Ohio County Profiles

Prepared by the Office of Strategic Research

Ohio Department of Development

Region 4

2006 Population: 1,165,796
Land Area: 3,957.1 square miles

Regional Economic Development Office Location:
One Dayton Centre, 1 S Main St, Suite 1440
Dayton, OH 45402-2016
Phone: (937) 285-6185 Fax: (937) 223-3584

Taxes

Taxable value of real property	$20,453,961,750
Residential	$15,253,094,630
Agriculture	$914,331,010
Industrial	$781,796,700
Commercial	$3,504,738,980
Mineral	$430
Ohio income tax liability	$790,439,684
Average per return	$1,487.05

Land Use/Land Cover

	Percent
Urban (Residential/Commercial/Industrial/ Transportation and Urban Grasses)	13.04%
Cropland	63.86%
Pasture	6.09%
Forest	15.71%
Open Water	0.58%
Wetlands (Wooded/Herbaceous)	0.65%
Bare/Mines	0.06%

Largest Areas

	Census 2000	Est. 2006
Dayton, Montgomery Co.	166,179	156,771
Springfield, Clark Co.	65,358	62,844
Kettering, Montgomery Co.	57,502	54,666
Beavercreek, Greene Co.	37,984	39,366
Huber Heights, Mont. Co.	38,212	37,667
Fairborn, Greene Co.	32,052	31,696
Washington twp UB,Mont Co	29,967	29,552
Trotwood, Montgomery Co.	27,420	26,403
Miami twp UB, Mont. Co.	25,706	25,475
Xenia, Greene Co.	24,164	23,438

UB: Unincorporated Balance

Total Population

Census

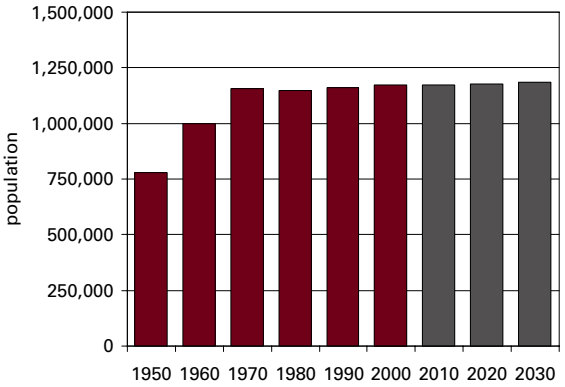
1800		1900	405,517
1810	29,814	1910	446,439
1820	77,441	1920	510,088
1830	114,817	1930	580,015
1840	163,394	1940	615,685
1850	201,931	1950	780,036
1860	243,167	1960	997,477
1870	277,791	1970	1,156,225
1880	329,744	1980	1,146,743
1890	365,012	1990	1,161,351
		2000	1,173,547

Estimated

2001	1,171,013
2002	1,170,110
2003	1,169,291
2004	1,169,041
2005	1,167,058
2006	1,165,796

Projected

2010	1,171,830
2020	1,177,050
2030	1,186,320



Population by Race

	Number	Percent
Total Population	1,173,547	100.0%
White	997,894	85.0%
African-American	137,739	11.7%
Native American	2,909	0.2%
Asian	12,320	1.0%
Pacific Islander	410	0.0%
Other	4,540	0.4%
Two or More Races	17,735	1.5%
Hispanic (may be of any race)	12,065	1.0%
Total Minority	182,409	15.5%

Educational Attainment

	Number	Percent
Persons 25 years and over	765,505	100.0%
No high school diploma	126,778	16.6%
High school graduate	270,949	35.4%
Some college, no degree	162,352	21.2%
Associate degree	51,392	6.7%
Bachelor's degree	95,783	12.5%
Master's degree or higher	58,251	7.6%

Family Type by Employment Status

	Number	Percent
Total Families	316,753	100.0%
Married couple, husband and wife in labor force	133,212	42.1%
Married couple, husband in labor force, wife not	51,217	16.2%
Married couple, wife in labor force, husband not	17,757	5.6%
Married couple, husband and wife not in labor force	43,544	13.7%
Male householder, in labor force	13,483	4.3%
Male householder, not in labor force	3,971	1.3%
Female householder, in labor force	37,252	11.8%
Female householder, not in labor force	16,317	5.2%

Household Income in 1999

	Number	Percent
Total Households	464,158	100.0%
Less than $10,000	39,741	8.6%
$10,000 to $19,999	57,202	12.3%
$20,000 to $29,999	62,877	13.5%
$30,000 to $39,999	61,839	13.3%
$40,000 to $49,999	52,857	11.4%
$50,000 to $59,999	45,814	9.9%
$60,000 to $74,999	51,773	11.2%
$75,000 to $99,999	48,434	10.4%
$100,000 to $149,999	30,510	6.6%
$150,000 to $199,999	6,596	1.4%
$200,000 or more	6,515	1.4%
Median household income	$41,833	

Population by Age

	Number	Percent
Total Population	1,173,547	100.0%
Under 6 years	92,950	7.9%
6 to 17 years	201,551	17.2%
18 to 24 years	113,541	9.7%
25 to 44 years	334,354	28.5%
45 to 64 years	273,263	23.3%
65 years and more	157,888	13.5%
Median Age	36.5	

Family Type by Presence of Own Children Under 18

	Number	Percent
Total Families	316,753	100.0%
Married-couple families with own children	104,869	33.1%
Male householder, no wife present, with own children	9,981	3.2%
Female householder, no husband present, with own children	33,302	10.5%
Families with no own children	168,601	53.2%

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

	Number	Percent
Total Families	316,753	100.0%
Family income above poverty level	294,549	93.0%
Family income below poverty level	22,204	7.0%
Married couple, with related children	3,896	17.5%
Male householder, no wife present, with related children	1,536	6.9%
Female householder, no husband present, with related children	12,251	55.2%
Families with no related children	4,521	20.4%

Ratio of Income in 1999 To Poverty Level

	Number	Percent
Population for whom poverty status is determined	1,140,190	100.0%
Below 50% of poverty level	50,665	4.4%
50% to 99% of poverty level	60,408	5.3%
100% to 149% of poverty level	81,736	7.2%
150% to 199% of poverty level	92,974	8.2%
200% of poverty level or more	854,407	74.9%

Residence in 1995

	Number	Percent
Population 5 years and over	1,096,685	100.0%
Same house in 1995	612,790	55.9%
Different house, same county	298,299	27.2%
Different county, same state	105,576	9.6%
Different state	69,634	6.3%
Puerto Rico or U.S. islands	396	0.0%
Foreign country	9,990	0.9%

Travel Time To Work

	Number	Percent
Workers 16 years and over	556,028	100.0%
Less than 15 minutes	184,831	33.2%
15 to 29 minutes	229,993	41.4%
30 to 44 minutes	80,968	14.6%
45 to 59 minutes	23,426	4.2%
60 minutes or more	22,779	4.1%
Worked at home	14,031	2.5%
Mean travel time	21.3 minutes	

Housing Units

	Number	Percent
Total housing units	498,195	100.0%
Occupied housing units	464,050	93.1%
Owner occupied	318,440	63.9%
Renter occupied	145,610	29.2%
Vacant housing units	34,145	6.9%

Year Structure Built

	Number	Percent
Total housing units	498,195	100.0%
Built 1995 to March 2000	30,563	6.1%
Built 1990 to 1994	24,884	5.0%
Built 1980 to 1989	42,045	8.4%
Built 1970 to 1979	85,683	17.2%
Built 1960 to 1969	86,171	17.3%
Built 1950 to 1959	84,359	16.9%
Built 1940 to 1949	44,436	8.9%
Built 1939 or earlier	100,054	20.1%
Median year built	1967	

Value for Specified Owner-Occupied Housing Units

	Number	Percent
Specified owner-occupied housing units	280,805	100.0%
Less than $20,000	1,688	0.6%
$20,000 to $39,999	8,540	3.0%
$40,000 to $59,999	24,535	8.7%
$60,000 to $79,999	50,629	18.0%
$80,000 to $99,999	60,331	21.5%
$100,000 to $124,999	45,493	16.2%
$125,000 to $149,999	34,797	12.4%
$150,000 to $199,999	32,381	11.5%
$200,000 to $249,999	10,653	3.8%
$250,000 to $499,999	10,555	3.8%
$500,000 to $999,999	935	0.3%
$1,000,000 or more	268	0.1%
Median value	$98,117	

House Heating Fuel

	Number	Percent
Occupied housing units	464,050	100.0%
Utility gas	279,235	60.2%
Bottled, tank or LP gas	33,558	7.2%
Electricity	119,893	25.8%
Fuel oil, kerosene, etc	24,343	5.2%
Coal, coke or wood	3,900	0.8%
Solar energy or other fuel	2,096	0.5%
No fuel used	1,025	0.2%

Gross Rent

	Number	Percent
Specified renter-occupied housing units	142,803	100.0%
Less than $100	2,000	1.4%
$100 to $199	7,111	5.0%
$200 to $299	8,035	5.6%
$300 to $399	17,485	12.2%
$400 to $499	27,689	19.4%
$500 to $599	26,847	18.8%
$600 to $699	19,352	13.6%
$700 to $799	11,903	8.3%
$800 to $899	6,222	4.4%
$900 to $999	3,336	2.3%
$1,000 to $1,499	4,177	2.9%
$1,500 or more	1,321	0.9%
No cash rent	7,325	5.1%
Median gross rent	$519	

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	199,705	100.0%
Less than $400	6,051	3.0%
$400 to $599	22,556	11.3%
$600 to $799	41,852	21.0%
$800 to $999	43,976	22.0%
$1,000 to $1,249	36,816	18.4%
$1,250 to $1,499	21,912	11.0%
$1,500 to $1,999	17,994	9.0%
$2,000 to $2,999	7,035	3.5%
$3,000 or more	1,513	0.8%
Median monthly owners cost	$929	

Median monthly owners cost as a percentage of household income

Vital Statistics

	Number	Rate
Births / rate per 1,000 women aged 15-44	14,899	62.9
Teen births / rate per 1,000 females 15-17	510	21.0
Deaths / rate per 100,000 population	11,361	971.1
Marriages / rate per 1,000 population	7,363	6.3
Divorces / rate per 1,000 population	4,515	3.9

Migration

Agriculture

Land in farms (acres)	1,790,000
Number of farms	8,900
Average size (acres)	201
Total cash receipts	$777,047,000
Per farm	$86,918

Education

Public schools	427
Students (Average Daily Membership)	186,038
Expenditures per student	$9,149
Student-teacher ratio	
Graduation rate	
Teachers (Full Time Equivalent)	10,897.0
Non-public schools	72
Students	17,017
4-year public universites	2
Branches	0
2-year public colleges	3
Private universities and colleges	7
Public libraries (Main / Branches)	27 / 49

Transportation

Registered motor vehicles	1,285,528
Passenger cars	867,901
Noncommercial trucks	196,801
Total license revenue	$32,278,481.55
Interstate highway miles	181.34
Turnpike miles	0.00
U.S. highway miles	400.76
State highway miles	1,221.39
Commercial airports	19

Voting

Number of precincts	1,056
Number of registered voters	784,119
Voted in 2006 election	452,754
Percent turnout	57.7%

Health Care

Physicians (MDs & DOs)	2,695
Registered hospitals	22
Number of beds	4,555
Licensed nursing homes	90
Number of beds	9,449
Licensed residential care	59
Number of beds	4,103
Adults with employer-based insurance	63.9%
Children with employer-based insurance	64.3%

State Parks, Forests, Nature Preserves, And Wildlife Areas

Facilities	41
Acreage	16,369.88

Communications

Television stations	8
Radio stations	34
Daily newspapers	12
Circulation	239,118

Crime

Total crimes reported in Uniform Crime Report	44,209

Finance

FDIC insured financial institutions (HQs)	30
Assets	$6,811,701,000
Branch offices	386
Institutions represented	53

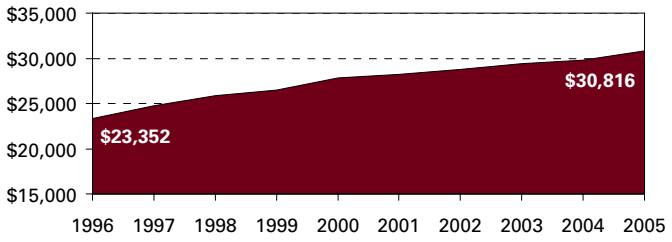
Transfer Payments

Total transfer payments	$6,303,752,000
Payments to individuals	$5,989,838,000
Retirement and disability	$2,520,069,000
Medical payments	$2,576,629,000
Income maintenance (Supplemental SSI, family assistance, food stamps, etc)	$555,550,000
Unemployment benefits	$107,568,000
Veterans benefits	$159,037,000
Federal education and training assistance	$68,330,000
Other payments to individuals	$2,655,000
Total personal income	$35,963,516,000
Depedency ratio	17.5%

