

Ohio County Profiles



Department of
Development

Prepared by the Office of Strategic Research

Region 7

2006 Population: 437,592

Land Area: 5,130.0 square miles

Regional Economic Development Office Location:

15 North Paint St, Suite 102

Chillicothe, OH 45601-3116

Phone: (740) 775-0612 Fax: (740) 775-0604



Taxes

Taxable value of real property	\$4,882,713,850
Residential	\$3,272,447,760
Agriculture	\$735,587,050
Industrial	\$184,763,280
Commercial	\$685,307,080
Mineral	\$4,608,680
Ohio income tax liability	\$177,669,440
Average per return	\$1,015.00

Land Use/Land Cover

	Percent
Urban (Residential/Commercial/Industrial/ Transportation and Urban Grasses)	2.11%
Cropland	23.74%
Pasture	12.37%
Forest	60.65%
Open Water	0.75%
Wetlands (Wooded/Herbaceous)	0.00%
Bare/Mines	0.39%

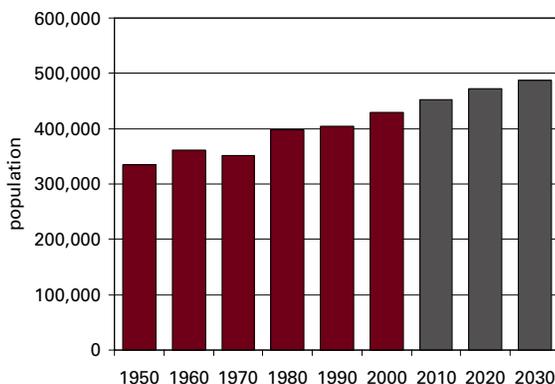
Largest Areas

	Census 2000	Est. 2006
Chillicothe, Ross Co.	21,796	22,216
Portsmouth, Scioto Co.	20,909	20,132
Union twp, Ross Co.	11,750	11,880
Ironton, Lawrence Co.	11,211	11,416
Porter twp, Scioto Co.	9,892	10,858
Rome twp UB, Lawrence Co.	8,366	8,425
Union twp UB, Lawrence Co.	7,540	7,584
Fayette twp UB, Lawrence Co.	6,750	6,792
Hillsboro, Highland Co.	6,368	6,694
Huntington twp, Ross Co.	6,018	6,254

UB: Unincorporated Balance

Total Population

Census		Estimated		Projected	
1800	11,972	1900	302,670	2001	430,730
1810	38,294	1910	291,673	2002	432,551
1820	81,035	1920	293,459	2003	434,157
1830	106,366	1930	309,141	2004	434,954
1840	137,371	1940	335,479	2005	436,083
1850	187,832	1950	335,400	2006	437,592
1860	227,915	1960	360,891		
1870	256,242	1970	350,565		
1880	287,043	1980	398,199		
1890	288,367	1990	404,087	2010	452,040
		2000	429,560	2020	472,300
				2030	487,420



Population by Race	Number	Percent
Total Population	429,560	100.0%
White	410,616	95.6%
African-American	10,020	2.3%
Native American	1,804	0.4%
Asian	1,414	0.3%
Pacific Islander	107	0.0%
Other	555	0.1%
Two or More Races	5,044	1.2%
Hispanic (may be of any race)	2,520	0.6%
Total Minority	20,509	4.8%

Educational Attainment	Number	Percent
Persons 25 years and over	282,166	100.0%
No high school diploma	72,800	25.8%
High school graduate	120,754	42.8%
Some college, no degree	45,936	16.3%
Associate degree	14,376	5.1%
Bachelor's degree	17,835	6.3%
Master's degree or higher	10,465	3.7%

Family Type by Employment Status	Number	Percent
Total Families	118,601	100.0%
Married couple, husband and wife in labor force	41,983	35.4%
Married couple, husband in labor force, wife not	22,431	18.9%
Married couple, wife in labor force, husband not	8,035	6.8%
Married couple, husband and wife not in labor force	20,740	17.5%
Male householder, in labor force	4,497	3.8%
Male householder, not in labor force	2,235	1.9%
Female householder, in labor force	11,122	9.4%
Female householder, not in labor force	7,558	6.4%

Household Income in 1999	Number	Percent
Total Households	164,534	100.0%
Less than \$10,000	22,830	13.9%
\$10,000 to \$19,999	28,479	17.3%
\$20,000 to \$29,999	25,995	15.8%
\$30,000 to \$39,999	22,967	14.0%
\$40,000 to \$49,999	18,317	11.1%
\$50,000 to \$59,999	14,352	8.7%
\$60,000 to \$74,999	13,149	8.0%
\$75,000 to \$99,999	11,194	6.8%
\$100,000 to \$149,999	5,016	3.0%
\$150,000 to \$199,999	974	0.6%
\$200,000 or more	1,261	0.8%
Median household income	\$32,027	

Population by Age	Number	Percent
Total Population	429,560	100.0%
Under 6 years	33,344	7.8%
6 to 17 years	75,774	17.6%
18 to 24 years	38,276	8.9%
25 to 44 years	124,585	29.0%
45 to 64 years	99,810	23.2%
65 years and more	57,771	13.4%
Median Age	36.5	

Family Type by Presence of Own Children Under 18	Number	Percent
Total Families	118,601	100.0%
Married-couple families with own children	40,836	34.4%
Male householder, no wife present, with own children	3,924	3.3%
Female householder, no husband present, with own children	10,944	9.2%
Families with no own children	62,897	53.0%

Poverty Status in 1999 of Families By Family Type by Presence Of Related Children	Number	Percent
Total Families	118,601	100.0%
Family income above poverty level	103,700	87.4%
Family income below poverty level	14,901	12.6%
Married couple, with related children	4,500	30.2%
Male householder, no wife present, with related children	1,103	7.4%
Female householder, no husband present, with related children	5,620	37.7%
Families with no related children	3,678	24.7%

Ratio of Income in 1999 To Poverty Level	Number	Percent
Population for whom poverty status is determined	416,205	100.0%
Below 50% of poverty level	26,804	6.4%
50% to 99% of poverty level	40,194	9.7%
100% to 149% of poverty level	46,616	11.2%
150% to 199% of poverty level	45,394	10.9%
200% of poverty level or more	257,197	61.8%

Residence in 1995	Number	Percent
Population 5 years and over	401,712	100.0%
Same house in 1995	242,892	60.5%
Different house, same county	98,156	24.4%
Different county, same state	39,503	9.8%
Different state	19,602	4.9%
Puerto Rico or U.S. islands	48	0.0%
Foreign country	1,511	0.4%

Travel Time To Work

	Number	Percent
Workers 16 years and over	169,229	100.0%
Less than 15 minutes	48,680	28.8%
15 to 29 minutes	56,025	33.1%
30 to 44 minutes	27,998	16.5%
45 to 59 minutes	12,682	7.5%
60 minutes or more	19,411	11.5%
Worked at home	4,433	2.6%

Mean travel time 28.6 minutes

Housing Units

	Number	Percent
Total housing units	181,964	100.0%
Occupied housing units	164,397	90.3%
Owner occupied	121,436	66.7%
Renter occupied	42,961	23.6%
Vacant housing units	17,567	9.7%

Year Structure Built

	Number	Percent
Total housing units	181,964	100.0%
Built 1995 to March 2000	19,716	10.8%
Built 1990 to 1994	14,735	8.1%
Built 1980 to 1989	22,911	12.6%
Built 1970 to 1979	31,901	17.5%
Built 1960 to 1969	20,917	11.5%
Built 1950 to 1959	21,281	11.7%
Built 1940 to 1949	13,415	7.4%
Built 1939 or earlier	37,088	20.4%

Median year built 1960

Value for Specified Owner-Occupied Housing Units

	Number	Percent
Specified owner-occupied housing units	78,723	100.0%
Less than \$20,000	2,081	2.6%
\$20,000 to \$39,999	8,412	10.7%
\$40,000 to \$59,999	14,478	18.4%
\$60,000 to \$79,999	17,862	22.7%
\$80,000 to \$99,999	15,090	19.2%
\$100,000 to \$124,999	8,226	10.4%
\$125,000 to \$149,999	5,493	7.0%
\$150,000 to \$199,999	4,503	5.7%
\$200,000 to \$249,999	1,433	1.8%
\$250,000 to \$499,999	1,039	1.3%
\$500,000 to \$999,999	70	0.1%
\$1,000,000 or more	36	0.0%

Median value \$76,065

House Heating Fuel

	Number	Percent
Occupied housing units	164,397	100.0%
Utility gas	51,925	31.6%
Bottled, tank or LP gas	30,265	18.4%
Electricity	57,528	35.0%
Fuel oil, kerosene, etc	16,137	9.8%
Coal, coke or wood	7,537	4.6%
Solar energy or other fuel	682	0.4%
No fuel used	323	0.2%

Gross Rent

	Number	Percent
Specified renter-occupied housing units	40,868	100.0%
Less than \$100	794	1.9%
\$100 to \$199	3,643	8.9%
\$200 to \$299	4,319	10.6%
\$300 to \$399	8,421	20.6%
\$400 to \$499	8,734	21.4%
\$500 to \$599	5,670	13.9%
\$600 to \$699	2,381	5.8%
\$700 to \$799	874	2.1%
\$800 to \$899	439	1.1%
\$900 to \$999	145	0.4%
\$1,000 to \$1,499	242	0.6%
\$1,500 or more	123	0.3%
No cash rent	5,083	12.4%

Median gross rent \$408

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	46,335	100.0%
Less than \$400	2,777	6.0%
\$400 to \$599	10,967	23.7%
\$600 to \$799	13,488	29.1%
\$800 to \$999	8,849	19.1%
\$1,000 to \$1,249	5,520	11.9%
\$1,250 to \$1,499	2,591	5.6%
\$1,500 to \$1,999	1,601	3.5%
\$2,000 to \$2,999	436	0.9%
\$3,000 or more	106	0.2%

Median monthly owners cost \$736

Median monthly owners cost as a percentage of household income

Vital Statistics

	Number	Rate
Births / rate per 1,000 women aged 15-44	5,683	63.9
Teen births / rate per 1,000 females 15-17	223	24.0
Deaths / rate per 100,000 population	4,770	1,091.5
Marriages / rate per 1,000 population	2,751	6.3
Divorces / rate per 1,000 population	1,940	4.4

Migration

Agriculture

Land in farms (acres)	1,390,000
Number of farms	8,370
Average size (acres)	166
Total cash receipts	\$212,297,000
Per farm	\$25,273

Education

Public schools	183
Students (Average Daily Membership)	78,215
Expenditures per student	\$8,178
Student-teacher ratio	
Graduation rate	
Teachers (Full Time Equivalent)	4,556.7
Non-public schools	16
Students	1,410
4-year public universities	1
Branches	2
2-year public colleges	2
Private universities and colleges	2
Public libraries (Main / Branches)	13 / 31

Transportation

Registered motor vehicles	532,475
Passenger cars	311,101
Noncommercial trucks	120,436
Total license revenue	\$13,815,760.66
Interstate highway miles	0.00
Turnpike miles	0.00
U.S. highway miles	443.61
State highway miles	1,515.27
Commercial airports	10

Voting

Number of precincts	474
Number of registered voters	273,173
Voted in 2006 election	146,495
Percent turnout	53.6%

Health Care

Physicians (MDs & DOs)	569
Registered hospitals	8
Number of beds	1,232
Licensed nursing homes	49
Number of beds	4,138
Licensed residential care	15
Number of beds	1,028
Adults with employer-based insurance	51.7%
Children with employer-based insurance	51.2%

