

Ohio County Profiles



Department of
Development

Prepared by the Office of Strategic Research

Region 2

2006 Population: 900,766

Land Area: 3,532.9 square miles

Regional Economic Development Office Location:

One Government Center, Suite 1520

Toledo, OH 43604-2205

Phone: (419) 245-2445 Fax: (419) 245-2448



Taxes

Taxable value of real property	\$16,671,468,740
Residential	\$12,293,478,550
Agriculture	\$695,424,870
Industrial	\$723,113,880
Commercial	\$2,959,367,960
Mineral	\$83,480
Ohio income tax liability	\$620,143,328
Average per return	\$1,506.54

Land Use/Land Cover

	Percent
Urban (Residential/Commercial/Industrial/ Transportation and Urban Grasses)	9.22%
Cropland	71.79%
Pasture	5.21%
Forest	8.68%
Open Water	1.62%
Wetlands (Wooded/Herbaceous)	3.24%
Bare/Mines	0.23%

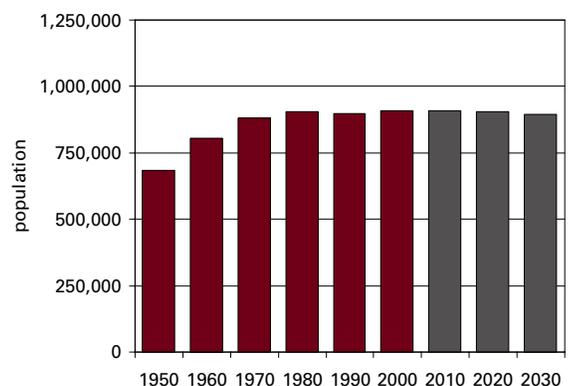
Largest Areas

	Census 2000	Est. 2006
Toledo, Lucas Co.	313,619	298,446
Bowling Green, Wood Co.	29,636	29,725
Sylvania twp UB, Lucas Co.	25,583	26,261
Sandusky, Erie Co.	27,844	26,216
Springfield twp UB, Lucas Co	22,817	23,656
Oregon, Lucas Co.	19,355	19,110
Sylvania, Lucas Co.	18,670	19,109
Fremont, Sandusky Co.	17,375	16,970
Perrysburg, Wood Co.	16,945	16,902
Defiance, Defiance Co.	16,465	16,212

UB: Unincorporated Balance

Total Population

Census	Estimated
1800	2001 908,443
1810	2002 907,066
1820 1,585	2003 905,904
1830 4,602	2004 904,880
1840 46,736	2005 902,614
1850 83,900	2006 900,766
1860 148,099	
1870 206,900	Projected
1880 273,832	2010 907,000
1890 332,510	2020 904,440
	2030 895,640



Population by Race

	Number	Percent
Total Population	908,429	100.0%
White	775,827	85.4%
African-American	88,510	9.7%
Native American	2,448	0.3%
Asian	7,704	0.8%
Pacific Islander	197	0.0%
Other	16,967	1.9%
Two or More Races	16,776	1.8%
Hispanic (may be of any race)	39,840	4.4%
Total Minority	150,072	16.5%

Educational Attainment

	Number	Percent
Persons 25 years and over	583,035	100.0%
No high school diploma	93,686	16.1%
High school graduate	215,901	37.0%
Some college, no degree	121,587	20.9%
Associate degree	40,792	7.0%
Bachelor's degree	72,123	12.4%
Master's degree or higher	38,946	6.7%

Family Type by Employment Status

	Number	Percent
Total Families	239,103	100.0%
Married couple, husband and wife in labor force	102,709	43.0%
Married couple, husband in labor force, wife not	35,901	15.0%
Married couple, wife in labor force, husband not	12,193	5.1%
Married couple, husband and wife not in labor force	32,374	13.5%
Male householder, in labor force	10,963	4.6%
Male householder, not in labor force	3,122	1.3%
Female householder, in labor force	29,060	12.2%
Female householder, not in labor force	12,781	5.3%

Household Income in 1999

	Number	Percent
Total Households	356,575	100.0%
Less than \$10,000	32,236	9.0%
\$10,000 to \$19,999	46,879	13.1%
\$20,000 to \$29,999	49,568	13.9%
\$30,000 to \$39,999	45,980	12.9%
\$40,000 to \$49,999	40,080	11.2%
\$50,000 to \$59,999	34,523	9.7%
\$60,000 to \$74,999	39,701	11.1%
\$75,000 to \$99,999	36,167	10.1%
\$100,000 to \$149,999	21,525	6.0%
\$150,000 to \$199,999	4,943	1.4%
\$200,000 or more	4,973	1.4%
Median household income	\$40,857	

Population by Age

	Number	Percent
Total Population	908,429	100.0%
Under 6 years	71,699	7.9%
6 to 17 years	162,022	17.8%
18 to 24 years	91,673	10.1%
25 to 44 years	258,417	28.4%
45 to 64 years	203,724	22.4%
65 years and more	120,894	13.3%
Median Age	35.9	

Family Type by Presence of Own Children Under 18

	Number	Percent
Total Families	239,103	100.0%
Married-couple families with own children	80,823	33.8%
Male householder, no wife present, with own children	8,026	3.4%
Female householder, no husband present, with own children	26,579	11.1%
Families with no own children	123,675	51.7%

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

	Number	Percent
Total Families	239,103	100.0%
Family income above poverty level	220,585	92.3%
Family income below poverty level	18,518	7.7%
Married couple, with related children	3,099	16.7%
Male householder, no wife present, with related children	1,386	7.5%
Female householder, no husband present, with related children	10,697	57.8%
Families with no related children	3,336	18.0%

Ratio of Income in 1999 To Poverty Level

	Number	Percent
Population for whom poverty status is determined	885,478	100.0%
Below 50% of poverty level	42,890	4.8%
50% to 99% of poverty level	52,107	5.9%
100% to 149% of poverty level	65,130	7.4%
150% to 199% of poverty level	72,759	8.2%
200% of poverty level or more	652,592	73.7%

Residence in 1995

	Number	Percent
Population 5 years and over	849,250	100.0%
Same house in 1995	496,437	58.5%
Different house, same county	221,626	26.1%
Different county, same state	77,986	9.2%
Different state	45,725	5.4%
Puerto Rico or U.S. islands	346	0.0%
Foreign country	7,130	0.8%

Travel Time To Work

	Number	Percent
Workers 16 years and over	429,160	100.0%
Less than 15 minutes	159,996	37.3%
15 to 29 minutes	174,649	40.7%
30 to 44 minutes	53,551	12.5%
45 to 59 minutes	14,591	3.4%
60 minutes or more	16,850	3.9%
Worked at home	9,523	2.2%

Mean travel time 20.2 minutes

Housing Units

	Number	Percent
Total housing units	390,455	100.0%
Occupied housing units	356,595	91.3%
Owner occupied	250,230	64.1%
Renter occupied	106,365	27.2%
Vacant housing units	33,860	8.7%

Year Structure Built

	Number	Percent
Total housing units	390,455	100.0%
Built 1995 to March 2000	23,840	6.1%
Built 1990 to 1994	19,022	4.9%
Built 1980 to 1989	36,975	9.5%
Built 1970 to 1979	62,600	16.0%
Built 1960 to 1969	49,681	12.7%
Built 1950 to 1959	58,632	15.0%
Built 1940 to 1949	35,169	9.0%
Built 1939 or earlier	104,536	26.8%

Median year built 1950

Value for Specified Owner-Occupied Housing Units

	Number	Percent
Specified owner-occupied housing units	214,793	100.0%
Less than \$20,000	2,920	1.4%
\$20,000 to \$39,999	11,596	5.4%
\$40,000 to \$59,999	22,553	10.5%
\$60,000 to \$79,999	35,891	16.7%
\$80,000 to \$99,999	41,576	19.4%
\$100,000 to \$124,999	31,161	14.5%
\$125,000 to \$149,999	24,297	11.3%
\$150,000 to \$199,999	24,976	11.6%
\$200,000 to \$249,999	9,305	4.3%
\$250,000 to \$499,999	9,131	4.3%
\$500,000 to \$999,999	1,045	0.5%
\$1,000,000 or more	342	0.2%

Median value \$96,326

House Heating Fuel

	Number	Percent
Occupied housing units	356,595	100.0%
Utility gas	258,841	72.6%
Bottled, tank or LP gas	34,514	9.7%
Electricity	51,377	14.4%
Fuel oil, kerosene, etc	7,189	2.0%
Coal, coke or wood	2,731	0.8%
Solar energy or other fuel	1,360	0.4%
No fuel used	583	0.2%

Gross Rent

	Number	Percent
Specified renter-occupied housing units	105,286	100.0%
Less than \$100	1,824	1.7%
\$100 to \$199	5,123	4.9%
\$200 to \$299	6,549	6.2%
\$300 to \$399	15,470	14.7%
\$400 to \$499	24,454	23.2%
\$500 to \$599	20,245	19.2%
\$600 to \$699	11,695	11.1%
\$700 to \$799	6,974	6.6%
\$800 to \$899	3,449	3.3%
\$900 to \$999	1,731	1.6%
\$1,000 to \$1,499	1,882	1.8%
\$1,500 or more	933	0.9%
No cash rent	4,957	4.7%

Median gross rent \$487

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	144,657	100.0%
Less than \$400	4,150	2.9%
\$400 to \$599	19,075	13.2%
\$600 to \$799	32,283	22.3%
\$800 to \$999	30,259	20.9%
\$1,000 to \$1,249	25,725	17.8%
\$1,250 to \$1,499	14,805	10.2%
\$1,500 to \$1,999	11,316	7.8%
\$2,000 to \$2,999	5,607	3.9%
\$3,000 or more	1,437	1.0%

Median monthly owners cost \$906

Median monthly owners cost as a percentage of household income

Vital Statistics

	Number	Rate
Births / rate per 1,000 women aged 15-44	11,449	61.1
Teen births / rate per 1,000 females 15-17	411	21.2
Deaths / rate per 100,000 population	8,571	947.8
Marriages / rate per 1,000 population	8,565	9.5
Divorces / rate per 1,000 population	3,080	3.4

Migration

Agriculture

Land in farms (acres)	1,616,000
Number of farms	6,760
Average size (acres)	239
Total cash receipts	\$622,131,000
Per farm	\$91,760

Education

Public schools	350
Students (Average Daily Membership)	148,692
Expenditures per student	\$9,604
Student-teacher ratio	
Graduation rate	
Teachers (Full Time Equivalent)	8,860.1
Non-public schools	73
Students	17,731
4-year public universities	2
Branches	2
2-year public colleges	3
Private universities and colleges	2
Public libraries (Main / Branches)	29 / 42

Transportation

Registered motor vehicles	974,380
Passenger cars	656,795
Noncommercial trucks	140,930
Total license revenue	\$25,333,130.57
Interstate highway miles	210.00
Turnpike miles	132.48
U.S. highway miles	442.59
State highway miles	1,141.38
Commercial airports	20

Voting

Number of precincts	926
Number of registered voters	609,998
Voted in 2006 election	323,117
Percent turnout	53.0%

Health Care

Physicians (MDs & DOs)	2,154
Registered hospitals	20
Number of beds	4,424
Licensed nursing homes	81
Number of beds	8,064
Licensed residential care	39
Number of beds	2,388
Adults with employer-based insurance	64.4%
Children with employer-based insurance	66.9%

State Parks, Forests, Nature Preserves, And Wildlife Areas

Facilities	90
Acreage	27,456.77

Communications

Television stations	9
Radio stations	39
Daily newspapers	10
Circulation	246,500

Crime

Total crimes reported in Uniform Crime Report	40,546
-----------------------------------------------	--------

Finance

FDIC insured financial institutions (HQs)	20
Assets	\$5,628,760,000
Branch offices	337
Institutions represented	36

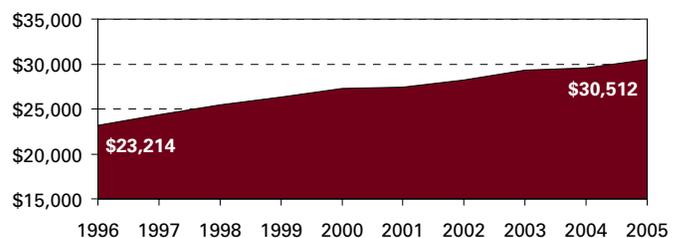
Transfer Payments

Total transfer payments	\$5,056,348,000
Payments to individuals	\$4,812,546,000
Retirement and disability	\$1,972,564,000
Medical payments	\$2,128,704,000
Income maintenance (Supplemental SSI, family assistance, food stamps, etc)	\$480,751,000
Unemployment benefits	\$98,674,000
Veterans benefits	\$69,009,000
Federal education and training assistance	\$60,898,000
Other payments to individuals	\$1,946,000
Total personal income	\$27,540,742,000
Dependency ratio	18.4%

