 0.2% | Seneca Co. OH | 41 | 0.1% | | | |

| Morrow | | | Percent of workers that work outside the county - | | | 67.0% | | |
|--|-------|-------|---|---------|-----------------|--------|--------|---------|
| | | | Average commute time in minutes - | | | 30.4 | | |
| Number of workers 16+ years of age living in Morrow County | | | | | | 15,083 | | |
| | | | | | | 6,803 | | |
| Commute Out To | | | Number | Percent | Commute In From | | Number | Percent |
| Franklin Co. OH | 3,108 | 20.6% | Marion Co. OH | 585 | 8.6% | | | |
| Delaware Co. OH | 1,983 | 13.1% | Crawford Co. OH | 301 | 4.4% | | | |
| Marion Co. OH | 1,565 | 10.4% | Richland Co. OH | 293 | 4.3% | | | |
| Richland Co. OH | 1,519 | 10.1% | Knox Co. OH | 220 | 3.2% | | | |
| Crawford Co. OH | 882 | 5.8% | Delaware Co. OH | 172 | 2.5% | | | |
| Knox Co. OH | 426 | 2.8% | Franklin Co. OH | 110 | 1.6% | | | |
| Union Co. OH | 131 | 0.9% | Ashland Co. OH | 32 | 0.5% | | | |
| Licking Co. OH | 82 | 0.5% | Logan Co. OH | 25 | 0.4% | | | |
| Ashland Co. OH | 45 | 0.3% | Licking Co. OH | 22 | 0.3% | | | |
| Huron Co. OH | 34 | 0.2% | Hardin Co. OH | 15 | 0.2% | | | |

| Richland | | | Percent of workers that work outside the county - | | | 16.4% | | | | | |
|--|-------|------|---|---------|-----------------|---|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.2 | | | | | |
| Number of workers 16+ years of age living in Richland County | | | 57,131 | | | Number of workers 16+ years of age working in Richland County | | | 59,733 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Ashland Co. OH | 2,467 | 4.3% | Crawford Co. OH | 3,790 | 6.3% | | | | | | |
| Crawford Co. OH | 1,584 | 2.8% | Ashland Co. OH | 2,673 | 4.5% | | | | | | |
| Huron Co. OH | 1,244 | 2.2% | Morrow Co. OH | 1,519 | 2.5% | | | | | | |
| Franklin Co. OH | 890 | 1.6% | Huron Co. OH | 900 | 1.5% | | | | | | |
| Knox Co. OH | 550 | 1.0% | Knox Co. OH | 865 | 1.4% | | | | | | |
| Wayne Co. OH | 443 | 0.8% | Wayne Co. OH | 297 | 0.5% | | | | | | |
| Marion Co. OH | 312 | 0.5% | Franklin Co. OH | 180 | 0.3% | | | | | | |
| Morrow Co. OH | 293 | 0.5% | Marion Co. OH | 153 | 0.3% | | | | | | |
| Cuyahoga Co. OH | 208 | 0.4% | Medina Co. OH | 148 | 0.2% | | | | | | |
| Delaware Co. OH | 129 | 0.2% | Lucas Co. OH | 127 | 0.2% | | | | | | |

| Seneca | | | Percent of workers that work outside the county - | | | 37.2% | | | | | |
|--|-------|-------|---|---------|-----------------|---|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.5 | | | | | |
| Number of workers 16+ years of age living in Seneca County | | | 28,274 | | | Number of workers 16+ years of age working in Seneca County | | | 23,261 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Hancock Co. OH | 3,118 | 11.0% | Hancock Co. OH | 1,296 | 5.6% | | | | | | |
| Sandusky Co. OH | 2,735 | 9.7% | Sandusky Co. OH | 1,217 | 5.2% | | | | | | |
| Wood Co. OH | 1,019 | 3.6% | Wood Co. OH | 889 | 3.8% | | | | | | |
| Huron Co. OH | 954 | 3.4% | Wyandot Co. OH | 675 | 2.9% | | | | | | |
| Wyandot Co. OH | 781 | 2.8% | Crawford Co. OH | 323 | 1.4% | | | | | | |
| Lucas Co. OH | 480 | 1.7% | Huron Co. OH | 282 | 1.2% | | | | | | |
| Erie Co. OH | 317 | 1.1% | Lucas Co. OH | 138 | 0.6% | | | | | | |
| Crawford Co. OH | 284 | 1.0% | Erie Co. OH | 89 | 0.4% | | | | | | |
| Ottawa Co. OH | 177 | 0.6% | Ottawa Co. OH | 81 | 0.3% | | | | | | |
| Allen Co. OH | 68 | 0.2% | Franklin Co. OH | 48 | 0.2% | | | | | | |