State Parks, Forests, Nature Preserves, And Wildlife Areas

Facilities	72
Acreage	196,366.63

Communications

Television stations	0
Radio stations	21
Daily newspapers	5
Circulation	49,514

Crime

Total crimes reported in Uniform Crime Report	14,951
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Finance

FDIC insured financial institutions (HQs)	23
Assets	\$5,519,843,000
Branch offices	150
Institutions represented	35

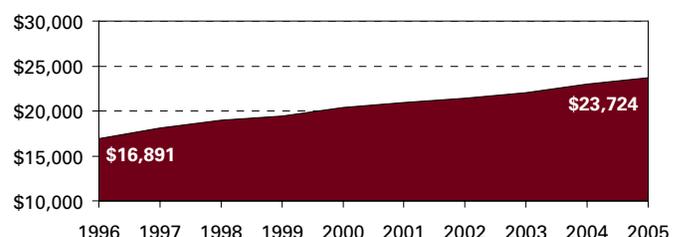
Transfer Payments

Total transfer payments	\$2,830,992,000
Payments to individuals	\$2,713,154,000
Retirement and disability	\$952,726,000
Medical payments	\$1,268,028,000
Income maintenance (Supplemental SSI, family assistance, food stamps, etc)	\$348,511,000
Unemployment benefits	\$50,632,000
Veterans benefits	\$72,660,000
Federal education and training assistance	\$19,112,000
Other payments to individuals	\$1,485,000
Total personal income	\$10,345,812,000
Dependency ratio	27.4%

Federal Expenditures

Direct expenditures or obligations	\$2,781,557,600
Retirement and disability	\$1,124,288,609
Other direct payments	\$569,097,430
Grant awards	\$850,193,862
Highway planning and construction	\$23,540,212
Temporary assistance to needy families	\$28,607,324
Medical assistance program	\$644,532,148
Procurement contract awards	\$109,457,660
Dept. of Defense	\$3,061,593
Salary and wages	\$128,520,039
Dept. of Defense	\$7,831,000
Other federal assistance	\$457,671,853
Direct loans	\$26,240,878
Guaranteed loans	\$128,876,808
Insurance	\$302,554,167

Per Capita Personal Income



Civilian Labor Force

	2002	2003	2004	2005	2006
Civilian labor force	193,500	195,400	196,700	197,500	199,300
Employed	179,300	180,000	181,300	183,000	186,000
Unemployed	14,300	15,400	15,400	14,500	13,300
Unemployment rate	7.4	7.9	7.8	7.3	6.7

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	124,111	124,017	\$3,511,233	\$3,594,596
Private Sector	96,699	97,956	\$2,664,719	\$2,762,863
Agriculture, forestry, fishing and hunting	342	282	\$6,942	\$5,355
Mining	394	403	\$15,138	\$15,168
Utilities	1,286	1,285	\$74,559	\$78,019
Construction	4,917	4,715	\$170,036	\$165,663
Manufacturing	20,274	20,831	\$795,981	\$822,570
Wholesale trade	1,992	2,137	\$60,419	\$68,966
Retail trade	17,739	17,302	\$331,245	\$334,016
Transportation and warehousing	2,285	2,358	\$77,467	\$84,194
Information	1,727	1,581	\$62,217	\$56,970
Finance and insurance	3,260	3,365	\$109,815	\$117,317
Real estate and rental and leasing	971	909	\$19,178	\$17,364
Professional and technical services	1,521	1,369	\$43,827	\$42,144
Management of companies and enterprises	405	377	\$16,724	\$12,739
Administrative and waste services	3,863	3,585	\$81,644	\$77,810
Educational services	493	518	\$8,419	\$8,934
Health care and social assistance	14,913	16,032	\$422,351	\$463,281
Arts, entertainment, and recreation	572	591	\$6,017	\$6,132
Accommodation and food services	9,907	10,913	\$94,913	\$106,985
Other services, except public administration	2,759	2,735	\$48,180	\$48,885
State and Local Government	25,219	26,060	\$787,089	\$831,732
State government	4,440	4,479	\$169,354	\$177,099
Local government	18,885	18,844	\$555,296	\$566,786
Federal Government	2,241	1,972	\$120,534	\$106,372

-1 or \$0 indicates suppression for confidentiality

Business Numbers

	2002	2003	2004	2005	2006
Business starts	843	1,044	839	742	828
Active businesses	7,971	8,005	8,055	8,024	7,899

Residential

Construction

	2002	2003	2004	2005	2006
Total units	437	692	763	728	685
Total valuation (000)	\$40,322	\$69,265	\$87,259	\$83,448	\$75,489
Total single-unit bldgs	340	605	666	532	484
Average cost per unit	\$109,782	\$110,004	\$123,397	\$138,739	\$131,626
Total multi-unit bldg units	97	87	97	196	201
Average cost per unit	\$30,889	\$31,181	\$52,335	\$49,178	\$58,617

Major Employers

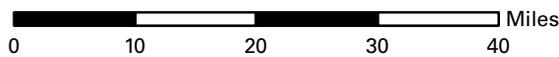
American Electric Power	Utility
Emerson Electric/Liebert Corp	Mfg
General Electric Co	R&D
General Mills Inc	Mfg
Holzer Medical Center	Serv
Illinois Tool Works/Hobart Corp	Mfg
Lancaster Colony/Candle-Lite Inc	Mfg
Masco Corp/Merillat, Mills Pride	Mfg
Michelina's Inc	Mfg
Milacron Inc	Mfg
PACCAR/Kenworth Truck Co	Mfg
PH Glatfelter Co	Mfg
Sunoco In/Sun Coke	Mfg
USEC/United States Enrichment Corp	Mfg

Region 7

Southern Ohio



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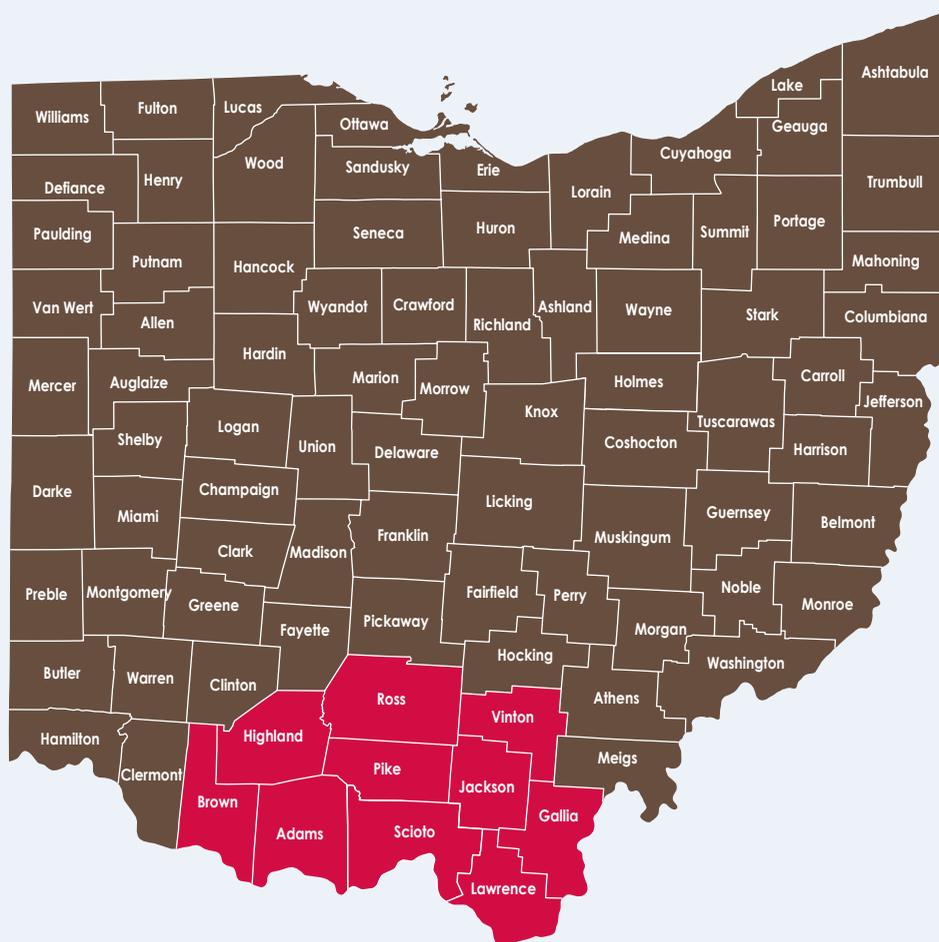
2007 Ohio Private Investment List

Region	County	Company	City	NAICS	Product	Type	Jobs	Investment	Square Feet	New	Exp
7	Adams	GE Aviation	Peebles	54138	Aircraft engine R&D	R&D/MF		\$90,000,000			Exp
7	Adams	Elixir LLC	Seaman	62311	Nursing facility	Health		\$9,600,000		New	
7	Gallia	InfoCision Management	Gallipolis	561422	Call center	CC	47	\$1,100,000	30,000	New	
7	Hocking	S&G Manufacturing Group	Logan	337211	Restaurant furniture	MF/DW	100	\$450,000	182,000	New	
7	Jackson	James H Gettles LLC	Wellston	23311	Spec bldg	SW		\$962,000	25,000	New	
7	Lawrence	Buckeye Ethanol/McGinnis	South Point	325193	Ethanol	MF		\$50,000,000		New	
7	Lawrence	River's Bend HealthCare	Proctorville	62311	Nursing home	Health		\$3,000,000		New	
7	Ross	Rifle Machine Works	Green Twp	33271	Machine shop	MF	25	\$1,500,000	50,000		Exp
7	Scioto	Norfolk Southern	Portsmouth	48821	Rail yard shop	Trans	77	\$2,800,000		New	
7	Scioto	Infra-Metals Co	New Boston	42511	Steel	DW/F	65	\$13,000,000			Exp
Region 7	Totals						1,224	\$1,098,732,000	1,420,200		

Workforce Analysis

Southern Ohio

Economic Development Region 7



*Adams, Brown, Gallia, Highland,
Jackson, Lawrence, Pike, Ross,
Scioto and Vinton Counties*

Workforce Analysis
Economic Development Region 7



October
2007

Workforce Analysis Economic Development Region 7 Southern Ohio

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Executive Summary

- Southern Ohio includes counties in both the Huntington-Ashland and Cincinnati-Middletown MSAs. About 34,000 workers commute outside the region in net.
- All of the counties in this EDR are included in the Appalachian Region. Three counties in this EDR were designated as economically "transitional," five were "at-risk," and two were "distressed" for fiscal year 2007.
- Population in 2006 was about 438,000, an increase of 3.6 percent from 1995. This region has a slightly larger prime working-age population than the rest of the state.
- Nonfarm employment was about 126,000 in 2006, down 1.2 percent from 2000.
- The 2006 unemployment rate was 6.7 percent, higher than the state and national rates that year. Unemployment has fallen 1.2 percentage points from the last peak in 2003.
- Per capita income in 2005 was \$23,724, having grown at a 4.0 percent annual compound rate since 1995.
- 685 residential building permits were issued in Southern Ohio in 2006.
- From 2004 to 2014, about 8,900 jobs are projected to be created in this region. The fastest growing sectors will be professional and business services; education and health services; local government; and leisure and hospitality.
- The fastest growing occupational groups, with more than one thousand new job expected, will be healthcare, followed by education, training and library and food preparation and serving occupations.
- This region has a lower level of overall educational attainment than the rest of Ohio.
- There are 14 postsecondary training providers in Southern Ohio offering nearly 700 different programs. About 2,700 awards were granted in 2006.
- Reading comprehension, critical thinking, active listening, speaking and coordination will be the most important workplace skills to develop 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.

