



**Department of
Development**

Policy Research and Strategic Planning Office
A State Affiliate of the U.S. Census Bureau

Gross Domestic Product from Ohio

September 2011



John R. Kasich, Governor of Ohio
Christiane Schmenk, Director, Department of Development

GROSS DOMESTIC PRODUCT FROM OHIO

AUGUST 2011

E100 Don Larrick, Principal Analyst
Policy Research and Strategic Planning, Ohio Department of Development
P.O. Box 1001, Columbus, Oh. 43216-1001
Steven Kelley, Editor

TABLE OF CONTENTS

	Page
Introduction	1
Introduction - - - - -	2
Highlights	3
Gross Domestic Product from Ohio: 1997 – 2010- - - - -	5
The Composition of Ohio’s Economy in 2010	7
The Distributions of Gross Domestic Products in Metropolitan Areas, 2009- - - - -	9
Description of Ohio’s Economy	11
Ohio’s Rank Among the States and the World - - - - -	13
Comparing the Distribution of Economic Activity in Ohio with That of the U.S.	19
Recent Changes in Ohio’s Economy - - - - -	21
Removing the Effects of Inflation	23
Durable Goods Production - - - - -	25
Non-durable Goods Production	29
Non-manufacturing Goods-Producing Industries - - - - -	31
Services: Transportation and Warehousing	33
Services: Utilities, Wholesale and Retail Trade - - - - -	35

Services: Finance, Insurance, Real Estate, Rental and Leasing	37
Services: Information and Professional-and-Technical - - - - -	39
Services: Enterprise Management, Administrative-Support and Waste Management-Remediation	41
Services: Health Care, Social Assistance, and Education - - - - -	43
Various Other Private Sector Services	45
Federal, State, and Local Government- - - - -	47
Growth and Recession in Metropolitan Areas	49
Past Changes and Forecasts for the Future: Four Parts - - - - -	51
Appendices	58
Terminology - - - - -	59
Detailed Tables	61
Table A1: Ohio's Gross Domestic Product by Sector, 2010 (current dollars)- - - - -	62
Table A2: Ohio and U.S. Gross Domestic Product by Sector, 2001-2010 (chained dollars)	63
Table A3: Ohio's Gross Domestic Product by Industry, 2001-2009 (current dollars) - - - - -	64
Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on current dollars)	66
Table A5: Ohio's Gross Domestic Product by Industry, 2001-2009 (chained dollars)- - - - -	68
Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on chained dollars)	70
Table A7: U.S. Gross Domestic Product by Industry, 2001-2009 (current dollars)- - - - -	72
Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on current dollars)	74
Table A9: U.S. Gross Domestic Product by Industry, 2001-2009 (chained dollars) - - - - -	76

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained dollars)	78
Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained dollars)- - - - -	80
Table A12: Ohio's Gross Domestic Product by Industry – Sorted by 2009 Concentration Ratio	82
Table A13: Ohio's Gross Domestic Product by Industry – Sorted by Percentage Change, 2001- 2009 - - - - -	83
Table A14: Ohio's Gross Domestic Product by Industry – Sorted by Size in 2009	84
Table A15: Ohio::U.S. Gross Domestic Product and County Business Patterns Concentration Ratios	86
Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment	88
Table A17: Gross Domestic Product and Population in Ohio and the U.S., 1997-2010 - - - - -	100
Table A18: Growth and Industry Concentration in Ohio's Economy, 1997-2007	101
Table A19: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1997-2007 (chained dollars)	105
Notes - - - - -	108
Sources and References Cited	110

INTRODUCTION

INTRODUCTION

This report provides an overview of Ohio's economy and its role in the U.S. economy. It looks at the production of goods and the provision of services by people using capital located here – the Gross Domestic Product (GDP) from Ohio.

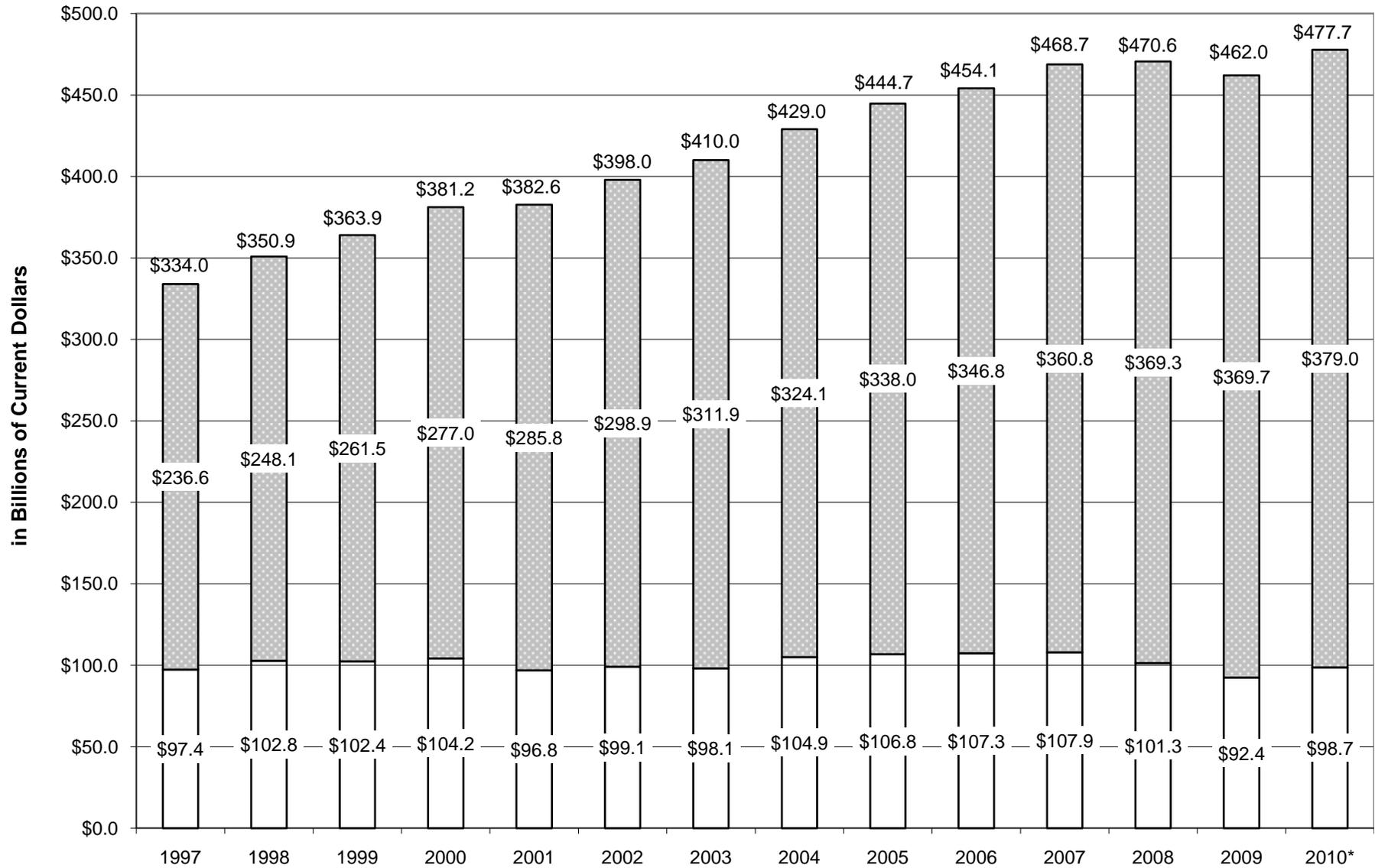
There are three major sections after this introduction and highlights. The first describes the composition of Ohio's economy, comparing it with other states and the national distribution of economic activity. The second focuses on output by sector and major industries within each sector, further probing the relative concentrations in Ohio, the key industries or groups within major industries, and recent trends here and across the nation. The last is an appendix containing a section on terminology and data tables for those seeking a more detailed understanding and recent history of economic activity here. The graphs and most of the discussions herein are based on, and refer to, the appendix tables.

The report describes economic activity from 1997 through 2010, but concentrates on 2001-2009. Data were collected and prepared by the U.S. Bureau of Economic Analysis (BEA). The detailed GDP estimates for those years are based on state and local taxes, value-added reports and company financial data. The BEA also has released a revised total estimate and initial sector estimates for 2010. Both of the latter will be further revised when more information becomes available. Many figures in this report have been revised from the previous report based on the BEA's incorporation of data from 2007 Economic Census and subsequent Annual Surveys of Manufactures as well as state and local government finance data (produced by the Census Bureau), and routine revisions made by the BEA. See Coakley, et.al. (2009) and Woodruff, et.al. (2007) for more details. The U.S. Bureau of the Census, other federal agencies, and several private sector organizations developed additional statistics cited in this report.

HIGHLIGHTS

- Ohio's Gross Domestic Product for 2010 is initially estimated at \$477.7 billion, up 3.4 percent from the revised estimate of \$462.0 billion for 2009 (the latest recession), up 24.9 percent from 2001 (the preceding recession), and 43.0 percent from 1997.
- Ohio is the 8th largest source for Gross Domestic Product among the 50 states and the District of Columbia, with 3.3 percent of the national total in 2010.
- If Ohio was a separate country, it would be the 27th largest national economy in the world.
- Manufacturing is the largest of the 20 sectors of Ohio's economy with 16.7 percent of total output in 2010; durable goods were 9.8 percent and non-durable goods were 6.9 percent.
- Ohio's manufacturing sector produced \$80.0 billion worth of goods – close to 4.7 percent of America's manufacturing output in 2010, ranking it 5th in the nation after California, Texas, Illinois and N. Carolina.
- Ohio is the leading source in the country for plastic and rubber products as well as electrical equipment and appliances.
- Ohio ranks 3rd in manufacturing primary and fabricated metal products, nonmetallic mineral products, and motor vehicles and the associated bodies, trailers and parts.
- Service sectors concentrated in Ohio include the management of companies and enterprises (67 companies on For-tune magazine's list of the 1,000 largest U.S. corporations have their headquarters here), the provision of health care and social assistance, and transportation and warehousing.
- Over one-half of the state's Gross Domestic Product is created in the three largest metropolitan areas: Cincinnati-Middletown, Cleveland-Elyria-Mentor, and Columbus.
- Ohio was among the seven states hit hardest by the recession, but also has been recovering faster than most.
- Akron, Cincinnati-Middletown, and Columbus are the three major metropolitan areas that have grown the fastest since 2001 and were the least hard-hit by the recession.

Ohio's Gross Domestic Product, 1997-2010



Note: * - Figures are preliminary; earlier years also may be revised.
 Figures may not sum to total due to rounding. Source: U.S. BEA.

□ Goods Production ■ Service Provision

GROSS DOMESTIC PRODUCT FROM OHIO: 1997-2010

The graph above shows that the value of goods and services produced in Ohio rose from \$334.0 to \$470.6 billion in the years 1997 to 2008, but fell to \$462.0 billion in 2009 before rising to \$477.7 billion in 2010. Figures for goods production ranged between \$92.4 and \$107.9 billion, showing notable down-years in the recessions of 2001 and 2008-2009. This contrasts with the more or less steady rise in the provision of services from \$236.6 to \$379.0 billion. Consequently, the graph also illustrates the increasing shift in Ohio's economy away from goods production and towards services. Goods production decreased from 29.2 to 20.7 percent of output, while services rose from 70.8 to 79.3 percent during this time.