Federal Expenditures

Direct expenditures or obligations	$8,909,335,367
Retirement and disability	$3,095,417,986
Other direct payments	$1,448,140,173
Grant awards	$1,357,982,852
Highway planning and construction	$66,910,532
Temporary assistance to needy families	$78,154,517
Medical assistance program	$750,549,304
Procurement contract awards	$1,559,979,507
Dept. of Defense	$1,128,874,362
Salary and wages	$1,447,814,849
Dept. of Defense	$1,106,398,000
Other federal assistance	$1,513,829,533
Direct loans	$42,491,454
Guaranteed loans	$828,208,874
Insurance	$643,129,205

Per Capita Personal Income



Civilian Labor Force

	2002	2003	2004	2005	2006
Civilian labor force	598,500	598,900	599,000	598,800	602,000
Employed	565,100	562,400	563,200	565,700	567,700
Unemployed	33,400	36,500	35,800	33,100	34,300
Unemployment rate	5.6	6.1	6.0	5.5	5.7

Employment and Wages by Sector

NAICS Industrial Sector	Average Annual Employment 2004	Average Annual Employment 2005	Total Wages (in thousands of dollars) 2004	Total Wages (in thousands of dollars) 2005
Total covered under Ohio UC Law	515,975	514,736	$17,990,049	$18,388,340
Private Sector	452,851	452,011	$15,688,898	$16,061,646
Agriculture, forestry, fishing and hunting	889	549	$23,391	$14,203
Mining	135	125	$5,978	$5,489
Utilities	1,098	1,061	$67,268	$73,121
Construction	20,247	19,796	$745,806	$744,876
Manufacturing	93,792	92,850	$4,436,964	$4,469,079
Wholesale trade	19,051	18,144	$822,817	$797,146
Retail trade	58,931	58,261	$1,241,980	$1,251,100
Transportation and warehousing	11,319	12,550	$410,118	$476,803
Information	11,894	11,955	$604,251	$613,599
Finance and insurance	17,313	17,634	$726,792	$775,823
Real estate and rental and leasing	5,776	5,823	$164,501	$162,789
Professional and technical services	19,891	20,970	$1,055,693	$1,139,318
Management of companies and enterprises	6,395	6,762	$533,272	$587,309
Administrative and waste services	29,717	28,677	$624,249	$628,013
Educational services	8,604	8,852	$271,454	$284,552
Health care and social assistance	59,180	62,128	$2,126,723	$2,280,304
Arts, entertainment, and recreation	4,752	4,708	$70,681	$70,430
Accommodation and food services	42,839	42,586	$484,964	$481,380
Other services, except public administration	16,452	16,152	$376,665	$373,460
State and Local Government	63,122	62,725	$2,301,151	$2,326,693
State government	3,039	2,921	$138,260	$138,672
Local government	51,050	50,583	$1,808,470	$1,828,176
Federal Government	18,323	18,282	$1,127,833	$1,147,549

-1 or $0 indicates suppresion for confidentiality

Business Numbers

	2002	2003	2004	2005	2006
Business starts	2,455	2,899	2,348	2,288	2,664
Active businesses	21,331	21,605	21,820	21,928	22,000

Residential Construction

	2002	2003	2004	2005	2006
Total units	4,308	5,102	4,224	4,284	2,937
Total valuation (000)	$559,992	$662,592	$678,634	$697,584	$518,100
Total single-unit bldgs	3,528	3,759	3,566	3,670	2,593
Average cost per unit	$142,471	$146,424	$174,763	$177,500	$189,565
Total multi-unit bldg units	780	1,343	658	614	344
Average cost per unit	$73,533	$83,533	$84,240	$75,180	$77,204

Major Employers

ABX Air Inc	Trans
Emerson Climate Technologies	Mfg
General Motors Corp	Mfg
Goodrich Corp	Mfg
Honda Motor Co Ltd	Mfg
Honeywell International Inc	Mfg
Illinois Tool Works Inc	Mfg
International Truck and Engine Corp	Mfg
KTH Parts Industries Inc	Mfg
NCR Corp	Mfg
Reed Elsevier/LexisNexis	Serv
University of Dayton	Serv
US Federal Government	Govt
Whirlpool Corp/KitchenAid	Mfg
Wright State University	Govt

Region 4
Southwest Central Ohio

Ohio Department of Development

One Dayton Centre
1 S. Main St., Suite 320
Dayton, OH 45402-2016
Phone: (937) 285-6185
Fax: (937) 223-3584

Population (2006): 1,165,796
Area: 3,957.1 sq. mi.

Ohio Department of Development

2007 Ohio Private Investment List

Region	County	Company	City	NAICS	Product	Type	Jobs	Investment	Square Feet	New	Exp
4	Clark	Bob Evans	Springfield	42242	Frozen foods	DW		$9,000,000	67,000		Exp
4	Clark	HEF USA	Springfield	332811	Surface treatments	OF/DW/F	7	$1,500,000	30,000	New	
4	Clark	Logistics Support Management	Mad River Twp	54133	Military equipment	R&D	125	$5,000,000	50,000	New	
4	Clark	Qbase Inc	Springfield	541512	Software	R&D	100	$4,100,000	15,000	New	
4	Clark	MEVA Framework Systems	Springfield	42383	Concrete forms	DW/OF/F	10	$3,300,000	40,000	New	
4	Darke	King's Command Foods	Versailles	311612	Meat processor	MF	100	$4,450,000	69,000	New	
4	Darke	Whirlpool Corp	Greenville	335211	Kitchen appliances	DW	40	$15,800,000	300,000		Exp
4	Greene	Comfort Inn & Suites	Beavercreek	72111	Hotel	HO		$3,000,000		New	
4	Greene	Computer Sciences Corp	Beavercreek	541512	IT design	OF	350	$6,600,000	135,000	New	
4	Greene	Hope Hotel	WPAFB	72111	Hotel	HO		$1,000,000			Exp
4	Greene	Mills-Morgan Development	Beavercreek	23311	Spec of - Pentagon Park	SO		$10,000,000	83,300	New	
4	Greene	Mills-Morgan Development	Beavercreek	23311	Spec of - College Park	SO		$8,000,000	25,000	New	
4	Greene	Mills-Morgan Development	Beavercreek	23311	Spec of - New Germany Treeing Re	SO		$2,000,000	32,000	New	
4	Greene	Wingate Inn	Fairborn	72111	Hotel	HO		$5,000,000	55,000	New	
4	Greene	Woolpert LLP	Beavercreek	54133	Engineering	OF		$3,000,000	51,000	New	
4	Greene	Custom Manufacturing Solutions	Xenia	332312	Military vehicle parts	MF			27,000		Exp
4	Greene	Wright Materials Research Co	Beavercreek	326199	Composites	MF/R&D	5	$1,800,000	12,000	New	
4	Greene	Clark State	Beavercreek	61131	Branch campus	Education		$10,000,000	52,000	New	
4	Greene	Greene Memorial Hospital	Xenia	62211	Hospital	Health		$10,000,000			Exp
4	Miami	A.M. Leonard	Piqua	42371	Horticultural tools	DW/CC	35	$4,200,000	55,000		Exp
4	Miami	Northgate Commerce Center	Tipp City	23311	Industrial park	Park		$1,060,000			Exp
4	Miami	Plastic Recycling Technology (PRT)	Spring Creek Twp	325211	Plastic pellets	MF	25	$2,000,000	416,000	New	
4	Miami	General Films	Covington	326113	Plastic film	MF		$3,500,000			Exp
4	Miami	Comfort Inn & Suites	Troy	72111	Hotel	HO		$5,000,000		New	
4	Miami	F&P America	Troy	336399	Auto parts	MF/F		$3,500,000	75,000		Exp
4	Miami	SEW-Eurodrive	Troy	333612	Speed changers	MF/DW/F		$5,000,000	33,000		Exp
4	Montgomery	Appleton Papers	West Carrollton	322222	Coated papers	MF	14	$100,000,000			Exp
4	Montgomery	Dayton International Airport	Vandalia	488119	Airport	Trans		$2,500,000			Exp
4	Montgomery	Enterprise Information Management	Dayton	51919	IT services	OF	150	$1,150,000			Exp
4	Montgomery	Harco Manufacturing	Clayton	336399	Brake hoses	MF		$7,400,000		New	
4	Montgomery	Millat Industries	Dayton	33271	Machine shop	MF	10	$2,400,000			Exp
4	Montgomery	AIDA Dayton Technologies	Huber Heights	333512	Machine tools	OF/F	15	$4,500,000	18,000		Exp
4	Montgomery	Prime Technology	Miamisburg	335122	Currency security	MF/HQ/R&D	28	$2,100,000	10,000	New	
4	Montgomery	Value Place Hotel	Vandalia	72111	Hotel	HO		$4,000,000	43,000	New	
4	Montgomery	Lastar Inc	Moraine	335931	Cables	HQ			60,000	New	
4	Montgomery	Payless Shoe Source	Brookville	44821	Footwear	DW	300	$25,000,000	600,000	New	
4	Montgomery	Dayton Origin	Englewood	48851	Freight	DW	20	$1,200,000	27,000		Exp
4	Montgomery	Teradata Corp	Miami Twp	541511	Software	HQ		$3,000,000	40,000	New	
4	Montgomery	Towne Place Suites	Dayton	72111	Hotel	HO		$8,000,000	46,000	New	
4	Montgomery	Value Place Hotel	Dayton	72111	Hotel	HO		$4,000,000	40,000	New	
4	Montgomery	4over Inc	Huber Heights	32311	Commercial printer	MF	150	$4,500,000	100,000	New	
4	Montgomery	Crate & Barrel	Vandalia	442299	Home furnishings	DW	8		36,000	New	

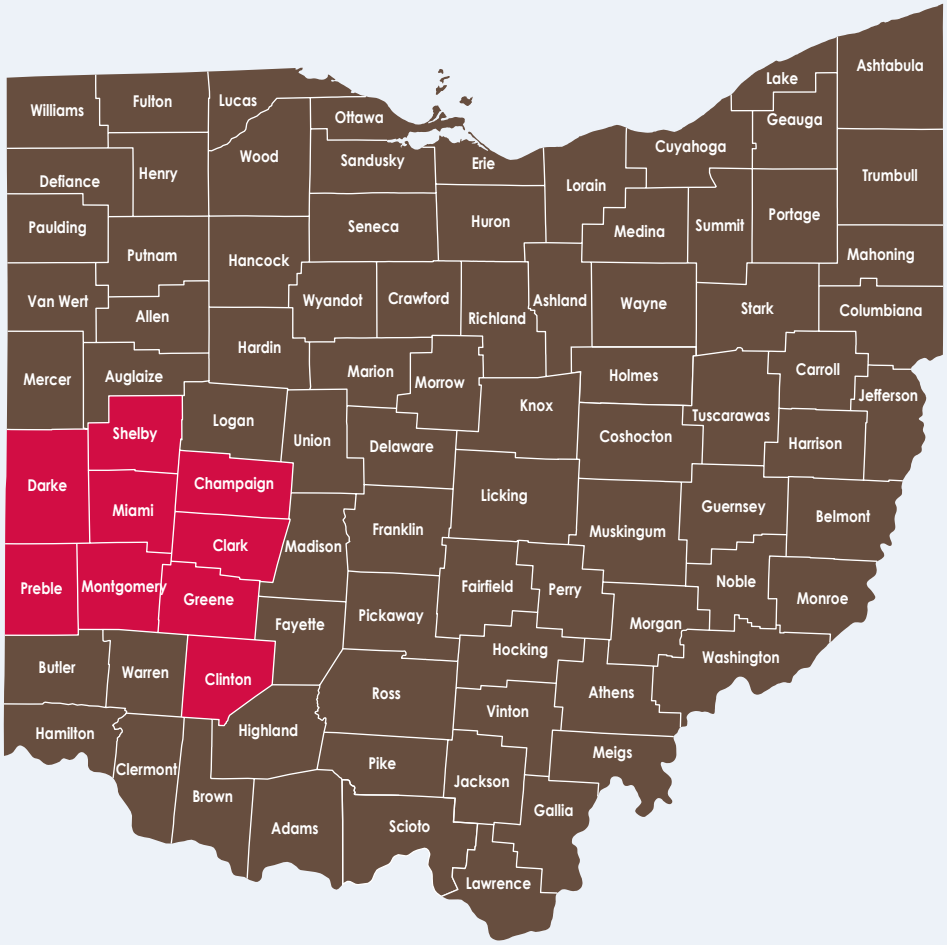
Ohio Department of Development

2007 Ohio Private Investment List

Region	County	Company	City	NAICS	Product	Type	Jobs	Investment	Square Feet	New	Exp
4	Montgomery	Creative Cabinets Systems Inc	Harrison Twp	33711	Cabinets	MF	10		123,000	New	
4	Montgomery	Exel/Dannon	Englewood	42443	Yogurt	DW		$1,250,000	67,000	New	
4	Montgomery	Expediting Co Inc	Vandalia	48849	Trucking	DW		$1,750,000	35,000	New	
4	Montgomery	GM Corp/James Group	Trotwood	42312	Auto parts	DW	225	$51,000,000	380,000	New	
4	Montgomery	A&A Safety/Quattro	Dayton	42361	Traffic devices	DW	20	$1,800,000		New	
4	Montgomery	Morning Pride	Dayton	339113	Protective clothing	MF	46	$2,000,000	32,000		Exp
4	Montgomery	Crown Partners LLC	Miami Twp	54169	Engineering	OF	150	$4,100,000		New	
4	Montgomery	Tenneco Automotive	Kettering	336399	Auto parts	MF	350	$10,000,000		New	
4	Montgomery	ATK Space Systems	Beavercreek	541712	Research	R&D	60	$4,500,000		New	
4	Montgomery	Sogeti USA LLC	Centerville	541512	Software	OF/F	105				Exp
4	Montgomery	Grandview Hospital	Dayton	62211	Hospital	Health		$16,000,000	40,000		Exp
4	Montgomery	Lastar Inc	Dayton	335931	Cables	MF/DW	55		130,000	New	
4	Preble	Bullen Ultrasonics	Eaton	333512	Machine tools	MF		$11,200,000	120,000		Exp
4	Preble	Preble County Medical Center	Eaton	621111	Medical center	Health		$3,000,000	1,400		Exp
4	Shelby	Mid-States Packaging	Jackson Center	322221	Packaging materials	MF		$2,000,000			Exp
4	Shelby	Ring Container	Sidney	326199	Plastic products	MF		$4,000,000	115,000	New	
4	Shelby	Ross Casting & Innovation Inc	Sidney	331528	Aluminum auto castings	MF		$12,000,000	120,000	New	
Region 4	**Totals**	**59**					**2,513**	**$422,160,000**	**3,805,700**		