Both of the central cities of the Huntington-Ashland MSA lie outside the state, so Lawrence County—the only Ohio county in this MSA—has the strongest negative net flow of commuters in this region: nearly 10,500 workers. The region's other metropolitan county—Brown County, part of the Cincinnati-Middletown MSA—has the second-strongest negative flow. In total, almost 34,000 commuters leave the region in net to work. This total excludes commuting between counties within the region.

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
Adams	7,882	1,215	15.4%	11,133	4,466	40.1%	-3,251	-57.2%
Brown	9,569	2,809	29.4%	18,691	11,931	63.8%	-9,122	-61.9%
Gallia	12,073	3,242	26.9%	11,813	2,982	25.2%	260	4.2%
Highland	13,240	3,211	24.3%	17,662	7,633	43.2%	-4,422	-40.8%
Jackson	11,892	3,094	26.0%	13,026	4,228	32.5%	-1,134	-15.5%
Lawrence	12,671	2,957	23.3%	23,136	13,422	58.0%	-10,465	-63.9%
Pike	11,837	5,171	43.7%	10,208	3,542	34.7%	1,629	18.7%
Ross	28,140	6,725	23.9%	30,409	8,994	29.6%	-2,269	-14.4%
Scioto	25,573	3,653	14.3%	28,356	6,436	22.7%	-2,783	-27.6%
Vinton	2,800	870	31.1%	4,795	2,865	59.7%	-1,995	-53.4%
Southern Ohio	135,677	14,582	10.7%	169,229	48,404	28.6%	-33,822	-53.7%

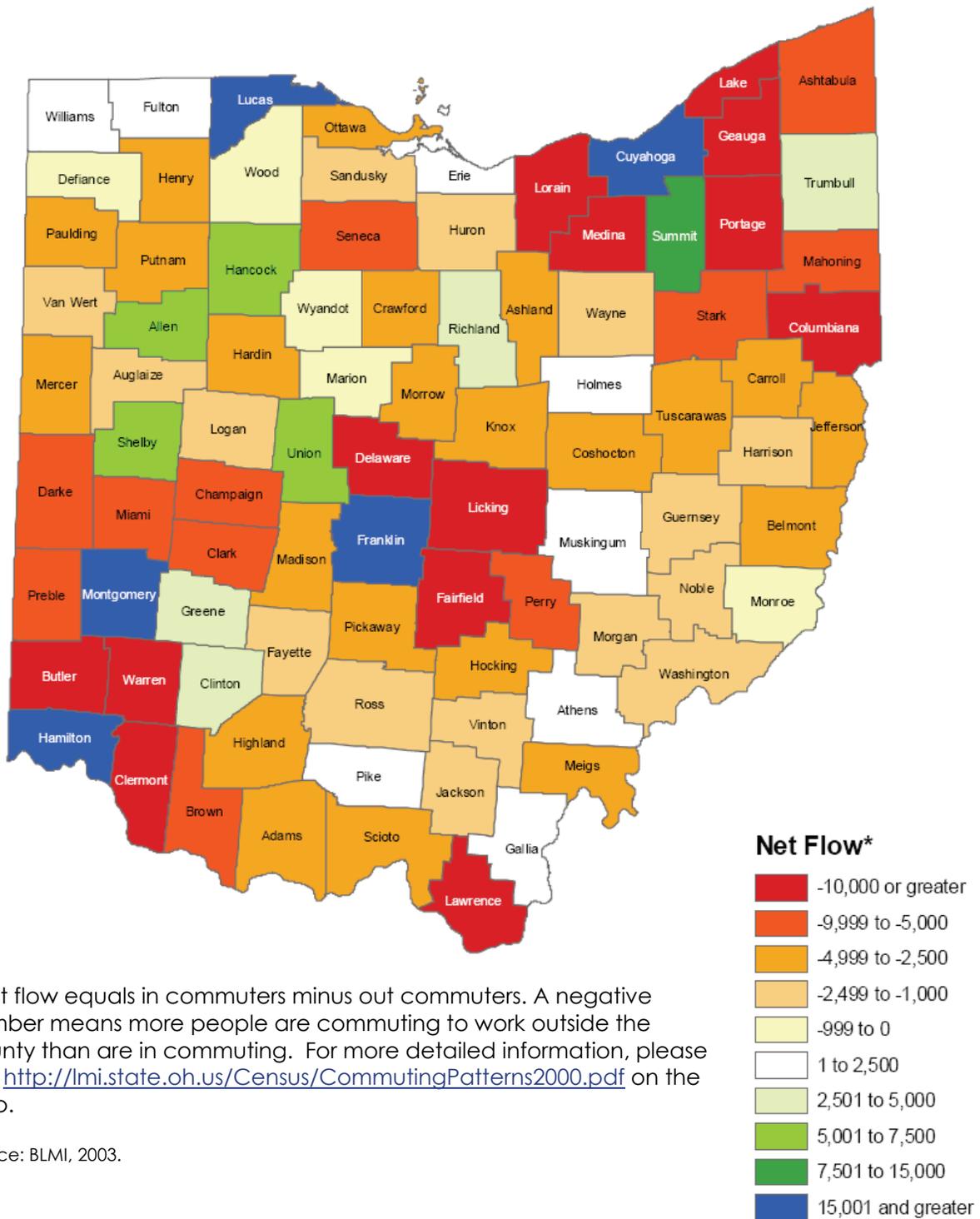
Figure 2 on the next page shows a visual summary of the net flow of commuters from the 2000 decennial census. Most workers commuting into a county to work usually do so from adjacent counties. Detailed county-to-county commuting is shown in Appendix C.

All of the counties in Southern Ohio are included in the Appalachian Region. In this EDR, the Appalachian Regional Commission designated 3 counties as “transitional,” meaning their economic indices (comprised of unemployment, per capita market income, and the poverty rate) rank in the middle 50 percent nationally, 5 counties as “at-risk,” meaning their indices rank below 75 percent of counties nationally, and Pike and Vinton Counties as “distressed,” meaning their indices rank below 90 percent of counties nationally.²

¹ Goldstein, 2005 (p. 1).

² Appalachian Regional Commission [ARC], 2006.

Figure 2: Net Flow of Ohio Commuters



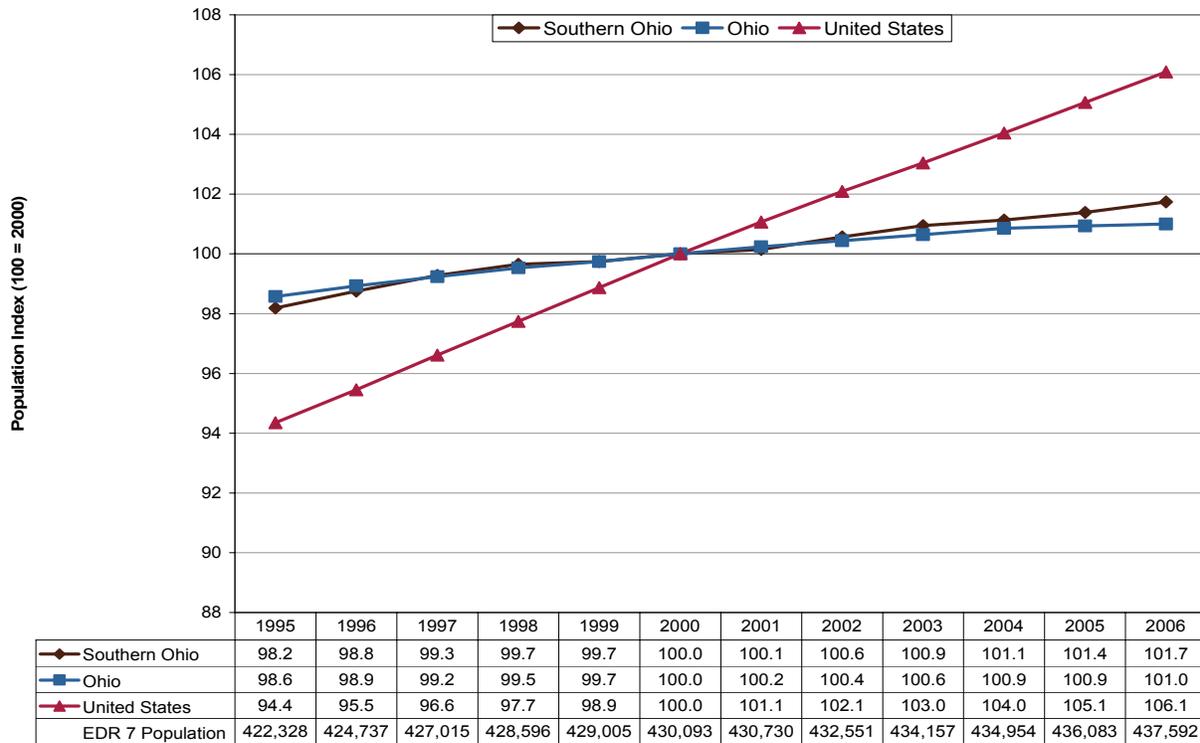
*Net flow equals in commuters minus out commuters. A negative number means more people are commuting to work outside the county than are in commuting. For more detailed information, please visit <http://lmi.state.oh.us/Census/CommutingPatterns2000.pdf> on the web.

Source: BLMI, 2003.

II. Economic Indicators

Population Trends. Southern Ohio's population in 2006 was estimated to be approximately 437,600 residents, an increase of 3.6 percent from 1995. As Figure 3 shows below, regional population has increased slightly faster than it has statewide. During this same period, Ohio's population rose 2.5 percent. National population increased 12.4 percent.