What happened in Ohio was part of the larger but less-pronounced change throughout the country. The goods-producing sectors' share of total U.S. GDP fell from 22.1 to 18.3 percent, while the complementary share of service providers rose from 77.9 to 81.7 percent (U.S. BEA, 2011).¹

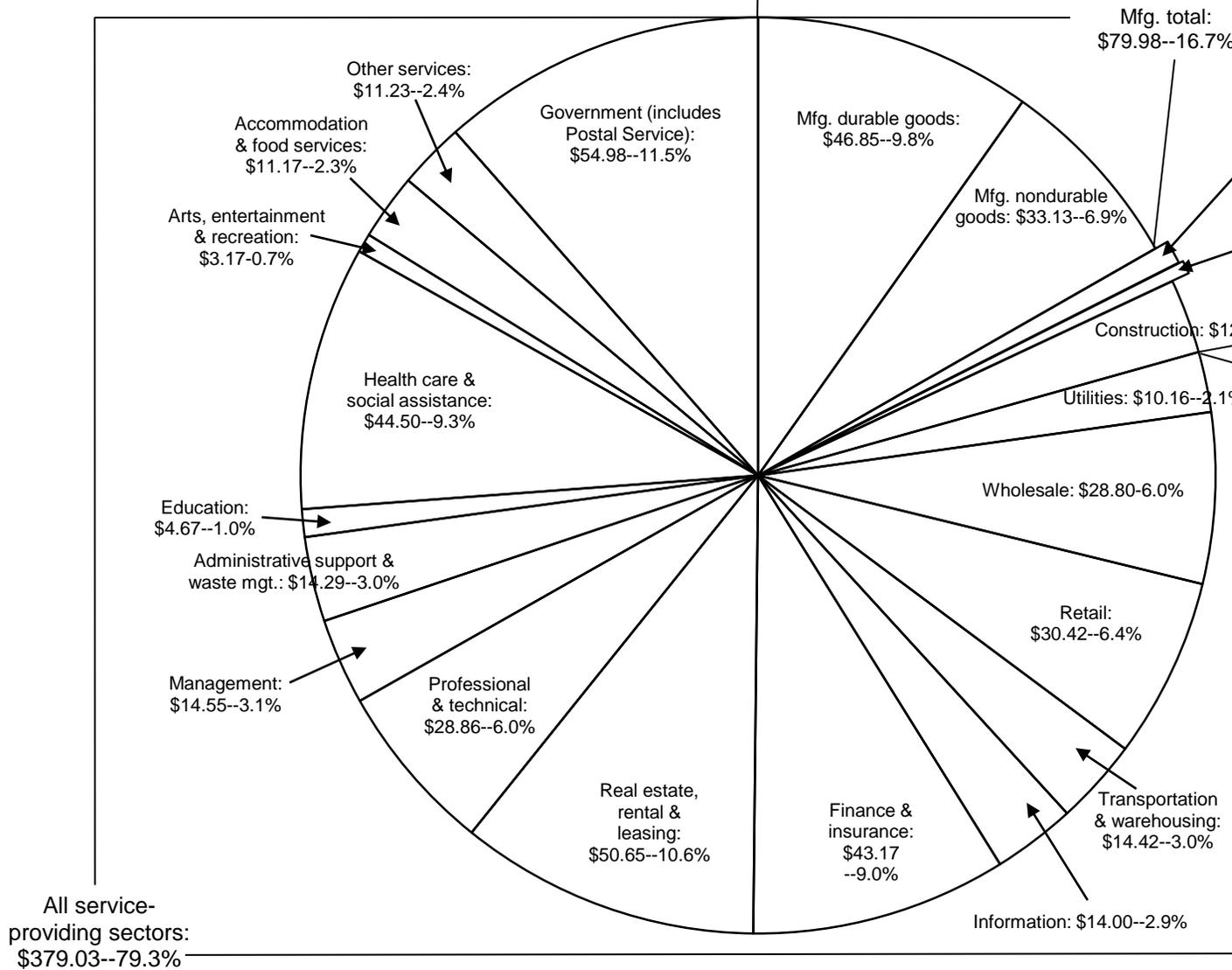
It is important to note that the chart above makes no adjustment for inflation. Consequently, it cannot be determined from current dollar figures how much of the year-to-year changes seen above are due to real economic growth, and how much are due to simple price increases. That issue is addressed later in the report.

Ohio's Gross Domestic Product by Sector: Initial Figures for 2010

(in billions, except percentages)

Total: \$477.70--100.0%
Private sector: \$422.72--88.5%

All goods-producing sectors: \$98.67--20.7%



Source: U.S. BEA
Note: figures may not sum to totals due to rounding.

THE COMPOSITION OF OHIO'S ECONOMY IN 2010

The chart above illustrates the distribution of economic activity in Ohio using the North American Industry Classification System (NAICS). Ohio's total economic output of \$477.70 billion in 2010 is divided into 20 sectors of varying sizes. (Durable and non-durable goods manufacturing are two parts of one sector).

Manufacturing is the largest single sector even in recession, with such establishments producing goods valued at \$79.98 billion that year, or 16.7 percent of the state's total economic output. Manufacturers are subdivided into producers of durable and non-durable goods, with the former producing significantly more than the latter: \$46.85 billion or 9.8 percent, compared with \$33.13 billion or 6.9 percent. (Generally, durable goods are made to last at least three years, while non-durables are expected to last less than three years.) Other private goods-producing sectors play smaller roles in Ohio's economy. They include construction: \$12.55 billion – 2.6 percent; agriculture, forestry, fishing and hunting: \$3.93 billion – 0.8 percent; and mining: \$2.21 billion – .5 percent. Goods production in the state totaled \$98.67 billion, or 20.7 percent of the total GDP from Ohio.

Services provided by public and private sectors in Ohio were \$379.03 billion, or 79.3 percent of its economy. Total private sector services (i.e., excluding government services) were \$324.05 billion, or 67.8 percent of the total. Real estate, rental and leasing is the largest private sector service with a value of \$50.65 billion, or 10.6 percent of the economy. Its size indicates the role home-ownership plays in the economy as well as the activity of real estate agents, landlords, lessors, etc. Health care and social assistance is the next largest sector, contributing \$44.50 billion – 9.3 percent – to the economy, followed by finance and insurance at \$43.17 billion and 9.0 percent. The only other private service sectors providing at least 5.0 percent of Ohio's economic output were wholesale and retail trade and professional-and-technical services, ranging from 6.0 to 6.4 percent. Other sectors played smaller roles. These include transportation-and-warehousing, information, the management of enterprises, administrative-support-and-waste-management, education, arts-entertainment-recreation, accommodation-and-food services, and the catch-all category of other services. Services provided by federal, state, and local governments amounted to 11.5 percent of the economy.

See Table A1

Gross Domestic Products for Metropolitan Areas in Ohio, 2009 (in millions, except percentages)

Area [^]	Private Sector*								Government*	
	Total	Goods-Producing*			Service-Providing*			Amount	Percent	
		Amount	Percent	Manufacturing		Amount	Percent			
				Amount	Percent					
U.S.	\$14,014,800	\$2,496,270	17.8%	\$1,584,830	11.3%	\$9,700,210	69.2%	\$1,818,320	13.0%	
Ohio	\$462,015	\$92,353	20.0%	\$73,154	15.8%	\$315,391	68.3%	\$54,273	11.7%	
Akron, OH	\$26,944	\$5,328	19.8%	\$4,376	16.2%	\$18,396	68.3%	\$3,220	12.0%	
Canton-Massillon, OH	\$12,813	\$3,393	26.5%	\$2,788	21.8%	\$8,134	63.5%	\$1,286	10.0%	
Cincinnati-Middletown, OH-KY-IN	\$98,260	\$18,029	18.3%	D	D	\$71,064	72.3%	\$9,168	9.3%	
Cleveland-Elyria-Mentor, OH	\$103,020	\$18,111	17.6%	\$15,062	14.6%	\$74,210	72.0%	\$10,699	10.4%	
Columbus, OH	\$91,308	\$11,241	12.3%	\$8,223	9.0%	\$68,558	75.1%	\$11,508	12.6%	
Dayton, OH	\$32,897	\$5,113	15.5%	\$4,106	12.5%	\$21,771	66.2%	\$6,013	18.3%	
Huntington-Ashland, WV-KY-OH	\$10,384	\$3,058	29.4%	\$2,367	22.8%	\$5,835	56.2%	\$1,491	14.4%	
Lima, OH	\$4,122	\$1,343	32.6%	\$1,186	28.8%	\$2,341	56.8%	\$437	10.6%	
Mansfield, OH	\$3,661	D	D	\$908	24.8%	D	D	\$542	14.8%	
Parkersburg-Marietta-Vienna, WV-OH	\$5,640	\$1,530	27.1%	D	D	\$3,242	57.5%	\$867	15.4%	
Sandusky, OH	\$2,845	\$748	26.3%	\$661	23.2%	\$1,735	61.0%	\$361	12.7%	
Springfield, OH	\$3,607	\$737	20.4%	\$586	16.2%	\$2,400	66.5%	\$470	13.0%	
Steubenville-Weirton, OH-WV	\$3,664	\$984	26.9%	\$737	20.1%	\$2,280	62.2%	\$400	10.9%	
Toledo, OH	\$25,397	\$5,806	22.9%	\$4,607	18.1%	\$16,274	64.1%	\$3,318	13.1%	
Wheeling, WV-OH	\$5,129	\$1,274	24.8%	\$507	9.9%	\$3,162	61.6%	\$694	13.5%	
Youngstown-Warren-Boardman, OH-PA	\$16,225	\$3,567	22.0%	\$2,889	17.8%	\$10,652	65.7%	\$2,006	12.4%	

Notes: * - components may not sum to total due to rounding; ^ - U.S. and Ohio estimates are revised, while metropolitan area estimates are preliminary; D - suppressed to maintain confidentiality.

Source: U.S. BEA (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

THE DISTRIBUTION OF GROSS DOMESTIC PRODUCTS IN METROPOLITAN AREAS, 2009

The U.S. BEA (2011) publishes GDP data for metropolitan areas. The table above shows the GDP for the 16 metropolitan areas wholly or partially in Ohio. Cleveland-Elyria-Mentor is the largest in the state, followed by Cincinnati-Middletown – including the portions in Kentucky and Indiana, and Columbus. The three are by far the largest, and combine to produce a value equal to 63.3 percent of Ohio's GDP. Other metropolitan areas contributing at least \$10 billion to Ohio's GDP include, in descending order, Dayton, Akron, Toledo, and Youngstown-Warren-Boardman – including the portion in Pennsylvania, and Canton-Massillon.

The table above also displays the amounts and percentages of GDP derived from the private sector goods-producing and service-providing subdivisions, as well as the government sector. (Private sector data occasionally are suppressed to maintain confidentiality.) Two phenomena seem notable in this regard. First, Cleveland, Cincinnati, and Columbus are the three largest goods-producing metropolitan areas in the state. Second, their portions of GDP derived from goods-production are less than the state average. In the case of Cincinnati and Cleveland, the portions are closer to the national average of 17.8 percent than they are to the state average of 20.0 percent. Columbus and Dayton are the only metropolitan areas in Ohio whose portion of GDP from goods-production is less than the national average.

On the other hand, goods-production plays a much more prominent role in many of Ohio's smaller metropolitan areas. This is especially true of manufacturing. Metropolitan areas in which manufacturing contributes at least 20 percent of GDP include Canton-Massillon, Huntington-Ashland, Lima, Mansfield, Sandusky, Steubenville-Weirton, and Youngstown. When compared with the national average, manufacturing is still a relatively important part of the economy in Akron, Cleveland, Dayton, Springfield, Toledo and Youngstown.

Federal, state and local government contributions to the metropolitan areas' GDP ranged from 9.3 percent in Cincinnati to 18.3 percent in Dayton. The relatively high percentage for Dayton probably reflects the importance of Wright-Patterson Air Force base.

DESCRIPTION OF OHIO'S ECONOMY

The Top 30 Economies in the World and the U.S.