Workforce Analysis

Southwest Central Ohio
Economic Development Region 4



Champaign, Clark, Clinton, Darke, Greene, Miami, Montgomery, Preble and Shelby Counties

Workforce Analysis
Economic Development Region 4

OHIO Job & Family SERVICES

October
2007

Workforce Analysis
Economic Development Region 4
Southwest Central 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 17
References 18

Appendix A: Ohio's Economic Development Regions 19
Appendix B: Ohio's Metropolitan Statistical Areas 20
Appendix C: Detailed County-to-County Commuting Patterns 21
Appendix D: Major Employers by County 24
Appendix E: Postsecondary Institutions 27
Appendix F: Degree Completers by Program Class 29

Executive Summary

- The Southwest Central Ohio EDR contains the Dayton and Springfield MSAs. Strong pulls in Montgomery and Greene Counties make this region a net in-commuting area.

- 2006 population was approximately 1.17 million, a decline of 1.2 percent from 1995. This region has a slightly smaller prime working-age population than the rest of Ohio and a higher share of elderly residents.

- Total nonfarm employment in 2006 was about 533,000, a drop of 5.3 percent since 2000. The greatest job losses were in Montgomery County.

- Unemployment was 5.6 percent in 2006, a decline of 0.7 percentage point from the last peak in 2003.

- Per-capita income in 2005 was $30,816, having grown at a 3.1 percent annual compound rate from 1995, lower than the state and national rates.

- Approximately 2,900 residential construction permits were granted in 2006, a significant drop from a building boom in 2003.

- Regional employment is projected to grow 4.0 percent from 2004 to 2014. Education and health services; administrative and waste services; accommodation and food services; and finance and insurance will be the fastest-growing sectors during this period.

- Healthcare; education, training and library; sales and related; and computer and mathematical occupations are projected to be the fastest-growing occupational groups.

- There are 35 postsecondary institutions in this region. Nearly 14,600 degrees and certificates combined were awarded in 2006, 10.3 percent higher than in 2005.

- Reading comprehension will be the most highly-demanded workplace skill in this region through 2014.

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.

While the Southwest Central Ohio EDR contains both the Dayton and Springfield MSAs, much of the region is very rural in nature. In total, the region has a positive net flow of commuters traveling in to work: about 8,800 workers. This total excludes commuting between counties within the region. Not surprisingly, Montgomery County has the strongest in-flow of commuters: 288,000. Greene County has the largest proportion of its workforce coming in from surrounding counties: 46.9 percent.

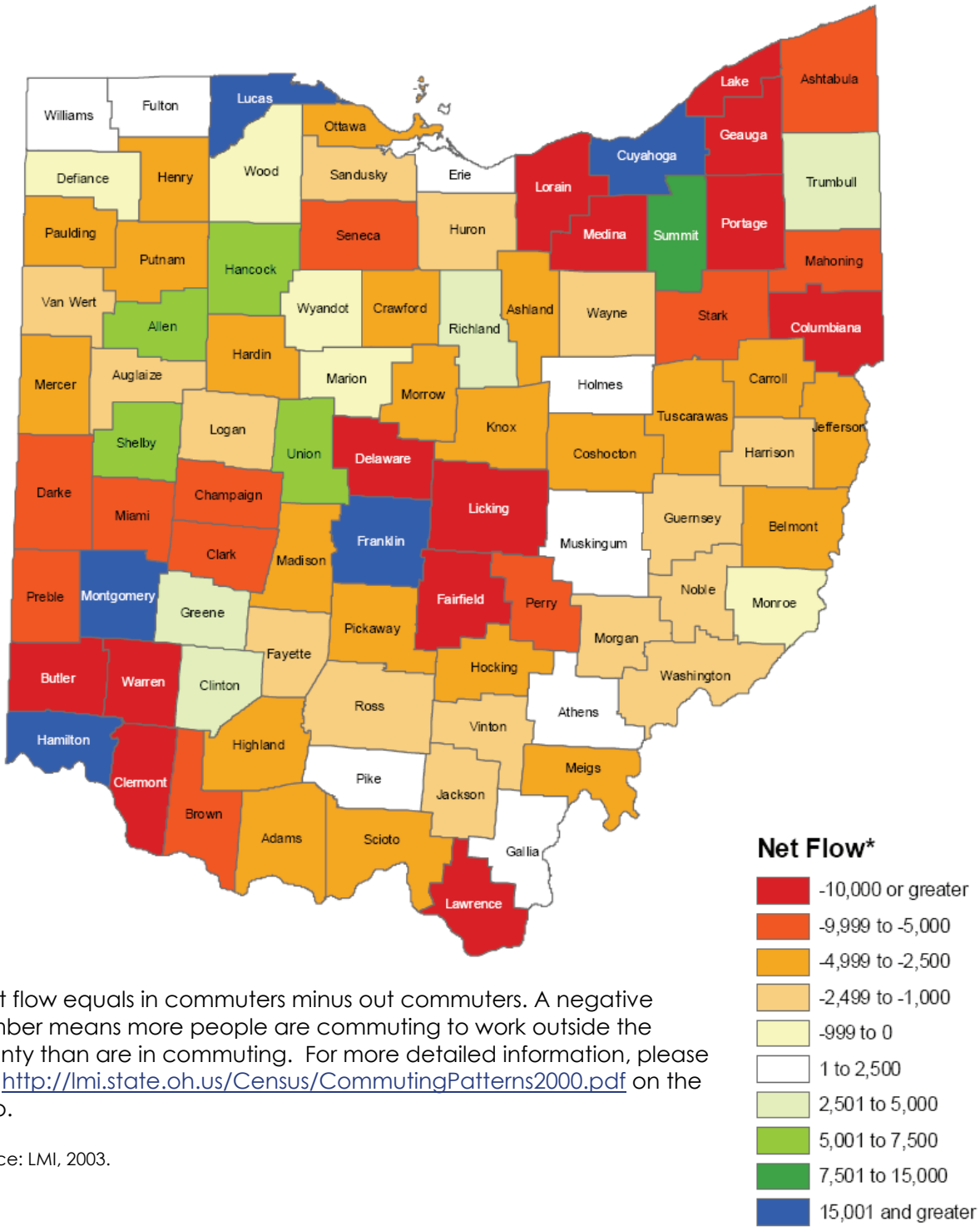
Figure 1: Regional Commuting Patterns

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
Champaign	12,897	4,028	31.2%	18,905	10,036	53.1%	-6,008	-42.7%
Clark	57,637	12,500	21.7%	65,887	20,750	31.5%	-8,250	-24.8%
Clinton	24,277	10,398	42.8%	19,949	6,070	30.4%	4,328	26.3%
Darke	19,871	3,885	19.6%	25,303	9,317	36.8%	-5,432	-41.1%
Greene	76,312	35,806	46.9%	72,958	32,452	44.5%	3,354	4.9%
Miami	44,378	13,203	29.8%	49,799	18,624	37.4%	-5,421	-17.0%
Montgomery	288,140	76,946	26.7%	259,419	48,225	18.6%	28,721	22.9%
Preble	12,119	2,833	23.4%	20,226	10,940	54.1%	-8,107	-58.9%
Shelby	29,169	10,982	37.6%	23,582	5,395	22.9%	5,587	34.1%
Southwest Central Ohio	**564,800**	**50,587**	**9.0%**	**556,028**	**41,815**	**7.5%**	**8,772**	**9.5%**

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



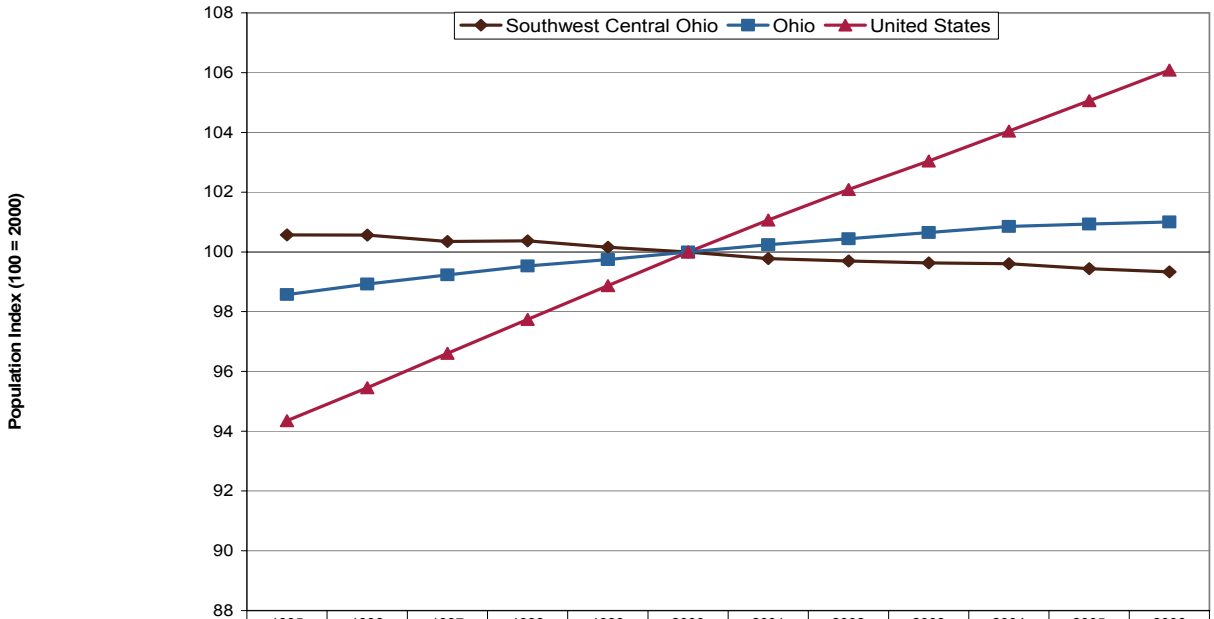
*Net flow equals in commuters minus out commuters. A negative number means more people are commuting to work outside the county than are in commuting. For more detailed information, please visit http://lmi.state.oh.us/Census/CommutingPatterns2000.pdf on the web.

Source: LMI, 2003.

II. Economic Indicators

Population Trends. Total population in Southwest Central Ohio was approximately 1.17 million residents. In the past ten years, regional population has fallen 1.2 percent, mainly due to declines in Montgomery County (-5.5% over this period). For comparison, Ohio's population rose 2.5 percent during this period while national population grew 12.4 percent.