Figure 3: Population Trends, 1995-2006



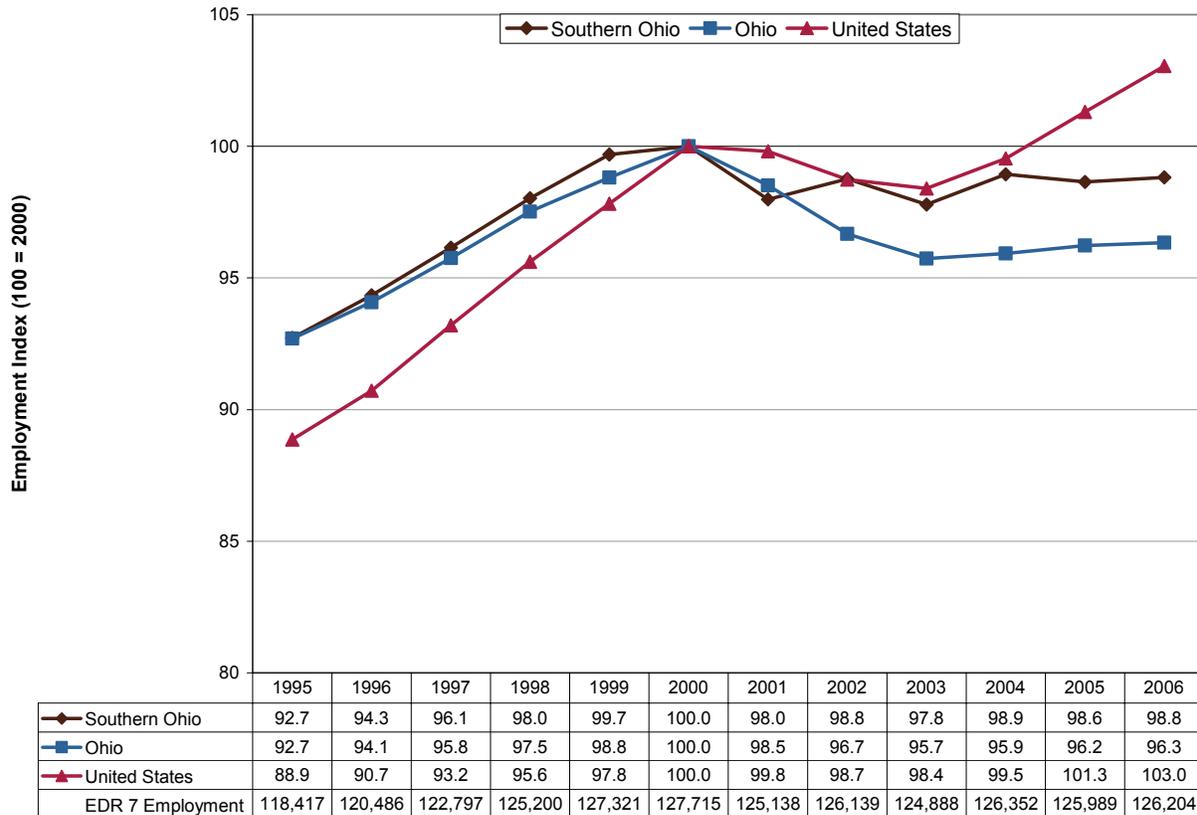
Demographic Traits. Age demographics from 2006 reveal differences between this EDR and the rest of the state and nation. As is common of some of Ohio's more rural areas, this region is slightly older than the state in general. 24.7 percent of residents are 55 or older, compared with 24.3 percent statewide. The region does, however, have a slightly larger prime working-age population between 25 and 54.

Figure 4: Demographic Characteristics, 2006

	United States		Ohio		Southern Ohio	
Total	299,238,484	100.0%	11,478,006	100.0%	437,592	100.0%
Under 5	20,417,636	6.8%	734,735	6.4%	27,441	6.3%
5 to 14	40,337,284	13.5%	1,534,571	13.4%	57,179	13.1%
15 to 24	42,435,426	14.2%	1,597,458	13.9%	56,536	12.9%
25 to 34	40,415,979	13.5%	1,459,394	12.7%	63,811	14.6%
35 to 44	43,666,950	14.6%	1,621,662	14.1%	61,433	14.0%
45 to 54	43,278,174	14.5%	1,738,480	15.1%	63,322	14.5%
55 to 64	31,586,683	10.6%	1,259,712	11.0%	47,513	10.9%
65 and older	37,260,352	12.5%	1,531,994	13.3%	60,357	13.8%

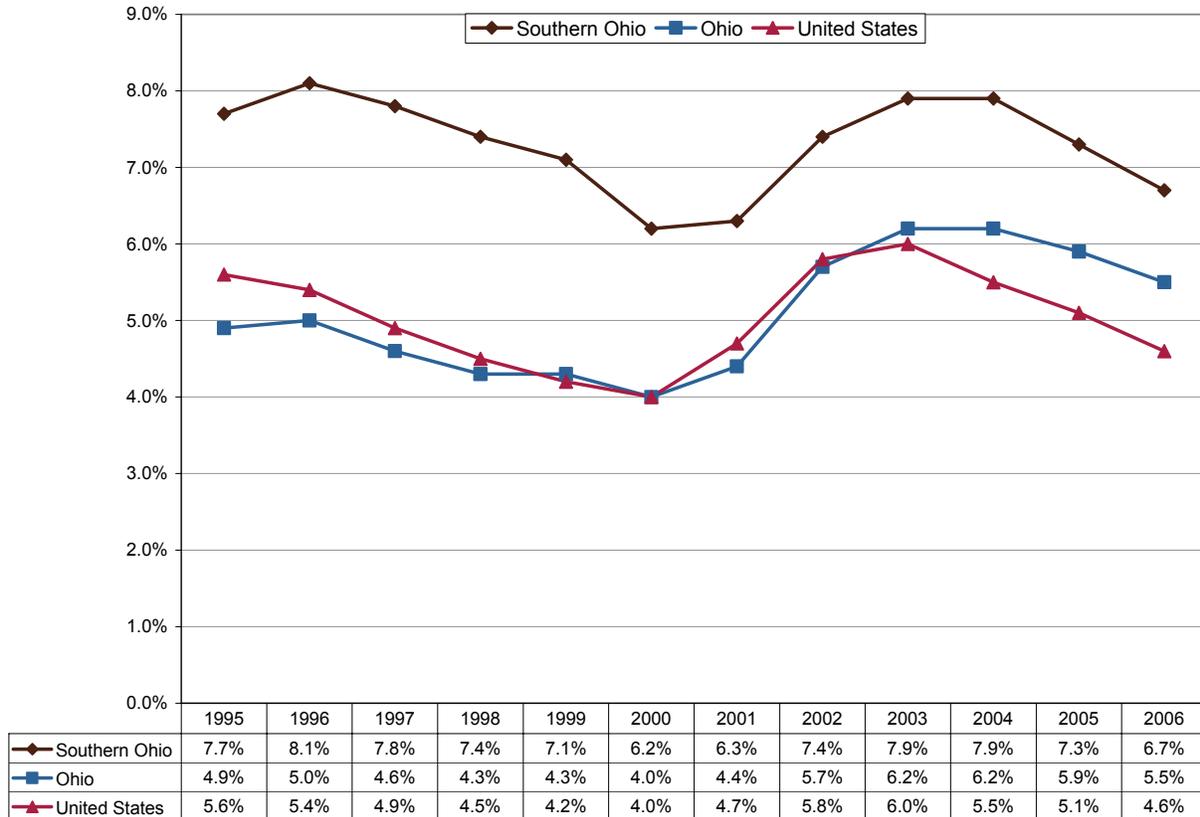
Employment Trends. Nonfarm payroll employment in Southern Ohio was about 126,000 workers in 2006, a decline of 1.2 percent since 2000. As Figure 5 below shows, relative employment levels have been somewhat erratic since the 2001 recession with little lasting recovery. For comparison, statewide employment has fallen 3.7 percent since 2000 while national employment rose 3.0 percent.

Figure 5: Nonfarm Employment Trends, 1995-2006



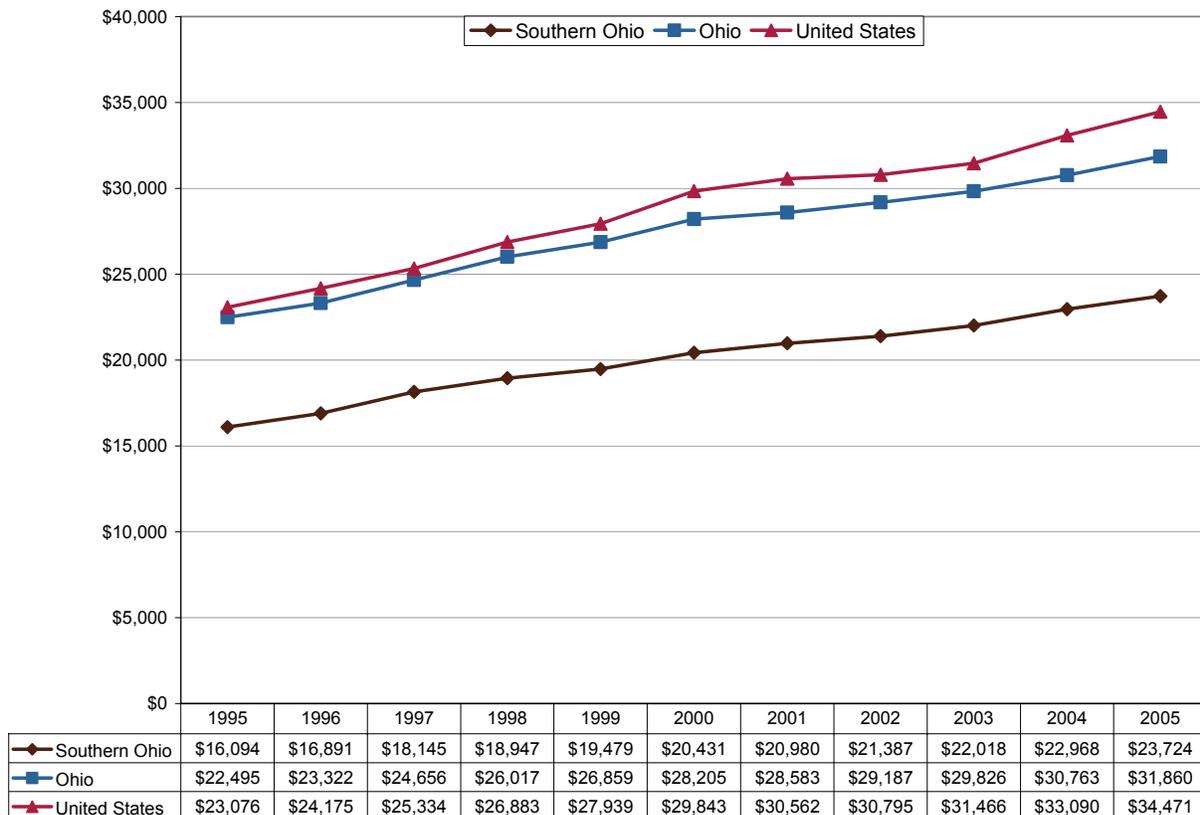
Unemployment Rate Trends. The unemployed are those in the non-institutional population 16 years or older who were not employed during the reference week but were actively seeking work, waiting to be called back to a job after a layoff, or waiting to report within 30 days to a new job. The regional unemployment rate in 2006 was 6.7 percent, much higher than the state and national rates of 5.5 percent and 4.6 percent, respectively. Southern Ohio's unemployment rate has fallen 1.2 percentage points from the last peak in 2003. For comparison, Ohio's unemployment rate has dropped 0.7 percentage point since then, while the U.S. unemployment rate fell 0.9 point.

Figure 6: Unemployment Trends, 1995-2006



Per Capita Income Trends. Southern Ohio's per capita income in 2005 was \$23,724, well below the statewide and national figures of \$31,860 and \$34,471, respectively. In general, rural areas tend to have lower income levels than urbanized areas, and like much of Appalachian Ohio, EDR 7 is highly rural. Since 1995, per capita income has grown at a 4.0 percent annual compound rate, faster than Ohio (3.5%) but not as fast as nationally (4.1%).

Figure 7: Per Capita Income, 1995-2005



Residential Construction Permit Trends. Construction trends in Southern Ohio have been very erratic over the last ten years, as Figure 8 below shows. 685 residential permits were granted in 2006. Because such a relatively small number of permits have been issued over the period of analysis, average valuation has fluctuated more, usually due to the mix of single- and multi-family units.