Federal Expenditures

Direct expenditures or obligations	\$4,774,659,058
Retirement and disability	\$1,986,310,387
Other direct payments	\$1,288,235,036
Grant awards	\$1,093,385,739
Highway planning and construction	\$165,399,122
Temporary assistance to needy families	\$60,498,492
Medical assistance program	\$527,492,867
Procurement contract awards	\$170,637,077
Dept. of Defense	\$110,797,609
Salary and wages	\$236,090,819
Dept. of Defense	\$43,481,000
Other federal assistance	\$1,278,475,476
Direct loans	\$214,943,199
Guaranteed loans	\$237,559,114
Insurance	\$825,973,163

Per Capita Personal Income



Civilian Labor Force

	2002	2003	2004	2005	2006
Civilian labor force	468,200	467,500	468,600	468,400	472,600
Employed	438,600	435,200	436,500	438,300	444,000
Unemployed	29,600	32,200	32,100	30,100	28,500
Unemployment rate	6.3	6.9	6.9	6.4	6.0

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	427,913	426,818	\$14,620,736	\$14,862,427
Private Sector	370,703	370,201	\$12,417,460	\$12,674,849
Agriculture, forestry, fishing and hunting	1,249	577	\$25,718	\$12,100
Mining	499	52	\$27,394	\$2,572
Utilities	822	818	\$54,880	\$59,846
Construction	19,104	19,052	\$784,719	\$812,410
Manufacturing	85,573	83,489	\$4,220,752	\$4,133,392
Wholesale trade	16,366	16,346	\$692,936	\$706,960
Retail trade	50,548	48,666	\$1,049,043	\$1,030,695
Transportation and warehousing	10,491	12,204	\$359,779	\$423,736
Information	5,932	5,284	\$233,853	\$221,394
Finance and insurance	10,212	10,846	\$468,671	\$503,321
Real estate and rental and leasing	5,161	5,280	\$134,510	\$141,776
Professional and technical services	12,461	12,271	\$525,131	\$536,593
Management of companies and enterprises	3,448	4,239	\$246,881	\$335,823
Administrative and waste services	22,583	21,839	\$515,500	\$487,619
Educational services	4,759	4,774	\$97,482	\$103,481
Health care and social assistance	48,382	49,840	\$1,733,460	\$1,843,522
Arts, entertainment, and recreation	8,233	8,425	\$139,174	\$151,884
Accommodation and food services	36,978	37,702	\$395,028	\$407,774
Other services, except public administration	15,266	14,739	\$288,947	\$288,832
State and Local Government	57,209	56,618	\$2,203,274	\$2,187,580
State government	9,801	9,769	\$462,590	\$608,877
Local government	37,114	36,660	\$1,364,796	\$1,578,702
Federal Government	3,174	3,185	\$162,366	\$160,686

-1 or \$0 indicates suppression for confidentiality

Business Numbers

	2002	2003	2004	2005	2006
Business starts	1,676	1,912	1,607	1,689	1,799
Active businesses	17,437	17,612	17,826	17,949	17,901

Residential

Construction

	2002	2003	2004	2005	2006
Total units	3,455	4,188	5,040	4,124	2,657
Total valuation (000)	\$425,639	\$510,281	\$562,393	\$566,759	\$380,991
Total single-unit bldgs	2,842	3,257	3,359	3,052	2,230
Average cost per unit	\$138,930	\$141,937	\$140,530	\$161,071	\$158,724
Total multi-unit bldg units	613	931	1,681	1,072	427
Average cost per unit	\$50,247	\$51,551	\$53,749	\$70,120	\$63,318

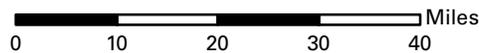
Major Employers

Andersons Inc	Trade
Bowling Green State University	Govt
Campbell Soup Co	Mfg
Cedar Fair/CedarPoint	Serv
Chrysler LLC	Mfg
Dana Corp	Mfg
Delphi Corp	Mfg
General Motors Corp	Mfg
HJ Heinz Co	Mfg
Johns Manville Corp	Mfg
Libbey Inc	Mfg
Owens Corning	Mfg
Sauder Woodworking Co	Mfg
University of Toledo	Govt
Whirlpool Corp	Mfg

Region 2 Northwest Ohio



Department of
Development



One Government Center, Suite 1520
Toledo, OH 43604-2205
Phone: (419) 245-2445
Fax: (419) 245-2448

Population (2006): 900,766
Area: 3,532.9 sq. mi.

2007 Ohio Private Investment List

Region	County	Company	City	NAICS	Product	Type	Jobs	Investment	Square Feet	New	Exp
2	Defiance	GM Corp	Defiance	331511	Engine blocks	MF		\$61,000,000			Exp
2	Defiance	Advantage Powder Coating	Defiance	332812	Metal coating	MF		\$1,850,000	48,700		Exp
2	Defiance	Quality Machining	Hicksville	33271	Pipe fittings	MF	25	\$1,200,000		New	
2	Defiance	Hampton Inn	Defiance	72111	Hotel	HO		\$1,500,000		New	
2	Erie	Bettcher Industries	Florence Twp	333294	Food processing equpt	MF	25	\$5,650,000	44,000		Exp
2	Erie	Kalahari Resorts Inc	Sandusky	72111	Hotel/water park	HO		\$50,000,000			Exp
2	Erie	Okamoto Industries	Sandusky	336399	Plastic auto parts	MF/F	120	\$3,500,000		New	
2	Erie	American Stone	Vermilion	327991	Cut sandstone	MF		\$3,100,000	172,000		Exp
2	Erie	Myers Industries / Akro-Mils	Sandusky	326199	Petri dishes	MF	30	\$1,500,000			Exp
2	Erie	Coleys Inc	Vermilion	33271	Machine shop	MF	6	\$3,600,000	30,000		Exp
2	Erie	Maui Sands Resort	Sandusky	72111	Hotel/waterpark	HO	225	\$30,000,000		New	
2	Erie	Akro-Mils	Sandusky	229111	Petri dishes	MF	30	\$1,500,000			Exp
2	Fulton	ZincOx Resources plc	York Twp	42393	Zinc products	MF/F	50	\$94,800,000		New	
2	Lucas	DP Partners	Toledo	23311	Spec dist - North Cross	SW		\$3,400,000	76,000	New	
2	Lucas	Residence Inn	Maumee	72111	Hotel	HO		\$8,500,000		New	
2	Lucas	Rieter Automotive	Oregon	336399	Auto carpet	MF/F	80	\$6,000,000	4,000		Exp
2	Lucas	Spartan Chemical	Maumee	325612	Chemicals	MF		\$2,000,000	28,000		Exp
2	Lucas	Buckeye Biofuels LLC	Toledo	325193	Ethanol	MF	40	\$220,000,000		New	
2	Lucas	Crowne Plaza	Toledo	72111	Hotel	HO		\$6,000,000			Exp
2	Lucas	GM Corp	Toledo	33635	Vehicle transmissions	MF		\$332,000,000			Exp
2	Lucas	OmniSource Corp	Toledo	42393	Metal recovery	MF		\$9,000,000			Exp
2	Lucas	Staybridge Suites	Maumee	72111	Hotel	HO		\$10,000,000	110,000	New	
2	Lucas	Schindler Elevator Corp	Holland	333921	Elevators	R&D/F	80	\$4,000,000	20,000		Exp
2	Lucas	Omincare/Westhaven	Maumee	42345	Medical supplies	DW	225	\$3,600,000		New	
2	Lucas	Toledo Riverview Hotel	Toledo	72111	Hotel	HO		\$5,000,000	33,000		Exp
2	Ottawa	ARES Inc	Port Clinton	332995	Military products	MF	20	\$2,200,000			Exp
2	Sandusky	Renewable Agricultural Energy	Gibsonburg	325193	Ethanol	MF	40	\$50,000,000		New	
2	Sandusky	Ohio Renewable Fuels	Fremont	325193	Ethanol	MF	37	\$87,000,000	100,000	New	
2	Sandusky	Spader Freight	Clyde	484121	Trucking	DW	81	\$3,000,000	115,000	New	
2	Sandusky	Fisher & Paykel	Clyde	335224	Appliances	DW/F	6		30,000		Exp
2	Sandusky	Style Crest Products	Clyde	42333	Siding, insulation	DW		\$3,025,000	135,000	New	
2	Sandusky	Crown Battery	Fremont	33591	Batteries	MF	40	\$15,000,000	90,000		Exp
2	Sandusky	Style Crest Products	Fremont	42333	Plastic products	DW	4	\$3,000,000	126,000	New	
2	Sandusky	International Automotive Components	Fremont	336399	Plastic auto parts	MF	150	\$2,600,000			Exp
2	Williams	A-Stamp	Bryan	33637	Auto stampings	MF	20	\$1,700,000			Exp
2	Williams	G&M Media Packaging	Bryan	332312	Metal video game containers	MF/F	40	\$10,000,000	25,000	New	
2	Williams	Titan Tire Corp	Bryan	326211	Tires	MF	150	\$125,000,000	220,000		Exp
2	Williams	Shafer Redi-Mix	Montpelier	32732	Concrete	MF	9	\$1,900,000		New	
2	Williams	Bestway Motor Lines	Jefferson Twp	48423	Motor freight	DW	18	\$2,000,000			Exp
2	Wood	FedEx Ground	Perrysburg Twp	48423	Distribution hub	DW		\$80,000,000	410,000	New	
2	Wood	Hancock Wood Electric	North Baltimore	221122	Utility	OF		\$15,000,000		New	
2	Wood	Candlewood Suites	Perrysburg	72111	Hotel	HO		\$4,500,000	50,000	New	

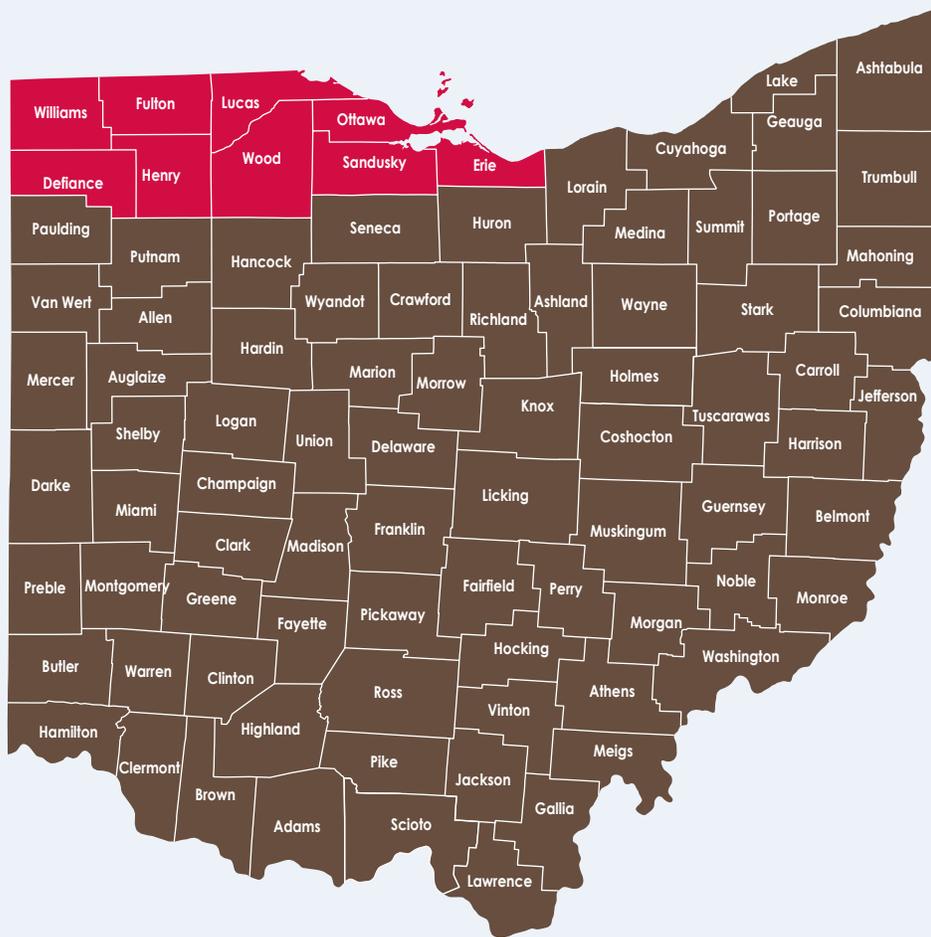
2007 Ohio Private Investment List

Region	County	Company	City	NAICS Product	Type	Jobs	Investment	Square Feet	New	Exp
Region 2	Totals					1,551	\$1,274,625,000	1,866,700		

Workforce Analysis

Northwest Ohio

Economic Development Region 2



*Defiance, Erie, Fulton, Henry, Lucas, Ottawa,
Sandusky, Williams and Wood Counties*