Figure 3: Population Trends, 1995-2006



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Southwest Central Ohio	100.6	100.6	100.3	100.4	100.2	100.0	99.8	99.7	99.6	99.6	99.4	99.3
Ohio	98.6	98.9	99.2	99.5	99.7	100.0	100.2	100.4	100.6	100.9	100.9	101.0
United States	94.4	95.5	96.6	97.7	98.9	100.0	101.1	102.1	103.0	104.0	105.1	106.1
EDR 4 Population	1,180,351	1,180,223	1,177,729	1,178,003	1,175,456	1,173,645	1,171,013	1,170,110	1,169,291	1,169,041	1,167,058	1,165,796

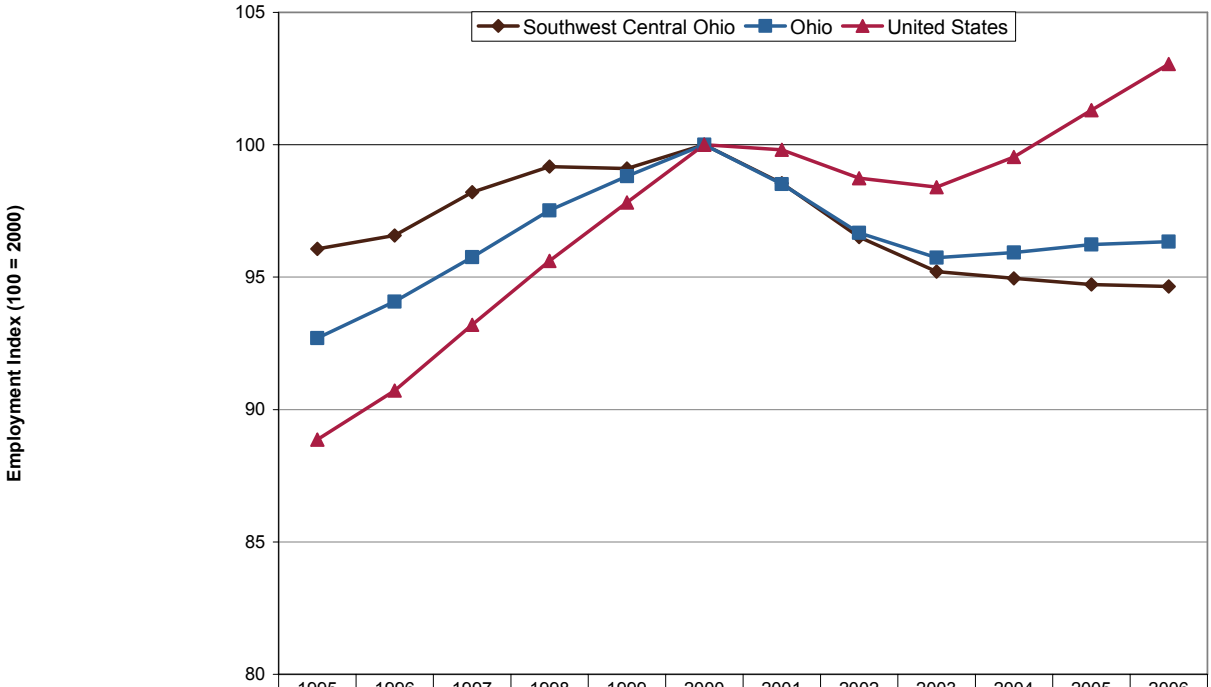
Demographic Traits. Population estimates from 2006, shown in Figure 4, reveal differences between this EDR and the rest of the state and nation. Southwest Central Ohio has a slightly smaller prime working-age population than the rest of Ohio, only 40.7 percent between 25 and 44, compared with 42.0 percent statewide. There is also a larger elderly population 55 and older: 25.6 percent.

Figure 4: Demographic Characteristics, 2006

	United States		Ohio		Southwest Central Ohio	
Total	**299,238,484**	**100.0%**	**11,478,006**	**100.0%**	**1,165,796**	**100.0%**
Under 5	20,417,636	6.8%	734,735	6.4%	73,798	6.3%
5 to 14	40,337,284	13.5%	1,534,571	13.4%	153,442	13.2%
15 to 24	42,435,426	14.2%	1,597,458	13.9%	165,329	14.2%
25 to 34	40,415,979	13.5%	1,459,394	12.7%	142,071	12.2%
35 to 44	43,666,950	14.6%	1,621,662	14.1%	159,950	13.7%
45 to 54	43,278,174	14.5%	1,738,480	15.1%	172,706	14.8%
55 to 64	31,586,683	10.6%	1,259,712	11.0%	134,565	11.5%
65 and older	37,260,352	12.5%	1,531,994	13.3%	163,935	14.1%

Employment Trends. There were over 532,000 people working in this area in 2006. Regional nonfarm employment trends have followed a pattern similar state and national employment between 1995 and 2006, with employment levels dropping 5.3 percent since 2000. Again, Montgomery County had the largest individual decline, shedding about 30,000 jobs (-9.8%) since 2000. The rest of Ohio has also sustained significant job loss during this time span (-3.7%). While there was net employment loss nationwide with the 2001 recession, the U.S. as a whole recovered by 2005.

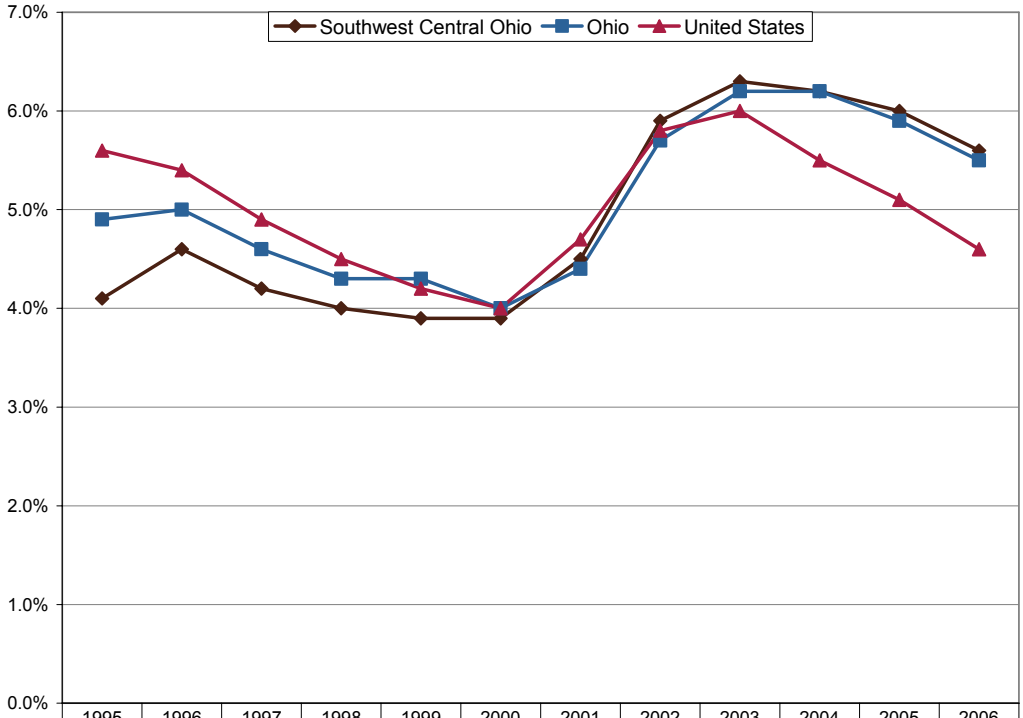
Figure 5: Nonfarm Employment Trends, 1995-2006



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Southwest Central Ohio	96.1	96.6	98.2	99.2	99.1	100.0	98.5	96.5	95.2	95.0	94.7	94.7
Ohio	92.7	94.1	95.8	97.5	98.8	100.0	98.5	96.7	95.7	95.9	96.2	96.3
United States	88.9	90.7	93.2	95.6	97.8	100.0	99.8	98.7	98.4	99.5	101.3	103.0
EDR 4 Employment	540,607	543,434	552,612	558,056	557,640	562,707	554,530	543,117	535,763	534,298	533,018	532,604

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. Southwest Central Ohio's unemployment rate in 2006 was 5.6 percent. The unemployment rate in this region has behaved very similarly to the statewide rate since 2000. Since the last peak in 2003, the regional unemployment rate has fallen 0.7 percentage point, the same rate of decline as the rest of Ohio. The unemployment rate here has generally been higher since the last recession than the national rate (4.6% in 2006).

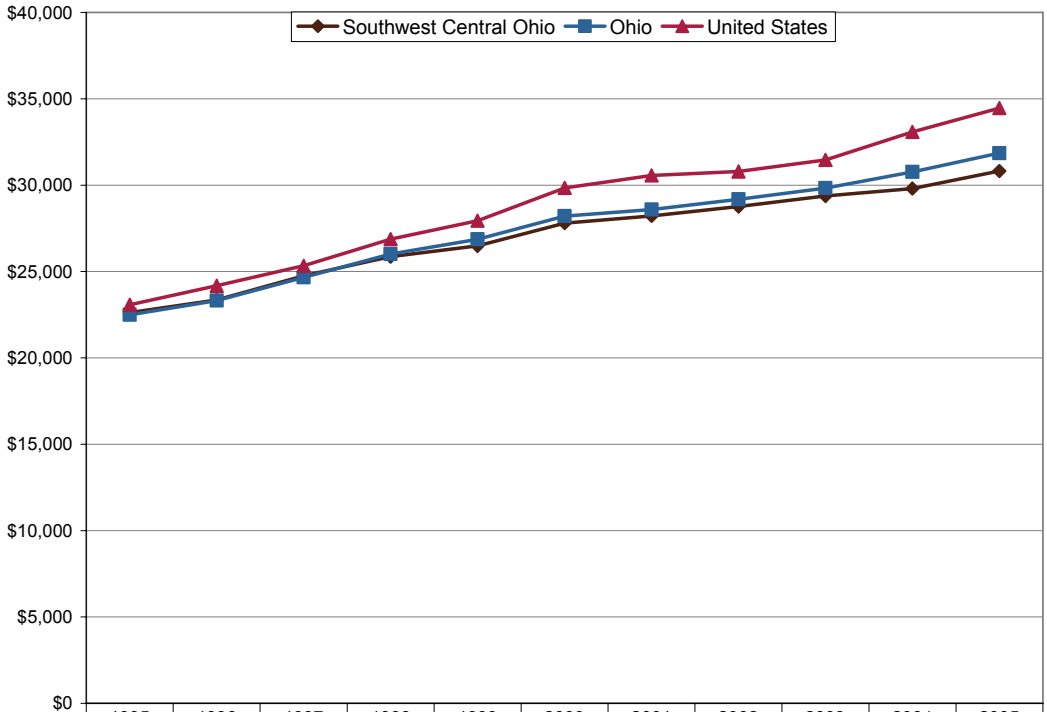
Figure 6: Unemployment Trends, 1995-2006



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Southwest Central Ohio	4.1%	4.6%	4.2%	4.0%	3.9%	3.9%	4.5%	5.9%	6.3%	6.2%	6.0%	5.6%
Ohio	4.9%	5.0%	4.6%	4.3%	4.3%	4.0%	4.4%	5.7%	6.2%	6.2%	5.9%	5.5%
United States	5.6%	5.4%	4.9%	4.5%	4.2%	4.0%	4.7%	5.8%	6.0%	5.5%	5.1%	4.6%

Per Capita Income Trends. Urban areas tend to have higher income levels in general than rural areas. Because this region has a similar mix of urban and rural counties as the rest of the state, per capita income levels have also been quite similar. Per capita income in Southwest Central Ohio in 2005 was $30,816, compared with $31,860 in Ohio and $34,471 in the U.S. Per capita income has grown at a slower rate than elsewhere in the state with a 3.1 percent annual compound growth rate between 1995 and 2005. Ohio's income grew by 3.5 percent and the U.S. by 4.1 percent.

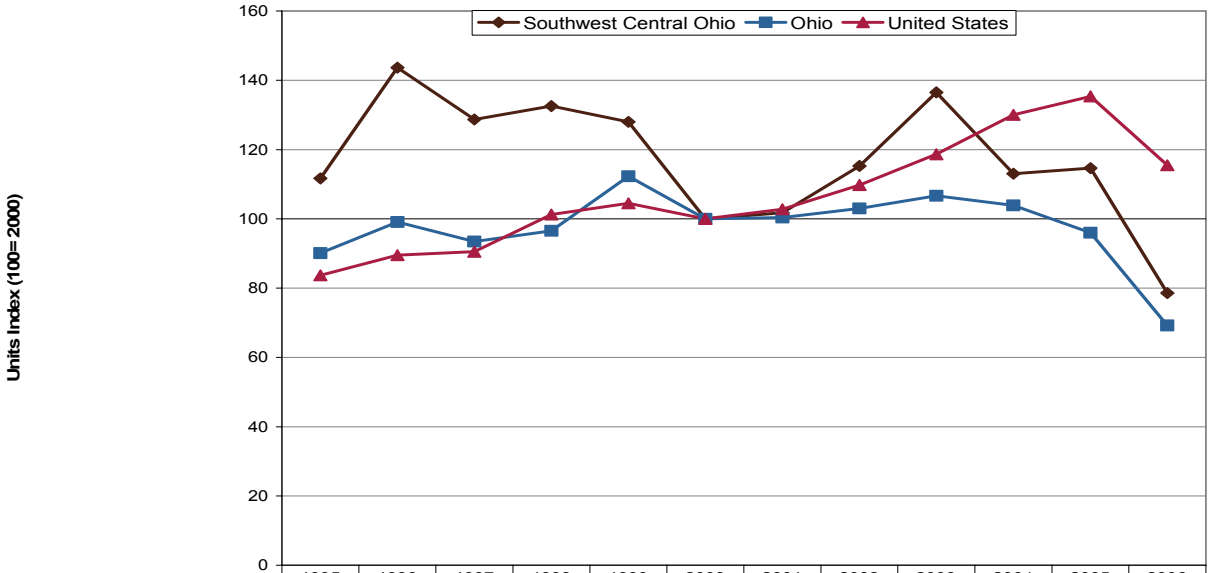
Figure 7: Per Capita Income, 1995-2005



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Southwest Central Ohio	$22,627	$23,352	$24,745	$25,863	$26,486	$27,801	$28,224	$28,764	$29,377	$29,808	$30,816
Ohio	$22,495	$23,322	$24,656	$26,017	$26,859	$28,205	$28,583	$29,187	$29,826	$30,763	$31,860
United States	$23,076	$24,175	$25,334	$26,883	$27,939	$29,843	$30,562	$30,795	$31,466	$33,090	$34,471