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

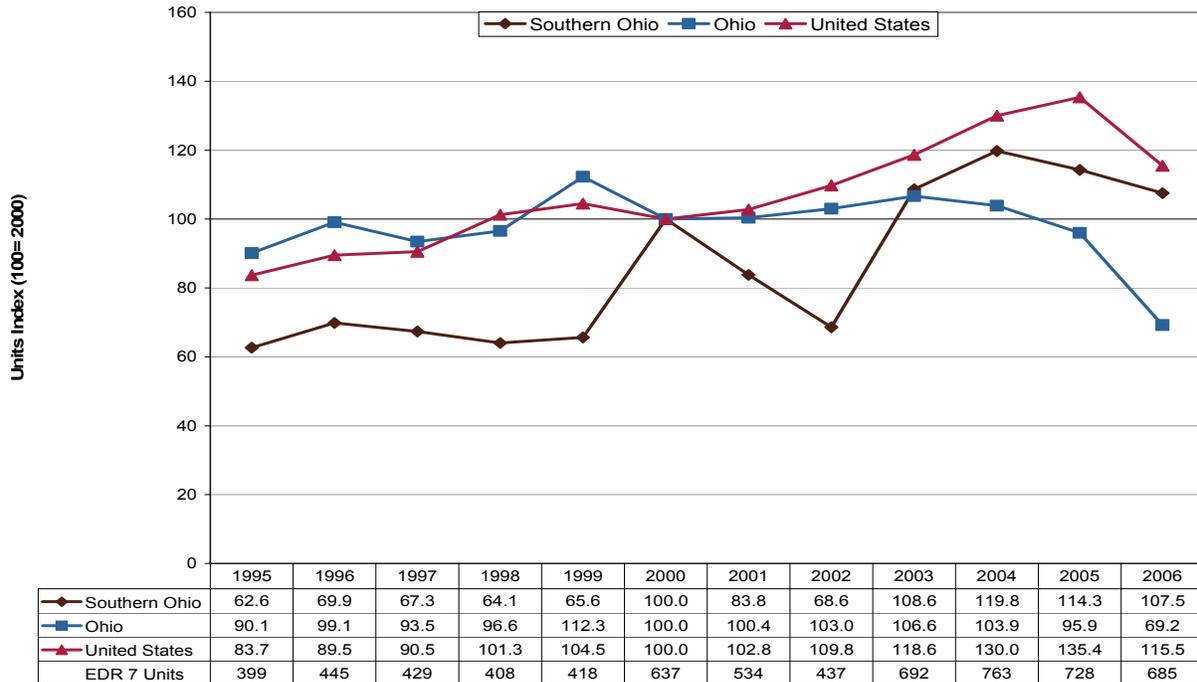
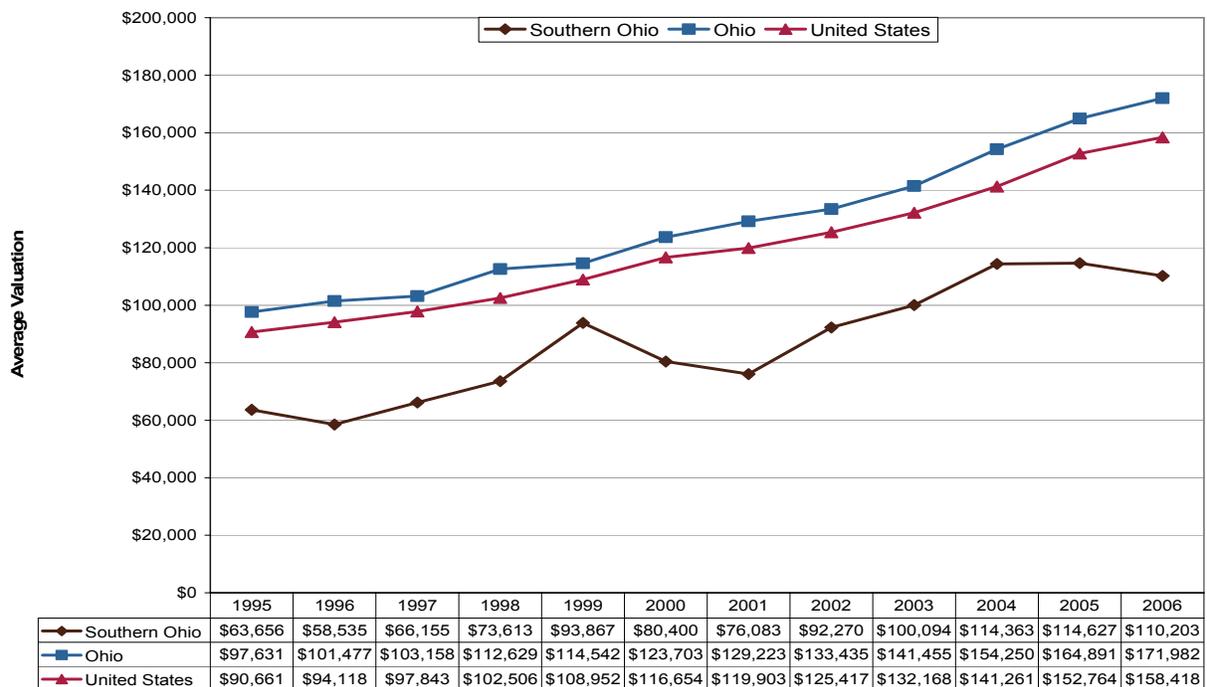


Figure 9: Valuation of New Residential Building Permits, 1995-2006



III. Employment Projections to 2014

Projections by Industry Sector. Figure 10 below shows projections from the Job Outlook to 2014 for Southern Ohio. As of 2004, 24.1 percent of all employment was in goods-producing industries such as construction and manufacturing. This was higher than the statewide average of 19.9 percent. Another 69.7 percent was in service-providing industries such as health care and retail. The remaining 6.2 percent of jobs in Southern Ohio were held by self-employed, private household and unpaid family workers.

Southern Ohio is projected to add approximately 8,900 jobs between 2004 and 2014 (6.1%), almost all of them in service-providing industries. The fastest employment gains during this period are expected in professional and business services (18.0%); education and health services, which includes hospitals, clinics, and private schools (17.3%); construction (17.0%); and finance and insurance, including banks (14.7%). Local government, which includes public schools, is expected to add 1,600 jobs (7.8%).

Construction is the only goods-producing industry expected to grow in employment during this period, creating about 900 jobs. Natural resources and mining and manufacturing are projected to have the greatest job loss: about 900 positions each.

Figure 10: Southern 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	145,100	154,000	8,900	6.1%
Goods-Producing	34,900	34,100	-800	-2.3%
Natural Resources and Mining	9,400	8,500	-900	-9.6%
Construction	5,300	6,200	900	17.0%
Manufacturing	20,300	19,400	-900	-4.4%
Service-Providing	101,100	110,900	9,800	9.7%
Trade, Transportation and Utilities	25,200	26,300	1,100	4.4%
Retail Trade	17,700	18,600	900	5.1%
Financial Activities	4,400	5,000	600	13.6%
Finance and Insurance	3,400	3,900	500	14.7%
Real Estate and Rental and Leasing	1,000	1,100	100	10.0%
Professional and Business Services	6,100	7,200	1,100	18.0%
Education and Health Services	20,800	24,400	3,600	17.3%
Leisure and Hospitality	11,400	12,900	1,500	13.2%
Government	27,800	29,500	1,700	6.1%
Federal Government	2,200	2,200	0	0.0%
State Government	5,000	5,200	200	4.0%
Local Government	20,500	22,100	1,600	7.8%
Self-Employed, Private Household and Unpaid Family Workers	9,000	9,000	0	0.0%

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

Healthcare occupations are expected to create 2,710 jobs between 2004 and 2014 (17.8%), with 530 openings per year on average. Other fast-growing groups include education, training and library (12.2%); construction and extraction occupations (12.0%); and food preparation and serving (10.5%). Food preparation and serving related occupations will have the largest number of average annual openings (620) because of relatively high replacement needs.

Figure 11: Southern 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	145,100	154,000	8,900	6.1%	4,316
Management Occupations	12,960	12,610	-350	-2.7%	139
Business and Financial Operations Occupations	2,960	3,310	350	11.8%	89
Computer and Mathematical Occupations	530	590	60	11.3%	13
Architecture and Engineering Occupations	1,170	1,280	110	9.4%	39
Life, Physical, and Social Science Occupations	650	670	20	3.1%	18
Community and Social Services Occupations	2,330	2,650	320	13.7%	77
Legal Occupations	390	430	40	10.3%	8
Education, Training, and Library Occupations	10,140	11,380	1,240	12.2%	354
Arts, Design, Entertainment, Sports, & Media Occ.	1,070	1,220	150	14.0%	34
Healthcare Occupations, total	15,210	17,920	2,710	17.8%	530
Protective Service Occupations	3,920	4,030	110	2.8%	117
Food Preparation and Serving Related Occupations	12,710	14,040	1,330	10.5%	620
Building & Grounds Cleaning & Maintenance Occup.	4,750	5,200	450	9.5%	140
Personal Care and Service Occupations	3,710	4,110	400	10.8%	128
Sales and Related Occupations	14,820	15,500	680	4.6%	572
Office and Administrative Support Occupations	18,520	18,580	60	0.3%	452
Farming, Fishing, and Forestry Occupations	860	860	0	0.0%	20
Construction and Extraction Occupations	6,760	7,570	810	12.0%	208
Installation, Maintenance, and Repair Occupations	5,930	6,190	260	4.4%	161
Production Occupations	14,770	14,360	-410	-2.8%	367
Transportation and Material Moving Occupations	10,910	11,580	670	6.1%	315

Note that although production occupations are projected to shed over 400 jobs in net from 2004 to 2014, there will be about 370 job openings expected per year on average during this time period. In general, three out of every four openings are for replacement hires.

High Prospect Occupations. A high prospect occupation is one that pays at least \$12 per hour on average and is expected to have at least ten average annual openings. There are about 50 such occupations identified for Southern Ohio. Figure 12 shows these high prospect occupations arranged by required education and training.