Estimates, 2010		Totals, 2010			Manufacturing, 2010			Durable Goods, 2010			
Rank	Area	GDP* (billions)	Area	GDP^ (billions)	Percent of U.S.	Area	GDP^ (billions)	Percent of U.S.	Area	GDP^ (billions)	Percent of U.S.
	World	\$74,540.0	U.S.	\$14,551.8	100.00%	U.S.	\$1,717.5	100.00%	U.S.	\$961.2	100.00%
1	United States	\$14,660.0	California	\$1,901.1	13.06%	California	\$220.2	12.82%	California	\$129.4	13.46%
2	China	\$10,090.0	Texas	\$1,207.5	8.30%	Texas	\$160.7	9.36%	Texas	\$85.0	8.84%
3	Japan	\$4,310.0	New York	\$1,159.5	7.97%	Illinois	\$84.3	4.91%	Michigan	\$50.3	5.23%
4	India	\$4,060.0	Florida	\$747.7	5.14%	North Carolina	\$82.0	4.77%	Illinois	\$47.0	4.89%
5	Germany	\$2,940.0	Illinois	\$651.5	4.48%	Ohio	\$80.0	4.66%	Ohio	\$46.8	4.87%
6	Russia	\$2,223.0	Pennsylvania	\$569.7	3.91%	Pennsylvania	\$72.2	4.20%	Indiana	\$42.6	4.43%
7	United Kingdom	\$2,173.0	New Jersey	\$487.3	3.35%	Indiana	\$74.9	4.36%	Pennsylvania	\$39.1	4.07%
8	Brazil	\$2,172.0	Ohio	\$477.7	3.28%	New York	\$67.0	3.90%	Oregon	\$33.8	3.52%
9	France	\$2,145.0	Virginia	\$423.9	2.91%	Michigan	\$65.1	3.79%	New York	\$30.8	3.21%
10	Italy	\$1,774.0	North Carolina	\$424.9	2.92%	Wisconsin	\$47.3	2.75%	North Carolina	\$31.4	3.27%
11	Mexico	\$1,567.0	Georgia	\$403.1	2.77%	Georgia	\$44.5	2.59%	Washington	\$30.1	3.13%
12	Korea, South	\$1,459.0	Michigan	\$384.2	2.64%	Washington	\$40.2	2.34%	Wisconsin	\$28.1	2.92%
13	Spain	\$1,369.0	Massachusetts	\$378.7	2.60%	Louisiana	\$39.6	2.30%	Florida	\$26.1	2.72%
14	Canada	\$1,330.0	Washington	\$340.5	2.34%	Florida	\$38.4	2.24%	Massachusetts	\$24.7	2.57%
15	Indonesia	\$1,030.0	Maryland	\$295.3	2.03%	New Jersey	\$38.8	2.26%	Tennessee	\$23.3	2.42%
16	Turkey	\$960.5	Indiana	\$275.7	1.89%	Tennessee	\$39.9	2.32%	Minnesota	\$21.7	2.26%
17	Australia	\$882.4	Minnesota	\$270.0	1.86%	Oregon	\$38.7	2.26%	Connecticut	\$17.7	1.85%
18	Taiwan	\$821.8	Colorado	\$257.6	1.77%	Virginia	\$36.9	2.15%	Georgia	\$16.6	1.73%
19	Iran	\$818.7	Arizona	\$253.6	1.74%	Minnesota	\$35.7	2.08%	Alabama	\$16.8	1.75%
20	Poland	\$721.3	Tennessee	\$254.8	1.75%	Massachusetts	\$35.9	2.09%	Missouri	\$16.1	1.67%
21	Netherlands	\$676.9	Wisconsin	\$248.3	1.71%	Missouri	\$30.9	1.80%	Arizona	\$16.4	1.71%
22	Saudi Arabia	\$622.0	Missouri	\$244.0	1.68%	Alabama	\$28.1	1.64%	Virginia	\$15.7	1.64%
23	Argentina	\$596.0	Connecticut	\$237.3	1.63%	Kentucky	\$28.0	1.63%	South Carolina	\$16.0	1.67%
24	Thailand	\$586.9	Louisiana	\$218.9	1.50%	South Carolina	\$27.0	1.57%	Kentucky	\$14.9	1.55%
25	South Africa	\$524.0	Oregon	\$174.2	1.20%	Connecticut	\$25.9	1.51%	New Jersey	\$13.9	1.45%
26	Egypt	\$497.8	Alabama	\$172.6	1.19%	Iowa	\$25.4	1.48%	Iowa	\$12.9	1.34%
27	Ohio	\$477.7	South Carolina	\$164.4	1.13%	Arizona	\$20.3	1.18%	Colorado	\$10.4	1.09%
28	Pakistan	\$464.9	Kentucky	\$163.3	1.12%	Colorado	\$18.0	1.05%	Kansas	\$10.0	1.04%
29	Colombia	\$435.4	Oklahoma	\$147.5	1.01%	Maryland	\$17.9	1.04%	Utah	\$10.0	1.04%
30	Malaysia	\$414.4	Iowa	\$142.7	0.98%	Kansas	\$17.4	1.01%	Oklahoma	\$9.6	1.00%

Notes: * - Purchasing Power Parity basis, except Ohio; source for 2010 estimates except Ohio is the CIA (2011); source for Ohio is U.S. BEA (2011);
 ^ - preliminary; source is U.S. BEA (2011).

Sources: CIA (2011), U.S. BEA (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 6/11).

OHIO'S RANK AMONG THE STATES AND THE WORLD

If Ohio was a separate country, it would have the 27th largest economy in the world. The BEA's (2011) initial estimate of \$477.7 billion for 2010 places Ohio between Egypt and Pakistan at \$497.8 and \$464.9 billion, respectively. Ohio's rank between these two countries reflects the size of the corresponding populations – about 11,537,000 vs. 82,080,000 and 187,343,000 – as well as their levels of economic development (CIA, 2011; U.S. Bureau of the Census, 2011b).²

The table above also shows that Ohio ranked 8th in America with 3.28 percent of U.S. GDP. This 8th rank is not, however, uniformly characteristic of every aspect of Ohio's economy. Most notably, Ohio was the 5th greatest source of manufactured goods in America during 2010. The \$80.0 billion output was 4.66 percent of the corresponding national total. Ohio also ranked 5th in durable goods production with \$46.8 billion, or 4.87 percent, of the national total. It is noteworthy that in both instances manufacturing output from Ohio exceeded the corresponding totals of some more populous states: Florida, New York and Pennsylvania.

The table following on pages 14-16 highlights the major industries with large contributions to Ohio's high overall rank in manufacturing during 2009. They include electrical equipment and appliances (\$4.1 billion, 8.03 percent of the national total, making Ohio the largest source in the country) and plastic and rubber products (\$4.4 billion, 7.84 percent, also ranked 1st). Other manufacturing industries with comparatively large contributions to Ohio's total economic output include the production of motor vehicles, bodies, trailers, and parts (\$7.4 billion, 9.45 percent, ranked 3rd), primary and fabricated metal production (both ranked 3rd at \$3.2 and \$9.8 billion, and 7.44 and 8.06 percent, respectively), nonmetallic mineral products (\$2.3 billion, 5.96 percent, 3rd), machinery (\$5.6 billion, 5.01 percent, 5th) and printing and related support activities (\$1.6 billion, 4.85 percent, 7th).

The table also shows three service-providing industries making large contributions to Ohio's 8th overall rank in 2009: the management of companies and enterprises (\$13.8 billion, 5.61 percent, 5th), warehousing and storage (\$2.1 billion, 5.41 percent, 5th) and truck transportation (\$5.4 billion, 4.77 percent, 4th). (2010 data for major industries are not yet available.)

Ohio and U.S. Gross Domestic Products by Industry, 2009 (in millions of current dollars, except percentages, concentration ratios, and ranks)

1997 NAICS Codes	Industry Titles	GDP		Ohio as a Percent of the U.S.	Ohio::U.S. Concentra- tion Ratio	Ohio's Rank	Top Five States
		Ohio	U.S.				
11-92	All Industries	\$462,015	\$14,014,800	3.30%	1.00	8	CA, TX, NY, FL, IL
11-81	Private industries	\$407,741	\$12,196,500	3.34%	1.01	8	CA, TX, NY, FL, IL
11	Agriculture, forestry, fishing & hunting	\$3,336	\$133,137	2.51%	0.76	13	CA, IA, TX, WA, IL
111-112	Crop & animal production (farms)	\$3,045	\$103,964	2.93%	0.89	12	CA, IA, IL, NE, TX
113-115	Forestry, fishing & related activities	\$291	\$29,174	1.00%	0.30	32	CA, WA, FL, TX, OR
21	Mining	\$2,168	\$240,843	0.90%	0.27	17	TX, LA, CA, OK, WY
211	Oil & gas extraction	\$564	\$141,671	0.40%	0.12	15	TX, LA, CA, OK, AK
212	Mining, exc. oil & gas	\$1,076	\$48,941	2.20%	0.67	14	WV, KY, WY, AZ, NV
213	Support activities for mining	\$528	\$50,230	1.05%	0.32	16	TX, LA, OK, CO, WY
22	Utilities	\$9,704	\$268,107	3.62%	1.10	7	CA, TX, NY, FL, IL
23	Construction	\$13,695	\$537,460	2.55%	0.77	12	CA, TX, FL, NY, IL
31-33	Manufacturing	\$73,154	\$1,584,830	4.62%	1.40	5	CA, TX, IL, NC, OH
32p & 33	Durable goods	\$42,037	\$867,200	4.85%	1.47	5	CA, TX, MI, IL, OH
321	Wood products	\$679	\$20,866	3.25%	0.99	12	TX, CA, OR, PA, NC
327	Nonmetallic mineral products	\$2,274	\$38,160	5.96%	1.81	3	TX, CA, OH , FL, PA
331	Primary metals	\$3,230	\$43,409	7.44%	2.26	3	PA, IN, OH , TX, AL
332	Fabricated metal products	\$9,823	\$121,900	8.06%	2.44	3	CA, TX, OH , IL, PA
333	Machinery	\$5,641	\$112,658	5.01%	1.52	5	IL, TX, CA, WI, OH
334	Computer & electronic products	\$2,088	\$206,428	1.01%	0.31	21	CA, TX, OR, MA, NC
335	Electrical equipment & appliances	\$4,148	\$51,678	8.03%	2.43	1	OH , NC, IL, WI, CA
336	Transportation equipment	\$11,217	\$168,865	6.64%	2.01	5	MI, WA, CA, TX, OH
3361-3363	Motor vehicles, bodies, trailers & parts	\$7,383	\$78,160	9.45%	2.87	3	MI, IN, OH , KY, TX
3364-3369	Other transportation equipment	\$3,834	\$90,705	4.23%	1.28	6	WA, CA, TX, CT, FL
337	Furniture & related products	\$970	\$24,218	4.01%	1.21	8	MI, CA, NC, TX, IN
339	Miscellaneous mfg.	\$1,967	\$79,018	2.49%	0.76	14	CA, IN, FL, NY, IL
31 & 32p	Nondurable goods (leather & allied products not shown)	\$31,117	\$717,634	4.34%	1.32	7	CA, TX, NC, IL, NY
311-312	Food products	\$8,462	\$206,098	4.11%	1.25	9	CA, NC, VA, TX, IL
313-314	Textile & textile product mills	\$341	\$17,649	1.93%	0.59	13	GA, NC, CA, SC, NY
315	Apparel	\$196	\$11,670	1.68%	0.51	14	CA, NY, NC, NJ, PA
322	Paper	\$1,993	\$56,130	3.55%	1.08	10	WI, PA, GA, CA, AL
323	Printing & related support activities	\$1,592	\$32,814	4.85%	1.47	7	CA, IL, NY, PA, WI
324	Petroleum & coal products	\$4,468	\$120,049	3.72%	1.13	5	CA, TX, LA, IL, OH
325	Chemical	\$9,617	\$216,488	4.44%	1.35	8	TX, CA, NC, IN, NY
326	Plastics & rubber products	\$4,449	\$56,735	7.84%	2.38	1	OH , IL, CA, TX, PA
42	Wholesale trade	\$27,976	\$780,784	3.58%	1.09	9	CA, TX, NY, FL, IL
44-45	Retail trade	\$28,933	\$819,648	3.53%	1.07	7	CA, TX, FL, NY, IL

Ohio and U.S. Gross Domestic Products by Industry, 2009 (in millions of current dollars, except percentages, concentration ratios, and ranks)