Workforce Analysis
Economic Development Region 2



October
2007

Workforce Analysis Economic Development Region 2 Northwest Ohio

Table of Contents

Preface.....	iii
Executive Summary.....	v
I. Understanding the Local Labor Market.....	1
II. Economic Indicators	3
Population Trends.....	3
Demographic Traits.....	3
Employment Trends.....	4
Unemployment Rate Trends	5
Per Capita Income Trends	6
Residential Construction Permit Trends.....	7
III. Employment Projections to 2014	9
Projections by Industry Sector	9
Projections by Occupational Group.....	10
High Prospect Occupations	11
IV. Education & Training.....	15
Educational Attainment.....	15
Institutions and Degree Completions.....	15
Skills-Based Projections	16
Technical Notes.....	19
References.....	20
Appendix A: Ohio's Economic Development Regions	21
Appendix B: Ohio's Metropolitan Statistical Areas	22
Appendix C: Detailed County-to-County Commuting Patterns	23
Appendix D: Major Employers by County	26
Appendix E: Postsecondary Institutions.....	28
Appendix F: Degree Completions by Program Class.....	29

Executive Summary

- The Northwest Ohio EDR has a small positive net flow of commuters, with about 440,000 workers commuting from other counties to work in this region. The hub is the Toledo metropolitan area.
- Regional population has fallen about 0.7 percent since 1995. This EDR has a smaller proportion of prime working-age population than the rest of Ohio.
- Nonfarm employment has fallen 4.6 percent from 2000 to 2006. A minor recovery in 2004 appears to have stalled in recent years.
- The 2006 annual unemployment rate was 6.0 percent, a decline of 0.9 percentage point from the peak in 2003. Unemployment remained higher than state and national rates.
- 2005 per capita income was \$30,512, a 3.2 percent annual compound rate of growth from 1995.
- The number of new residential building permits in 2006 has fallen to 2,700 units after a building boom in 2004.
- This region has a much higher proportion of employment in goods-producing industries than the rest of Ohio. Education and health services is projected to experience the most employment growth through 2014.
- Healthcare occupations are projected to add the most jobs through 2014. Despite strong job losses, production occupations will have a fairly large number of average annual openings, mainly due to replacement needs.
- Northwest Ohio has a slightly lower proportion of adults with postsecondary degrees.
- There are 23 postsecondary institutions in Northwest Ohio. A combined 13,544 certificates and degrees were awarded in 2006, a 4.5 percent increase from 2005.
- A highly-literate workforce will be important in this region in the next ten years.

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 Northwest Ohio EDR is largely centered around the Toledo MSA, with the central city in Lucas County. This region has a small positive net flow of commuters. This total excludes commuting between counties within the region. About 440,000 workers, or about 10.1 percent, in this region commute from outside the area. Lucas County has the region's strongest draw of workers. Ottawa County has the strongest negative flow of commuters. This county is situated between both the Toledo MSA and Erie County, the Sandusky MSA.

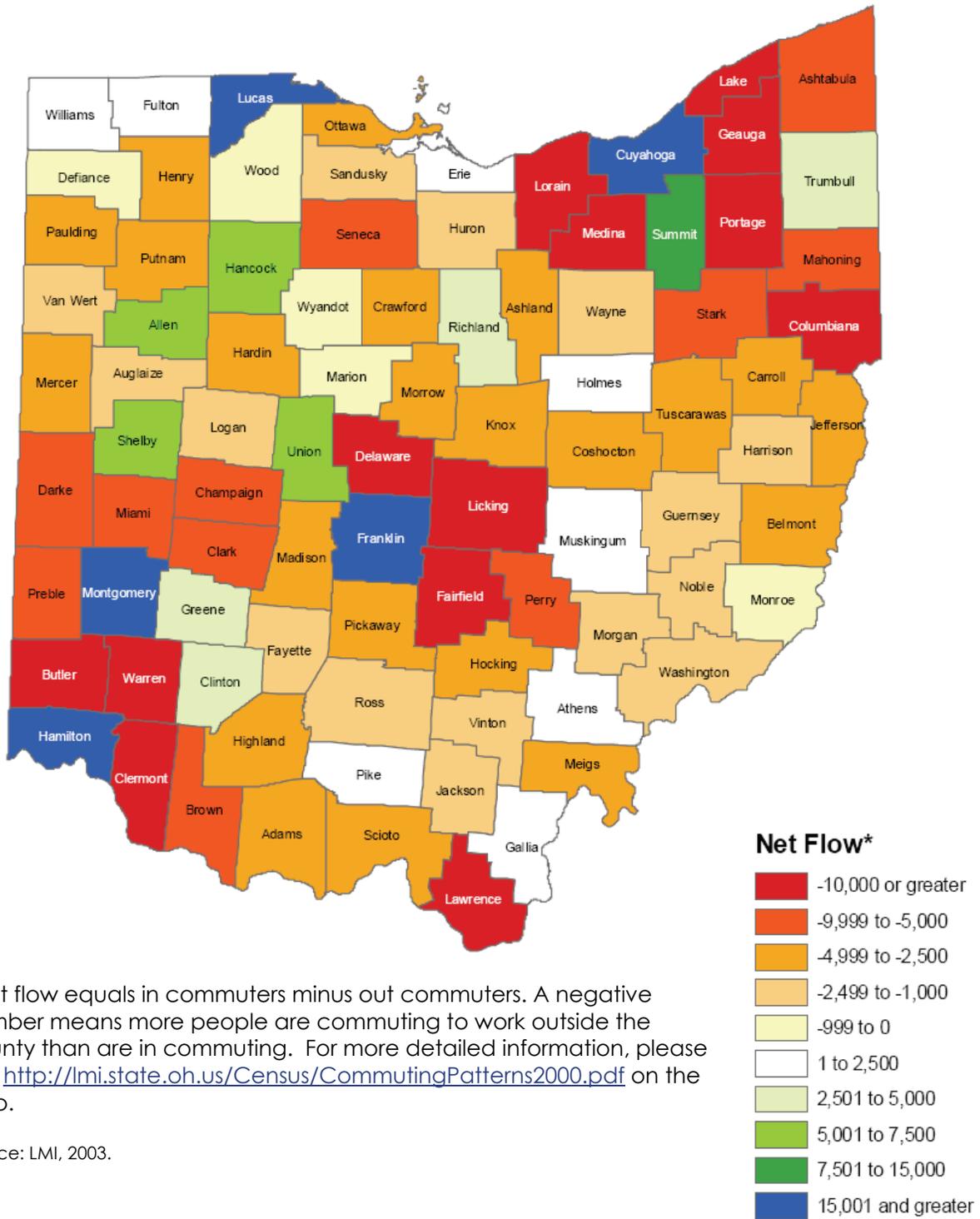
Figure 1: Regional Commuting Patterns

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
Defiance	19,013	5,990	31.5%	19,540	6,517	33.4%	-527	-4.2%
Erie	37,497	9,847	26.3%	37,016	9,366	25.3%	481	2.5%
Fulton	21,516	8,785	40.8%	20,855	8,124	39.0%	661	3.9%
Henry	11,170	3,236	29.0%	13,911	5,977	43.0%	-2,741	-29.8%
Lucas	226,840	51,466	22.7%	207,585	32,211	15.5%	19,255	23.0%
Ottawa	15,208	4,284	28.2%	19,434	8,510	43.8%	-4,226	-33.0%
Sandusky	28,184	7,548	26.8%	29,971	9,335	31.1%	-1,787	-10.6%
Williams	19,714	4,731	24.0%	19,641	4,658	23.7%	73	0.8%
Wood	60,992	26,884	44.1%	61,207	27,099	44.3%	-215	-0.4%
Northwest Ohio	440,134	44,234	10.1%	429,160	33,260	7.8%	10,974	14.2%

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



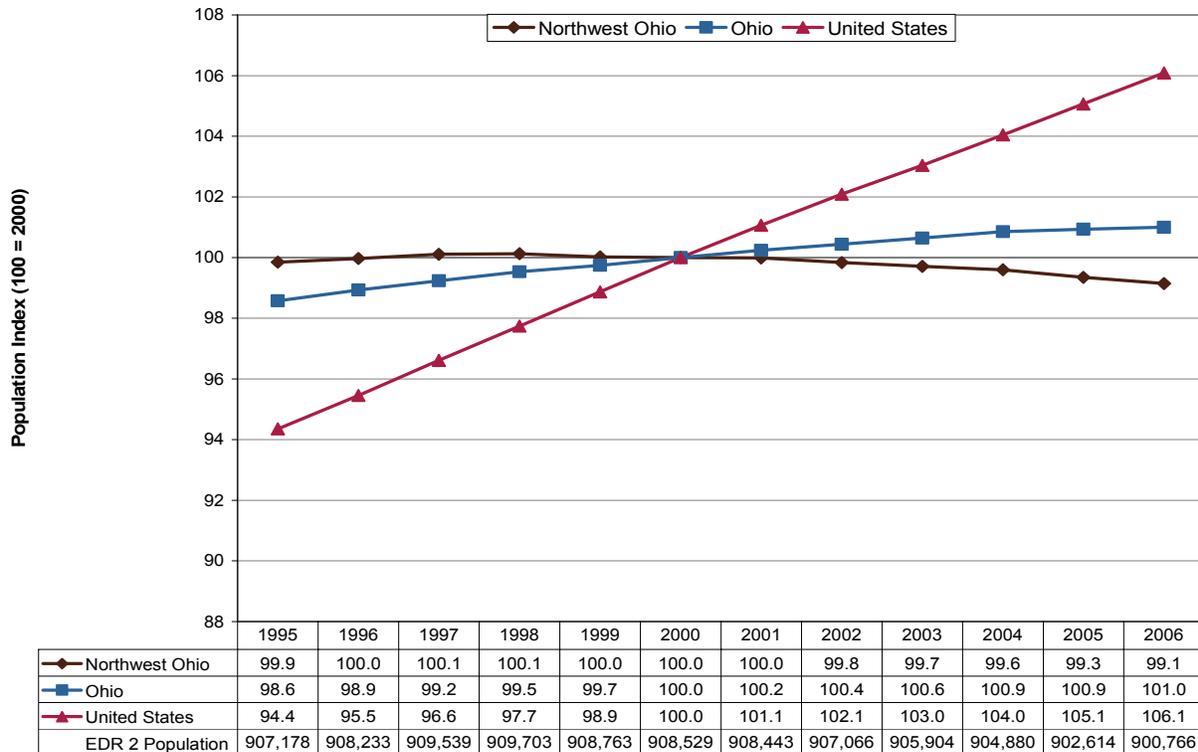
*Net flow equals in commuters minus out commuters. A negative number means more people are commuting to work outside the county than are in commuting. For more detailed information, please visit <http://lmi.state.oh.us/Census/CommutingPatterns2000.pdf> on the web.

Source: LMI, 2003.

II. Economic Indicators

Population Trends. Total population in Northwest Ohio was approximately 900,800 residents in 2006. Regional population has been gradually declining since 1998 when there were nearly 910,000 people living here. Since 1995, population has dropped 0.7 percent. Also, the rate of decline appears to be increasing. For comparison, statewide population rose by 2.5 percent and national population by 12.4 percent.

Figure 3: Population Trends, 1995-2006



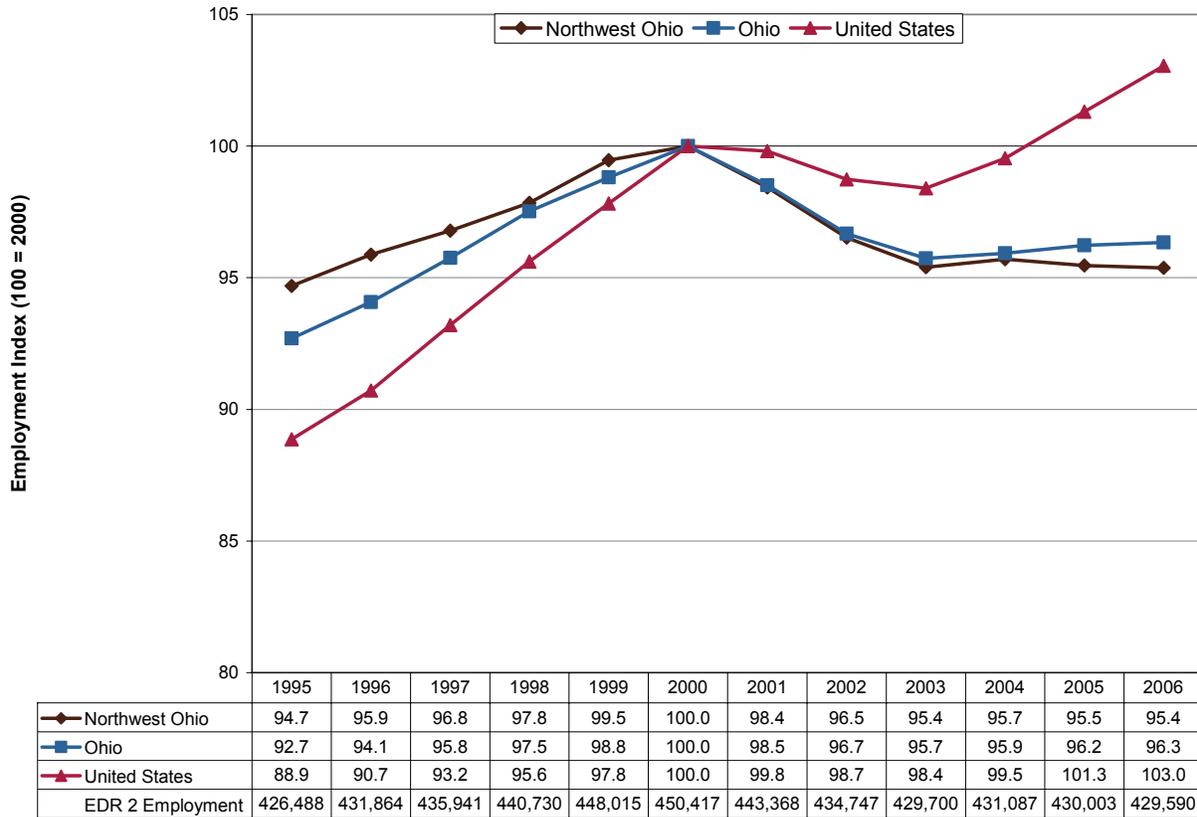
Demographic Traits. Population estimates from 2006, shown in Figure 4, reveal differences between this EDR and the rest of the state and nation. This region has a smaller prime working-age population between 25 and 54 (40.9%) than the rest of Ohio (42.0%) and the U.S. (42.6%). There is also a slightly smaller proportion of children under 15 (19.7%).