Figure 12: High Prospect Occupations in Southern Ohio

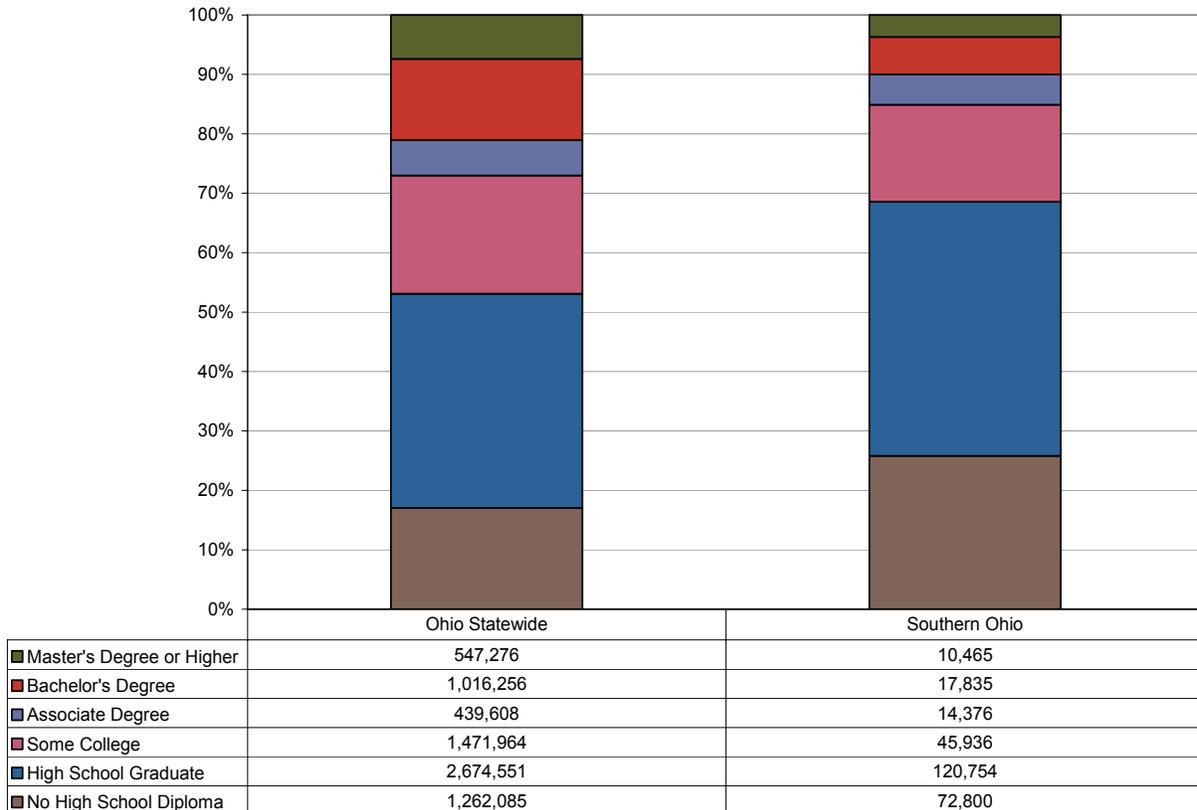
Code	Occupational Title**	Employment		Change in Employment		Avg. Ann. Openings	2006 Avg. Wage*
		2004 Annual	2014 Projected	2004 - 2014	Percent		
Occupations Requiring Short-Term On-the-Job Training (up to one month)							
25-9041	Teacher Assistants†	800	900	100	12.5%	25	\$22,460
43-5052	Postal Service Mail Carriers	520	490	-30	-5.8%	16	\$20.50
53-3031	Driver/Sales Workers	970	1,060	90	9.3%	25	\$12.37
53-3033	Truck Drivers, Light or Delivery Services	980	1,100	120	12.2%	21	\$13.06
53-7051	Industrial Truck and Tractor Operators	510	530	20	3.9%	12	\$13.05
Occupations Requiring Moderate-Term On-the-Job Training (one to twelve months combined experience/training)							
31-9091	Dental Assistants	290	360	70	24.1%	15	\$12.44
33-3012	Correctional Officers and Jailers	1,400	1,370	-30	-2.1%	29	\$17.72
41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	620	680	60	9.7%	22	\$22.19
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,680	1,760	80	4.8%	40	\$12.87
43-4051	Customer Service Representatives	1,010	1,160	150	14.9%	30	\$13.13
43-6011	Executive Secretaries & Administrative Assistants	860	910	50	5.8%	22	\$17.40
47-2061	Construction Laborers	1,290	1,350	60	4.7%	23	\$15.00
47-2073	Operating Engineers & Other Con. Equip. Op.	520	590	70	13.5%	20	\$20.62
47-2141	Painters, Construction and Maintenance	410	460	50	12.2%	11	\$16.49
47-4051	Highway Maintenance Workers	460	530	70	15.2%	14	\$14.51
49-9042	Maintenance and Repair Workers, General	1,850	1,970	120	6.5%	48	\$14.84
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	430	360	-70	-16.3%	10	\$12.00
51-9032	Cutting/Slicing Mach. Setters/Operators/Tenders	520	520	0	0.0%	11	\$14.26
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	450	430	-20	-4.4%	10	\$15.85
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,730	1,850	120	6.9%	40	\$15.56
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training)							
33-2011	Fire Fighters	550	640	90	16.4%	25	\$17.74
33-3051	Police and Sheriff's Patrol Officers	950	1,010	60	6.3%	30	\$15.71
47-2031	Carpenters	940	1,080	140	14.9%	29	\$19.07
47-2111	Electricians	800	880	80	10.0%	24	\$25.68
47-2152	Plumbers, Pipefitters and Steamfitters	520	550	30	5.8%	15	\$22.72
49-9052	Telecommunications Line Installers & Repairers	260	290	30	11.5%	10	\$21.46
51-4121	Welders, Cutters, Solderers, and Brazers	380	370	-10	-2.6%	11	\$16.46
51-7011	Cabinetmakers and Bench Carpenters	680	720	40	5.9%	21	\$12.50
51-8031	Water/Liquid Waste Treatment Plant/System Op.	310	340	30	9.7%	14	\$16.81
Occupations Requiring Work Experience in a Related Occupation							
35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	910	1,020	110	12.1%	33	\$13.64
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	2,180	2,210	30	1.4%	42	\$15.99
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	900	930	30	3.3%	22	\$17.20
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	440	500	60	13.6%	13	\$28.30
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	390	400	10	2.6%	11	\$23.59
51-1011	FL Sup/Mgrs of Production/Operating Workers	830	840	10	1.2%	18	\$22.76
Occupations Requiring Postsecondary Vocational Training							
29-2061	Licensed Practical & Licensed Vocat. Nurses	1,590	1,720	130	8.2%	48	\$16.19
49-3023	Automotive Service Technicians and Mechanics	610	660	50	8.2%	21	\$13.42
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	310	340	30	9.7%	11	\$17.49

Code	Occupational Title**	Employment		Change in Employment		Avg. Ann. Openings	2006 Avg. Wage*
		2004 Annual	2014 Projected	2004 - 2014	Percent		
Occupations Requiring an Associate Degree							
29-1111	Registered Nurses	2,760	3,270	510	18.5%	109	\$24.84
29-2021	Dental Hygienists	280	360	80	28.6%	10	\$20.97
Occupations Requiring a Bachelor's Degree							
13-2011	Accountants and Auditors	600	660	60	10.0%	17	\$24.56
25-2021	Elementary School Teachers, ex.Special Ed.†	1,730	1,910	180	10.4%	56	\$48,077
25-2022	Middle School Teachers, ex. Special & Voc. Ed.†	880	930	50	5.7%	25	\$49,650
25-2031	Secondary Sch. Teachers, ex. Spec. & Voc. Ed.†	2,390	2,570	180	7.5%	85	\$48,874
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.†	430	520	90	20.9%	19	\$47,393
25-2043	Special Education Teachers, Secondary School†	500	570	70	14.0%	19	\$48,496
41-3021	Insurance Sales Agents	550	600	50	9.1%	18	\$22.71
Occupations Requiring Work Experience plus a Bachelor's Degree							
11-1011	Chief Executives	380	420	40	10.5%	11	\$56.10
11-1021	General and Operations Managers	1,120	1,230	110	9.8%	32	\$34.77
11-9032	Education Admin., Elem. & Secondary School†	420	450	30	7.1%	13	\$76,030
11-9111	Medical and Health Services Managers	360	410	50	13.9%	12	\$34.22
25-2032	Vocational Education Teachers, Secondary Sch.†	350	380	30	8.6%	13	\$52,243
Occupations Requiring a Master's Degree							
21-1023	Mental Health & Substance Abuse Social Work.	260	330	70	26.9%	11	\$16.13
Occupations Requiring a First Professional Degree							
29-1051	Pharmacists	310	370	60	19.4%	12	\$42.72
*May 2005 wages aged to April 2006.							
**Abbreviations							
FL Sup/Mgrs = First-Line Supervisors/Managers							
M/P = Metal and Plastic							
O/T = Operators and Tenders							
S/O/T = Setters, Operators and Tenders							
†Annual earnings, typically for a 9½ month school year							
Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, 2007a.							

IV. Education & Training

Educational Attainment. Figure 13 below shows educational attainment for adults aged 25 or older in this region and Ohio. Southern Ohio has a lower level of overall educational attainment than the rest of the state. More than one out of every four adults do not have a high school diploma, and less than a third have any postsecondary education. Only 15.1 percent of adults have an associates degree or better, compared with 27.0 percent statewide.

Figure 13: Educational Attainment, 2000



Institutions and Degree Completers. There are 14 postsecondary training providers in Southern Ohio offering nearly 700 different programs: 4 public adult schools with occupational programs; 6 two-year technical community colleges; and 4 four-year colleges and universities. From 2005 to 2006, the number of completers at these institutions grew by about 100. This was about the same rate of growth in degrees as for Ohio. Associate's degrees, an increasingly important award type, had the largest increase this past year. Details on educational institutions and program completers are available in Appendices E and F, respectively.

Figure 14: Degree Completers in Southern Ohio

Award Type	2005	2006	Net Growth
Postsec. Awards; < 2 yrs.	1,006	816	-190
Associate's Degrees	965	1,204	239
Bachelor's Degrees	519	551	32
Master's Degrees	80	79	-1
All Other Awards	24	40	16
Totals	2,594	2,690	96

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

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

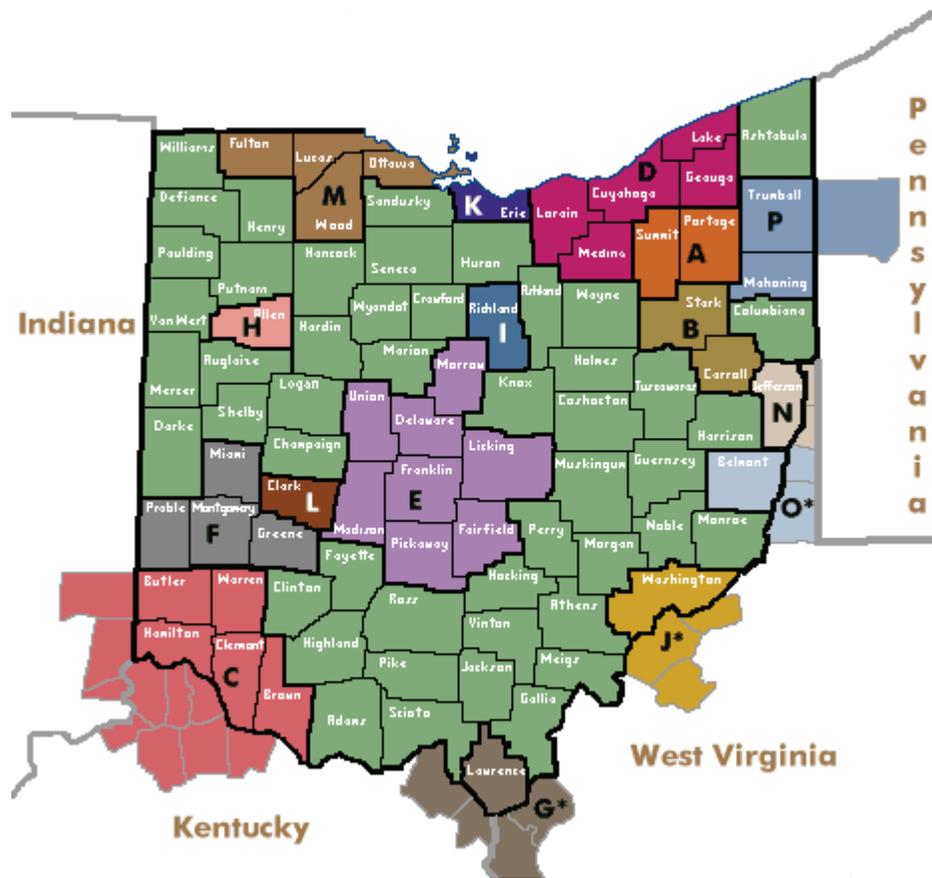
As is common for much of the state, reading comprehension will be the most important skill in Southern Ohio through 2014, required in nearly half of all job openings in the region and has the largest gap between available supply and projected demand. Other important skills for this period include critical thinking, active listening, speaking and coordination.