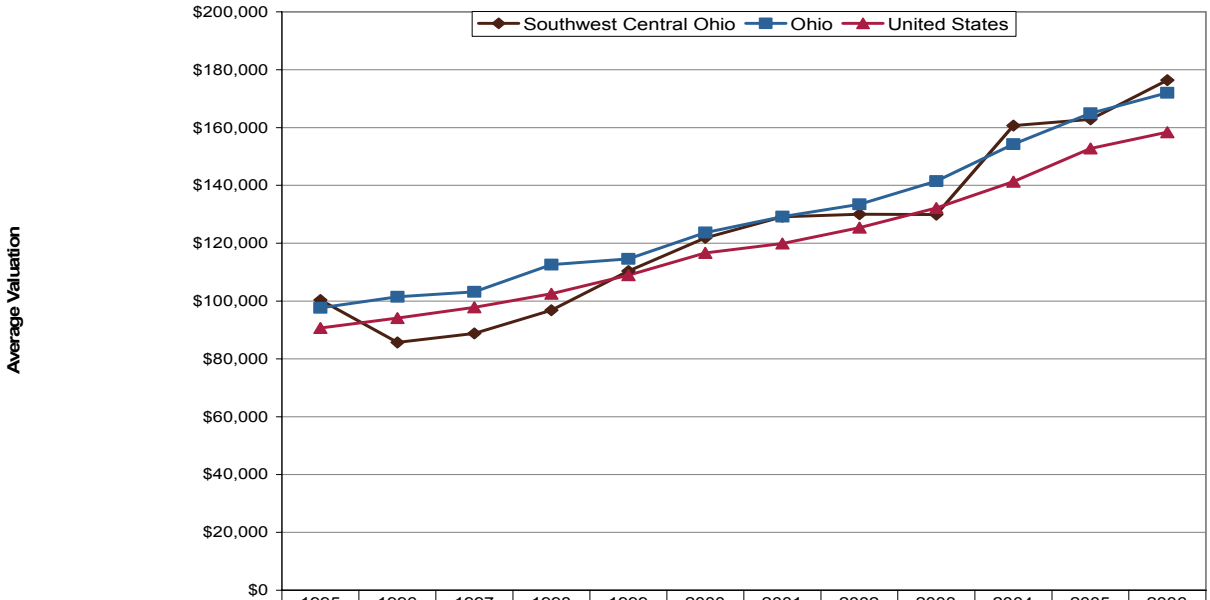
Residential Construction Permit Trends. About 2,900 residential units were permitted in the Southwest Central EDR in 2006, mostly in Montgomery County. Residential construction activity has fallen significantly from its high point in 2003 when permits for about 5,100 units were issued. Average valuation has risen steadily from 1995 to 2006.

Figure 8: Number of New Residential Building Permits



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Southwest Central Ohio	111.7	143.7	128.7	132.6	128.0	100.0	101.8	115.3	136.5	113.0	114.6	78.6
Ohio	90.1	99.1	93.5	96.6	112.3	100.0	100.4	103.0	106.6	103.9	95.9	69.2
United States	83.7	89.5	90.5	101.3	104.5	100.0	102.8	109.8	118.6	130.0	135.4	115.5
EDR 4 Units	4,174	5,369	4,810	4,954	4,784	3,737	3,804	4,308	5,102	4,224	4,284	2,937

Figure 9: Valuation of New Residential Building Permits



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Southwest Central Ohio	$100,37	$85,668	$88,798	$96,858	$110,37	$121,82	$129,11	$129,98	$129,86	$160,66	$162,83	$176,40
Ohio	$97,631	$101,47	$103,15	$112,62	$114,54	$123,70	$129,22	$133,43	$141,45	$154,25	$164,89	$171,98
United States	$90,661	$94,118	$97,843	$102,50	$108,95	$116,65	$119,90	$125,41	$132,16	$141,26	$152,76	$158,41

III. Employment Projections to 2014

Projections by Industry Sector. Figure 10 below shows projections from the Job Outlook to 2014 for Southwest Central Ohio. As of 2004, approximately 21.3 percent of all area employment was in goods-producing industries such as manufacturing, just slightly higher than statewide (19.9%). The remaining 78.7 percent of employment was in service-providing industries such as retail or healthcare.

Between 2004 and 2014, Southwest Central Ohio is projected to add 23,200 jobs (4.0%), the majority in service-providing industries. The fastest expanding industry sector by far will be education and health services, which includes hospitals, clinics and private schools. This sector is expected to create nearly 14,000 jobs (18.5%) during this ten-year span, unsurprising since demand for health care will likely grow as the baby boom generation ages and new medical technologies emerge. Other growth sectors include finance and insurance (12.5%), administrative and waste services (9.4%); and accommodation and food services (5.4%). Manufacturing is projected to sustain the greatest losses, shedding 11,300 jobs during this period (-12.0%).

Figure 10: Southwest 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	**585,900**	**609,100**	**23,200**	**4.0%**
Goods-Producing	**125,000**	**114,300**	**-10,700**	**-8.6%**
Natural Resources and Mining	10,900	9,900	-1,000	-9.2%
Construction	20,300	21,900	1,600	7.9%
Manufacturing	93,800	82,500	-11,300	-12.0%
Service-Providing	**423,700**	**457,500**	**33,800**	**8.0%**
Trade, Transportation and Utilities	102,300	106,400	4,100	4.0%
Wholesale Trade	19,000	20,000	1,000	5.3%
Retail Trade	58,900	59,900	1,000	1.7%
Information	11,900	13,100	1,200	10.1%
Financial Activities	24,200	26,900	2,700	11.2%
Finance and Insurance	18,400	20,700	2,300	12.5%
Real Estate and Rental and Leasing	5,800	6,200	400	6.9%
Professional and Business Services	60,300	65,500	5,200	8.6%
Administrative and Waste Services	29,700	32,500	2,800	9.4%
Education and Health Services	75,300	89,200	13,900	18.5%
Leisure and Hospitality	47,600	50,700	3,100	6.5%
Arts, Entertainment & Recreation	4,700	5,500	800	17.0%
Accommodation and Food Services	42,900	45,200	2,300	5.4%
Other Services	22,000	23,300	1,300	5.9%
Government	80,100	82,400	2,300	2.9%
Federal Government	18,300	18,100	-200	-1.1%
State Government	6,100	6,100	0	0.0%
Local Government	55,800	58,100	2,300	4.1%
Self-Employed, Private Household and Unpaid Family Workers	**37,200**	**37,300**	**100**	**0.3%**

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

On average, there will be about 16,000 job openings per year in this region. Healthcare occupations are projected to add 9,300 jobs from 2004 to 2014 (19.9%), with nearly 1,8000 openings per year on average. Other fast-growing occupational groups include computer and mathematical occupations (18.1%); personal care and service (10.7%); education, training and library (9.8%); and sales and related occupations (4.2%).

Note that although production occupations are projected to lose nearly 7,000 jobs over these ten years (-9.5%), there are also a large number of average annual openings expected for this group. In general, three out of every four openings will be replacement hires.

Figure 11: Southwest Central 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	**585,900**	**609,100**	**23,200**	**4.0%**	**16,217**
Management Occupations	33,390	33,780	390	1.2%	557
Business and Financial Operations Occupations	25,430	27,580	2,150	8.5%	671
Computer and Mathematical Occupations	12,020	14,190	2,170	18.1%	371
Architecture and Engineering Occupations	13,500	13,780	280	2.1%	331
Life, Physical, and Social Science Occupations	3,720	3,910	190	5.1%	109
Community and Social Services Occupations	7,820	8,840	1,020	13.0%	250
Legal Occupations	3,080	3,300	220	7.1%	58
Education, Training, and Library Occupations	30,580	33,570	2,990	9.8%	961
Arts, Design, Entertainment, Sports, & Media Occ.	7,840	8,500	660	8.4%	208
Healthcare Occupations, total	46,750	56,050	9,300	19.9%	1,762
Protective Service Occupations	9,490	9,950	460	4.8%	328
Food Preparation and Serving Related Occupations	46,540	49,230	2,690	5.8%	2,081
Building & Grounds Cleaning & Maintenance Occup.	18,970	20,580	1,610	8.5%	540
Personal Care and Service Occupations	16,320	18,060	1,740	10.7%	570
Sales and Related Occupations	55,600	57,940	2,340	4.2%	2,060
Office and Administrative Support Occupations	89,110	87,280	-1,830	-2.1%	2,046
Farming, Fishing, and Forestry Occupations	1,490	1,470	-20	-1.3%	40
Construction and Extraction Occupations	22,340	23,720	1,380	6.2%	572
Installation, Maintenance, and Repair Occupations	24,060	24,740	680	2.8%	613
Production Occupations	73,070	66,120	-6,950	-9.5%	1,765
Transportation and Material Moving Occupations	44,800	46,510	1,710	3.8%	1,202

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

Figure 12: High Prospect Occupations in Southwest Central Ohio

Code	Occupational Title**	Employment 2004 Annual	Employment 2014 Projected	Change in Employment 2004 - 2014	Change in Employment Percent	Avg. Ann. Openings	2006 Avg. Wage*
Occupations Requiring Short-Term On-the-Job Training (up to one month)							
37-2011	Janitors & Cleaners, ex. Maids/Hsekping Clean.	8,510	9,480	970	11.4%	258	$12.09
43-3011	Bill and Account Collectors	1,140	1,390	250	21.9%	47	$14.80
43-4111	Interviewers, except Eligibility and Loan	650	740	90	13.8%	26	$12.66
43-5052	Postal Service Mail Carriers	1,450	1,370	-80	-5.5%	45	$22.60
43-5061	Production, Planning, and Expediting Clerks	1,660	1,650	-10	-0.6%	40	$17.98
43-5071	Shipping, Receiving, and Traffic Clerks	3,970	3,780	-190	-4.8%	82	$12.96
51-2022	Electrical & Electronic Equipment Assemblers	1,710	1,450	-260	-15.2%	40	$14.55
51-9111	Packaging & Filling Machine Operators/Tenders	2,700	2,440	-260	-9.6%	54	$12.70
53-3022	Bus Drivers, School	1,350	1,430	80	5.9%	37	$12.12
53-3033	Truck Drivers, Light or Delivery Services	3,900	4,300	400	10.3%	76	$14.60
53-7051	Industrial Truck and Tractor Operators	2,420	2,370	-50	-2.1%	46	$13.97
Occupations Requiring Moderate-Term On-the-Job Training (one to twelve months combined experience/training)							
21-1093	Social and Human Service Assistants	660	810	150	22.7%	27	$12.83
31-9091	Dental Assistants	990	1,310	320	32.3%	60	$12.43
31-9092	Medical Assistants	1,560	2,240	680	43.6%	97	$12.07
41-2022	Parts Salespersons	1,350	1,150	-200	-14.8%	39	$12.16
41-3011	Advertising Sales Agents	850	950	100	11.8%	27	$21.38
41-4011	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	1,410	1,590	180	12.8%	55	$39.73
41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	5,500	5,870	370	6.7%	182	$26.92
43-3021	Billing & Posting Clerks & Machine Operators	2,190	2,130	-60	-2.7%	37	$13.70
43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,450	7,210	-240	-3.2%	140	$14.48
43-3051	Payroll and Timekeeping Clerks	770	820	50	6.5%	25	$14.52
43-4051	Customer Service Representatives	7,010	8,130	1,120	16.0%	216	$15.12
43-6011	Executive Secretaries & Administrative Assistants	5,210	5,350	140	2.7%	114	$17.60
43-6014	Secretaries, except Legal, Medical & Executive	7,690	6,890	-800	-10.4%	147	$14.04
43-9041	Insurance Claims and Policy Processing Clerks	1,210	1,280	70	5.8%	26	$14.75
47-2061	Construction Laborers	2,300	2,210	-90	-3.9%	31	$15.45
47-2073	Operating Engineers & Other Con. Equip. Op.	980	1,030	50	5.1%	30	$18.79
47-2141	Painters, Construction and Maintenance	1,190	1,330	140	11.8%	32	$14.50
47-2181	Roofers	730	850	120	16.4%	29	$16.68
49-9042	Maintenance and Repair Workers, General	6,050	6,260	210	3.5%	137	$15.89
51-2092	Team Assemblers	15,890	15,360	-530	-3.3%	411	$15.54
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	2,800	2,120	-680	-24.3%	65	$13.37
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	3,410	3,030	-380	-11.1%	78	$17.02
53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,870	8,640	770	9.8%	206	$18.20
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training)							
33-2011	Fire Fighters	1,650	1,800	150	9.1%	63	$14.64
33-3051	Police and Sheriff's Patrol Officers	2,130	2,170	40	1.9%	59	$20.96
47-2031	Carpenters	3,390	3,670	280	8.3%	83	$17.97
47-2111	Electricians	3,090	3,240	150	4.9%	76	$22.77
47-2152	Plumbers, Pipefitters and Steamfitters	2,080	2,270	190	9.1%	67	$22.08