1997 NAICS Codes	Industry Titles	GDP		Ohio as a Percent of the U.S.	Ohio::U.S. Concentra- tion Ratio	Ohio's Rank	Top Five States
		Ohio	U.S.				
48-49 (exc. 491)	Transportation & warehousing, exc. Postal Service	\$14,279	\$389,498	3.67%	1.11	8	CA, TX, IL, FL, NY
481	Air transportation	\$1,576	\$61,858	2.55%	0.77	14	TX, CA, GA, IL, FL
482	Rail transportation	\$1,105	\$30,833	3.58%	1.09	6	NE, TX, IL, MO, KS
483	Water transportation	\$95	\$14,300	0.66%	0.20	25	FL, LA, CA, TX, NY
484	Truck transportation	\$5,389	\$113,087	4.77%	1.45	4	CA, TX, IL, OH , PA
485	Transit & ground passenger transportation	\$367	\$23,373	1.57%	0.48	19	NY, CA, IL, NJ, TX
486	Pipeline transportation	\$197	\$12,017	1.64%	0.50	12	TX, AK, CA, OK, PA
487, 488, 492	Other transportation & support activities	\$3,419	\$94,679	3.61%	1.10	8	CA, TX, FL, NY, TN
493	Warehousing & storage	\$2,130	\$39,351	5.41%	1.64	5	CA, PA, TX, IL, OH
51	Information	\$13,402	\$639,350	2.10%	0.64	13	CA, NY, TX, FL, WA
511	Publishing including software	\$4,287	\$147,729	2.90%	0.88	11	CA, NY, WA, MA, TX
512	Motion picture & sound recording industries	\$300	\$59,755	0.50%	0.15	19	CA, NY, TX, FL, TN
513	Broadcasting & telecommunications	\$7,693	\$355,836	2.16%	0.66	13	CA, NY, TX, FL, GA
514	Information & data processing services	\$1,122	\$76,030	1.48%	0.45	17	CA, TX, NY, FL, VA
52	Finance & insurance	\$42,317	\$1,171,610	3.61%	1.10	8	NY, CA, TX, IL, FL
521-522	Federal Reserve banks, credit intermediation & related services	\$21,917	\$514,048	4.26%	1.29	7	NY, CA, NC, TX, FL
523	Securities, commodity contracts, investments	\$2,178	\$175,200	1.24%	0.38	13	NY, CA, IL, MA, NJ
524	Insurance carriers & related activities	\$17,667	\$424,539	4.16%	1.26	8	NY, CA, IL, TX, CT
525	Funds, trusts & other financial vehicles	\$555	\$57,825	0.96%	0.29	21	NY, PA, CA, TX, CT
53	Real estate, rental & leasing	\$51,518	\$1,868,670	2.76%	0.84	9	CA, NY, FL, TX, IL
531	Real estate	\$46,464	\$1,686,530	2.76%	0.84	10	CA, NY, FL, TX, IL
532-533	Rental & leasing services & lessors of intangible assets	\$5,054	\$182,148	2.77%	0.84	10	CA, TX, FL, IL, NJ
54	Professional & technical services	\$28,052	\$1,068,510	2.63%	0.80	13	CA, NY, TX, IL, VA
5411	Legal services	\$5,046	\$219,167	2.30%	0.70	11	NY, CA, IL, TX, FL
5415	Computer systems design & related services	\$5,285	\$169,610	3.12%	0.95	12	CA, VA, TX, NY, MA
5412-5414, 5416-5419	Other professional, scientific & technical services	\$17,720	\$679,729	2.61%	0.79	12	CA, NY, TX, IL, VA
55	Management of companies & enterprises	\$13,816	\$246,472	5.61%	1.70	5	CA, NY, PA, IL, OH
56	Administrative & waste services	\$13,471	\$386,292	3.49%	1.06	7	CA, TX, FL, NY, IL
561	Administrative & support services	\$12,116	\$347,579	3.49%	1.06	8	CA, TX, FL, NY, IL
562	Waste management & remediation services	\$1,355	\$38,712	3.50%	1.06	9	CA, TX, NY, WA, IL
61	Educational services	\$4,490	\$154,913	2.90%	0.88	9	NY, CA, PA, MA, IL
62	Health care & social assistance	\$42,472	\$1,057,950	4.01%	1.22	7	CA, NY, TX, FL, PA
621	Ambulatory health care services	\$18,956	\$514,240	3.69%	1.12	8	CA, TX, NY, FL, PA
622-623	Hospitals & nursing & residential care facilities	\$20,543	\$452,728	4.54%	1.38	7	CA, NY, TX, PA, FL
624	Social assistance	\$2,973	\$90,980	3.27%	0.99	9	NY, CA, PA, TX, FL

Ohio and U.S. Gross Domestic Products by Industry, 2009 (in millions of current dollars, except percentages, concentration ratios, and ranks)

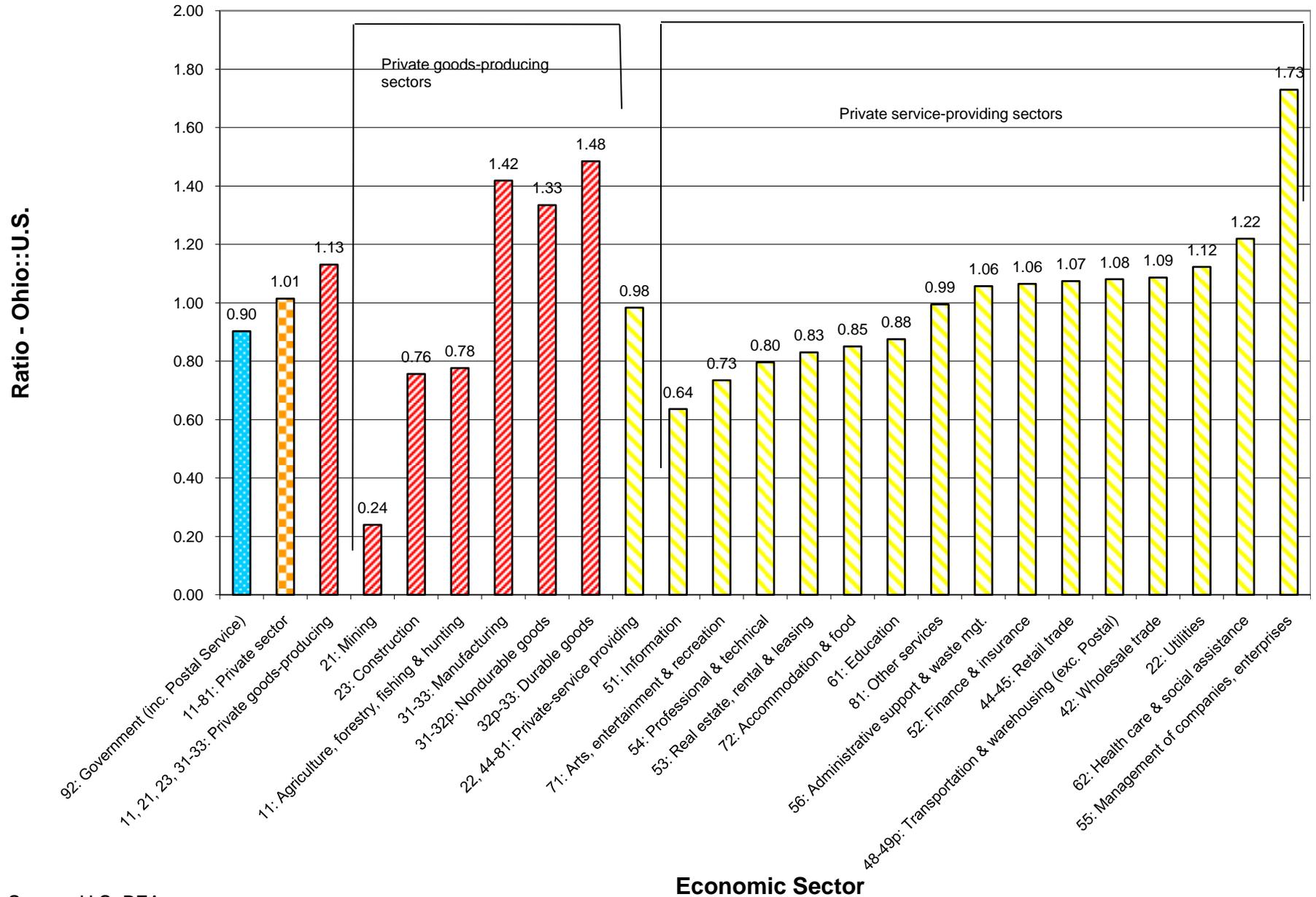
1997 NAICS Codes	Industry Titles	GDP		Ohio as a Percent of the U.S.	Ohio::U.S. Concentra- tion Ratio	Ohio's Rank	Top Five States
		Ohio	U.S.				
71	Arts, entertainment & recreation	\$3,146	\$127,297	2.47%	0.75	9	CA, NY, FL, TX, PA
711-712	Performing arts, museums & related activities	\$1,746	\$70,947	2.46%	0.75	9	CA, NY, FL, TX, PA
713	Amusements, gambling & recreation	\$1,400	\$56,350	2.48%	0.75	12	CA, FL, NY, TX, PA
72	Accommodation & food services	\$10,866	\$385,760	2.82%	0.85	9	CA, TX, FL, NY, NV
721	Accommodation	\$1,576	\$108,657	1.45%	0.44	21	NV, CA, FL, NY, TX
722	Food services & drinking places	\$9,290	\$277,102	3.35%	1.02	7	CA, TX, FL, NY, IL
81	Other services, exc. government	\$10,949	\$335,401	3.26%	0.99	7	CA, TX, NY, FL, IL
92	Government	\$54,273	\$1,818,320	2.98%	0.91	10	CA, TX, NY, FL, VA
92a & 92b	Federal government	\$10,874	\$507,342	2.14%	0.65	13	CA, VA, TX, DC, MD
92a	Civilian (inc. Postal Service)	\$8,263	\$317,473	2.60%	0.79	11	DC, CA, VA, MD, TX
92b	Military	\$2,611	\$189,869	1.38%	0.42	22	CA, TX, VA, NC, GA
92c	State & local	\$43,400	\$1,310,970	3.31%	1.00	7	CA, NY, TX, FL, IL

Notes: exc. - except; inc. - including; p - part. Components may not sum to totals due to rounding.

Sources: U.S. Bureau of Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 6/11).

The Relative Concentration of U.S. Economic Activity in Ohio, 2010



Source: U.S. BEA

COMPARING THE DISTRIBUTION OF ECONOMIC ACTIVITY IN OHIO WITH THAT OF THE U.S.

A previous section showed the distribution of economic activity in Ohio across sectors of the economy. For example, manufacturing was the largest sector in Ohio at 16.74 percent of GDP in 2010, while mining was the smallest at 0.46 percent. This section furthers our understanding of Ohio's economy by comparing the distribution of output across sectors in Ohio with the corresponding national distribution. The graph above shows the ratios of these percentages for each sector. Continuing with the two examples, output from manufacturing and mining comprised 11.80 and 1.93 percent, respectively, of U.S. GDP in 2010. When compared with those for Ohio, these yield ratios of 1.42 for manufacturing (16.74 percent divided by 11.80 percent) and .24 for mining (0.46 percent divided by 1.93 percent). There are two ways to express the meanings of these figures. One way is to say that Ohio's economy is *relatively* more dependent on manufacturing and less dependent on mining than the American economy. The other way is to note that manufacturing in America is concentrated in Ohio, while mining is not. (A ratio of 1.00 indicates proportional activity, neither concentrated nor sparse.)

The concentration of one sector or industry here means that another must be relatively sparse. In this sense, Ohio's economy is characterized in broad terms by the graph above. It is driven a bit more by private sector activity than by government activity, as indicated by the concentration ratios of 1.01 and .91, respectively. Although goods-production is concentrated in the state (1.13), this reflects the concentration of manufacturing activity here (1.42), particularly durable goods production (1.48). Non-durable goods production is also concentrated in Ohio (1.33). On the other hand, mining, construction, and agriculture-forestry-fishing-hunting activity (.24, .76, and .78, respectively) are more or less sparse.