There are several workplace skills in Southern Ohio that will be required in a larger proportion of projected job openings than statewide, including instructing, social perceptiveness, equipment maintenance, and operation monitoring. Conversely, there will also be a large number of skills that will be in smaller demand for this region.

Figure 15: Projected Skills Needs for 2014

Skill	Southern Ohio				Ohio	
	Supply Rank	Percent Demand	Gap Index	Repl. Index	Percent Demand	Gap Index
Reading Comprehension	1	48.9%	100	67	48.3%	100
Critical Thinking	3	42.2%	97	67	41.9%	94
Active Listening	2	45.6%	94	69	46.6%	97
Speaking	4	38.4%	91	66	38.4%	91
Coordination	6	36.8%	89	66	36.8%	89
Active Learning	7	35.7%	86	67	37.4%	86
Instructing	5	37.2%	83	68	34.1%	77
Monitoring	8	34.9%	80	67	34.3%	83
Social Perceptiveness	11	32.0%	77	66	28.6%	69
Time Management	10	31.8%	74	67	31.6%	74
Writing	9	33.2%	71	67	33.6%	80
Learning Strategies	12	31.5%	69	67	31.3%	71
Service Orientation	13	26.1%	66	64	25.4%	66
Persuasion	14	23.0%	63	68	22.2%	60
Judgment and Decision Making	16	21.7%	60	67	23.6%	63
Complex Problem Identification	17	20.4%	57	68	21.3%	57
Mathematics	18	17.2%	54	65	18.9%	54
Negotiation	20	11.6%	51	69	12.0%	49
Management of Personnel Resources	21	9.6%	49	72	10.1%	46
Equipment Maintenance	19	11.1%	46	73	9.3%	34
Equipment Selection	15	16.9%	43	72	16.0%	51
Troubleshooting	22	9.9%	40	77	11.0%	43
Management of Financial Resources	27	5.3%	37	71	6.6%	37
Repairing	26	6.0%	34	71	5.9%	20
Installation	24	6.3%	31	76	7.6%	40
Science	30	3.3%	29	69	3.9%	23
Systems Evaluation	29	3.3%	26	69	4.3%	29
Operation Monitoring	23	8.3%	23	80	6.8%	3
Management of Material Resources	32	2.8%	20	73	3.5%	14
Operations Analysis	31	2.9%	17	74	5.2%	31
Operation and Control	25	6.4%	14	79	5.4%	6
Systems Analysis	33	1.1%	11	63	3.2%	26
Technology Design	34	1.2%	9	65	2.9%	17
Quality Control	28	3.6%	6	86	6.0%	11
Programming	35	0.1%	3	60	1.0%	9

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

Adams			Percent of workers that work outside the county -	40.1%				
			Average commute time in minutes -	36.8				
Number of workers 16+ years of age living in Adams County			11,133	Number of workers 16+ years of age working in Adams County		7,882		
Commute Out To			Number	Percent	Commute In From		Number	Percent
Hamilton Co. OH			935	8.4%	Brown Co. OH		252	3.2%
Brown Co. OH			793	7.1%	Scioto Co. OH		223	2.8%
Clermont Co. OH			527	4.7%	Highland Co. OH		196	2.5%
Highland Co. OH			523	4.7%	Mason Co. KY		124	1.6%
Mason Co. KY			412	3.7%	Pike Co. OH		67	0.9%
Clinton Co. OH			293	2.6%	Carter Co. KY		54	0.7%
Scioto Co. OH			126	1.1%	Clermont Co. OH		52	0.7%
Warren Co. OH			118	1.1%	Fleming Co. KY		28	0.4%
Boone Co. KY			105	0.9%	Franklin Co. OH		22	0.3%
Montgomery Co. OH			76	0.7%	Hamilton Co. OH		21	0.3%

Brown			Percent of workers that work outside the county -	63.8%				
			Average commute time in minutes -	35.0				
Number of workers 16+ years of age living in Brown County			18,691	Number of workers 16+ years of age working in Brown County		9,569		
Commute Out To			Number	Percent	Commute In From		Number	Percent
Clermont Co. OH			4,802	25.7%	Adams Co. OH		793	8.3%
Hamilton Co. OH			3,945	21.1%	Clermont Co. OH		529	5.5%
Mason Co. KY			780	4.2%	Highland Co. OH		337	3.5%
Clinton Co. OH			466	2.5%	Mason Co. KY		316	3.3%
Butler Co. OH			414	2.2%	Hamilton Co. OH		173	1.8%
Warren Co. OH			347	1.9%	Clinton Co. OH		90	0.9%
Highland Co. OH			305	1.6%	Fleming Co. KY		68	0.7%
Adams Co. OH			252	1.3%	Kenton Co. KY		58	0.6%
Boone Co. KY			157	0.8%	Warren Co. OH		47	0.5%
Kenton Co. KY			133	0.7%	Lewis Co. KY		44	0.5%

Gallia			Percent of workers that work outside the county -	25.2%				
			Average commute time in minutes -	28.1				
Number of workers 16+ years of age living in Gallia County			11,813	Number of workers 16+ years of age working in Gallia County		12,073		
Commute Out To			Number	Percent	Commute In From		Number	Percent
Mason Co. WV			669	5.7%	Mason Co. WV		1,358	11.2%
Jackson Co. OH			595	5.0%	Meigs Co. OH		844	7.0%
Franklin Co. OH			218	1.8%	Jackson Co. OH		403	3.3%
Cabell Co. WV			190	1.6%	Lawrence Co. OH		164	1.4%
Meigs Co. OH			187	1.6%	Putnam Co. WV		51	0.4%
Athens Co. OH			165	1.4%	Vinton Co. OH		45	0.4%
Lawrence Co. OH			111	0.9%	Athens Co. OH		44	0.4%
Ross Co. OH			108	0.9%	Franklin Co. OH		37	0.3%
Kanawha Co. WV			96	0.8%	Scioto Co. OH		36	0.3%
Jackson Co. WV			71	0.6%	Cabell Co. WV		35	0.3%

Highland			Percent of workers that work outside the county -			43.2%					
			Average commute time in minutes -			29.3					
Number of workers 16+ years of age living in Highland County			17,662			Number of workers 16+ years of age working in Highland County			13,240		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Clinton Co. OH	3,789	21.5%	Ross Co. OH	671	5.1%						
Hamilton Co. OH	656	3.7%	Clinton Co. OH	534	4.0%						
Fayette Co. OH	645	3.7%	Adams Co. OH	523	4.0%						
Clermont Co. OH	427	2.4%	Fayette Co. OH	457	3.5%						
Ross Co. OH	347	2.0%	Brown Co. OH	305	2.3%						
Brown Co. OH	337	1.9%	Clermont Co. OH	148	1.1%						
Franklin Co. OH	254	1.4%	Pike Co. OH	126	1.0%						
Warren Co. OH	221	1.3%	Hamilton Co. OH	80	0.6%						
Montgomery Co. OH	217	1.2%	Scioto Co. OH	47	0.4%						
Adams Co. OH	196	1.1%	Warren Co. OH	35	0.3%						

Jackson			Percent of workers that work outside the county -			32.5%					
			Average commute time in minutes -			28.3					
Number of workers 16+ years of age living in Jackson County			13,026			Number of workers 16+ years of age working in Jackson County			11,892		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Pike Co. OH	957	7.3%	Vinton Co. OH	773	6.5%						
Ross Co. OH	917	7.0%	Gallia Co. OH	595	5.0%						
Franklin Co. OH	540	4.1%	Scioto Co. OH	428	3.6%						
Gallia Co. OH	403	3.1%	Ross Co. OH	325	2.7%						
Vinton Co. OH	356	2.7%	Pike Co. OH	229	1.9%						
Athens Co. OH	220	1.7%	Lawrence Co. OH	179	1.5%						
Scioto Co. OH	211	1.6%	Meigs Co. OH	164	1.4%						
Pickaway Co. OH	108	0.8%	Athens Co. OH	130	1.1%						
Muskingum Co. OH	44	0.3%	Mason Co. WV	57	0.5%						
Fairfield Co. OH	38	0.3%	Franklin Co. OH	42	0.4%						

Lawrence			Percent of workers that work outside the county -			58.0%					
			Average commute time in minutes -			24.1					
Number of workers 16+ years of age living in Lawrence County			23,136			Number of workers 16+ years of age working in Lawrence County			12,671		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Cabell Co. WV	7,179	31.0%	Cabell Co. WV	626	4.9%						
Boyd Co. KY	2,926	12.6%	Boyd Co. KY	540	4.3%						
Greenup Co. KY	715	3.1%	Scioto Co. OH	455	3.6%						
Wayne Co. WV	622	2.7%	Greenup Co. KY	443	3.5%						
Scioto Co. OH	616	2.7%	Wayne Co. WV	400	3.2%						
Jackson Co. OH	179	0.8%	Gallia Co. OH	111	0.9%						
Kanawha Co. WV	175	0.8%	Carter Co. KY	58	0.5%						
Gallia Co. OH	164	0.7%	Lewis Co. KY	36	0.3%						
Putnam Co. WV	95	0.4%	Jackson Co. OH	31	0.2%						
Franklin Co. OH	82	0.4%	Lawrence Co. KY	31	0.2%						

Pike			Percent of workers that work outside the county -			34.7%					
			Average commute time in minutes -			29.6					
Number of workers 16+ years of age living in Pike County			10,208			Number of workers 16+ years of age working in Pike County			11,837		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Ross Co. OH	1,450	14.2%	Scioto Co. OH	2,453	20.7%						
Franklin Co. OH	544	5.3%	Ross Co. OH	1,071	9.0%						
Scioto Co. OH	504	4.9%	Jackson Co. OH	957	8.1%						
Pickaway Co. OH	241	2.4%	Vinton Co. OH	139	1.2%						
Jackson Co. OH	229	2.2%	Greenup Co. KY	110	0.9%						
Highland Co. OH	126	1.2%	Adams Co. OH	59	0.5%						
Adams Co. OH	67	0.7%	Gallia Co. OH	54	0.5%						
Hamilton Co. OH	65	0.6%	Lawrence Co. OH	41	0.3%						
Clinton Co. OH	39	0.4%	Highland Co. OH	40	0.3%						
Fayette Co. OH	34	0.3%	Lewis Co. KY	32	0.3%						

Ross			Percent of workers that work outside the county -			29.6%					
			Average commute time in minutes -			25.9					
Number of workers 16+ years of age living in Ross County			30,409			Number of workers 16+ years of age working in Ross County			28,140		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Pickaway Co. OH	2,617	8.6%	Pike Co. OH	1,450	5.2%						
Franklin Co. OH	2,335	7.7%	Jackson Co. OH	917	3.3%						
Pike Co. OH	1,071	3.5%	Pickaway Co. OH	847	3.0%						
Highland Co. OH	671	2.2%	Vinton Co. OH	538	1.9%						
Fayette Co. OH	503	1.7%	Franklin Co. OH	497	1.8%						
Jackson Co. OH	325	1.1%	Scioto Co. OH	494	1.8%						
Madison Co. OH	289	1.0%	Highland Co. OH	347	1.2%						
Clinton Co. OH	222	0.7%	Fairfield Co. OH	255	0.9%						
Fairfield Co. OH	191	0.6%	Fayette Co. OH	153	0.5%						
Vinton Co. OH	97	0.3%	Hocking Co. OH	126	0.4%						