Code	Occupational Title**	Employment 2004 Annual	Employment 2014 Projected	Change in Employment 2004 - 2014	Change in Employment Percent	Avg. Ann. Openings	2006 Avg. Wage*
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training) [con't]							
49-9021	Heating, AC, & Refrigeration Mechanics/Installers	960	1,130	170	17.7%	30	$20.73
49-9041	Industrial Machinery Mechanics	1,300	1,220	-80	-6.2%	26	$23.98
51-4041	Machinists	3,600	3,370	-230	-6.4%	84	$17.52
51-4111	Tool and Die Makers	1,900	1,670	-230	-12.1%	43	$21.51
51-4121	Welders, Cutters, Solderers, and Brazers	2,180	2,060	-120	-5.5%	62	$14.97
Occupations Requiring Work Experience in a Related Occupation							
11-9051	Food Service Managers	1,620	1,700	80	4.9%	35	$20.63
13-1023	Purchasing Agents, ex. Whole., Retail, & Farm	1,800	1,790	-10	-0.6%	45	$29.34
13-1051	Cost Estimators	1,040	1,170	130	12.5%	36	$28.22
35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	3,010	3,240	230	7.6%	95	$13.59
39-1021	First-Line Sup/Mgrs of Personal Serv. Workers	770	860	90	11.7%	28	$14.82
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	6,190	6,200	10	0.2%	112	$18.06
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	1,580	1,530	-50	-3.2%	30	$33.77
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	4,290	4,370	80	1.9%	100	$21.94
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	2,110	2,230	120	5.7%	48	$26.43
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	2,050	2,120	70	3.4%	58	$26.15
51-1011	FL Sup/Mgrs of Production/Operating Workers	4,770	4,520	-250	-5.2%	100	$25.45
53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	980	1,030	50	5.1%	28	$22.67
53-1031	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	850	940	90	10.6%	29	$24.52
Occupations Requiring Postsecondary Vocational Training							
29-2041	Emergency Medical Technicians & Paramedics	900	1,050	150	16.7%	25	$13.63
29-2061	Licensed Practical & Licensed Vocat. Nurses	3,870	4,350	480	12.4%	133	$18.12
43-6013	Medical Secretaries	3,220	3,560	340	10.6%	96	$12.53
49-3023	Automotive Service Technicians and Mechanics	3,160	3,280	120	3.8%	96	$17.00
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	1,590	1,710	120	7.5%	53	$16.98
Occupations Requiring an Associate Degree							
15-1041	Computer Support Specialists	1,670	1,850	180	10.8%	39	$19.76
29-1111	Registered Nurses‡	10,720	13,140	2,420	22.6%	466	$25.30
29-1126	Respiratory Therapists	520	630	110	21.2%	28	$21.55
29-2034	Radiologic Technologists and Technicians	1,020	1,200	180	17.6%	37	$21.59
Occupations Requiring a Bachelor's Degree							
13-2011	Accountants and Auditors	4,980	5,280	300	6.0%	124	$28.76
15-1021	Computer Programmers	1,350	1,220	-130	-9.6%	32	$27.72
15-1031	Computer Software Engineers, Applications	2,140	2,770	630	29.4%	84	$37.37
15-1032	Comp. Software Engineers, Systems Software	1,140	1,460	320	28.1%	43	$38.07
15-1051	Computer Systems Analysts	2,100	2,450	350	16.7%	59	$33.56
15-1071	Network and Computer Systems Administrators	1,440	1,850	410	28.5%	57	$27.24
15-1081	Network Systems & Data Comm. Analysts	700	970	270	38.6%	35	$33.10
17-2072	Electronics Engineers, except Computer	1,230	1,330	100	8.1%	34	$43.73
17-2112	Industrial Engineers	2,110	2,200	90	4.3%	60	$34.42
17-2141	Mechanical Engineers	1,310	1,290	-20	-1.5%	36	$32.60
21-1021	Child, Family and School Social Workers	1,060	1,160	100	9.4%	28	$18.43
25-2021	Elementary School Teachers, ex.Special Ed.†	5,560	5,880	320	5.8%	155	$47,652
25-2022	Middle School Teachers, ex. Special & Voc. Ed.†	2,670	2,700	30	1.1%	62	$47,926
25-2031	Secondary Sch. Teachers, ex. Spec. & Voc. Ed.†	4,590	4,750	160	3.5%	145	$50,355
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.†	720	840	120	16.7%	29	$46,003
25-2043	Special Education Teachers, Secondary School†	900	980	80	8.9%	29	$49,028

Code	Occupational Title**	Employment 2004 Annual	Employment 2014 Projected	Change in Employment 2004 - 2014	Change in Employment Percent	Avg. Ann. Openings	2006 Avg. Wage*
Occupations Requiring a Bachelor's Degree [con't]							
27-1024	Graphic Designers	1,090	1,200	110	10.1%	26	$18.01
29-2011	Medical and Clinical Laboratory Technologists	600	730	130	21.7%	29	$22.87
41-3021	Insurance Sales Agents	1,610	1,700	90	5.6%	48	$29.10
41-3031	Securities/Commodities/Fin. Serv. Sales Agents	920	1,080	160	17.4%	26	$34.19
27-1024	Graphic Designers	1,090	1,200	110	10.1%	26	$18.01
29-2011	Medical and Clinical Laboratory Technologists	600	730	130	21.7%	29	$22.87
41-3021	Insurance Sales Agents	1,610	1,700	90	5.6%	48	$25.76
41-3031	Securities/Commodities/Fin. Serv. Sales Agents	920	1,080	160	17.4%	26	$34.19
Occupations Requiring Work Experience plus a Bachelor's Degree							
11-1011	Chief Executives	1,640	1,740	100	6.1%	41	$67.53
11-1021	General and Operations Managers	5,540	5,930	390	7.0%	144	$45.06
11-3021	Computer and Information Systems Managers	960	1,070	110	11.5%	28	$45.04
11-9032	Education Admin., Elem. & Secondary School†	1,050	1,080	30	2.9%	29	$75,800
11-9111	Medical and Health Services Managers	1,070	1,230	160	15.0%	37	$34.59
13-1111	Management Analysts	2,910	3,030	120	4.1%	52	$37.32
Occupations Requiring a Master's Degree							
21-1012	Educational, Vocational, & School Counselors	940	1,020	80	8.5%	30	$25.47
25-9031	Instructional Coordinators	890	1,120	230	25.8%	37	$24.26
Occupations Requiring a First Professional Degree							
23-1011	Lawyers	1,620	1,740	120	7.4%	33	$42.07
29-1051	Pharmacists	970	1,100	130	13.4%	32	$45.60
29-1062	Family and General Practitioners	850	1,000	150	17.6%	26	$82.69

*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

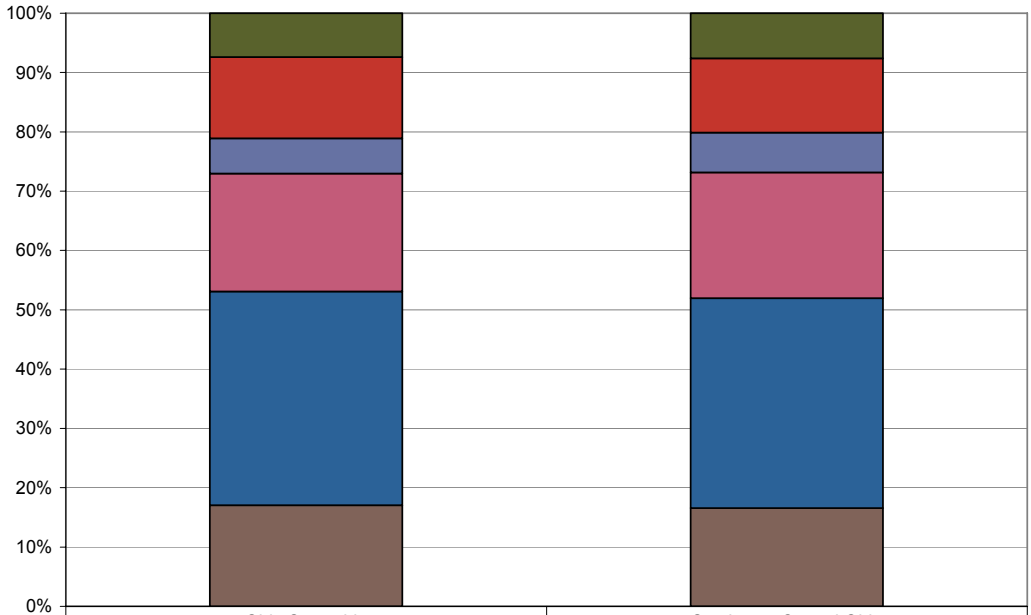
‡Training requirements may be met through a two-year associate's degree; a three-year diploma; or a four-year bachelor's degree.

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

IV. Education & Training

Educational Attainment. A comparison of educational attainment among adults 25 or older as shown below in Figure 13 reveals only some very slight differences between this EDR and the rest of Ohio. Southwest Central Ohio has a slightly larger proportion of adults who attended some college but did not attain a degree and overall a larger proportion with at least some postsecondary education (48.0% versus 46.9%). The region has a somewhat smaller proportion of postsecondary degree completers, however. Overall, the two educational profiles are highly similar.

Figure 13: Educational Attainment, 2000



	Ohio Statewide	Southwest Central Ohio
Master's Degree or Higher	547,276	58,251
Bachelor's Degree	1,016,256	95,783
Associate Degree	439,608	51,392
Some College	1,471,964	162,352
High School Graduate	2,674,551	270,949
No High School Diploma	1,262,085	126,778

Degree Completions. There are 35 postsecondary training providers in Southwest Central Ohio offering nearly 1,900 different programs: 3 public adult schools with vocational programs; 17 two-year technical and community colleges; 13 four-year colleges and universities; and 2 private technical schools. From 2005 to 2006, the number of awards completed at these institutions grew by nearly 1,400 (10.3%). For comparison, Ohio awards rose only 3.7 percent. Most growth was in bachelor's and master's degree programs. Details on educational institutions and program completers are available in Appendices E and F, respectively.

Figure 14: Degree Completions in Southwest Central Ohio

Award Type	2005	2006	Net Growth
Postsec. Awards; < 2 yrs.	1,894	1,951	57
Associate's Degrees	2,670	2,922	252
Bachelor's Degrees	5,704	6,044	340
Master's Degrees	2,260	2,890	630
Doctor's Degrees	100	152	52
First-Professional Degrees	282	273	-9
All Other Awards	290	329	39
Totals	13,200	14,561	1,361

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 Southwest 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.

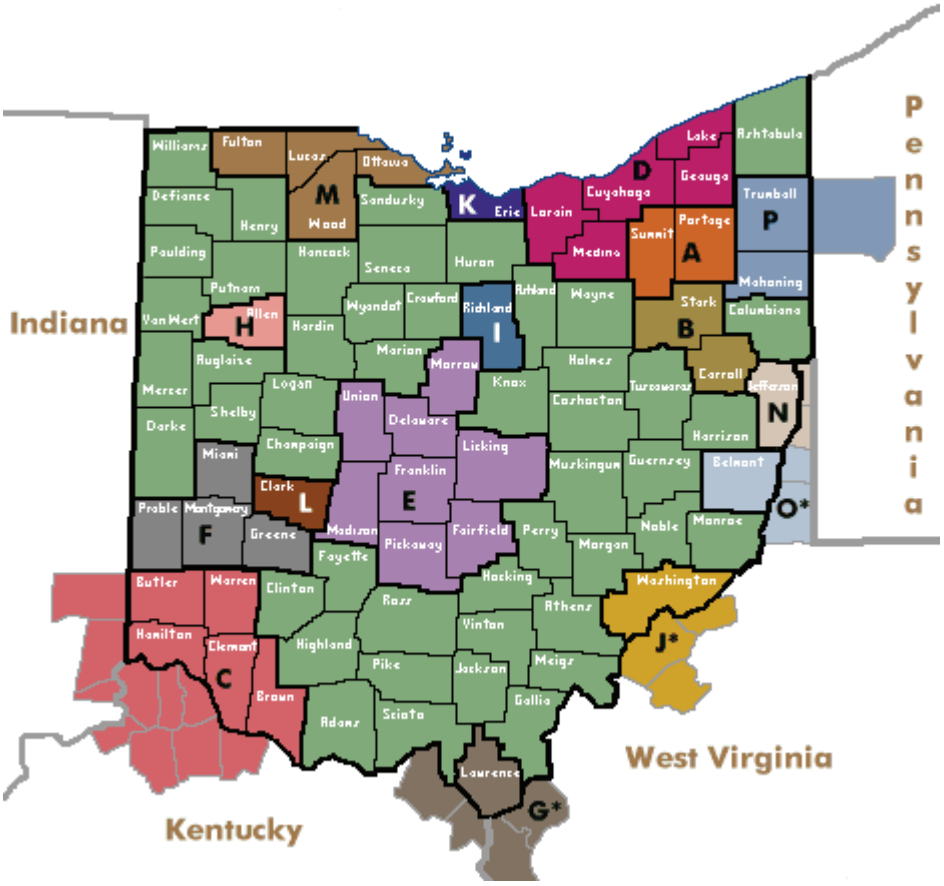
Through 2014, reading comprehension will be the most highly-demanded workplace skill in Southwest Central Ohio, required in over half of all projected job openings. It also has the strongest projected gap between available supply and projected demand. Other skills with high projected supply gaps include speaking, critical thinking, active listening and coordination.