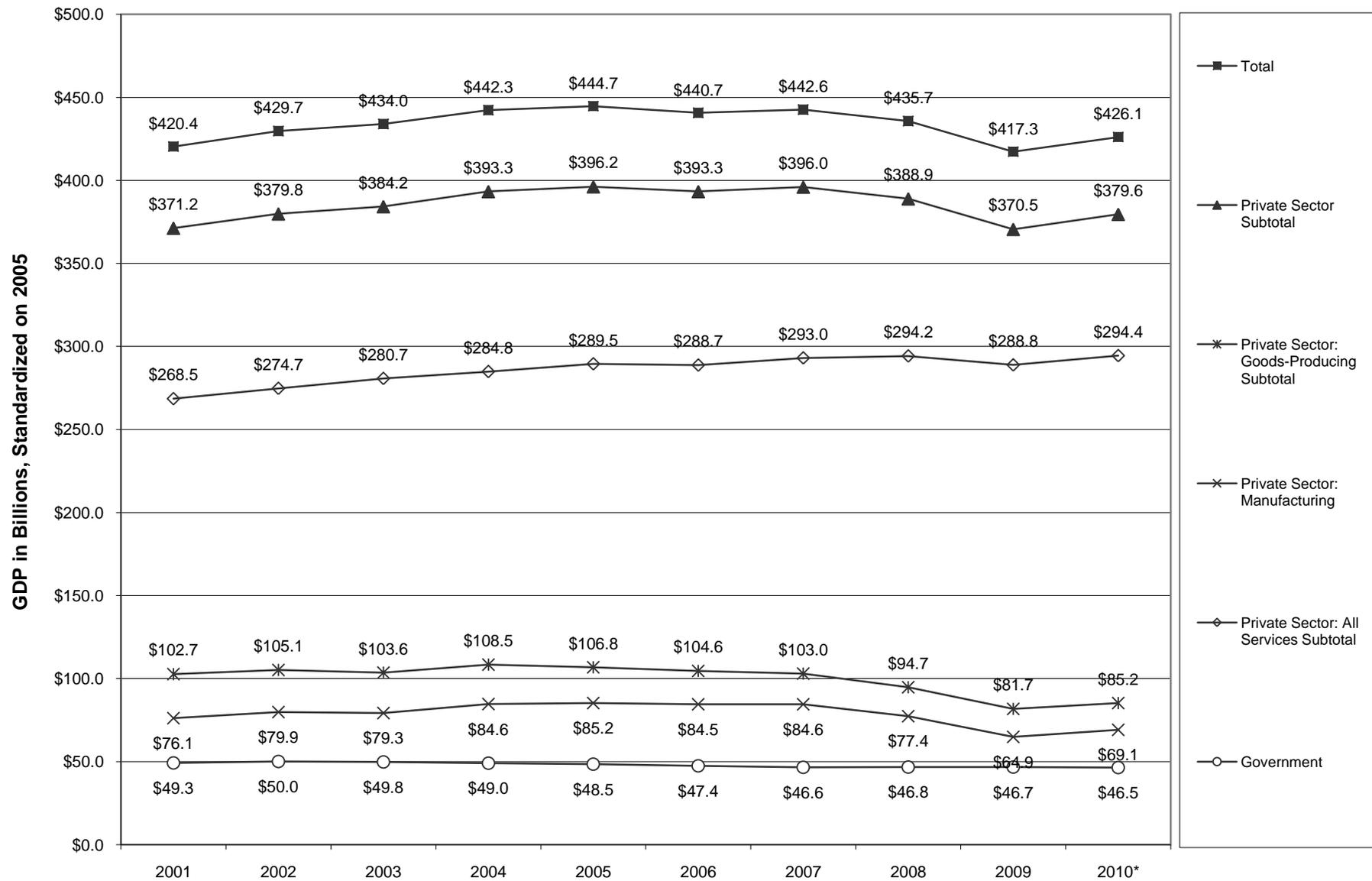
The preceding section showed that service-providing industries collectively account for most economic activity in Ohio (79.34 percent with government, 67.84 percent without); yet the graph above shows that, as a whole, their contribution to the GDP from Ohio is nearly proportional with that of the nation (.98). However, this generalization masks considerable variability. The most notable departure is the concentration of company and enterprise management (1.73). Health care and social assistance collectively are concentrated in Ohio (1.22), as are, to a lesser extent, utility services (1.12). Other services provided that are roughly proportional with the national distribution include wholesale and retail trade, transportation and warehousing, finance and insurance, administrative support-waste management, and other non-governmental services specified in NAICS 81.

See Table A1

RECENT CHANGES IN OHIO'S ECONOMY

Changes in Ohio's Economic Output, 2001-2010

After the Effects of Inflation Have Been Removed



Source: U.S. BEA

* - Preliminary; earlier figures may be revised.

REMOVING THE EFFECTS OF INFLATION

The chart above illustrates the real expansion and contraction in Ohio's economic output after the effects of inflation have been removed. In a sense, it permits comparisons between years of the *volumes* of goods produced and services provided. The total GDP figures (standardized on 2005) show growth in the output of goods and services in Ohio from \$420.4 to \$442.6 billion for the years 2001 through 2007, with the exception of 2006 when output dipped slightly. The decline to \$417.3 billion for 2009 defines the recession and means that *all* of the net growth for 2001-2007 was wiped out. The initial estimate of \$426.1 billion for 2010, an increase from 2009, is the first full year of recovery. This history reflects largely reflects what happened in the private sector; government services contracted with no significant interruption from \$50 billion in 2002 to \$46.5 billion in 2010 – slight in context of the overall picture.

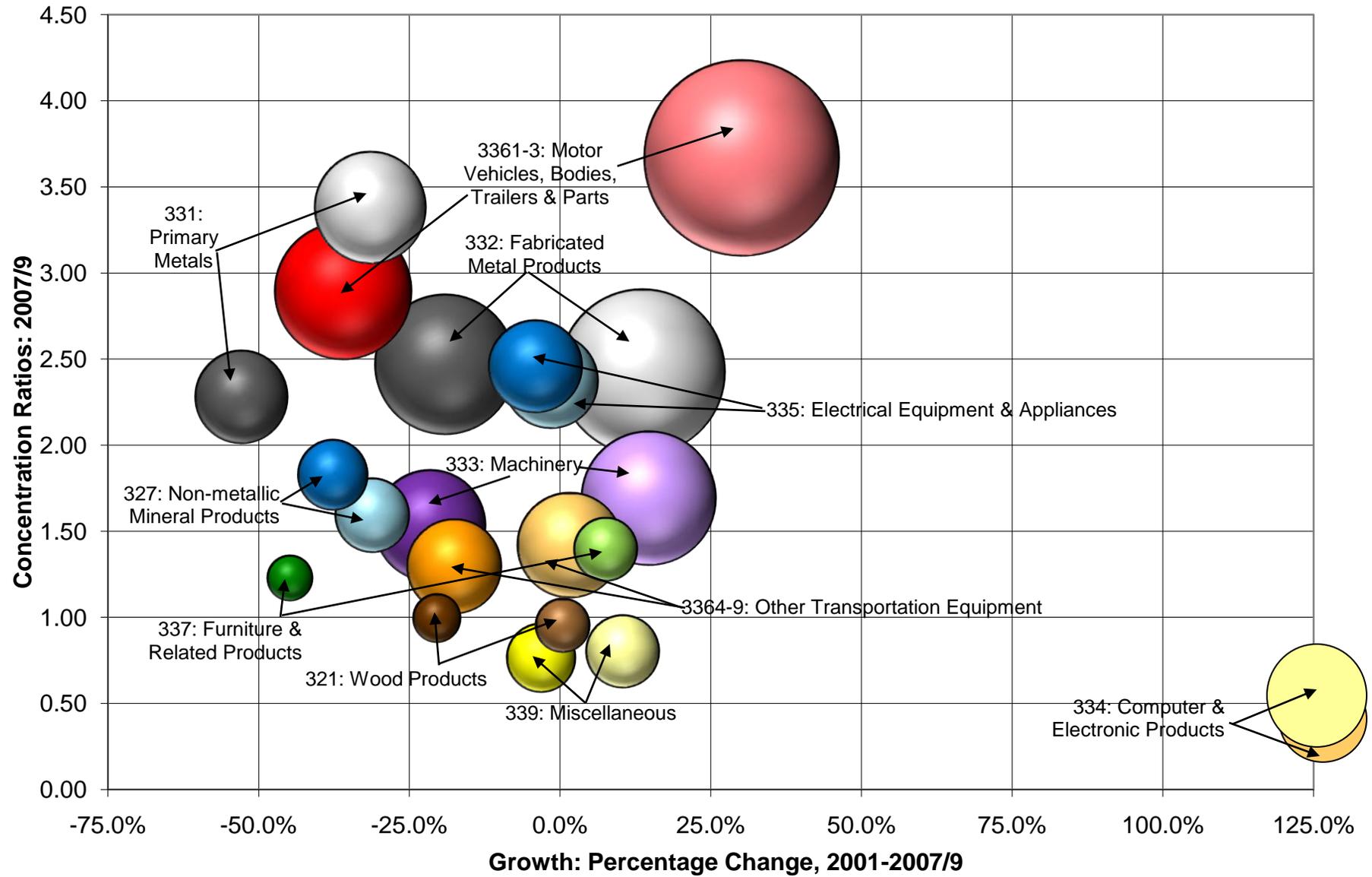
The graph above further specifies where changes occurred in the private sector. The collective output of goods producers rose from the recession low of \$102.7 billion in 2001 to \$108.5 billion in 2004, but fell 24.7 percent to \$81.7 billion in 2009. The initial estimate for 2010 is \$85.2 billion. The bulk of these changes were in manufacturing, which rose from \$76.1 billion in 2001 to a plateau around \$85 billion in the middle years of the decade before plunging 23.8 percent to \$64.9 billion in 2009. Output rose to \$69.1 billion in 2010. Data from appendix table A2 show that the net decline in durable goods production from 2007 was steeper than that of non-durable goods: -30.2 percent vs. -12.1 percent. (The volume of durable goods production currently is almost 60 percent greater than that of non-durable goods.) Among the three smallest sectors, output from agriculture-forestry-fishing-hunting has risen to its highest level in a decade, while the volume of goods produced by mining and construction has plummeted.

By contrast, the collective output of private sector service-providers increased each year until 2009, when it declined from \$294.2 billion in 2008 to \$288.8 billion; the initial estimate for 2010 is \$294.4 billion. Some sectors showed greater-than-average growth over the decade even though output may not have increased every year. These include wholesale trade, information, finance-insurance, professional-technical services, enterprise management, and healthcare-social assistance. Administrative-waste remediation services were close to the overall private service average. Other sectors experienced slower-than-average growth or a net decline. Private sector services as a whole turned around in 2010, with recoveries evident in utilities, retail trade, information, enterprise management, administrative-waste services, arts-entertainment-recreation, and accommodation-food services. Still, the growth in these and other sectors was offset by lower levels in transportation-warehousing, real estate-rental-leasing, educational and other non-governmental services (NAICS 81).

The following sections provide more information about sectors and major industries: their relative concentration in Ohio's economy, industry groups driving the concentration within them (or exceptions if the latter are sparse), how they may have changed here during the last few years, and a comparison with corresponding national trends.

See Table A2

Ohio GDP: Growth, Concentration, & Size: Manufacturing Durable Goods



Source: U.S. BEA

DURABLE GOODS PRODUCTION

The chart above illustrates a number of things about durable goods production in Ohio since 2001, the recession prior to 2008-2009. There are two bubbles for each major industry (or cluster of groups, in the case of transportation equipment); the paler, less saturated colors shows the changes from 2001 through 2007, while the darker, more saturated shades of the same colors show changes from 2001 through 2009. In both cases, larger bubble sizes indicate greater volumes of goods produced, the heights above the horizontal axis indicate the concentration in Ohio, and distances from the vertical axis indicates the changes in production volumes over the years. For example, the production of motor vehicles, bodies, trailers and parts – the motor vehicle industry for short – is a comparatively large part of Ohio's economy and is highly concentrated here, as indicated by the size and height of the red bubbles. While there was real growth of 30.2 percent in production from 2001-2007, there was a net decline from 2001 by 2009 of 36 percent; data in appendix table A5 show a nearly 51 percent decline in volume in two years. This change is so dramatic that the more color-saturated bubble (2001-9) is noticeably smaller and lower on the chart than the paler one (2001-7).

Similar – but less dramatic – changes in other major durable goods industries also are seen in the chart. These include fabricated metal products (gray), machinery (purple), other transportation equipment (orange), furniture and related products (green), wood products (brown) and miscellaneous manufacturing (yellow). (The last two industries are not concentrated here.) In other major industries, production volumes dropped from 2001-7 and continued falling to 2009; this is true for primary metals (also gray) and non-metallic mineral products (blue). However, the concentration of non-metallic mineral production here actually increased. There was comparatively little change in the output electrical equipment and appliances (also blue). The manufacture of computer and electronic products (gold) was Ohio's only major durable goods industry to show real growth in 2001-9. However, output fell 14.2 percent from 2007 to 2009, and the industry is not concentrated here.

Durable goods output in Ohio dropped with the recession of 2001. Its recovery peaked in 2005, declining gradually thereafter until plunging in 2009. This departs somewhat from the national experience. U.S. durable goods output fell in the 2001 recession, but recovered by 2003 and continued growing into 2008 before falling in 2009. As in Ohio, national production levels of many major industries were below those of 2001: wood and non-metallic mineral products, primary and fabricated metals, machinery, the motor vehicle industry, and furniture. Also like Ohio, the only industry to retain substantial growth over 2001 was computer and electronic products.

The net growth rate of durable goods production in Ohio from 2001 through 2007 was less than the corresponding national growth rate, and the net percentage drop in output from Ohio during the 2007-2009 period was steeper than the national experience. Consequently, durable goods production is now less concentrated in Ohio than it used to be. Initial estimates for 2010 show real growth here and across the nation, but output levels remain below those of 2007.