Figure 4: Demographic Characteristics, 2006

	United States		Ohio		Northwest Ohio	
Total	299,238,484	100.0%	11,478,006	100.0%	900,766	100.0%
Under 5	20,417,636	6.8%	734,735	6.4%	57,506	6.4%
5 to 14	40,337,284	13.5%	1,534,571	13.4%	119,836	13.3%
15 to 24	42,435,426	14.2%	1,597,458	13.9%	134,739	15.0%
25 to 34	40,415,979	13.5%	1,459,394	12.7%	112,411	12.5%
35 to 44	43,666,950	14.6%	1,621,662	14.1%	119,820	13.3%
45 to 54	43,278,174	14.5%	1,738,480	15.1%	136,380	15.1%
55 to 64	31,586,683	10.6%	1,259,712	11.0%	99,462	11.0%
65 and older	37,260,352	12.5%	1,531,994	13.3%	120,612	13.4%

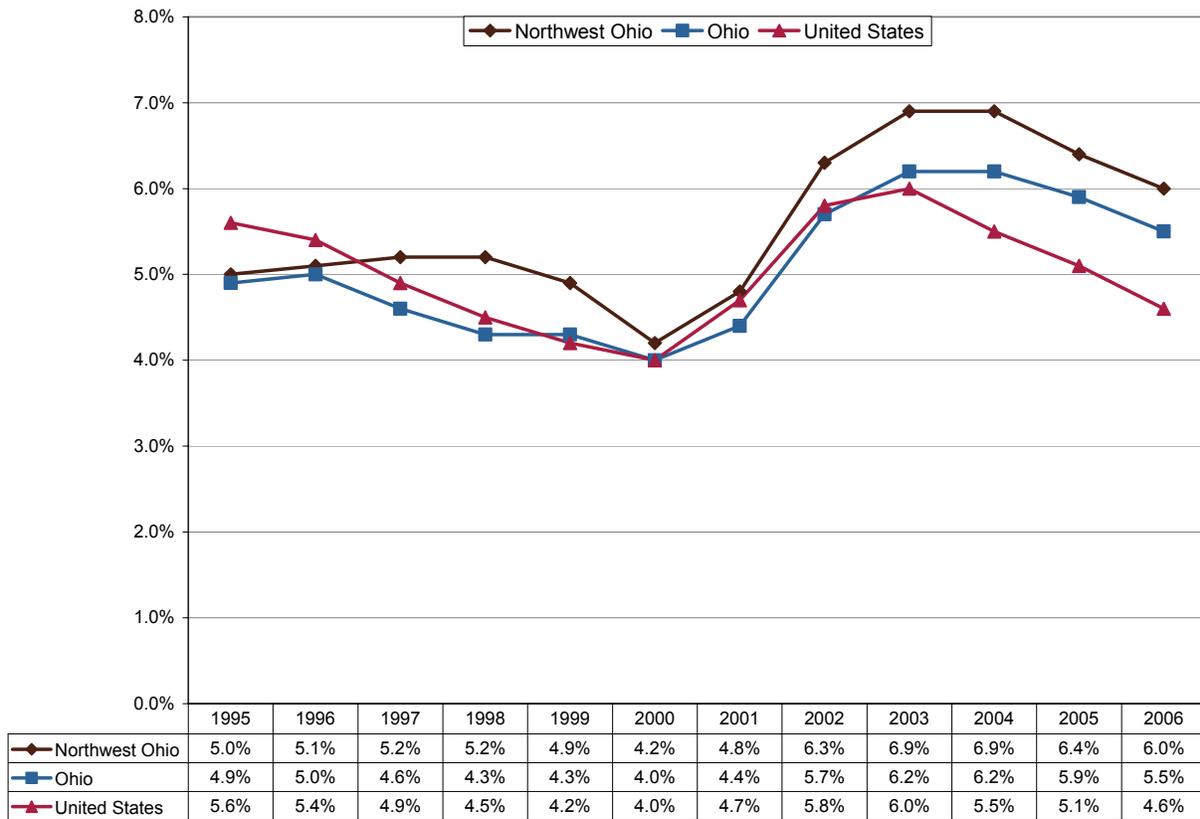
Employment Trends. Total nonfarm employment in this region was about 430,000 in 2006. Since 2000, employment levels in Northwest Ohio have behaved similar to the rest of the state, with significant job losses following the 2001 recession. From 2000 to 2006, total nonfarm employment in this EDR fell 4.6 percent, compared with a 3.7 percent drop across Ohio. A minor job recovery in 2004 seems to have stalled. By comparison, employment levels in the United States have fully recovered from the recession.

Figure 5: Nonfarm Employment Trends, 1995-2006



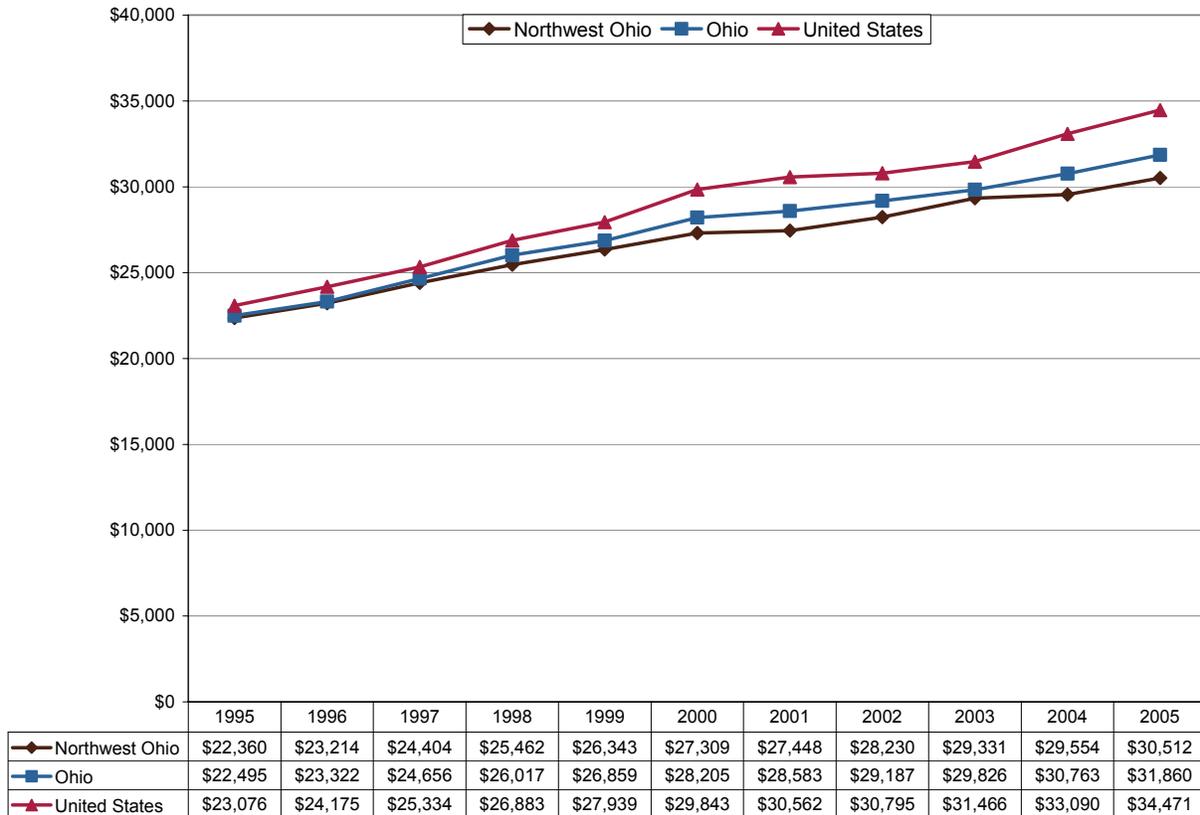
Unemployment Rate Trends. The unemployed are those in the non-institutional population 16 years or older who were not employed during the reference week but were actively seeking work, waiting to be called back to a job after a layoff, or waiting to report within 30 days to a new job. Northwest Ohio's unemployment rate in 2006 was 6.0 percent, much higher than the national rate of 4.6 percent. The unemployment rate in this region has generally been higher than the state and national rates throughout the period of analysis. The unemployment rate has fallen 0.9 percentage point since the peak of 6.9 percent in 2003, compared with a 0.7 percentage point drop in Ohio and a 1.4 percentage point drop in the United States.

Figure 6: Unemployment Trends, 1995-2006



Per Capita Income Trends. Per capita income levels in Northwest Ohio, Ohio and the U.S. are shown in Figure 7 below. In 2005, income was \$30,512 per capita in this region, an annual compound rate of growth of 3.2 percent since 1995. For comparison, per capita income grew 3.5 percent in Ohio and 4.1 percent in the U.S. during this period. Income levels have generally been lower in this region than the rest of the state. Although this EDR does contain the central city of the Toledo MSA, it also contains a large number of more rural counties. Income levels tend to be lower in rural areas than in urban areas.

Figure 7: Per Capita Income, 1995-2005



Residential Construction Permit Trends. Nationwide, there was a significant drop between 2005 and 2006 in the number of residential units built. After a building boom peaking in 2004, construction activity in Northwest Ohio has fallen to about 2,700 units. Average valuation has generally been below the state and national averages in the last few years.