There are several workforce skills that are projected to be in greater demand in this EDR than statewide, including *all* of the top ten ranked skills. More than elsewhere in Ohio, this region will be highly dependant on a highly skilled and trained workforce in the coming years.

Figure 15: Projected Skills Needs for 2014

Skill	Southwest Central Ohio				Ohio	
	Supply Rank	Percent Demand	Gap Index	Repl. Index	Percent Demand	Gap Index
Reading Comprehension	1	52.1%	100	70	48.3%	100
Speaking	4	40.9%	97	68	38.4%	91
Critical Thinking	3	44.8%	94	70	41.9%	94
Active Listening	2	49.6%	91	71	46.6%	97
Coordination	6	39.2%	89	68	36.8%	89
Monitoring	8	37.0%	86	68	34.3%	83
Writing	9	36.3%	83	69	33.6%	80
Active Learning	5	40.4%	80	70	37.4%	86
Time Management	10	34.6%	77	69	31.6%	74
Social Perceptiveness	12	30.7%	74	67	28.6%	69
Instructing	7	38.1%	71	69	34.1%	77
Learning Strategies	11	34.2%	69	69	31.3%	71
Service Orientation	14	26.7%	66	65	25.4%	66
Persuasion	15	24.0%	63	68	22.2%	60
Judgment and Decision Making	13	25.2%	60	69	23.6%	63
Complex Problem Identification	16	24.1%	57	69	21.3%	57
Mathematics	17	20.8%	54	69	18.9%	54
Negotiation	20	12.3%	51	75	12.0%	49
Equipment Selection	18	18.3%	49	73	16.0%	51
Management of Personnel Resources	21	10.5%	46	76	10.1%	46
Systems Evaluation	30	5.3%	43	59	4.3%	29
Troubleshooting	19	13.1%	40	75	11.0%	43
Operations Analysis	29	6.0%	37	66	5.2%	31
Management of Financial Resources	26	6.6%	34	75	6.6%	37
Installation	23	8.8%	31	75	7.6%	40
Systems Analysis	33	3.8%	29	57	3.2%	26
Science	31	4.5%	26	65	3.9%	23
Equipment Maintenance	22	10.3%	23	77	9.3%	34
Technology Design	34	3.5%	20	56	2.9%	17
Repairing	28	6.2%	17	78	5.9%	20
Management of Material Resources	32	3.7%	14	75	3.5%	14
Programming	35	1.2%	11	46	1.0%	9
Operation and Control	27	6.7%	9	78	5.4%	6
Quality Control	24	7.8%	6	78	6.0%	11
Operation Monitoring	25	7.7%	3	83	6.8%	3

Appendix B: Ohio's Metropolitan Statistical Areas



A. **Akron MSA:** Portage and Summit Counties.

B. **Canton-Massillon MSA:** Carroll and Stark Counties.

C. **Cincinnati-Middletown 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.

*Statistical Areas in other states that include Ohio counties

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.

Appendix C: Detailed County-to-County Commuting Patterns

Champaign					
	Percent of workers that work outside the county -		53.1%		
	Average commute time in minutes -		25.0		
Number of workers 16+ years of age living in Champaign County		18,905		Number of workers 16+ years of age working in Champaign County	12,897
Commute Out To	Number	Percent		Commute In From	Number	Percent
Clark Co. OH	3,493	18.5%		Clark Co. OH	1,299	10.1%
Union Co. OH	1,802	9.5%		Logan Co. OH	707	5.5%
Logan Co. OH	1,118	5.9%		Montgomery Co. OH	675	5.2%
Franklin Co. OH	886	4.7%		Miami Co. OH	426	3.3%
Miami Co. OH	827	4.4%		Franklin Co. OH	163	1.3%
Montgomery Co. OH	662	3.5%		Greene Co. OH	121	0.9%
Shelby Co. OH	354	1.9%		Shelby Co. OH	104	0.8%
Madison Co. OH	265	1.4%		Madison Co. OH	91	0.7%
Greene Co. OH	239	1.3%		Union Co. OH	80	0.6%
Summit Co. OH	47	0.2%		Jefferson Co. OH	42	0.3%

Clark					
	Percent of workers that work outside the county -		31.5%		
	Average commute time in minutes -		21.6		
Number of workers 16+ years of age living in Clark County		65,887		Number of workers 16+ years of age working in Clark County	57,637
Commute Out To	Number	Percent		Commute In From	Number	Percent
Montgomery Co. OH	7,856	11.9%		Champaign Co. OH	3,493	6.1%
Greene Co. OH	5,508	8.4%		Montgomery Co. OH	2,517	4.4%
Franklin Co. OH	1,437	2.2%		Greene Co. OH	2,516	4.4%
Champaign Co. OH	1,299	2.0%		Miami Co. OH	882	1.5%
Miami Co. OH	1,240	1.9%		Franklin Co. OH	446	0.8%
Madison Co. OH	1,092	1.7%		Madison Co. OH	373	0.6%
Union Co. OH	775	1.2%		Logan Co. OH	256	0.4%
Hamilton Co. OH	205	0.3%		Preble Co. OH	142	0.2%
Logan Co. OH	186	0.3%		Warren Co. OH	125	0.2%
Shelby Co. OH	132	0.2%		Fayette Co. OH	124	0.2%

Clinton					
	Percent of workers that work outside the county -		30.4%		
	Average commute time in minutes -		23.8		
Number of workers 16+ years of age living in Clinton County		19,949		Number of workers 16+ years of age working in Clinton County	24,277
Commute Out To	Number	Percent		Commute In From	Number	Percent
Hamilton Co. OH	1,498	7.5%		Highland Co. OH	3,789	15.6%
Warren Co. OH	1,079	5.4%		Fayette Co. OH	1,229	5.1%
Montgomery Co. OH	782	3.9%		Warren Co. OH	1,038	4.3%
Highland Co. OH	534	2.7%		Greene Co. OH	808	3.3%
Clermont Co. OH	483	2.4%		Brown Co. OH	466	1.9%
Greene Co. OH	451	2.3%		Montgomery Co. OH	419	1.7%
Fayette Co. OH	351	1.8%		Clermont Co. OH	403	1.7%
Butler Co. OH	265	1.3%		Adams Co. OH	293	1.2%
Franklin Co. OH	132	0.7%		Hamilton Co. OH	240	1.0%
Boone Co. KY	104	0.5%		Ross Co. OH	222	0.9%

Darke					
Percent of workers that work outside the county -		36.8%			
Average commute time in minutes -		22.8			
Number of workers 16+ years of age living in Darke County		25,303		Number of workers 16+ years of age working in Darke County	19,871
Commute Out To	Number	Percent		Commute In From	Number	Percent
Montgomery Co. OH	2,557	10.1%		Miami Co. OH	813	4.1%
Miami Co. OH	2,429	9.6%		Randolph Co. IN	659	3.3%
Shelby Co. OH	1,131	4.5%		Montgomery Co. OH	647	3.3%
Randolph Co. IN	582	2.3%		Mercer Co. OH	519	2.6%
Mercer Co. OH	545	2.2%		Preble Co. OH	311	1.6%
Preble Co. OH	468	1.8%		Shelby Co. OH	238	1.2%
Wayne Co. IN	455	1.8%		Auglaize Co. OH	121	0.6%
Auglaize Co. OH	278	1.1%		Wayne Co. IN	109	0.5%
Greene Co. OH	154	0.6%		Greene Co. OH	58	0.3%
Clark Co. OH	115	0.5%		Clark Co. OH	58	0.3%

Greene					
Percent of workers that work outside the county -		44.5%			
Average commute time in minutes -		20.3			
Number of workers 16+ years of age living in Greene County		72,958		Number of workers 16+ years of age working in Greene County	76,312
Commute Out To	Number	Percent		Commute In From	Number	Percent
Montgomery Co. OH	24,925	34.2%		Montgomery Co. OH	24,214	31.7%
Clark Co. OH	2,516	3.4%		Clark Co. OH	5,508	7.2%
Clinton Co. OH	808	1.1%		Miami Co. OH	1,514	2.0%
Warren Co. OH	797	1.1%		Warren Co. OH	1,321	1.7%
Hamilton Co. OH	610	0.8%		Clinton Co. OH	451	0.6%
Miami Co. OH	522	0.7%		Butler Co. OH	400	0.5%
Franklin Co. OH	441	0.6%		Hamilton Co. OH	245	0.3%
Butler Co. OH	358	0.5%		Champaign Co. OH	239	0.3%
Fayette Co. OH	350	0.5%		Franklin Co. OH	236	0.3%
Champaign Co. OH	121	0.2%		Preble Co. OH	220	0.3%

Miami					
Percent of workers that work outside the county -		37.4%			
Average commute time in minutes -		20.1			
Number of workers 16+ years of age living in Miami County		49,799		Number of workers 16+ years of age working in Miami County	44,378
Commute Out To	Number	Percent		Commute In From	Number	Percent
Montgomery Co. OH	11,368	22.8%		Montgomery Co. OH	4,722	10.6%
Shelby Co. OH	2,438	4.9%		Darke Co. OH	2,429	5.5%
Greene Co. OH	1,514	3.0%		Shelby Co. OH	1,902	4.3%
Clark Co. OH	882	1.8%		Clark Co. OH	1,240	2.8%
Darke Co. OH	813	1.6%		Champaign Co. OH	827	1.9%
Champaign Co. OH	426	0.9%		Greene Co. OH	522	1.2%
Hamilton Co. OH	142	0.3%		Auglaize Co. OH	200	0.5%
Preble Co. OH	130	0.3%		Preble Co. OH	182	0.4%
Auglaize Co. OH	126	0.3%		Hamilton Co. OH	120	0.3%
Butler Co. OH	95	0.2%		Logan Co. OH	117	0.3%

Montgomery					
Percent of workers that work outside the county -		18.6%			
Average commute time in minutes -		21.2			
Number of workers 16+ years of age living in Montgomery County		259,419		Number of workers 16+ years of age working in Montgomery County	288,140
Commute Out To	Number	Percent		Commute In From	Number	Percent
Greene Co. OH	24,214	9.3%		Greene Co. OH	24,925	8.7%
Miami Co. OH	4,722	1.8%		Miami Co. OH	11,368	3.9%
Warren Co. OH	4,488	1.7%		Warren Co. OH	11,325	3.9%
Hamilton Co. OH	2,698	1.0%		Clark Co. OH	7,856	2.7%
Butler Co. OH	2,622	1.0%		Preble Co. OH	4,837	1.7%
Clark Co. OH	2,517	1.0%		Butler Co. OH	4,635	1.6%
Franklin Co. OH	1,022	0.4%		Darke Co. OH	2,557	0.9%
Preble Co. OH	933	0.4%		Hamilton Co. OH	1,747	0.6%
Champaign Co. OH	675	0.3%		Clinton Co. OH	782	0.3%
Darke Co. OH	647	0.2%		Champaign Co. OH	662	0.2%

Preble					
Percent of workers that work outside the county -		54.1%			
Average commute time in minutes -		26.7			
Number of workers 16+ years of age living in Preble County		20,226		Number of workers 16+ years of age working in Preble County	12,119
Commute Out To	Number	Percent		Commute In From	Number	Percent
Montgomery Co. OH	4,837	23.9%		Montgomery Co. OH	933	7.7%
Butler Co. OH	2,575	12.7%		Wayne Co. IN	588	4.9%
Wayne Co. IN	1,499	7.4%		Darke Co. OH	468	3.9%
Hamilton Co. OH	388	1.9%		Butler Co. OH	239	2.0%
Warren Co. OH	336	1.7%		Miami Co. OH	130	1.1%
Darke Co. OH	311	1.5%		Randolph Co. IN	66	0.5%
Greene Co. OH	220	1.1%		Greene Co. OH	58	0.5%
Miami Co. OH	182	0.9%		Hamilton Co. OH	50	0.4%
Clark Co. OH	142	0.7%		Warren Co. OH	35	0.3%
Union Co. IN	50	0.2%		Union Co. IN	35	0.3%

Shelby					
Percent of workers that work outside the county -		22.9%			
Average commute time in minutes -		17.4			
Number of workers 16+ years of age living in Shelby County		23,582		Number of workers 16+ years of age working in Shelby County	29,169
Commute Out To	Number	Percent		Commute In From	Number	Percent
Miami Co. OH	1,902	8.1%		Auglaize Co. OH	3,002	10.3%
Auglaize Co. OH	1,370	5.8%		Miami Co. OH	2,438	8.4%
Montgomery Co. OH	592	2.5%		Logan Co. OH	1,151	3.9%
Logan Co. OH	307	1.3%		Darke Co. OH	1,131	3.9%
Allen Co. OH	269	1.1%		Allen Co. OH	1,002	3.4%
Darke Co. OH	238	1.0%		Mercer Co. OH	621	2.1%
Champaign Co. OH	104	0.4%		Montgomery Co. OH	530	1.8%
Mercer Co. OH	103	0.4%		Champaign Co. OH	354	1.2%
Clark Co. OH	99	0.4%		Clark Co. OH	132	0.5%
Union Co. OH	49	0.2%		Hardin Co. OH	96	0.3%

Source: U.S. Census Bureau, 2004.