Scioto			Percent of workers that work outside the county -			22.7%					
			Average commute time in minutes -			26.0					
Number of workers 16+ years of age living in Scioto County			28,356			Number of workers 16+ years of age working in Scioto County			25,573		
Commute Out To			Number	Percent	Commute In From			Number	Percent		
Pike Co. OH	2,453	8.7%	Greenup Co. KY	1,252	4.9%						
Franklin Co. OH	540	1.9%	Lawrence Co. OH	616	2.4%						
Ross Co. OH	494	1.7%	Pike Co. OH	504	2.0%						
Lawrence Co. OH	455	1.6%	Lewis Co. KY	341	1.3%						
Jackson Co. OH	428	1.5%	Jackson Co. OH	211	0.8%						
Boyd Co. KY	390	1.4%	Boyd Co. KY	166	0.6%						
Greenup Co. KY	332	1.2%	Adams Co. OH	126	0.5%						
Adams Co. OH	223	0.8%	Ross Co. OH	92	0.4%						
Cabell Co. WV	108	0.4%	Wayne Co. WV	73	0.3%						
Hamilton Co. OH	99	0.3%	Franklin Co. OH	38	0.1%						

Vinton			Percent of workers that work outside the county -			59.7%					
			Average commute time in minutes -			37.0					
Number of workers 16+ years of age living in Vinton County			4,795			Number of workers 16+ years of age working in Vinton County			2,800		
Commute Out To			Number	Percent		Commute In From			Number	Percent	
Jackson Co. OH			773	16.1%		Jackson Co. OH			356	12.7%	
Ross Co. OH			538	11.2%		Athens Co. OH			149	5.3%	
Franklin Co. OH			456	9.5%		Meigs Co. OH			114	4.1%	
Athens Co. OH			420	8.8%		Ross Co. OH			97	3.5%	
Pike Co. OH			139	2.9%		Gallia Co. OH			42	1.5%	
Pickaway Co. OH			128	2.7%		Hocking Co. OH			41	1.5%	
Hocking Co. OH			121	2.5%		Lawrence Co. OH			14	0.5%	
Fairfield Co. OH			78	1.6%		Licking Co. OH			13	0.5%	
Meigs Co. OH			59	1.2%		Perry Co. OH			13	0.5%	
Gallia Co. OH			45	0.9%		Washington Co. OH			9	0.3%	

Source: U.S. Census Bureau, 2004.

Appendix D: Major Employers by County

Adams	
Adams County Government	Government
Adams County Hospital	Health Care
Adams County/Ohio Valley Local Board of Education	Government
DPL, Inc./Dayton Power & Light Co.	Utilities
Eagle Creek Nursing Center	Health Care
General Electric Co.	Research
Maca Plastics, Inc.	Manufacturing
Toyo Denso Co./Weastec, Inc.	Manufacturing
Wal-Mart Stores, Inc.	Retail
Brown	
Brown County General Hospital	Health Care
Eastern Local Board of Education	Government
Milacron, Inc.	Manufacturing
Ohio Valley Manor	Health Care
RUHL Local Board of Education	Government
Stanley Works	Manufacturing
Surgical Appliance Industries	Manufacturing
Western Brown Local Board of Education	Government
Gallia	
American Electric Power	Utilities
DMI Technology/ElectroCraft	Manufacturing
Gallia County Local Board of Education	Government
Gallipolis City Board of Education	Government
GKN Sinter Metals	Manufacturing
Holzer Clinic	Health Care
Holzer Medical Center	Health Care
Infocision Management Corp.	Administrative
Ohio Valley Bank	Finance
Ohio Valley Electric Corp.	Utilities
State of Ohio	Government
University of Rio Grande	Education
Wal-Mart Stores, Inc.	Retail
Highland	
Greenfield Exempted Village Board of Education	Government
Highland District Hospital	Health Care
Hillsboro City Board of Education	Government
Huhtamaki Packaging Worldwide	Manufacturing
Illinois Tool Works/Hobart Corp.	Manufacturing
Johnson Controls, Inc.	Manufacturing
Lancaster Colony/Candle-Lite, Inc.	Manufacturing
RR Donnelley & Sons/Banta Corp.	Manufacturing
Toyo Denso Co./Weastec, Inc.	Manufacturing
Wal-Mart Stores, Inc.	Retail
Jackson	
Galerie Au Chocolat	Wholesale
General Mills, Inc.	Manufacturing
Holzer Medical Center	Health Care
Jackson City Board of Education	Government
Masco Corp./Merillat Industries, Inc.	Manufacturing
Michelina's, Inc.	Manufacturing
Ohio Precious Metals, LLC	Manufacturing
Oscos Industries, Inc.	Manufacturing
Resco Products	Manufacturing
Wal-Mart Stores, Inc.	Retail
Wellston City Board of Education	Government

Lawrence	
Dow Chemical	Manufacturing
Duke Energy Corp.	Manufacturing
Emerson Electric/Liebert Corp.	Manufacturing
Engines, Inc. of Ohio	Manufacturing
Ironton City Board of Education	Government
Jo-Lin Health Center	Health Care
Lawrence County Government	Government
McGinnis, Inc.	Manufacturing
McSweeneys, Inc.	Manufacturing
Ohio University	Education
Rock Hill Local Board of Education	Government
South Point Local Board of Education	Government
Superior Marine Ways, Inc.	Transportation
Wal-Mart Stores, Inc.	Retail
Pike	
Brown Corp. of America	Manufacturing
Eastern Local Board of Education	Government
HCF/Pleasant Hill Manor	Health Care
Honeywell International	Manufacturing
Masco Corp./Mills Pride LLP	Manufacturing
Ohio State University South Centers	Education
Ohio Valley Electric Corp.	Utilities
Pike Community Hospital	Health Care
Pike County Government	Government
Pike County JVS	Government
Scioto Valley Local Board of Education	Government
USEC/United States Enrichment Corp.	Manufacturing
Wal-Mart Stores, Inc.	Retail
Waverly City Board of Education	Government
Waverly Local Board of Education	Government
Ross	
Adena Regional Health System	Health Care
Chillicothe City Board of Education	Government
Commercial Vehicle Group/Trim System	Manufacturing
Horizon Telecom, Inc.	Telecommunications
PACCAR/Kenworth Truck Co.	Manufacturing
PH Glatfelter Co.	Manufacturing
Ross County Government	Government
State of Ohio	Government
U.S. Federal Government/Veterans Administration	Health Care
Wal-Mart Stores, Inc.	Retail
Yanagawa Seiki/YSK Corp.	Manufacturing

Scioto	
G&J Pepsi-Cola Bottlers, Inc.	Manufacturing
M&J Industries	Manufacturing
Mitchellace, Inc.	Manufacturing
OSCO Industries, Inc.	Manufacturing
Portsmouth City Board of Education	Government
Scioto County Government	Government
Shawnee State University	Education
Southern Ohio Medical Center	Health Care
State of Ohio	Government
Sunoco Inc./Sun Coke	Manufacturing
Taylor Lumber, Inc.	Manufacturing
Wal-Mart Stores, Inc.	Retail
Vinton	
Austin Powder Co.	Manufacturing
Community Bancshares, Inc.	Finance
Crownover Lumber Co., Inc.	Manufacturing
Huston Nursing Home	Health Care
Sands Hill Coal Co.	Mining
State of Ohio	Government
Vinton County Local Board of Education	Government

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

Appendix E: Postsecondary Institutions

Name	Type	Address	Telephone	URL
Gallia Jackson Vinton Joint Vocational School District	Pub. Adult Sch.	351 Buckeye Hills Road, P.O. Box 157, Rio Grande, OH 45674	(740) 245-5334	bhcc.k12.oh.us/
Gallipolis Career College	Two-Year	1176 Jackson Pke, Suite 312, Gallipolis, OH 45631	(740) 446-4367	www.gallipoliscareercollege.com
O C Collins Career Center	Two-Year	11627 State Rte 243, Chesapeake, OH 45619	(740) 867-6641	www.collins-cc.k12.oh.us
Ohio University-Chillicothe Campus	Four-Year	101 University Drive, Chillicothe, OH 45601	(740) 774-7200	www.ohiou.edu/chillicothe
Ohio University-Southern Campus	Four-Year	1804 Liberty Ave, Ironton, OH 45638	(740) 533-4600	www.southern.ohiou.edu/
Paramount Beauty Academy	Two-Year	1745 11th St, Portsmouth, OH 45662	(740) 353-2436	
Pickaway Ross Joint Vocational School District	Pub. Adult Sch.	895 Crouse Chapel Rd, Chillicothe, OH 45601	(740) 642-1288	www.pickawayross.com
Pike County Joint Vocational School District	Pub. Adult Sch.	175 Beaver Creek Rd, Piketon, OH 45661	(740) 281-2721	adulterd.pikectc.org
Samuel Stephen College	Two-Year	1410 Industrial Drive, Chillicothe, OH 45601	(740) 774-6300	samuelstephencollege.edu
Scioto County Joint Vocational School District	Pub. Adult Sch.	951 Vern Riffe Drive, Lucasville, OH 45648	(740) 259-5522	www.scjvs.com
Shawnee State University	Four-Year	940 Second St, Portsmouth, OH 45662	(740) 354-3205	www.shawnee.edu
Southeastern Business College	Two-Year	3879 Rhodes Ave., New Boston, OH 45662	(740) 456-4124	www.southeasternbusinesscollege.com
Southeastern Business College	Two-Year	504 McCarty Lane, Jackson, OH 45640	(740) 286-1554	www.southeasternbusinesscollege.com
Southern State Community College	Two-Year	100 Hobart Dr, Hillsboro, OH 45133	(937) 393-3431	www.sccc.edu
Tri-State Bible College	Four-Year	506 Margaret St, South Point, OH 45680	(740) 377-2520	www.tsbc.edu
University of Rio Grande	Four-Year	218 N College Ave, Rio Grande, OH 45674	(740) 245-7206	www.rio.edu

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

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

Appendix F: Degree Completers by Program Class for Economic Development Region 7

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	9					10				
Natural Resources and Conservation		2					2			
Area, Ethnic, Cultural and Gender Studies		1								
Communication, Journalism and Related Programs		3				2	10			
Communications Technologies/Technicians and Support Services	18					9				
Computer and Information Sciences and Support Services	34	13				48	1			
Personal and Culinary Services										
Education	9	78	78			51	115	76		
Engineering		5								
Engineering Technologies/Technicians	67	16				45	18			
Foreign Languages, Literatures and Linguistics		1								
Family and Consumer Sciences/Human Sciences	6					5				
Legal Professions and Studies	6					8				
English Language and Literature/Letters		17					22			
Liberal Arts and Sciences, General Studies and Humanities	156	8	2			147	22	3		
Biological and Biomedical Sciences		22					40			
Mathematics and Statistics	1	15					4			
Multi/Interdisciplinary Studies	13	11				5				
Parks, Recreation, Leisure and Fitness Studies	8	22					19			
Theology and Religious Vocations	2	1				8	8			
Physical Sciences	1	3					1			
Psychology		32					29			
Security and Protective Services	30					41				
Public Administration and Social Service Professions	10	8				19	2			
Social Sciences	6	59				7	74			
Precision Production						1				
Visual and Performing Arts	1	21				1	30			
Health Professions and Related Clinical Sciences	422	41				575	41			
Business, Management, Marketing and Related Support Services	166	129				222	101			
History		11					12			
Total, All Programs	965	519	80	0	0	1,204	551	79	0	0

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

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

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