| Wyandot | | | Percent of workers that work outside the county - | | | 33.6% | | | | | |
|---|-------|------|---|---------|-----------------|--|--|--------|---------|--|--|
| | | | Average commute time in minutes - | | | 20.0 | | | | | |
| Number of workers 16+ years of age living in Wyandot County | | | 11,317 | | | Number of workers 16+ years of age working in Wyandot County | | | 10,338 | | |
| Commute Out To | | | Number | Percent | Commute In From | | | Number | Percent | | |
| Hancock Co. OH | 1,107 | 9.8% | Seneca Co. OH | 781 | 7.6% | | | | | | |
| Marion Co. OH | 729 | 6.4% | Crawford Co. OH | 519 | 5.0% | | | | | | |
| Seneca Co. OH | 675 | 6.0% | Hancock Co. OH | 491 | 4.7% | | | | | | |
| Crawford Co. OH | 365 | 3.2% | Hardin Co. OH | 460 | 4.4% | | | | | | |
| Hardin Co. OH | 288 | 2.5% | Marion Co. OH | 305 | 3.0% | | | | | | |
| Franklin Co. OH | 96 | 0.8% | Wood Co. OH | 41 | 0.4% | | | | | | |
| Wood Co. OH | 72 | 0.6% | Allen Co. OH | 37 | 0.4% | | | | | | |
| Lucas Co. OH | 60 | 0.5% | Sandusky Co. OH | 29 | 0.3% | | | | | | |
| Allen Co. OH | 59 | 0.5% | Van Wert Co. OH | 20 | 0.2% | | | | | | |
| Sandusky Co. OH | 45 | 0.4% | Delaware Co. OH | 16 | 0.2% | | | | | | |

Source: U.S. Census Bureau, 2004.

Appendix D: Major Employers by County

| Ashland | |
|--------------------------------------|--------------------|
| Ashland City Board of Education | Government |
| Ashland University | Education |
| Mansfield Plumbing Products LLC | Manufacturing |
| McGraw-Hill Companies | Wholesale |
| Pentair Pump Group, Inc. | Manufacturing |
| Samaritan Regional Health System | Health Care |
| State of Ohio | Government |
| Step2 Co. | Manufacturing |
| Wil Research Laboratories LLC | Research |
| Crawford | |
| Brunswick Corp./Baja Marine Corp. | Manufacturing |
| Crawford County Government | Government |
| Galion City Board of Education | Government |
| Galion Community Hospital | Health Care |
| General Electric Co. | Manufacturing |
| Imasen Bucyrus Technology, Inc. | Manufacturing |
| PECO II, Inc. | Manufacturing |
| PPG Industries, Inc. | Manufacturing |
| Timken Co. | Manufacturing |
| Huron | |
| Berry Plastics Group | Manufacturing |
| Campbell Soup Co./Pepperidge Farm | Manufacturing |
| Commercial Vehicle Group/Mayflower | Manufacturing |
| Fisher-Titus Medical Center | Health Care |
| Huron County Government | Government |
| MTD Products/Midwest Industries | Manufacturing |
| Norwalk City Board of Education | Government |
| Norwalk Furniture Corp. | Manufacturing |
| R.R. Donnelley & Sons Co. | Manufacturing |
| Knox | |
| Ariel, Ltd. | Manufacturing |
| JELD-WEN, Inc. | Manufacturing |
| Kenyon College | Education |
| Knox Community Hospital | Health Care |
| Kokosing Construction Co. | Construction |
| Mount Vernon Nazarene University | Education |
| Mount Vernon City Board of Education | Government |
| Rolls-Royce plc | Manufacturing |
| State of Ohio | Government |
| TRW Automotive Holdings | Manufacturing |
| Marion | |
| Andersen Corp./Silver Line | Manufacturing |
| Marion City Board of Education | Government |
| Marion County Government | Government |
| Marion General Hospital, Inc. | Health Care |
| Meijer, Inc. | Retail |
| Nucor Corp. | Manufacturing |
| Smith Clinic | Health Care |
| State of Ohio | Government |
| Verizon Communications, Inc. | Telecommunications |
| Whirlpool Corp. | Manufacturing |
| Wyandot, Inc. | Manufacturing |