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

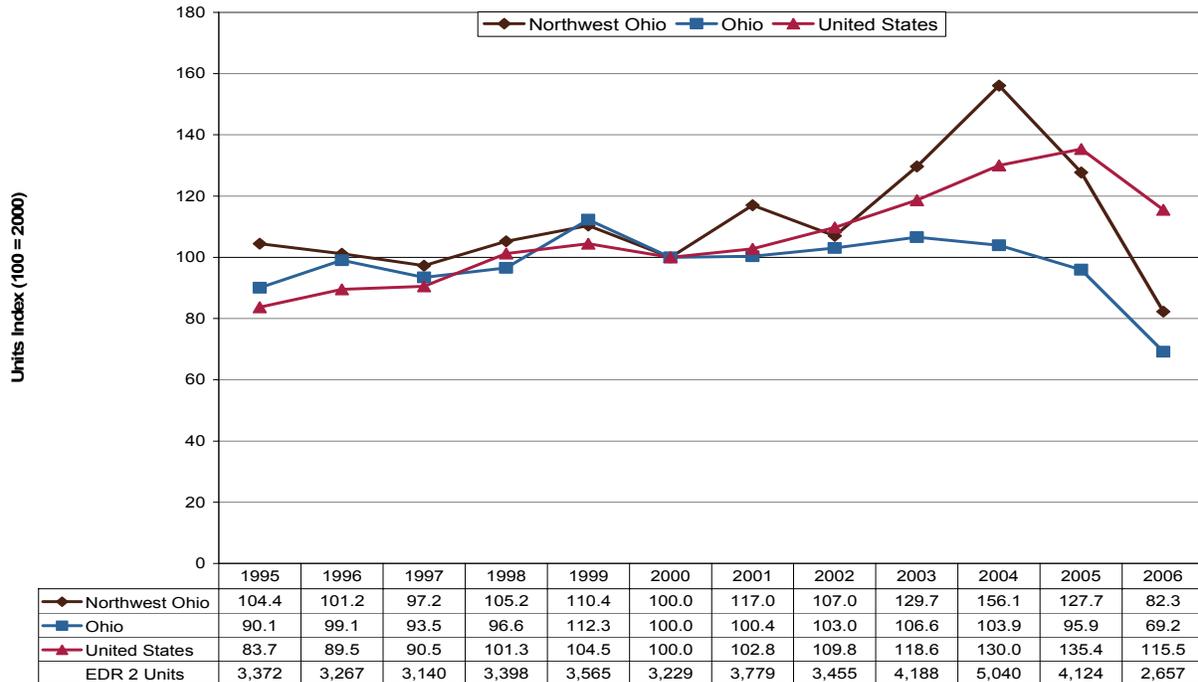
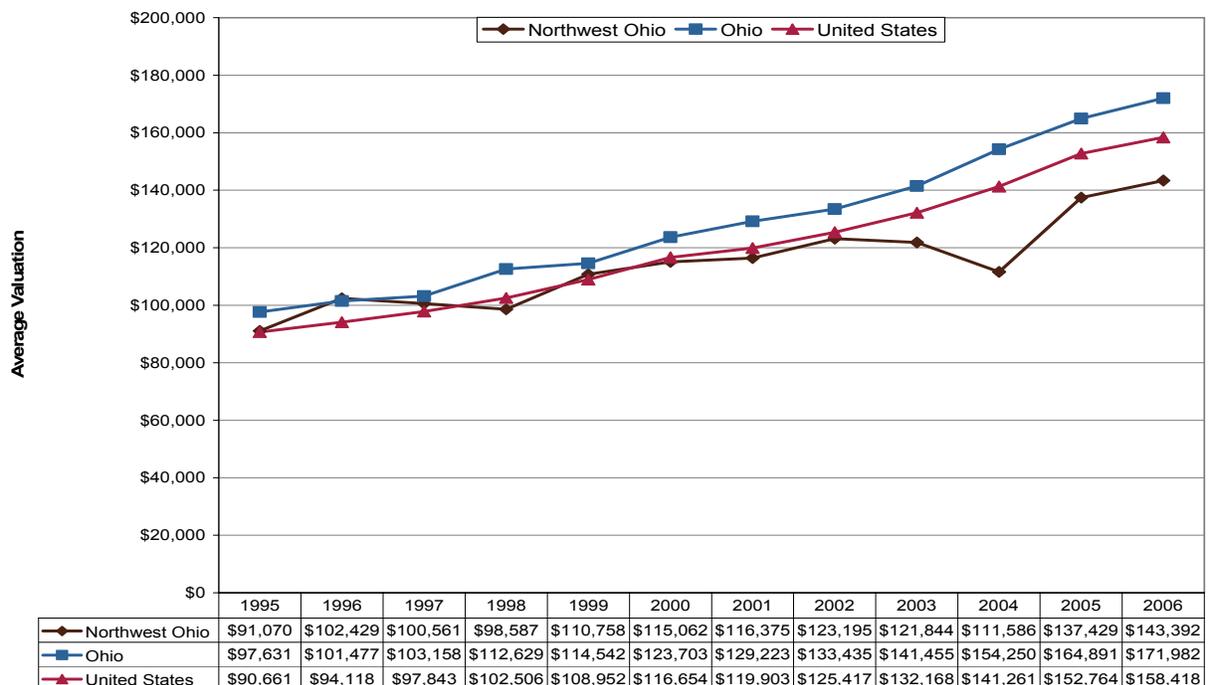


Figure 9: Valuation of New Residential Building Permits, 1995-2006



III. Employment Projections to 2014

Projections by Industry Sector. Figure 10 below gives projections from the Job Outlook to 2014 for Northwest Ohio. As of 2004, about 24.0 percent of all employment was in goods-producing industries and 76.0 percent was in service-providing industries. This is a much higher proportion of goods-producing employment than statewide (19.9%).

Between 2004 and 2014, total employment is expected to grow 5.6 percent in Northwest Ohio to about 501,400 workers. Nearly all of this job growth will be in service-providing industries; goods-producing firms will decline 6.0 percent. The fastest employment growth during this period is projected for education and health services (22.5%); arts, entertainment and recreation (22.4%); and construction (10.5%), the only goods-producing industry expected to add jobs. Manufacturing—today one of the largest industry sectors—is projected to shed 7,800 jobs during this period.

Figure 10: Northwest Ohio Projections to 2014 by Industry Sector

Industry	2004 Annual Employment	2014 Projected Employment	Change in Employment 2004-2014	Percent Change 2004-2014
Total Employment	474,600	501,400	26,800	5.6%
Goods-Producing	113,700	106,900	-6,800	-6.0%
Natural Resources and Mining	9,000	8,100	-900	-10.0%
Construction	19,100	21,100	2,000	10.5%
Manufacturing	85,600	77,800	-7,800	-9.1%
Service-Providing	330,400	364,200	33,800	10.2%
Trade, Transportation and Utilities	83,300	87,000	3,700	4.4%
Retail Trade	50,500	51,600	1,100	2.2%
Information	5,900	5,900	0	0.0%
Financial Activities	17,100	18,500	1,400	8.2%
Professional and Business Services	39,100	46,300	7,200	18.4%
Education and Health Services	59,900	73,400	13,500	22.5%
Leisure and Hospitality	45,500	50,200	4,700	10.3%
Arts, Entertainment & Recreation	8,500	10,400	1,900	22.4%
Accommodation and Food Services	37,000	39,700	2,700	7.3%
Other Services	20,100	22,100	2,000	10.0%
Government	59,600	60,800	1,200	2.0%
Federal Government	3,200	3,000	-200	-6.3%
State Government	13,300	13,500	200	1.5%
Local Government	43,100	44,200	1,100	2.6%
Self-Employed, Private Household and Unpaid Family Workers	30,400	30,300	-100	-0.3%

Projections by Occupational Group. Figure 11 breaks down projected changes in employment in Northwest Ohio by major occupational group. In 2004, the largest occupational groups in this region were office and administrative support; production; sales and related; and healthcare occupations.

Most occupational growth from 2004 to 2014 will be in healthcare, adding 10,400 jobs (24.1%) and averaging over 1,800 openings per year. Other occupational groups with significant projected job growth include; computer and mathematical (16.6%); personal care and service occupations (14.3%); and community and social services (12.9%). Note that although production occupations will have the greatest number of net jobs lost during this period—about 3,500 (-5.7%)—it is also projected to have a large number of average annual openings—almost 1,500. About three out of every four openings are projected to be replacement hires.

Figure 11: Northwest Ohio Projections to 2014 by Occupational Group

Occupational Group	2004 Annual Empl.	2014 Proj. Empl.	Change in Employment		Avg. Ann. Openings
			2004-2014	Percent	
Total, All Occupations	474,600	501,400	26,800	5.6%	14,109
Management Occupations	24,780	25,500	720	2.9%	453
Business and Financial Operations Occupations	15,620	17,460	1,840	11.8%	468
Computer and Mathematical Occupations	4,220	4,920	700	16.6%	127
Architecture and Engineering Occupations	7,350	7,630	280	3.8%	202
Life, Physical, and Social Science Occupations	3,070	3,350	280	9.1%	100
Community and Social Services Occupations	7,190	8,120	930	12.9%	230
Legal Occupations	2,570	2,800	230	8.9%	53
Education, Training, and Library Occupations	23,520	25,080	1,560	6.6%	669
Arts, Design, Entertainment, Sports, & Media Occ.	6,460	6,960	500	7.7%	169
Healthcare Occupations, total	43,140	53,540	10,400	24.1%	1,810
Protective Service Occupations	8,180	8,640	460	5.6%	283
Food Preparation and Serving Related Occupations	39,170	41,900	2,730	7.0%	1,785
Building & Grounds Cleaning & Maintenance Occup.	15,920	17,600	1,680	10.6%	488
Personal Care and Service Occupations	13,840	15,820	1,980	14.3%	544
Sales and Related Occupations	47,860	49,410	1,550	3.2%	1,757
Office and Administrative Support Occupations	66,150	66,370	220	0.3%	1,576
Farming, Fishing, and Forestry Occupations	1,520	1,490	-30	-2.0%	41
Construction and Extraction Occupations	21,670	23,390	1,720	7.9%	588
Installation, Maintenance, and Repair Occupations	21,800	22,590	790	3.6%	569
Production Occupations	61,390	57,900	-3,490	-5.7%	1,490
Transportation and Material Moving Occupations	39,150	40,980	1,830	4.7%	1,069

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 20 average annual openings. There are about 100 such occupations identified for Northwest Ohio. Figure 12 shows these high prospect occupations arranged by required education and training.

Figure 12: High Prospect Occupations in Northwest 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	1,110	1,260	150	13.5%	36	\$13.67
43-4111	Interviewers, except Eligibility and Loan	930	1,080	150	16.1%	39	\$14.22
43-5052	Postal Service Mail Carriers	1,160	1,100	-60	-5.2%	36	\$22.26
43-5061	Production, Planning, and Expediting Clerks	1,000	1,020	20	2.0%	26	\$18.28
43-5071	Shipping, Receiving, and Traffic Clerks	2,600	2,600	0	0.0%	53	\$13.10
51-9111	Packaging & Filling Machine Operators/Tenders	1,480	1,380	-100	-6.8%	29	\$13.00
53-3022	Bus Drivers, School	1,210	1,250	40	3.3%	30	\$12.75
53-3033	Truck Drivers, Light or Delivery Services	3,660	3,970	310	8.5%	65	\$13.42
53-7051	Industrial Truck and Tractor Operators	3,260	3,390	130	4.0%	75	\$16.78
53-7062	Laborers/Freight/Stock/Material Movers, Hand	10,670	10,830	160	1.5%	365	\$12.51
Occupations Requiring Moderate-Term On-the-Job Training (one to twelve months combined experience/training)							
21-1093	Social and Human Service Assistants	740	920	180	24.3%	31	\$12.59
29-2052	Pharmacy Technicians	590	740	150	25.4%	23	\$12.66
31-9091	Dental Assistants	950	1,340	390	41.1%	65	\$13.18
31-9092	Medical Assistants	1,580	2,340	760	48.1%	105	\$12.62
41-2022	Parts Salespersons	770	650	-120	-15.6%	22	\$12.03
41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	5,050	5,490	440	8.7%	177	\$29.37
43-3021	Billing & Posting Clerks & Machine Operators	2,270	2,290	20	0.9%	41	\$13.40
43-3031	Bookkeeping, Accounting, and Auditing Clerks	5,620	5,570	-50	-0.9%	105	\$14.21
43-3051	Payroll and Timekeeping Clerks	820	940	120	14.6%	34	\$14.07
43-4051	Customer Service Representatives	5,460	6,060	600	11.0%	141	\$13.66
43-6011	Executive Secretaries & Administrative Assistants	3,930	4,110	180	4.6%	93	\$17.85
43-6014	Secretaries, except Legal, Medical & Executive	5,570	5,140	-430	-7.7%	107	\$13.70
45-2091	Agricultural Equipment Operators	740	710	-30	-4.1%	21	\$13.16
47-2061	Construction Laborers	2,770	2,770	0	0.0%	37	\$17.95
47-2073	Operating Engineers & Other Con. Equip. Op.	1,490	1,660	170	11.4%	55	\$22.10
47-2141	Painters, Construction and Maintenance	1,080	1,180	100	9.3%	26	\$18.81
49-9042	Maintenance and Repair Workers, General	7,190	7,510	320	4.5%	170	\$17.19
51-2092	Team Assemblers	6,230	6,130	-100	-1.6%	161	\$13.87
51-4011	Computer-Controlled Machine Tool Oper., M/P	1,720	1,640	-80	-4.7%	28	\$14.40
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	2,390	2,000	-390	-16.3%	55	\$14.35
51-4072	Molding/Coremaking/Casting Mach. S/O/T, M/P	1,750	1,470	-280	-16.0%	43	\$13.87
51-7042	Woodworking Machine Setters, O/T, ex. Sawing	1,210	1,040	-170	-14.0%	32	\$12.68
51-9023	Mixing/Blending Mach. Setter/Operator/Tenders	770	740	-30	-3.9%	20	\$15.65
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	3,640	3,360	-280	-7.7%	83	\$18.45
51-9121	Coating/Painting/Spraying Machine Setters, O/T	830	710	-120	-14.5%	22	\$14.26
53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,250	8,070	820	11.3%	201	\$19.15
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training)							
33-2011	Fire Fighters	990	1,060	70	7.1%	36	\$16.63
33-3051	Police and Sheriff's Patrol Officers	2,030	2,070	40	2.0%	57	\$20.97
47-2031	Carpenters	3,260	3,630	370	11.3%	90	\$18.54