Appendix D: Major Employers by County

Champaign	
Community Mercy Health Partners	Health Care
Graham Local Board of Education	Government
Honeywell International, Inc.	Manufacturing
KTH Parts Industries, Inc.	Manufacturing
Menasha Corp./ORBIS	Manufacturing
Urbana City Board of Education	Government
Urbana University	Education
Wal-Mart Stores, Inc.	Retail
Clark	
Assurant, Inc.	Insurance
Community Mercy Health Partners	Health Care
Dole Fresh Vegetables	Manufacturing
Gordon Food Service	Wholesale
International Truck and Engine Corp.	Manufacturing
Marathon/Speedway SuperAmerica LLC	Retail
Mercy Medical Center	Health Care
Ohio Masonic Home	Health Care
Springfield City Board of Education	Government
Wittenberg University	Education
Clinton	
ABX Air, Inc.	Transportation
Ahresty Wilmington Corp.	Manufacturing
Alkermes, Inc.	Manufacturing
Clinton Memorial Hospital	Health Care
Ferno-Washington, Inc.	Manufacturing
Nippon Seiki/New Sabina Industries	Manufacturing
R & L Carriers	Transportation
Showa Corp./American Showa	Manufacturing
Textron Company	Manufacturing
Wilmington City Board of Education	Government
Wilmington College	Education
Darke	
Brethren Retirement Community	Health Care
Ernie Green/Florida Production Eng.	Manufacturing
Greenville City Board of Education	Government
Honeywell International, Inc.	Manufacturing
Midmark Corp.	Manufacturing
Morioku Co./Greenville Technology	Manufacturing
Wal-Mart Stores, Inc.	Retail
Wayne Hospital	Health Care
Whirlpool Corp./KitchenAid	Manufacturing
Whiteford Food Products, Inc.	Manufacturing

Greene	
Beavercreek Local Board of Education	Government
Cedarville University	Education
Fairborn City Board of Education	Government
Fifth Third Bank	Finance
General Electric Co./Unison Industries	Manufacturing
Greene Memorial Hospital	Health Care
SAIC, Inc.	Research
Supervalu, Inc.	Retail
U.S. Federal Government/Wright-Patterson AFB	Government
Wright State University	Education
Xenia City Board of Education	Government
Miami	
A.O. Smith Corp.	Manufacturing
Crane Co.	Manufacturing
Evenflo Company, Inc.	Manufacturing
Faurecia SA	Manufacturing
F-Tech, Inc./F&P America	Manufacturing
Goodrich Corp.	Manufacturing
Illinois Tool Works, Inc./Hobart	Manufacturing
Jackson Tube Service	Manufacturing
Meijer, Inc.	Retail
Troy City Board of Education	Government
Upper Valley Medical Center	Health Care
Montgomery	
Behr Dayton Thermal Products, LLC	Manufacturing
Dayton City Board of Education	Government
DPL, Inc./Dayton Power & Light Co.	Utilities
General Motors Corp.	Manufacturing
Kettering Medical Center	Health Care
NCR Corp.	Manufacturing
Premier Health Partners, Inc.	Health Care
Reed Elsevier/LexisNexis	Publishing
Reynolds & Reynolds Co., Inc.	Manufacturing
University of Dayton	Education
U.S. Federal Government	Government
Preble	
Akey, Inc.	Manufacturing
Bullen Ultrasonics, Inc.	Manufacturing
Eaton City Board of Education	Government
Henny Penny Corp.	Manufacturing
Nihon Plastics/Neaton Auto Products	Manufacturing
Parker-Hannifin Corp.	Manufacturing
Pratt Industries/Love Box Co.	Manufacturing
Proctor & Gamble/Iams Co.	Manufacturing
Weyerhaeuser Co.	Manufacturing
Zumstein, Inc.	Transportation
Shelby	
Emerson Climate Technologies	Manufacturing
Griffon Corp./Cloplay Corp.	Manufacturing
Honda Motor Co., Ltd.	Manufacturing
International Automotive Components	Manufacturing
Nippon Konpo Unyu/NK Parts Inds.	Wholesale
Plastipak Packaging, Inc.	Manufacturing
Sidney City Board of Education	Government
Superior Metal Products/Am Trim	Manufacturing
Wal-Mart Stores, Inc.	Retail
Wilson 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
Air Force Institute of Technology	Two-Year	2950 Hobson Way-Wright Patterson AFB, Dayton, OH 45433	(937) 255-3636	www.afit.edu
Antioch College	Four-Year	795 Livermore St, Yellow Springs, OH 45387	(937) 769-1000	www.antioch-college.edu
Antioch Univ PhD In Leadership & Change	Four-Year	150 E South College St, Yellow Springs, OH 45387	(937) 769-1360	www.phd.antioch.edu
Antioch University McGregor	Four-Year	800 Livermore St, Yellow Springs, OH 45387	(937) 769-1800	www.mcgregor.edu
Antioch University-System Administration	Four-Year	150 E South College, Yellow Springs, OH 45387	(937) 769-1372	www.antioch.edu
Carousel Beauty College	Two-Year	125 E Second St, Dayton, OH 45402	(937) 224-1454	carouselbeauty.com
Carousel Beauty College	Two-Year	1475 Upper Valley Pike, Springfield, OH 45504	(937) 323-0277	carouselbeauty.com
Carousel Beauty College	Two-Year	3120 Woodman Dr, Kettering, OH 45420	(937) 928-5752	carouselbeauty.com
Carousel of Miami Valley Beauty College	Two-Year	7809 Waynetowne Blvd, Huber Heights, OH 45424	(937) 233-8818	carouselbeauty.com
Cedarville University	Four-Year	251 N. Main Street, Cedarville, OH 45314	(937) 766-2211	www.cedarville.edu
Central State University	Four-Year	1400 Brush Row Rd, Wilberforce, OH 45384	(937) 376-6011	www.centralstate.edu
Clark State Community College	Two-Year	570 E Leffel Ln, Springfield, OH 45501	(937) 328-6070	www.clarkstate.edu
Community Hospital School of Nursing	Two-Year	330 S Burnett Rd, Springfield, OH 45505	(937) 328-8900	www.chsn.com
Creative Images-A Certified Matrix Design Academy	Two-Year	1076 Kauffman Ave, Fairborn, OH 45324	(937) 878-9555	www.cosmetologyexcellence.com
Creative Images-A Certified Matrix Design Academy	Two-Year	568 Miamisburg-Centrville Rd, Dayton, OH 45459	(937) 433-1944	www.cosmetologyexcellence.com
David Curtis School of Floral Design	Priv. Bus. & Tech.	209 N Main St, Centerville, OH 45459	(937) 433-0566	www.david-curtis-school.com
Dayton Barber College	Two-Year	28 W Fifth St, Dayton, OH 45402	(937) 222-9101	www.daytonbarbercollege.com
Edison State Community College	Two-Year	1973 Edison Dr, Piqua, OH 45356	(937) 778-8600	www.edisonohio.edu
Greene County Career Center	Pub. Adult Sch.	2960 W Enon Rd., Xenia, OH 45385	(937) 372-6941	www.greeneccc.com
Hobart Institute of Welding Technology	Priv. Bus. & Tech.	400 Trade Square East, Troy, OH 45373	(937) 332-5000	www.welding.org
International College of Broadcasting	Two-Year	6 S Smithville Rd, Dayton, OH 45431	(800) 517-7284	www.icb.edu
ITT Technical Institute-Dayton	Two-Year	3325 Stop Eight Rd, Dayton, OH 45414	(937) 264-7700	www.itt-tech.edu
Kettering College of Medical Arts	Four-Year	3737 Southern Blvd, Kettering, OH 45429	(937) 395-8601	kcma.edu
Miami Valley Career Technology Center	Two-Year	6800 Hoke Rd, Clayton, OH 45315	(800) 716-7161	www.mvctc.com
Miami-Jacobs Career College	Two-Year	110 N. Patterson, Dayton, OH 45402	(937) 461-5174	www.miamijacobs.edu
Ohio Business College	Two-Year	5202 Timber Commons Drive, Sandusky, OH 44870	(419) 627-8345	www.ohiobusinesscollege.edu
Ohio Institute of Photography and Technology	Two-Year	2029 Edgefield Rd, Dayton, OH 45439	(937) 294-6155	www.oipt.com
Payne Theological Seminary	Four-Year	Wilberforce, OH 45384	(937) 376-2946	www.payne.edu
RETS Tech Center	Two-Year	555 E Alex Bell Rd, Centerville, OH 45459	(937) 433-3410	www.retstechcenter.com
School of Advertising Art Inc	Two-Year	1725 E David Rd, Kettering, OH 45440	(937) 294-0592	saacollege.com
Sinclair Community College	Two-Year	444 W. Third St., Dayton, OH 45402	(937) 512-3000	www.sinclair.edu
Southwestern College	Two-Year	111 W 1st Street, Dayton, OH 45402	(937) 224-0061	swcollege.net
Springfield Clark County Joint Vocational School	Pub. Adult Sch.	1901 Selma Rd, Springfield, OH 45505	(937) 325-7368	www.springfieldclarkctc.org
United Theological Seminary	Four-Year	4501 Denlinger Rd., Trotwood, OH 45426	(937) 529-2201	www.united.edu

Appendix E: Postsecondary Institutions

Name	Type	Address	Telephone	URL
University of Dayton	Four-Year	300 College Pk, Dayton, OH 45469	(937) 229-1000	www.udayton.edu
Upper Valley Joint Vocational School	Pub. Adult Sch.	8811 Career Dr, Piqua, OH 45356	(937) 778-1980	www.uvjvs.org
Urbana University	Four-Year	579 College Way, Urbana, OH 43078	(937) 484-1301	www.urbana.edu
Wilberforce University	Four-Year	1055 N Bickett Rd, Wilberforce, OH 45384	(937) 376-2911	www.wilberforce.edu
Wilmington College	Four-Year	251 Ludovic St, Wilmington, OH 45177	(800) 341-9318	www.wilmington.edu
Wittenberg University	Four-Year	Ward St at N Wittenberg Ave, Springfield, OH 45504	(937) 327-6231	www.wittenberg.edu
Wright State University-Main Campus	Four-Year	3640 Colonel Glenn Highway, Dayton, OH 45435	(937) 775-3333	www.wright.edu

Source: Integrated Postsecondary Edcucational Data System (IPEDS), College Opportunities Online (COOL)
http://nces.ed.gov/collegenavigator

Appendix F: Degree Completers by Program Class for Economic Development Region 4

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	13	22				18	37			
Natural Resources and Conservation		6				1	12			
Area, Ethnic, Cultural and Gender Studies		35					58			
Communication, Journalism and Related Programs	53	399	3			41	387	15		
Communications Technologies/Technicians and Support Services		9					16			
Computer and Information Sciences and Support Services	235	131	47			205	116	50		
Personal and Culinary Services	7					20				
Education	52	766	1,047	4		60	822	1,036	9	
Engineering	45	323	278	23		39	360	610	46	
Engineering Technologies/Technicians	239	59				270	64	18		
Foreign Languages, Literatures and Linguistics	22	48				13	62			
Family and Consumer Sciences/Human Sciences	16	9				13	9			
Legal Professions and Studies	73	4			163	60	2			163
English Language and Literature/Letters	8	188	34			3	196	54		
Liberal Arts and Sciences, General Studies and Humanities	280	71	14			311	86	20		
Biological and Biomedical Sciences	9	209	42			10	229	45	7	
Mathematics and Statistics	6	58	9			7	61	18	1	
Military Technologies								13		
Multi/Interdisciplinary Studies	39	47	58	4		30	45	51	6	
Parks, Recreation, Leisure and Fitness Studies		90	2				99	1		
Philosophy and Religious Studies		50					53			
Theology and Religious Vocations		68	16	44	34		79	20	54	28
Physical Sciences	3	62	51	2		3	70	44	5	
Psychology	10	405	131	23		8	362	115	24	
Security and Protective Services	100	81				141	61			
Public Administration and Social Service Professions	47	83	34			42	98	37		
Social Sciences	4	349	5			7	374	20		
Mechanic and Repair Technologies/Trades	1									
Precision Production						2				
Transportation and Materials Moving	6					4				
Visual and Performing Arts	242	203	5			276	253	5		
Health Professions and Related Clinical Sciences	744	390	62		85	901	448	93		82
Business, Management, Marketing and Related Support Services	415	1,458	400			435	1,481	615		
History	1	81	22			2	104	10		
Total, All Programs	**2,670**	**5,704**	**2,260**	**100**	**282**	**2,922**	**6,044**	**2,890**	**152**	**273**

Source: Integrated Postsecondary Edcucational 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

OHIO Job & Family SERVICES