With few exceptions, GDP data provide no specific information about industry groups within major industries. However, employment data from County Business Patterns (U.S. Bureau of the Census, 2011a) for the state and the nation can be used to calculate concentration ratios for industry groups within major industries, thereby providing further insight into the sectors.³ For example, County Business Patterns data indicate that vehicle assembly (NAICS 3361) and parts production (3363) are particularly concentrated in Ohio, while the manufacture of bodies and trailers (3362) is roughly proportional. Additional data confirm this concentration in assembly and parts production: in 2010, 17.4 percent of the cars and 12.6 percent of the light trucks assembled in the U.S. came from six high-volume plants in Ohio. Combining the two means that 14.4 percent of U.S. light vehicle production originated in Ohio, making it the 2nd-ranked source for light vehicles (Automotive News, 2011). Data from ELM International (2010) indicate that Ohio has the second largest number of establishments in America directly supplying parts to vehicle assemblers.

County Business Patterns data also show that, except for other transportation equipment (3369), activity in the remaining transportation groups (3364-3366) is not concentrated here. The concentration in other transportation equipment probably reflected the activity at the M1 tank plant.

County Business Patterns data illuminate other major industries as well. Activity in all of the primary metal groups is concentrated in Ohio: iron and steel mills and ferroalloy production (3311), steel products made from purchased steel (3312), aluminum smelting and products (3313), and, generally, the production of other metals – notably copper (3314). Foundry employment (3315) is also concentrated here (U.S. Bureau of the Census, 2011a). Data from other sources show Ohio's prominent role in steel production: typically one-eighth to one-sixth of U.S. raw steel production originates in Ohio. (The low percentage in 2009 was an exception (American Iron & Steel Institute, 1974-2004; International Iron and Steel Institute, 2010; Ohio Steel Council, 2010)).

Activity in all nine fabricated metal (332) groups is more or less concentrated in Ohio (U.S. Bureau of the Census 2011a). Activities include shaping metal pieces by forging, heat-treating, coating stamping, bending, forming, machining, engraving and/or welding purchased materials. (Stampings for motor vehicles are classified as motor vehicle parts (33637).) Products include cutlery, unpowered hand tools, boilers, containers, hardware, nuts, bolts, screws, rivets, springs, wires, valves and plumbing fixtures, bearings, safes, ladders, washers, tanks, and the output of machine shops. (Washing machines and military weapons are classified elsewhere.) In this case, County Business Patterns data lead to the conclusion that it is the combination of a variety of such goods made in large volume that results in Ohio's 3rd rank in industry GDP.

Activity in machinery manufacturing is concentrated in five of the seven industry groups: industrial machinery (3332), heating, ventilation, air conditioning, and commercial refrigeration equipment (3334), metalworking machinery (3335), engines, turbines and power transmission equipment (3336), and general purpose machinery (3339) (U.S. Bureau of the Census,

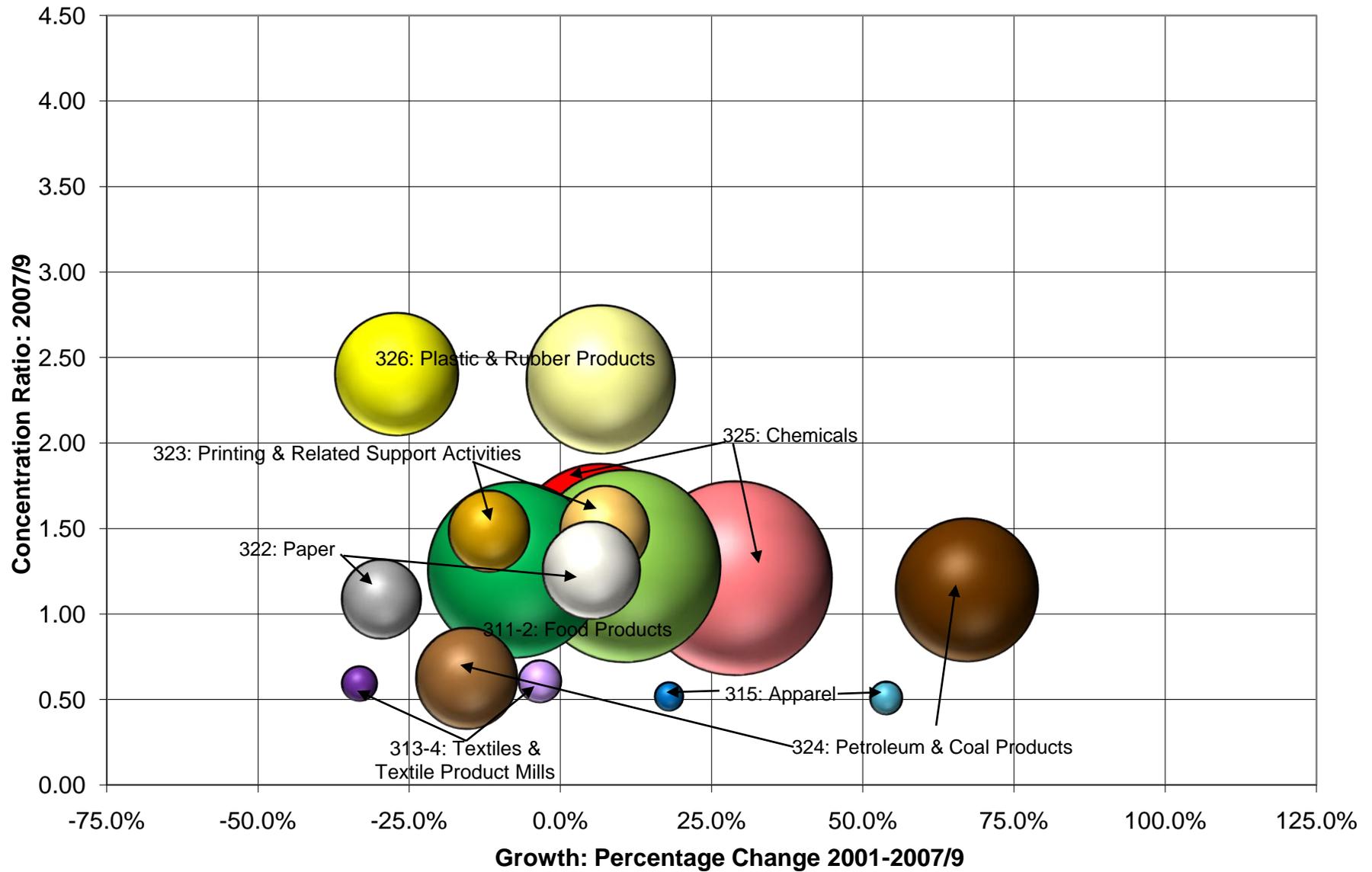
2011a). As with fabricated metals, it is the combination of a variety of goods made in large volume that results in Ohio's overall 5th rank in industry GDP.

Ohio is the leading source for electrical equipment and appliances in the U.S. Activity is more or less concentrated in all four groups: electric lighting equipment (3351), household appliances (3352), electrical equipment (3353) such as motors, generators (except turbines, which are classified elsewhere), transformers, switching equipment, relays, and industrial controls, and other electrical equipment and components (3359) such as batteries, wires, and cables (U.S. Bureau of the Census, 2011a).

Manufacturing non-metallic mineral products (327) is concentrated in Ohio. Data point to clay (3271), glass (3272), and other materials (3279) as the concentrated groups driving production here. On the other hand, the concentration of furniture and related products reflects the concentration of household and institutional furniture and kitchen products (3371) alone (U.S. Bureau of the Census, 2011a).

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Manufacturing Non-durable Goods



Source: U.S. BEA

NON-DURABLE GOODS PRODUCTION

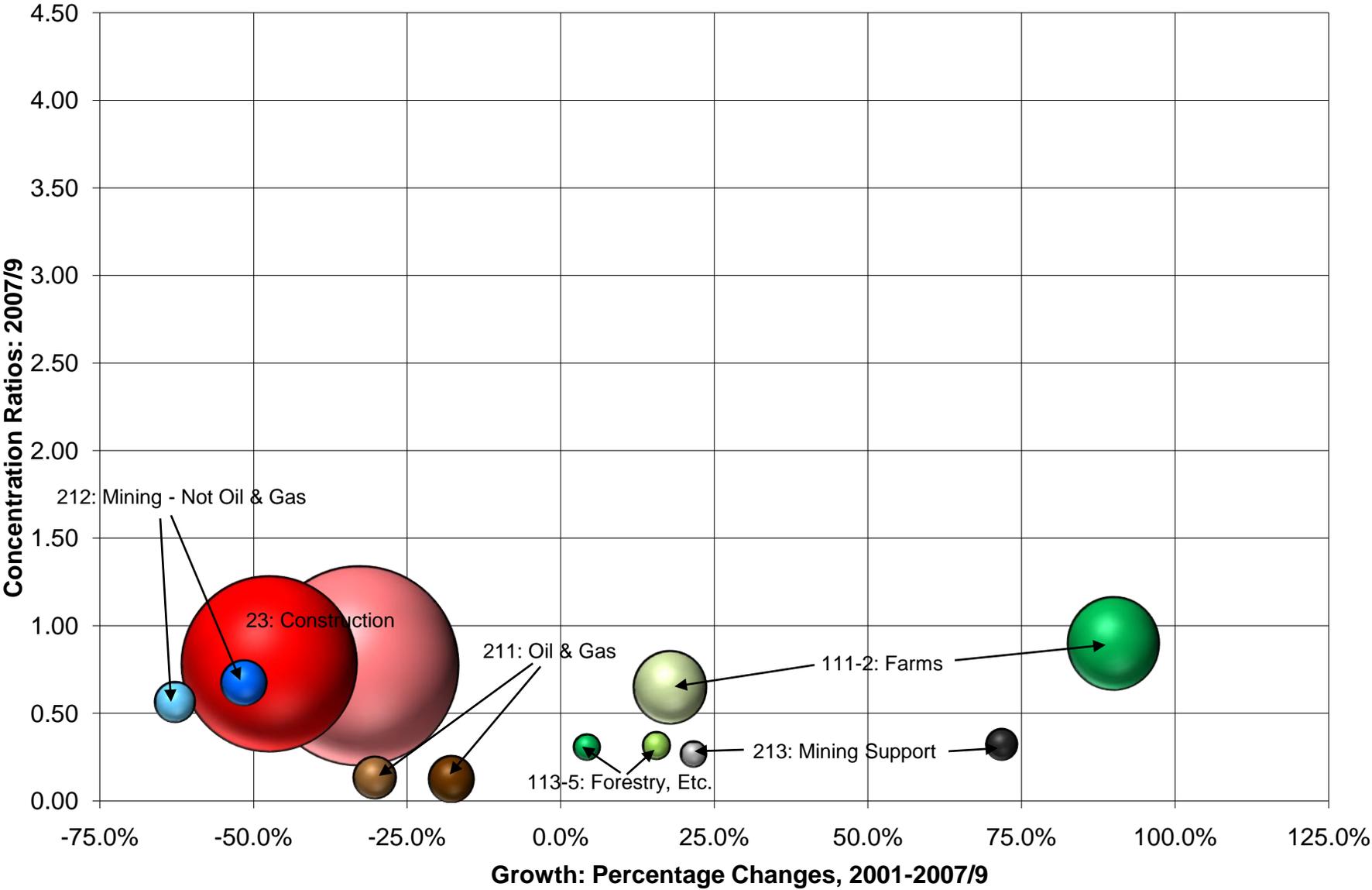
The chart above illustrates experiences similar to those of durable goods producers. Six of the eight non-durable goods clusters in Ohio saw real net growth, more or less, from 2001 through 2007. These include food and beverage products, apparel, paper, printing and related support activities, chemicals, and rubber and plastic products – all indicated by the lighter, paler shades of colors. The exceptions were petroleum and coal products (light brown), which rose and fell, and textile and textile mill products (light purple), which fluctuated with little net change. By contrast, output fell from 2007 to 2009 in seven of the eight clusters; output remained above 2001 levels in only two of the seven – chemicals and apparel (dark red, dark blue, respectively). The big exception to the recession was the spectacular growth in petroleum and coal products (dark brown), which rose to its highest level in the time period.

Non-durable goods production in Ohio quickly recovered from the 2001 recession, fluctuating around \$29 billion annually through 2007. Output fell in 2008 and, though improved in 2009, remained below the 2001 level. This overall pattern largely reflects what happened for the nation as a whole, except that national output fell even lower in 2009. Cluster-by-cluster comparisons between Ohio and the U.S. also show similar change patterns for 2001-7 and 2007-9, the sole exception being petroleum and coal products. Initial figures for 2010 show growth from 2009, although output levels remain below those of 2007.