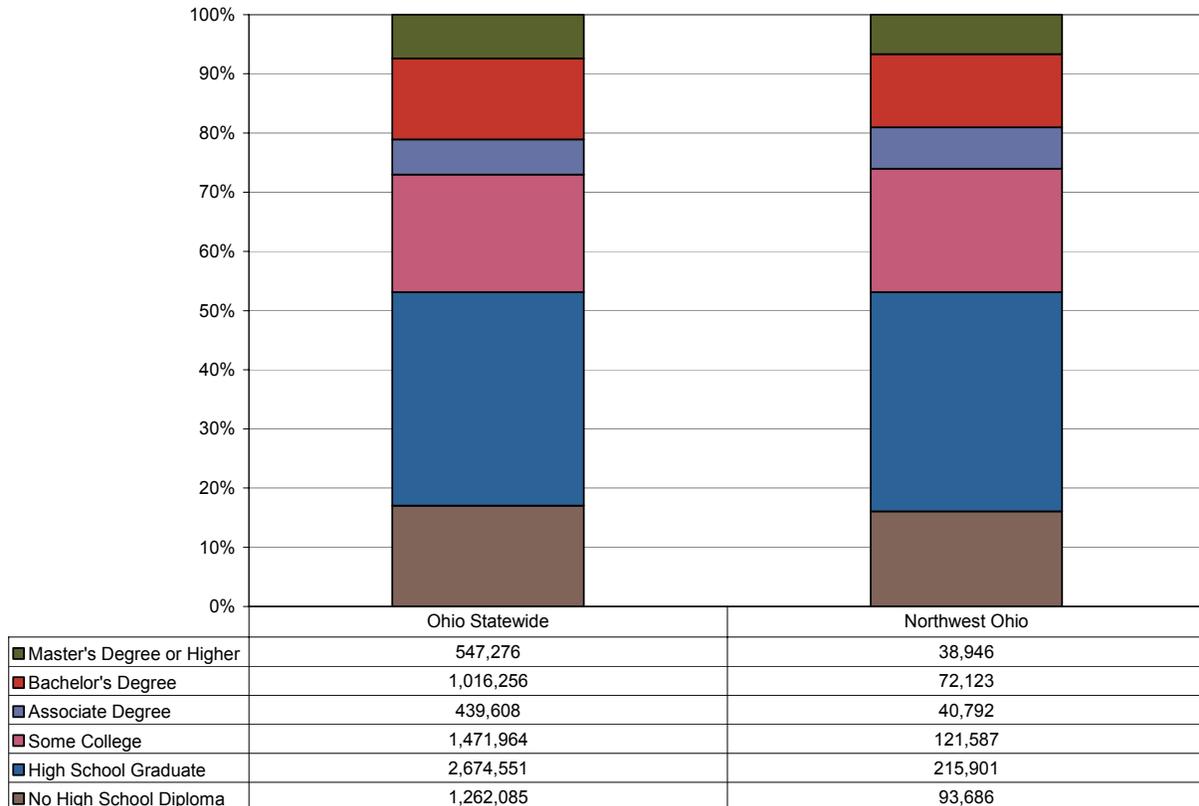
Code	Occupational Title**	Employment		Change in Employment		Avg. Ann. Openings	2006 Avg. Wage*
		2004 Annual	2014 Projected	2004 - 2014	Percent		
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training) [con't]							
47-2111	Electricians	3,180	3,330	150	4.7%	78	\$25.58
47-2152	Plumbers, Pipefitters and Steamfitters	1,730	1,940	210	12.1%	61	\$26.44
47-2211	Sheet Metal Workers	780	870	90	11.5%	28	\$25.52
49-3021	Automotive Body and Related Repairers	810	860	50	6.2%	22	\$16.92
49-9041	Industrial Machinery Mechanics	1,180	1,140	-40	-3.4%	24	\$23.84
51-4041	Machinists	2,880	2,980	100	3.5%	77	\$16.04
51-4111	Tool and Die Makers	1,450	1,360	-90	-6.2%	33	\$24.37
51-4121	Welders, Cutters, Solderers, and Brazers	1,400	1,330	-70	-5.0%	39	\$18.22
Occupations Requiring Work Experience in a Related Occupation							
11-9051	Food Service Managers	1,280	1,340	60	4.7%	27	\$22.30
13-1023	Purchasing Agents, ex. Whole., Retail, & Farm	830	830	0	0.0%	21	\$22.78
13-1051	Cost Estimators	900	1,040	140	15.6%	34	\$26.24
25-3021	Self-Enrichment Education Teachers	700	820	120	17.1%	21	\$12.96
35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	3,040	3,270	230	7.6%	95	\$12.15
37-1011	FL Sup/Mgrs of Housekeeping & Janitorial Workers	580	660	80	13.8%	22	\$13.78
39-1021	First-Line Sup/Mgrs of Personal Serv. Workers	1,100	1,280	180	16.4%	46	\$15.50
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	5,260	5,120	-140	-2.7%	95	\$19.44
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	1,460	1,480	20	1.4%	30	\$33.31
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	3,070	3,150	80	2.6%	74	\$20.83
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	1,560	1,700	140	9.0%	41	\$31.91
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	1,840	1,920	80	4.3%	54	\$25.93
51-1011	FL Sup/Mgrs of Production/Operating Workers	3,990	3,830	-160	-4.0%	84	\$24.97
53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	1,070	1,110	40	3.7%	29	\$18.36
53-1031	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	750	840	90	12.0%	27	\$24.40
Occupations Requiring Postsecondary Vocational Training							
29-2041	Emergency Medical Technicians & Paramedics	1,160	1,400	240	20.7%	37	\$12.42
29-2061	Licensed Practical & Licensed Vocat. Nurses	3,380	3,710	330	9.8%	107	\$18.22
31-9011	Massage Therapists	500	690	190	38.0%	29	\$15.19
31-9094	Medical Transcriptionists	530	640	110	20.8%	21	\$14.14
43-6013	Medical Secretaries	1,970	2,250	280	14.2%	66	\$13.33
49-3023	Automotive Service Technicians and Mechanics	2,750	3,000	250	9.1%	98	\$16.09
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	1,000	1,080	80	8.0%	34	\$17.72
Occupations Requiring an Associate Degree							
15-1041	Computer Support Specialists	930	1,010	80	8.6%	20	\$17.95
29-1111	Registered Nurses†	9,550	11,850	2,300	24.1%	430	\$25.88
29-1126	Respiratory Therapists	700	880	180	25.7%	41	\$21.63
29-2012	Medical and Clinical Laboratory Technicians	470	580	110	23.4%	24	\$16.33
29-2021	Dental Hygienists	510	720	210	41.2%	25	\$26.66
29-2034	Radiologic Technologists and Technicians	790	960	170	21.5%	32	\$22.08
29-2071	Medical Records & Health Info. Technicians	860	1,060	200	23.3%	32	\$14.26
Occupations Requiring a Bachelor's Degree							
11-9021	Construction Managers	820	890	70	8.5%	22	\$45.64
13-2011	Accountants and Auditors	3,490	3,880	390	11.2%	105	\$27.12
15-1031	Computer Software Engineers, Applications	390	580	190	48.7%	23	\$33.13
15-1071	Network and Computer Systems Administrators	560	700	140	25.0%	20	\$27.44
17-2112	Industrial Engineers	1,050	1,140	90	8.6%	35	\$31.25
17-2141	Mechanical Engineers	930	950	20	2.2%	27	\$29.01
19-3021	Market Research Analysts	640	740	100	15.6%	27	\$25.09

Code	Occupational Title**	Employment		Change in Employment		Avg. Ann. Openings	2006 Avg. Wage*
		2004 Annual	2014 Projected	2004 - 2014	Percent		
Occupations Requiring a Bachelor's Degree [con't]							
21-1021	Child, Family and School Social Workers	730	800	70	9.6%	20	\$15.81
25-2021	Elementary School Teachers, ex.Special Ed.†	4,220	4,360	140	3.3%	107	\$42,427
25-2022	Middle School Teachers, ex. Special & Voc. Ed.†	2,380	2,450	70	2.9%	63	\$51,637
25-2031	Secondary Sch. Teachers, ex. Spec. & Voc. Ed.†	3,920	4,050	130	3.3%	118	\$49,638
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.†	710	830	120	16.9%	29	\$41,499
25-2043	Special Education Teachers, Secondary School†	730	770	40	5.5%	21	\$46,496
29-2011	Medical and Clinical Laboratory Technologists	640	730	90	14.1%	26	\$24.42
41-3021	Insurance Sales Agents	1,200	1,400	200	16.7%	49	\$28.85
Occupations Requiring Work Experience plus a Bachelor's Degree							
11-1011	Chief Executives	1,310	1,390	80	6.1%	33	\$70.41
11-1021	General and Operations Managers	4,680	5,120	440	9.4%	132	\$45.36
11-2022	Sales Managers	790	870	80	10.1%	23	\$36.81
11-3031	Financial Managers	970	1,050	80	8.2%	22	\$45.18
11-9032	Education Admin., Elem. & Secondary School†	850	860	10	1.2%	22	\$66,553
11-9111	Medical and Health Services Managers	840	1,000	160	19.0%	32	\$33.34
Occupations Requiring a Master's Degree							
21-1012	Educational, Vocational, & School Counselors	730	770	40	5.5%	21	\$26.75
29-1123	Physical Therapists	570	760	190	33.3%	25	\$36.37
Occupations Requiring a First Professional Degree							
23-1011	Lawyers	1,430	1,550	120	8.4%	30	\$45.13
29-1051	Pharmacists	780	930	150	19.2%	30	\$39.28
*May 2005 wages aged to April 2006. Wages in <i>italics</i> are statewide figures because EDR wages were unavailable.							
**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							
‡Training requirements may be met through a two-year associate's degree; a three-year diploma; or a four-year bachelor's degree.							
Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, 2007a.							

IV. Education & Training

Educational Attainment. Figure 13 shows educational attainment for persons 25 and older in this region, according to data from the 2000 decennial census. While Northwest Ohio has a slightly similar educational profile to that of the rest of the state, this region has a lower level of overall education attainment than Ohio. About 26.0 percent of adults in this EDR have an associate's degree or better, compared with 27.0 percent statewide.

Figure 13: Educational Attainment, 2000



Degree Completions. There are 23 postsecondary training providers in Northwest Ohio offering almost 1,700 different programs: 6 public adult schools with occupational programs; 10 two-year technical and community colleges; 5 four-year colleges and universities; and two private technical schools. From 2005 to 2006, the number of postsecondary awards completed in the region increased by nearly 600 (4.5%). Across Ohio, growth was 3.7 percent. Most growth was seen in associate's degrees, bachelors degrees and postsecondary award programs less than two years long. Details on educational institutions and program completers are available in Appendices E and F, respectively.

Figure 14: Degree Completions in Northwest Ohio

Award Type	2005	2006	Net Growth
Postsec. Awards; < 2 yrs.	1,617	1,874	257
Associate's Degrees	2,276	2,532	256
Bachelor's Degrees	6,450	6,658	208
Master's Degrees	2,036	1,831	-205
Doctor's Degrees	168	189	21
First-Professional Degrees	319	368	49
All Other Awards	90	92	2
Totals	12,956	13,544	588

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 facing page ranks all 35 skills by the projected need for training and gives several importance measures for both Northwest Ohio and the entire state. The first, supply rank, ranks the skills based on how many jobs in 2004 require each. Percent demand gives the proportion of average annual openings 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.

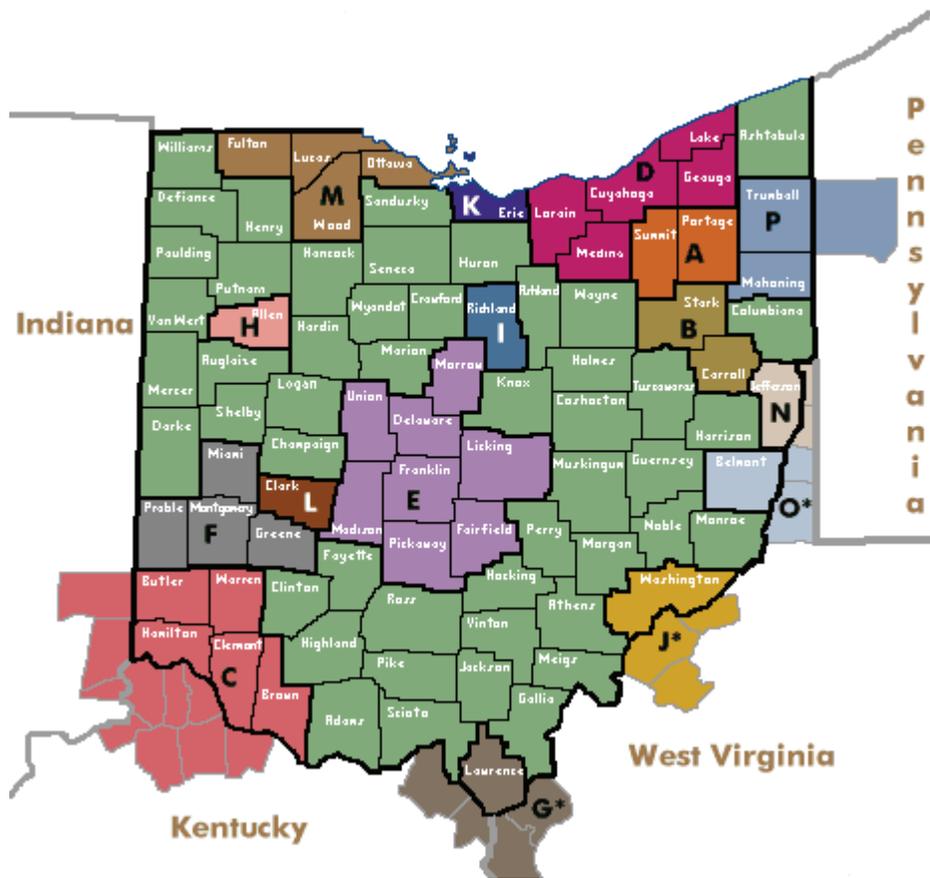
The most important skill in Northwest Ohio in 2014 will be reading comprehension. Nearly half of all openings from 2004 to 2014 will require proficiency in that skill. It is also projected to have the largest gap between supply and demand. There are several other highly-ranked skills related to literacy and communication, including active listening, speaking and writing, indicating the need for a highly-literate workforce in Northwest Ohio. These trends can also be found statewide.