| Morrow | |
|---|---------------|
| Berkshire Hathaway/Scott Fetzer/Stahl | Manufacturing |
| Cardington-Lincoln Local Board of Education | Government |
| Core Systems LLC | Manufacturing |
| Highland Local Board of Education | Government |
| Kroger Co. | Retail |
| Morrow County Hospital | Health Care |
| Mount Gillead Exempted Village Board of Education | Government |
| Northmor Local Board of Education | Government |
| Taylor's Industrial Services/HPM | Manufacturing |
| Yutaka Giken/Cardington Yutaka Corp. | Manufacturing |
| Richland | |
| AK Steel Holding Corp. | Manufacturing |
| ArcelorMittal/Dofasco Tubular | Manufacturing |
| Embarq Corp. | Utilities |
| Emerson Electric Co./Therm-O-Disc | Manufacturing |
| General Motors Corp. | Manufacturing |
| Gorman-Rupp Co. | Manufacturing |
| Mansfield City Board of Education | Government |
| MedCentral Health System | Health Care |
| Sankei Giken/Newman Technology | Manufacturing |
| State of Ohio | Government |
| Stoneridge, Inc. | Manufacturing |
| Seneca | |
| American Standard, Inc. | Manufacturing |
| Dorel Industries/Ameriwood Industries | Manufacturing |
| Fostoria City Board of Education | Government |
| Heidelberg College | Education |
| Mercy Hospital of Tiffin | Health Care |
| National Machinery LLC | Manufacturing |
| State of Ohio | Government |
| ThyssenKrupp/TKA Atlas, Inc. | Manufacturing |
| Tiffin City Board of Education | Government |
| Tiffin University | Education |
| Wyandot | |
| Bridgestone APM Co. | Manufacturing |
| DuPont Liquid Packaging | Manufacturing |
| Guardian Industries Corp. | Manufacturing |
| Kalmbach Feeds | Manufacturing |
| Kasai Kogyo/M-Tek, Inc. | Manufacturing |
| Wanxiang/Coupled Products | Manufacturing |
| Wyandot Memorial Hospital | Health Care |

Source: Ohio Department of Development, 2007.
Employers are listed in alphabetical order.

Appendix E: Postsecondary Institutions

| Name | Type | Address | Telephone | URL |
|---|-----------------|--|----------------|--|
| Ashland County-West Holmes Career Center | Pub. Adult Sch. | 1783 State Route 60, Ashland, OH 44805 | (419) 289-3313 | www.acwhcc.org |
| Ashland University | Four-Year | 401 College Ave, Ashland, OH 44805 | (419) 289-4142 | www.ashland.edu |
| Heidelberg College | Four-Year | 310 E Market St, Tiffin, OH 44883 | (419) 448-2000 | www.heidelberg.edu |
| Kenyon College | Four-Year | Gambier, OH 43022 | (740) 427-5000 | www.kenyon.edu/ |
| Knox County Career Center | Pub. Adult Sch. | 306 Martinsburg Rd, Mount Vernon, OH 43050 | (740) 393-2933 | www.kccc.k12.oh.us |
| Madison Local Schools-Madison Adult Education | Pub. Adult Sch. | 600 Esley Ln, Mansfield, OH 44905 | (419) 589-6363 | www.madison-richland.k12.oh.us/adulted |
| Marion Technical College | Two-Year | 1467 Mount Vernon Ave, Marion, OH 43302 | (740) 389-4636 | www.mtc.edu |
| MedCentral College of Nursing | Four-Year | 335 Glessner Ave, Mansfield, OH 44903 | (419) 520-2600 | www.medcentral.edu |
| Mount Vernon Nazarene University | Four-Year | 800 Martinsburg Rd, Mount Vernon, OH 43050 | (740) 392-6868 | www.mvnu.edu |
| North Central State College | Two-Year | 2441 Kenwood Circle, Mansfield, OH 44901 | (419) 755-4800 | www.ncstatecollege.edu |
| Ohio State University-Mansfield Campus | Four-Year | 1680 University Dr 103 Ovalwood, Mansfield, OH 44906 | (419) 755-4011 | www.mansfield.ohio-state.edu |
| Ohio State University-Marion Campus | Four-Year | 1465 Mount Vernon Ave, Marion, OH 43302 | (740) 389-6786 | www.marion.ohio-state.edu |
| Pioneer Career and Technology Center | Pub. Adult Sch. | 27 Ryan Rd, Shelby, OH 44875 | (877) 818-7282 | www.pctc.k12.oh.us |
| Tiffin Academy of Hair Design | Two-Year | 104 E Market St, Tiffin, OH 44883 | (419) 447-3117 | tiffinacademy.com |
| Tiffin University | Four-Year | 155 Miami Street, Tiffin, OH 44883 | (800) 968-6446 | www.tiffin.edu |
| Tri-Rivers Career Center | Pub. Adult Sch. | 2222 Marion- Mt. Gilead Rd, Marion, OH 43302 | (740) 389-4681 | tririvers.com |