Overall production of non-durable goods is concentrated in Ohio, although not to the extent of durable goods. As with durable goods, the concentration is greater in some industries – notably plastic and rubber products (yellow), printing and related support activities (gold), chemicals (red), and food products (green). Lesser concentrations are evident in paper (gray) and now petroleum and coal products (dark brown only). Again, County Business Patterns data provide further insight into groups driving production in the state. Manufacturing plastic (NAICS 3261) and rubber (3262) products – especially the latter – is concentrated here, making Ohio the leading state in that major industry. In other major industries, though, the concentration is evident only in some groups. For example, the data show paper production focusing on the conversion of paper products (3222) to things such as corrugated items, boxes, bags, stationary, envelopes, coatings, laminates and other treatments, from purchased paper – not the initial production of paper (3221).⁴ Particular food products concentrated here include food for animals (3111), specialty foods and the preservation of fruits and vegetables (3114), bakeries (3118) and other food products such as snacks, coffee and tea, syrups, seasonings, dressings, spices, popcorn, etc. (3119). Chemical groups more or less concentrated here include basic chemicals such as industrial gases, pigments, dyes, chlorine, etc. (3251), plastic resins, synthetic rubber, etc. (3252), paints, coatings and adhesives (3255), soaps and cleaners (3256), and other preparations as diverse as inks and explosives (3259) (U.S. Bureau of the Census, 2011a).

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Non-manufacturing Goods-Producing Industries



Source: U.S. BEA

NON-MANUFACTURING GOODS-PRODUCING INDUSTRIES

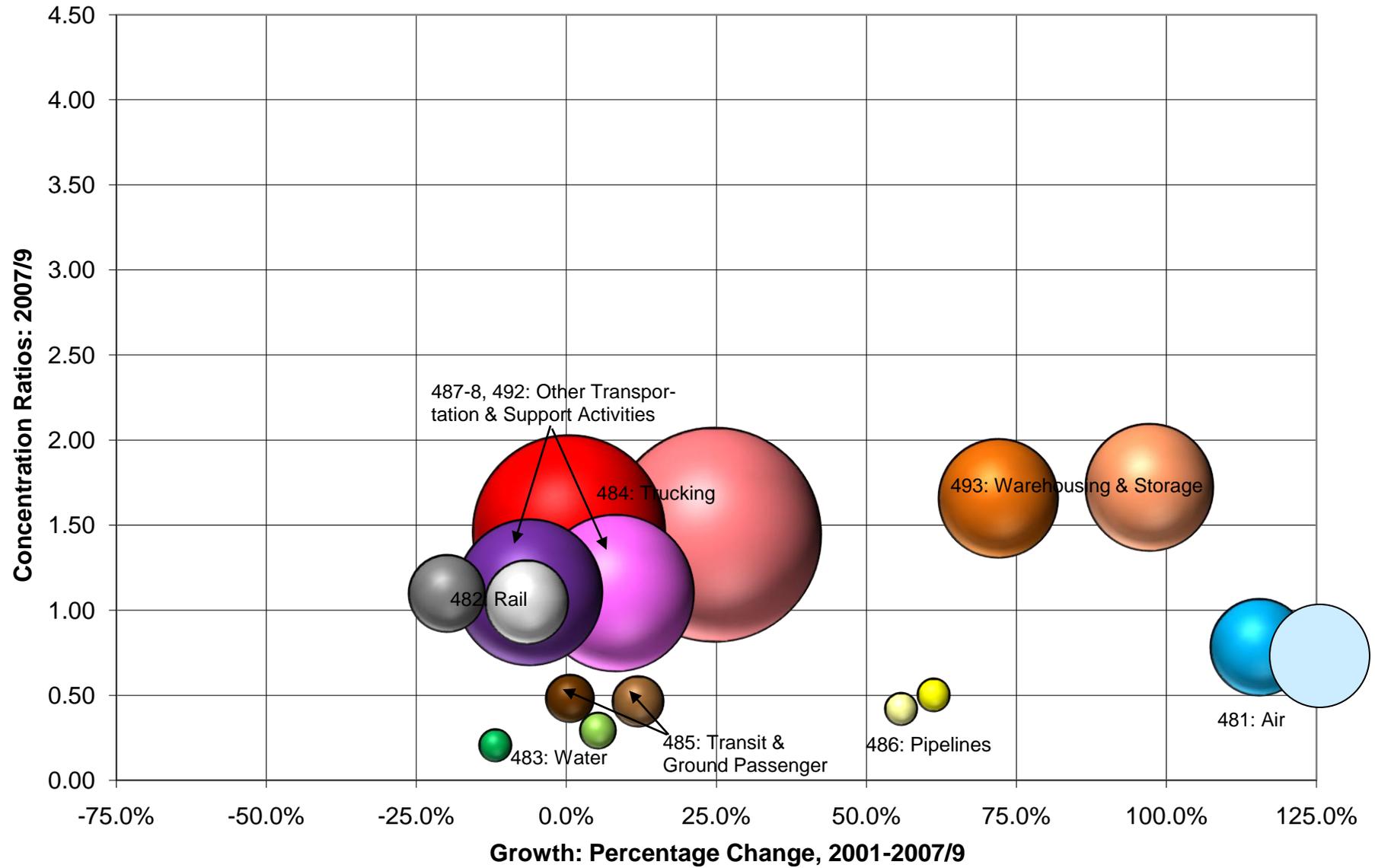
The chart above illustrates the contrasting stories of non-manufacturing goods production in Ohio. At one end, both farm production (green) and support activities for mining⁵ (gray) experienced net growth from 2001 through 2007 – and continued growing through 2009. At the other end, construction activity (red) has fallen without interruption. In between, forestry-fishing-hunting output (also green) grew out of the 2001 recession but shrank after 2007, and mining (light brown and light blue) output was lower in 2007 than in 2001 but rebounded somewhat by 2009 (dark brown and dark blue). Caution is warranted, though, when interpreting the chart. Data in appendix table A5 illustrate the year-to-year volatility of these industries (except construction), most of which may or may not move in sync with the economy as a whole. It also is evident when comparing appendix tables A5 and A9 that the year-to-year changes in these industries in Ohio typically are part of what has been happening in the nation as a whole.

The chart above also shows that none of the non-manufacturing goods-producing sectors or major industries is concentrated in Ohio. However, data from other sources indicate specific exceptions: in 2009, Ohio was the 8th-ranked source for corn and 7th-ranked source for soy beans with 4.2 and 6.6 percent, respectively, of national production (U.S. Bureau of the Census, 2010: tables 853 & 854).⁶

Initial figures for 2010 indicate continuing growth in the agricultural sector (farms and forestry-fishing-hunting combined) in Ohio and across the country. However, mining output in Ohio decreased while rising a bit for the nation. Construction activity fell again.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Transportation & Warehousing (exc. Postal Service)



Source: U.S. BEA

SERVICES: TRANSPORTATION AND WAREHOUSING

Except for pipeline transportation (yellow), the chart above indicates that the recession of 2008-2009 affected all of the major transportation industries regardless of how much they grew coming out of the 2001 recession. (Data from appendix table A5 show that pipeline transportation contracted significantly between 2008 and 2009.) Trucking (red), the largest major industry, gave up all of the growth from 2001. Services provided with other-transportation-and-support activities⁷ (purple) fell to a level below that of 2001, while air transportation (blue) retreated from its off-scale high growth – although the net gain from 2001-2009 remains impressive. On the other hand, the net changes from 2001 to 2007 for the smaller industries – water (green), transit and ground passenger (brown), and to some extent rail (gray) – hide the volatility of year-to-year changes.

Year-to-year changes in transportation services in Ohio are, for the most part, reflective of what happened across the country. This is particularly true of the larger industries: truck and air transportation as well as other-transportation-and-support activities. To a lesser extent, it also is true of rail transportation, and it characterizes transit and ground passenger services more often than not. Changes in pipeline and water transportation services in Ohio and are roughly correlated with those of the nation. The real difference between Ohio and the nation is that pipeline transportation has grown here but fluctuated nationwide, while the converse is true for water transportation.

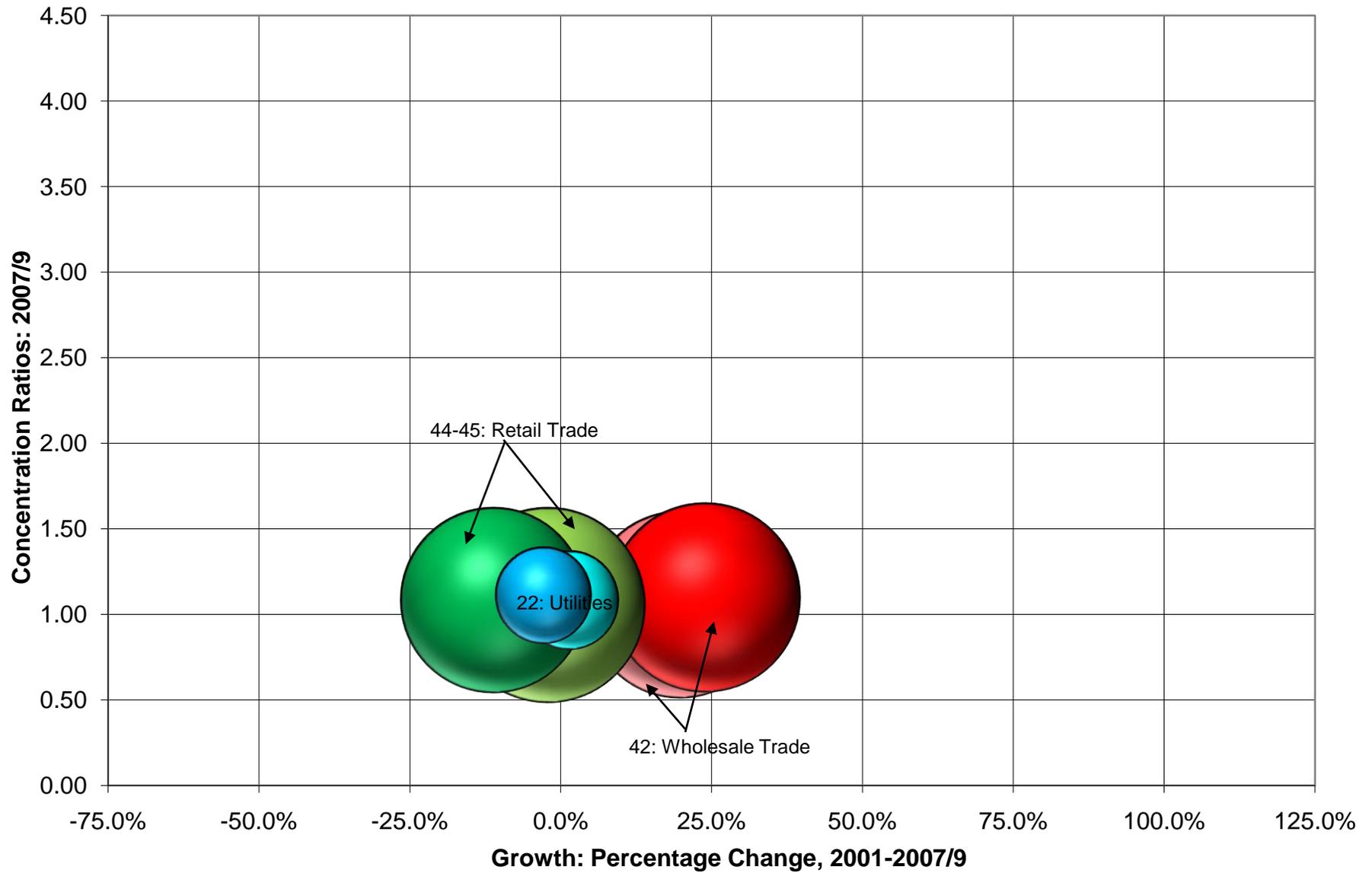
Transportation services in Ohio range from notably-concentrated to sparse. The chart above shows that trucking is concentrated here. County Business Patterns data specify general freight trucking (NAICS 4841) as the concentrated group. Rail service is roughly proportional with the nation. Other major transportation industries – air, water, transit-and-ground, and pipelines – are more or less sparse, as are the corresponding support service (classified in 487, 488 and 492). However, County Business Patterns data point to three groups that are exceptions: non-scheduled air transportation (air-charter and air-taxi services – 4812), rail transportation support (4882), and the pipeline transport of crude oil (4861) (U.S. Bureau of the Census, 2011a).