Even though employment in goods-producing industries is on the decline in Northwest Ohio, projected demand for many production-related skills is stronger in this region than across Ohio. Equipment maintenance; operation and control; and operation monitoring will each be required in a greater proportion of projected openings through 2014. However, each of these skills also have relatively high replacement indices, reflecting poor net job growth in these trades.

Figure 15: Projected Skills Needs for 2014

Skill	Northwest Ohio				Ohio	
	Supply Rank	Percent Demand	Gap Index	Repl. Index	Percent Demand	Gap Index
Reading Comprehension	1	49.6%	100	68	48.3%	100
Active Listening	2	46.4%	97	69	46.6%	97
Speaking	4	38.5%	94	66	38.4%	91
Critical Thinking	3	41.8%	91	68	41.9%	94
Coordination	6	36.6%	89	66	36.8%	89
Active Learning	5	37.1%	86	68	37.4%	86
Monitoring	8	34.1%	83	67	34.3%	83
Writing	9	33.2%	80	66	33.6%	80
Time Management	10	32.0%	77	66	31.6%	74
Instructing	7	35.3%	74	67	34.1%	77
Social Perceptiveness	12	28.9%	71	65	28.6%	69
Learning Strategies	11	31.7%	69	67	31.3%	71
Service Orientation	13	25.4%	66	64	25.4%	66
Judgment and Decision Making	14	23.0%	63	66	23.6%	63
Persuasion	15	21.7%	60	68	22.2%	60
Complex Problem Identification	16	20.8%	57	68	21.3%	57
Mathematics	17	19.3%	54	66	18.9%	54
Equipment Selection	18	17.4%	51	72	16.0%	51
Negotiation	20	11.2%	49	73	12.0%	49
Management of Personnel Resources	22	9.9%	46	74	10.1%	46
Equipment Maintenance	21	11.0%	43	74	9.3%	34
Management of Financial Resources	28	6.0%	40	70	6.6%	37
Troubleshooting	19	11.2%	37	78	11.0%	43
Installation	24	7.5%	34	76	7.6%	40
Science	30	4.1%	31	62	3.9%	23
Repairing	27	6.2%	29	77	5.9%	20
Operations Analysis	29	4.0%	26	70	5.2%	31
Systems Evaluation	32	3.0%	23	63	4.3%	29
Management of Material Resources	31	3.2%	20	72	3.5%	14
Systems Analysis	34	1.8%	17	62	3.2%	26
Technology Design	33	1.9%	14	61	2.9%	17
Operation and Control	26	6.5%	11	82	5.4%	6
Programming	35	0.5%	9	55	1.0%	9
Operation Monitoring	23	7.7%	6	84	6.8%	3
Quality Control	25	6.0%	3	81	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

Defiance			Percent of workers that work outside the county -		33.4%
			Average commute time in minutes -		19.2
Number of workers 16+ years of age living in Defiance County			19,540		
Commute Out To			Number	Percent	
Williams Co. OH	2,247	11.5%			
Fulton Co. OH	1,270	6.5%			
Henry Co. OH	817	4.2%			
Allen Co. IN	608	3.1%			
DeKalb Co. IN	538	2.8%			
Paulding Co. OH	366	1.9%			
Lucas Co. OH	168	0.9%			
Wood Co. OH	65	0.3%			
Putnam Co. OH	60	0.3%			
Steuben Co. IN	42	0.2%			
			Number of workers 16+ years of age working in Defiance County		19,013
			Commute In From	Number	Percent
			Paulding Co. OH	1,817	9.6%
			Henry Co. OH	1,327	7.0%
			Putnam Co. OH	875	4.6%
			Williams Co. OH	677	3.6%
			Lucas Co. OH	234	1.2%
			Fulton Co. OH	217	1.1%
			Wood Co. OH	172	0.9%
			Allen Co. IN	156	0.8%
			Allen Co. OH	147	0.8%
			Van Wert Co. OH	54	0.3%

Erie			Percent of workers that work outside the county -		25.3%
			Average commute time in minutes -		18.8
Number of workers 16+ years of age living in Erie County			37,016		
Commute Out To			Number	Percent	
Lorain Co. OH	3,923	10.6%			
Huron Co. OH	2,358	6.4%			
Cuyahoga Co. OH	985	2.7%			
Sandusky Co. OH	768	2.1%			
Ottawa Co. OH	530	1.4%			
Lucas Co. OH	183	0.5%			
Seneca Co. OH	89	0.2%			
Richland Co. OH	63	0.2%			
Wood Co. OH	60	0.2%			
Summit Co. OH	39	0.1%			
			Number of workers 16+ years of age working in Erie County		37,497
			Commute In From	Number	Percent
			Huron Co. OH	4,048	10.8%
			Sandusky Co. OH	1,659	4.4%
			Lorain Co. OH	1,594	4.3%
			Ottawa Co. OH	1,107	3.0%
			Seneca Co. OH	317	0.8%
			Cuyahoga Co. OH	286	0.8%
			Richland Co. OH	94	0.3%
			Hamilton Co. OH	80	0.2%
			Lucas Co. OH	71	0.2%
			Summit Co. OH	47	0.1%

Fulton			Percent of workers that work outside the county -		39.0%
			Average commute time in minutes -		21.3
Number of workers 16+ years of age living in Fulton County			20,855		
Commute Out To			Number	Percent	
Lucas Co. OH	5,203	24.9%			
Williams Co. OH	677	3.2%			
Henry Co. OH	659	3.2%			
Wood Co. OH	622	3.0%			
Lenawee Co. MI	233	1.1%			
Defiance Co. OH	217	1.0%			
Monroe Co. MI	122	0.6%			
Wayne Co. MI	30	0.1%			
Hillsdale Co. MI	29	0.1%			
Sandusky Co. OH	29	0.1%			
			Number of workers 16+ years of age working in Fulton County		21,516
			Commute In From	Number	Percent
			Henry Co. OH	1,981	9.2%
			Lucas Co. OH	1,957	9.1%
			Williams Co. OH	1,810	8.4%
			Defiance Co. OH	1,270	5.9%
			Lenawee Co. MI	639	3.0%
			Wood Co. OH	269	1.3%
			Hillsdale Co. MI	156	0.7%
			Paulding Co. OH	134	0.6%
			Monroe Co. MI	87	0.4%
			Sandusky Co. OH	72	0.3%

Henry			Percent of workers that work outside the county -			43.0%					
			Average commute time in minutes -			21.4					
Number of workers 16+ years of age living in Henry County			13,911			Number of workers 16+ years of age working in Henry County			11,170		
Commute Out To		Number	Percent	Commute In From		Number	Percent				
Fulton Co. OH	1,981	14.2%	Defiance Co. OH	817	7.3%						
Defiance Co. OH	1,327	9.5%	Fulton Co. OH	659	5.9%						
Lucas Co. OH	952	6.8%	Williams Co. OH	406	3.6%						
Wood Co. OH	865	6.2%	Lucas Co. OH	365	3.3%						
Williams Co. OH	295	2.1%	Wood Co. OH	359	3.2%						
Hancock Co. OH	189	1.4%	Putnam Co. OH	206	1.8%						
Putnam Co. OH	138	1.0%	Paulding Co. OH	105	0.9%						
Allen Co. OH	38	0.3%	Hancock Co. OH	43	0.4%						
Lenawee Co. MI	23	0.2%	Seneca Co. OH	34	0.3%						
Monroe Co. MI	18	0.1%	Webb Co. TX	26	0.2%						

Lucas			Percent of workers that work outside the county -			15.5%					
			Average commute time in minutes -			20.5					
Number of workers 16+ years of age living in Lucas County			207,585			Number of workers 16+ years of age working in Lucas County			226,840		
Commute Out To		Number	Percent	Commute In From		Number	Percent				
Wood Co. OH	17,054	8.2%	Wood Co. OH	19,504	8.6%						
Monroe Co. MI	4,456	2.1%	Monroe Co. MI	12,654	5.6%						
Fulton Co. OH	1,957	0.9%	Fulton Co. OH	5,203	2.3%						
Wayne Co. MI	1,906	0.9%	Ottawa Co. OH	3,418	1.5%						
Washtenaw Co. MI	867	0.4%	Lenawee Co. MI	1,557	0.7%						
Ottawa Co. OH	738	0.4%	Sandusky Co. OH	1,537	0.7%						
Lenawee Co. MI	583	0.3%	Henry Co. OH	952	0.4%						
Hancock Co. OH	514	0.2%	Wayne Co. MI	922	0.4%						
Sandusky Co. OH	418	0.2%	Hancock Co. OH	607	0.3%						
Oakland Co. MI	375	0.2%	Seneca Co. OH	480	0.2%						

Ottawa			Percent of workers that work outside the county -			43.8%					
			Average commute time in minutes -			22.5					
Number of workers 16+ years of age living in Ottawa County			19,434			Number of workers 16+ years of age working in Ottawa County			15,208		
Commute Out To		Number	Percent	Commute In From		Number	Percent				
Lucas Co. OH	3,418	17.6%	Sandusky Co. OH	1,426	9.4%						
Wood Co. OH	1,652	8.5%	Wood Co. OH	760	5.0%						
Sandusky Co. OH	1,299	6.7%	Lucas Co. OH	738	4.9%						
Erie Co. OH	1,107	5.7%	Erie Co. OH	530	3.5%						
Cuyahoga Co. OH	155	0.8%	Seneca Co. OH	177	1.2%						
Huron Co. OH	151	0.8%	Huron Co. OH	111	0.7%						
Monroe Co. MI	90	0.5%	Monroe Co. MI	68	0.4%						
Seneca Co. OH	81	0.4%	Hancock Co. OH	50	0.3%						
Wayne Co. MI	75	0.4%	Lorain Co. OH	43	0.3%						
Lorain Co. OH	71	0.4%	Franklin Co. OH	32	0.2%						

Sandusky			Percent of workers that work outside the county - 31.1%		
			Average commute time in minutes - 19.4		
Number of workers 16+ years of age living in Sandusky County 29,971			Number of workers 16+ years of age working in Sandusky County 28,184		
Commute Out To	Number	Percent	Commute In From	Number	Percent
Erie Co. OH	1,659	5.5%	Seneca Co. OH	2,735	9.7%
Lucas Co. OH	1,537	5.1%	Ottawa Co. OH	1,299	4.6%
Ottawa Co. OH	1,426	4.8%	Huron Co. OH	1,025	3.6%
Wood Co. OH	1,408	4.7%	Erie Co. OH	768	2.7%
Huron Co. OH	1,305	4.4%	Wood Co. OH	587	2.1%
Seneca Co. OH	1,217	4.1%	Lucas Co. OH	418	1.5%
Hancock Co. OH	191	0.6%	Hancock Co. OH	126	0.4%
Fulton Co. OH	72	0.2%	Lorain Co. OH	71	0.3%
Cuyahoga Co. OH	59	0.2%	Franklin Co. OH	51	0.2%
Monroe Co. MI	44	0.1%	Wyandot Co. OH	45	0.2%

Williams			Percent of workers that work outside the county - 23.7%		
			Average commute time in minutes - 18.0		
Number of workers 16+ years of age living in Williams County 19,641			Number of workers 16+ years of age working in Williams County 19,714		
Commute Out To	Number	Percent	Commute In From	Number	Percent
Fulton Co. OH	1,810	9.2%	Defiance Co. OH	2,247	11.4%
Defiance Co. OH	677	3.4%	Fulton Co. OH	677	3.4%
Steuben Co. IN	505	2.6%	Hillsdale Co. MI	408	2.1%
DeKalb Co. IN	467	2.4%	Henry Co. OH	295	1.5%
Henry Co. OH	406	2.1%	Paulding Co. OH	280	1.4%
Lucas Co. OH	185	0.9%	Lucas Co. OH	211	1.1%
Hillsdale Co. MI	161	0.8%	Steuben Co. IN	153	0.8%
Allen Co. IN	133	0.7%	DeKalb Co. IN	94	0.5%
Lenawee Co. MI	49	0.2%	Lenawee Co. MI	61	0.3%
Paulding Co. OH	34	0.2%	Allen Co. IN	57	0.3%

Wood			Percent of workers that work outside the county - 44.3%		
			Average commute time in minutes - 20.1		
Number of workers 16+ years of age living in Wood County 61,207			Number of workers 16+ years of age working in Wood County 60,992		
Commute Out To	Number	Percent	Commute In From	Number	Percent
Lucas Co. OH	19,504	31.9%	Lucas Co. OH	17,054	28.0%
Hancock Co. OH	2,177	3.6%	Ottawa Co. OH	1,652	2.7%
Seneca Co. OH	889	1.5%	Hancock Co. OH	1,603	2.6%
Ottawa Co. OH	760	1.2%	Sandusky Co. OH	1,408	2.3%
Sandusky Co. OH	587	1.0%	Seneca Co. OH	1,019	1.7%
Monroe Co. MI	384	0.6%	Henry Co. OH	865	1.4%
Henry Co. OH	359	0.6%	Monroe Co. MI	778	1.3%
Wayne Co. MI	307	0.5%	Fulton Co. OH	622	1.0%
Fulton Co. OH	269	0.4%	Lenawee Co. MI	128	0.2%
Defiance Co. OH	172	0.3%	Putnam Co. OH	109	0.2%

Source: U.S. Census Bureau, 2004.