Source: *Integrated Postsecondary Educational Data System (IPEDS), College Opportunities Online (COOL)*

<http://nces.ed.gov/collegenavigator>

Appendix F: Degree Completers by Program Class for Economic Development Region 6

| Program Class | 2005 Completions | | | | | 2006 Completions | | | | |
|--|------------------|--------------------|------------------|------------------|---------------------|------------------|--------------------|------------------|------------------|---------------------|
| | Assoc. Degrees | Bachelor's Degrees | Master's Degrees | Doctoral Degrees | First-Prof. Degrees | Assoc. Degrees | Bachelor's Degrees | Master's Degrees | Doctoral Degrees | First-Prof. Degrees |
| Natural Resources and Conservation | | 4 | | | | | | | | |
| Communication, Journalism and Related Programs | | 72 | | | | 4 | 65 | | | |
| Communications Technologies/Technicians and Support Services | 7 | | | | | 1 | | | | |
| Computer and Information Sciences and Support Services | 55 | 27 | | | | 64 | 20 | | | |
| Education | 10 | 362 | 823 | 10 | | 11 | 456 | 758 | 5 | |
| Engineering Technologies/Technicians | 60 | | | | | 51 | | | | |
| Foreign Languages, Literatures and Linguistics | | 43 | | | | | 46 | | | |
| Family and Consumer Sciences/Human Sciences | 22 | 25 | | | | 19 | 12 | | | |
| Legal Professions and Studies | 19 | | | | | 12 | | | | |
| English Language and Literature/Letters | | 119 | | | | | 146 | | | |
| Liberal Arts and Sciences, General Studies and Humanities | 210 | 2 | | | | 238 | | | | |
| Biological and Biomedical Sciences | | 77 | | | | | 89 | | | |
| Mathematics and Statistics | | 28 | | | | | 25 | | | |
| Multi/Interdisciplinary Studies | 10 | 49 | | | | 12 | 54 | | | |
| Parks, Recreation, Leisure and Fitness Studies | | 47 | | | | | 41 | | | |
| Philosophy and Religious Studies | | 55 | 5 | | | | 70 | 11 | | |
| Theology and Religious Vocations | | 7 | 48 | 25 | 38 | | 11 | 47 | 20 | 43 |
| Physical Sciences | | 28 | | | | | 14 | | | |
| Psychology | | 139 | 41 | | | | 168 | 41 | | |
| Security and Protective Services | 58 | 58 | 71 | | | 55 | 82 | 40 | | |
| Public Administration and Social Service Professions | 15 | 21 | | | | 19 | 25 | | | |
| Social Sciences | | 131 | 1 | | | | 149 | 7 | | |
| Precision Production | 2 | | | | | 3 | | | | |
| Visual and Performing Arts | | 102 | | | | | 94 | | | |
| Health Professions and Related Clinical Sciences | 237 | 79 | 29 | | | 281 | 115 | 54 | | |
| Business, Management, Marketing and Related Support Services | 124 | 595 | 332 | | | 146 | 661 | 366 | | |
| History | | 69 | | | | | 71 | | | |
| Total, All Programs | 829 | 2,139 | 1,350 | 35 | 38 | 916 | 2,414 | 1,324 | 25 | 43 |

Source: Integrated Postsecondary Educational Data System (IPEDS), College Opportunities Online (COOL)

<http://nces.ed.gov/collegenavigator>

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This report was prepared by the Ohio Department of Job and Family Services, Office of Workforce Development. For further information, visit our website at <http://lmi.state.oh.us> or contact the Ohio Bureau of Labor Market Information at 1-888-2WORK-411 or 1-888-296-7541.

State of Ohio
Department of Job and Family Services
Office of Workforce Development
Bureau of Labor Market Information

Ted Strickland, Governor
Helen E. Jones-Kelley, Director

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