Appendix D: Major Employers by County

Defiance	
Defiance City Board of Education	Government
Defiance Clinic	Health Care
Defiance Metal Products	Manufacturing
Defiance Precision Products	Manufacturing
Defiance Regional Medical Center	Health Care
General Motors Corp.	Manufacturing
Johns Manville Corp.	Manufacturing
Meijer, Inc.	Retail
Parker Hannifin Corp.	Manufacturing
Sears Holdings/Kmart Corp.	Retail
Erie	
Cedar Fair/Cedar Point	Recreation
Delphi Corp.	Manufacturing
Firelands Regional Medical Center	Health Care
Ford Motor Co./ACH	Manufacturing
Freudenberg NOK	Manufacturing
International Automotive Components	Manufacturing
Kalahari Resorts	Recreation
Meijer, Inc.	Retail
Sandusky City Board of Education	Government
State of Ohio	Government
Fulton	
Dana Corp.	Manufacturing
Fulton County Government	Government
Fulton County Health Center	Health Care
International Automotive Components	Manufacturing
ITT Industries, Inc.	Manufacturing
North Star BlueScope Steel, LLC	Manufacturing
Sauder Woodworking Co.	Manufacturing
TRW Automotive	Manufacturing
Henry	
Alex Products	Manufacturing
Campbell Soup Co.	Manufacturing
Deshler Group/Claud Sintz, Inc.	Manufacturing
Filling Memorial Home of Mercy	Health Care
Henry County Hospital	Health Care
Lutheran Home at Napoleon	Health Care
Napoleon Area Board of Education	Government
Silgan Holdings, Inc.	Manufacturing
Tenneco, Inc.	Manufacturing
Wal-Mart Stores, Inc.	Retail
Lucas	
Andersons, Inc.	Retail
Carlyle Group/HCR Manor Care	Health Care
Chrysler LLC	Manufacturing
City of Toledo	Government
Dana Corp.	Manufacturing
General Motors Corp.	Manufacturing
Libbey, Inc.	Manufacturing
Lucas County Government	Government
Mercy Health Partners	Health Care
Owens Corning	Manufacturing
Promedica Health System	Health Care
Toledo City Board of Education	Government
United Parcel Service, Inc.	Transportation
University of Toledo	Education

Ottawa	
Benton-Carroll-Salem Local Board of Education	Government
Brush Wellman, Inc.	Manufacturing
FirstEnergy Corp.	Utilities
Luther Home of Mercy	Health Care
Magruder Hospital	Health Care
Ottawa County Government	Government
Port Clinton City Board of Education	Government
Silgan Holdings, Inc.	Manufacturing
USG Corp./U.S. Gypsum Co.	Manufacturing
Sandusky	
Atlas Industries	Manufacturing
Bellevue Hospital	Health Care
Crown Battery	Manufacturing
Eaton INOAC	Manufacturing
Fremont City Board of Education	Government
H.J. Heinz Co.	Manufacturing
Memorial Hospital	Health Care
Poly-Foam International/Style Crest	Manufacturing
Revere Plastics, Inc.	Manufacturing
Sandusky County Government	Government
Whirlpool Corp.	Manufacturing
Williams	
Allied Moulded Products, Inc.	Manufacturing
Bryan City Board of Education	Government
Community Hospitals	Health Care
Ingersoll-Rand Co.	Manufacturing
ITW/Tomco Plastics	Manufacturing
Kumi Kasei/KAMCO Industries	Manufacturing
Letts Industries/Powers & Sons	Manufacturing
Midwest Stamping Co.	Manufacturing
Ohio Art Co.	Manufacturing
Spangler Candy Co.	Manufacturing
Titan Tire Co.	Manufacturing
Wood	
Bowling Green State University	Education
Chrysler LLC	Manufacturing
Cooper Standard Automotive, Inc.	Manufacturing
First Solar, Inc.	Manufacturing
Great Lakes Window, Inc.	Manufacturing
Magna International/Norplas, Inc.	Manufacturing
Owens Community College	Education
Owens-Illinois, Inc.	Manufacturing
Perrysburg Exempted Village Board of Education	Government
Rudolph-Libbe Companies	Construction
Walgreen Co.	Retail
Wood County Government	Government
Wood County Hospital Association	Health Care

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

Appendix E: Postsecondary Institutions

Name	Type	Address	Telephone	URL
Bowling Green State University-Firelands	Two-Year	One University Drive, Huron, OH 44839	(419) 433-5560	www.firelands.bgsu.edu
Bowling Green State University-Main Campus	Four-Year	220 McFall Ctr, Bowling Green, OH 43403	(419) 372-2531	www.bgsu.edu
Davis College	Two-Year	4747 Monroe St, Toledo, OH 43623	(419) 473-2700	www.daviscollege.edu
Defiance College	Four-Year	701 N Clinton, Defiance, OH 43512	(419) 784-4010	www.defiance.edu
Ehove Career Center	Pub. Adult Sch.	316 W Mason Rd, Milan, OH 44846	(419) 499-4663	www.ehove.net
Firelands Regional Medical Center School of Nursing	Two-Year	1912 Hayes Ave, Sandusky, OH 44870	(419) 557-7111	www.firelands.com
Healing Arts Institute	Priv. Bus. & Tech.	340 Three Meadows Dr, Perrysburg, OH 43551	(419) 874-4496	www.haiohio.com
ITT Technical Institute-Maumee	Two-Year	1656 Henthorne Blvd. - Suite B, Maumee, OH 43537	(419) 861-6500	www.itt-tech.edu
Lourdes College	Four-Year	6832 Convent Blvd, Sylvania, OH 43560	(419) 885-3211	www.lourdes.edu
Mercy College of Northwest Ohio	Four-Year	2221 Madison Avenue, Toledo, OH 43604	(419) 251-1313	www.mercycollege.edu
Northwest State Community College	Two-Year	22600 State Route 34, Archbold, OH 43502	(419) 267-5511	www.northweststate.edu
Oregon Career Center	Pub. Adult Sch.	5721 Seaman St, Oregon, OH 43616	(419) 697-3450	www.oregon.k12.oh.us/pages/adulted.html
Owens Community College	Two-Year	30335 Oregon Rd, Perrysburg, OH 43551	(567) 661-7000	www.owens.edu
Penta County Joint Vocational School	Pub. Adult Sch.	30095 Oregon Rd, Perrysburg, OH 43551	(419) 666-1120	www.pentacareercenter.org
Professional Skills Institute	Two-Year	20 Arco Dr, Toledo, OH 43607	(419) 531-9610	www.proskills.com
Sandusky Career Center	Pub. Adult Sch.	2130 Hayes Ave, Sandusky, OH 44870	(419) 625-9294	www.sanduskycareercenter.org
Stautzenberger College	Two-Year	5355 Southwyck Blvd, Toledo, OH 43614	(419) 866-0261	www.sctoday.edu
Terra State Community College	Two-Year	2830 Napoleon Rd, Fremont, OH 43420	(419) 334-8400	www.terra.edu
Toledo Academy of Beauty Culture-East	Two-Year	2592 Woodville Rd, Northwood, OH 43619	(419) 693-7257	
Toledo Academy of Beauty Culture-North	Priv. Bus. & Tech.	5020 Lewis Ave, Toledo, OH 43612	(419) 478-5325	
Toledo Academy of Beauty Culture-South	Two-Year	1554 S Byrne Rd Glenbyrne Ctr, Toledo, OH 43614	(419) 381-7218	
Toledo School of Practical Nursing	Pub. Adult Sch.	1530 N Superior Street, Toledo, OH 43604	(419) 671-8706	www.tps.org
University of Toledo-Health Science Campus	Four-Year	3000 Arlington Ave, Toledo, OH 43614	(419) 383-4191	hsc.utoledo.edu
University of Toledo-Main Campus	Four-Year	2801 W Bancroft, Toledo, OH 43606	(419) 530-4636	www.utoledo.edu/
Vanguard Career Center	Pub. Adult Sch.	1306 Cedar St, Fremont, OH 43420	(419) 334-6901	www.vsccl.k12.oh.us

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

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

Appendix F: Degree Completions by Program Class for Economic Development Region 2

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
Agriculture, Agriculture Operations and Related Sciences	16					35				
Natural Resources and Conservation		42					34			
Architecture and Related Services		58					62			
Area, Ethnic, Cultural and Gender Studies		23	15	5			20	15	7	
Communication, Journalism and Related Programs	2	241	12	14		2	253	9	14	
Communications Technologies/Technicians and Support Services	14	1				6	1			
Computer and Information Sciences and Support Services	99	119	49			117	105	37		
Personal and Culinary Services	0					0				
Education	127	1,337	747	29		105	1,330	673	26	
Engineering	19	335	105	20		21	314	57	20	
Engineering Technologies/Technicians	230	222	7			292	232	6		
Foreign Languages, Literatures and Linguistics	5	48	38			6	43	34		
Family and Consumer Sciences/Human Sciences	24	57	5			18	54	2		
Legal Professions and Studies	44	47			151	50	37			139
English Language and Literature/Letters	4	242	51	5		5	274	47	5	
Liberal Arts and Sciences, General Studies and Humanities	150	66	20			158	79	9		
Biological and Biomedical Sciences	3	137	75	21		2	167	38	23	
Mathematics and Statistics	1	32	24	6		2	30	25	10	
Multi/Interdisciplinary Studies	58	183	10	1		39	205	8	4	
Parks, Recreation, Leisure and Fitness Studies		169	30	2			168	41	1	
Philosophy and Religious Studies		34	10	2			44	9	3	
Theology and Religious Vocations							1			
Physical Sciences		40	30	12		1	42	34	23	
Science Technologies/Technicians	1									
Psychology	1	209	49	25		3	198	45	23	
Security and Protective Services	138	167	20			152	213	26		
Public Administration and Social Service Professions	28	107	26			86	73	20		
Social Sciences	24	230	49	5		21	227	42	5	
Precision Production	11					17				
Transportation and Materials Moving		16					32			
Visual and Performing Arts	49	344	60	4		69	391	81	5	
Health Professions and Related Clinical Sciences	715	538	202	7	168	839	606	214	11	229
Business, Management, Marketing and Related Support Services	512	1,316	383	5		482	1,338	334	3	
History	1	90	19	5		4	85	25	6	
Total, All Programs	2,276	6,450	2,036	168	319	2,532	6,658	1,831	189	368

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

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

Office of Workforce Development
P.O. Box 1618
Columbus, OH 43216-1618

**Bureau of Labor Market Information
Business Principles for Workforce Development**

Partner with the workforce and economic development community.

Develop and deploy new information solution tools and systems for the workforce and economic development community.

Provide products that are customer and demand driven.

Be known as an important and reliable source for information solutions that support workforce development goals and outcomes.

The Workforce Research Section, under the direction of Labor Economist Larry Less, was responsible for the composition of this report. Labor Market Analyst Jonathan Calig was primarily responsible for production. Thanks are extended to the many other analysts who developed and reviewed the data presented herein. This publication was prepared under the supervision of Labor Market Information Bureau Chief Keith Ewald and Assistant Bureau Chief Rudy Wilkinson.

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

(10/2007)

ODJFS is an Equal Opportunity Employer and Service Provider