Warehousing and storage activity (orange) is concentrated in Ohio, and services nearly doubled from 2001 through 2007 before contracting by 2009. The growth of corresponding services in the nation as a whole was above average, but not as rapid as here.

Initial transportation and warehousing sector data for 2010 show stagnation in Ohio with little growth across the country.

See Tables A2, A3, A5, A7, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Utilities, Wholesale & Retail Trades



Source: U.S. BEA

SERVICES: UTILITIES, WHOLESALE AND RETAIL TRADE

The chart above shows wholesale trade activity in Ohio (red) growing from 2001-2007, and then continuing to grow from 2007 through 2009. Data in appendix table A5 show more or less constant growth from one year to the next. The same is true for the nation as a whole, except for 2008 – see appendix table A9. Moreover, the growth has been such that activity has become slightly concentrated in Ohio. County Business Patterns industry group data show interesting variations within the sector: wholesalers distributing products of manufacturing industries concentrated in Ohio also tend to have employment concentrated here – perhaps as a carry-over effect. Wholesale jobs concentrated here include those dealing in motor vehicles, parts and tires (NAICS 4231), metals and minerals (except petroleum) (4235), hardware, plumbing and heating equipment (4237), machinery and equipment (4238), and chemicals and plastics (4246). The sparse employment among electrical equipment wholesalers (4236) is an exception to this tendency (U.S. Bureau of the Census, 2011a).

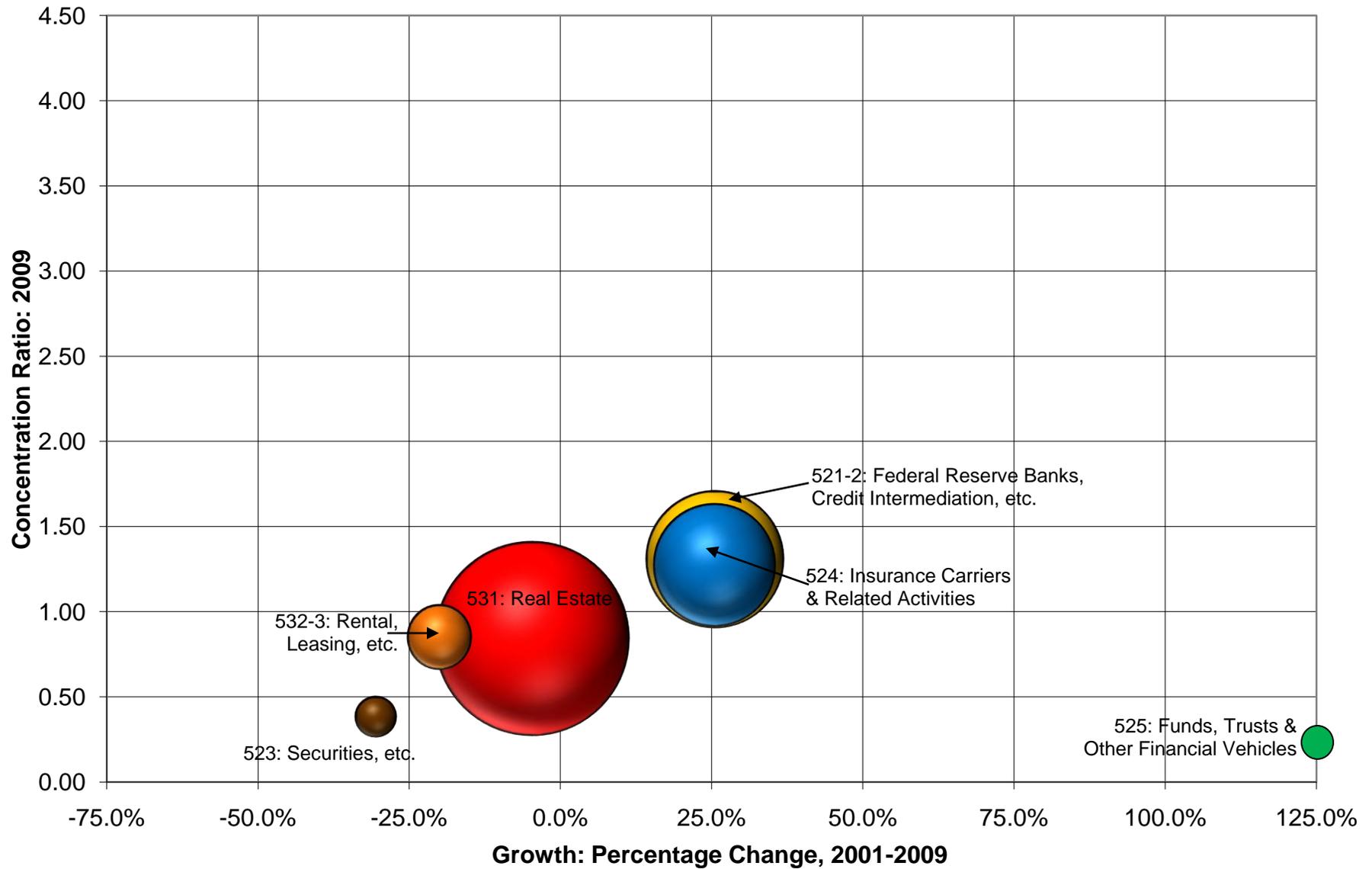
The growth of wholesale activity contrasts with the experience of retailers (green) in Ohio. While retail trade grew after the 2001 recession, it gradually declined from 2003 through 2007 before dropping thereafter. National retail growth continued through 2007; the drop thereafter is essentially proportional with that in Ohio. Overall retail activity in Ohio is close to proportional with the nation as a whole. Groups more or less concentrated here are other general merchandise stores (4529), florists (4531), used merchandise stores (4533), on-line and mail order shopping (4541), and vending machine operators (4542) (U.S. Bureau of the Census, 2011a).

Utility services (blue) appear to have declined with the recession, but year-to-year change data in appendix table A5 convey no trends consistent with general economic expansion and contraction. The same is true for the nation as a whole. The overall provision of utility services is faintly concentrated in Ohio. County Business Patterns data reveal the vast majority of sector jobs are in electric power generation, transmission, and distribution (2211), and those jobs are modestly concentrated here (U.S. Bureau of the Census, 2011a). Similarly, electricity production in Ohio during 2008 was 3.72 percent of national output (U.S. Bureau of the Census, 2010: table 943) while Ohio's portion of GDP that year was 3.30 percent. Natural gas distribution (2212) jobs in Ohio are proportional with those across the country, while water and sewage jobs (2213) are relatively sparse here (U.S. Bureau of the Census, 2011a).

Initial figures for 2010 indicate continued growth in wholesale trade and recoveries in retail trade and utility services – both in Ohio and for the nation as a whole.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Finance, Insurance, Real Estate, Rental, & Leasing



Sources: U.S. BEA

SERVICES: FINANCE, INSURANCE, REAL ESTATE, RENTAL AND LEASING

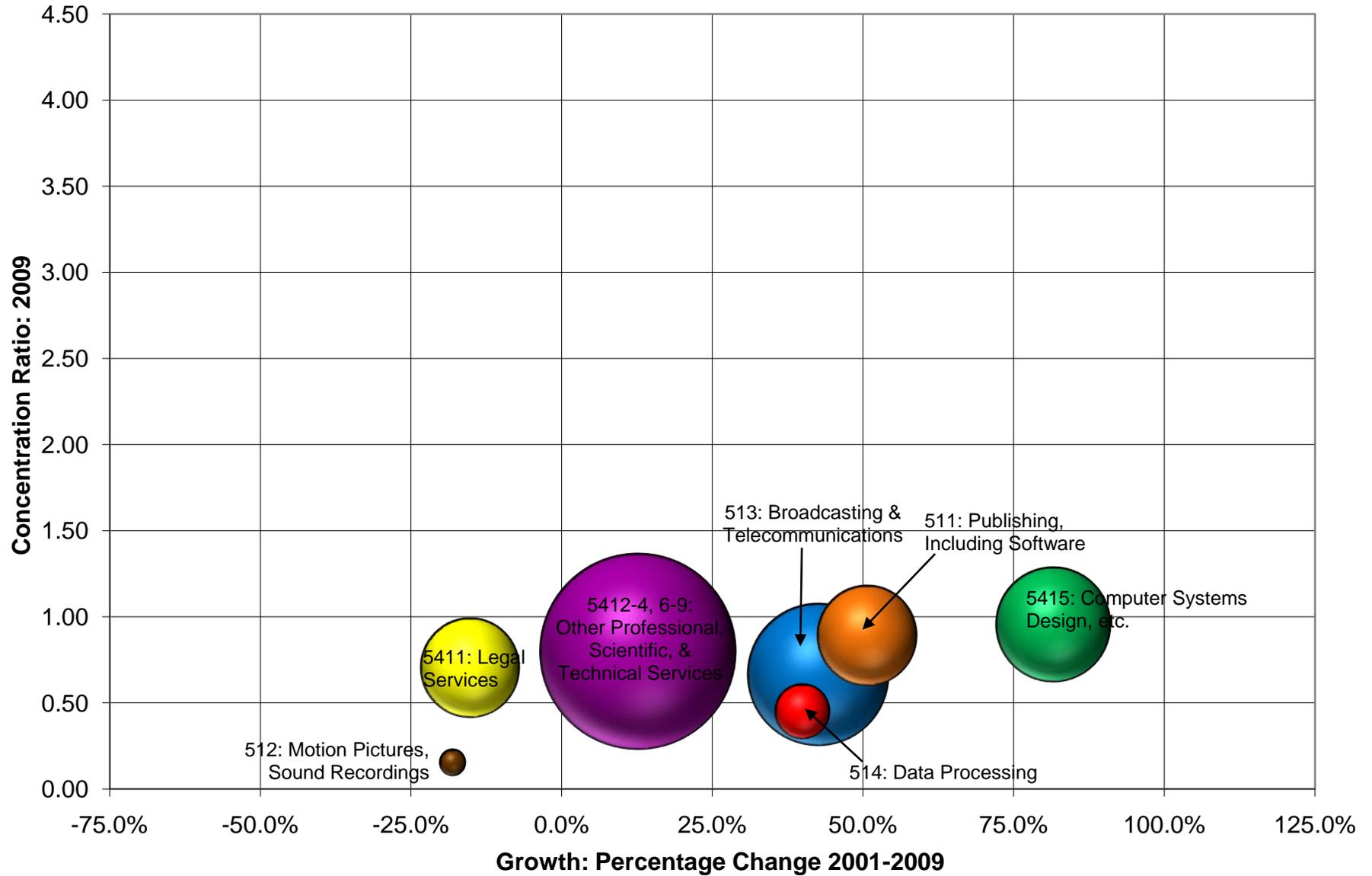
The chart above shows the net changes only for 2001-2009 because data in appendix table A5 indicate activity in Ohio was unaffected by the recession. The off-scale-high growth in funds, trusts and other financial vehicles (green) accelerated from 2003 and has continued unabated. Banking and insurance activities (yellow and blue, respectively) have trended higher at nearly identical rates, but not without interruptions. Real estate (red), although down slightly from 2001, has improved a bit since 2006. (Real estate is the single largest major industry in Ohio, but the large GDP number is much more indicative of the role of mortgages in the economy than the activity of real estate offices.⁸) Securities and rental/leasing services (brown and orange, respectively) have both have declined since 2001 with only occasional interruptions. Finance and insurance trends in Ohio have been parts of the corresponding national trends, while those in real estate, rental and leasing have diverged.

The chart also illustrates the concentration of banking and insurance activities in Ohio. County Business Patterns data point to the presence of the Federal Reserve (NAICS 5211) and insurance carriers (5241) – those businesses actually writing the policies and assuming the risks – as the ones concentrated here. Depository and non-depository financial activities (522) as well as those of insurance agencies (5242) are more or less proportional with the nation. With the exception of general rental centers (5323), real estate/rental/leasing services are not concentrated here (U.S. Bureau of the Census, 2011a).

Initial figures for 2010 indicate little change from 2009 outside of the national growth in financial and insurance.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Information, Professional & Technical Services



Source: U.S. BEA

SERVICES: INFORMATION AND PROFESSIONAL-AND-TECHNICAL

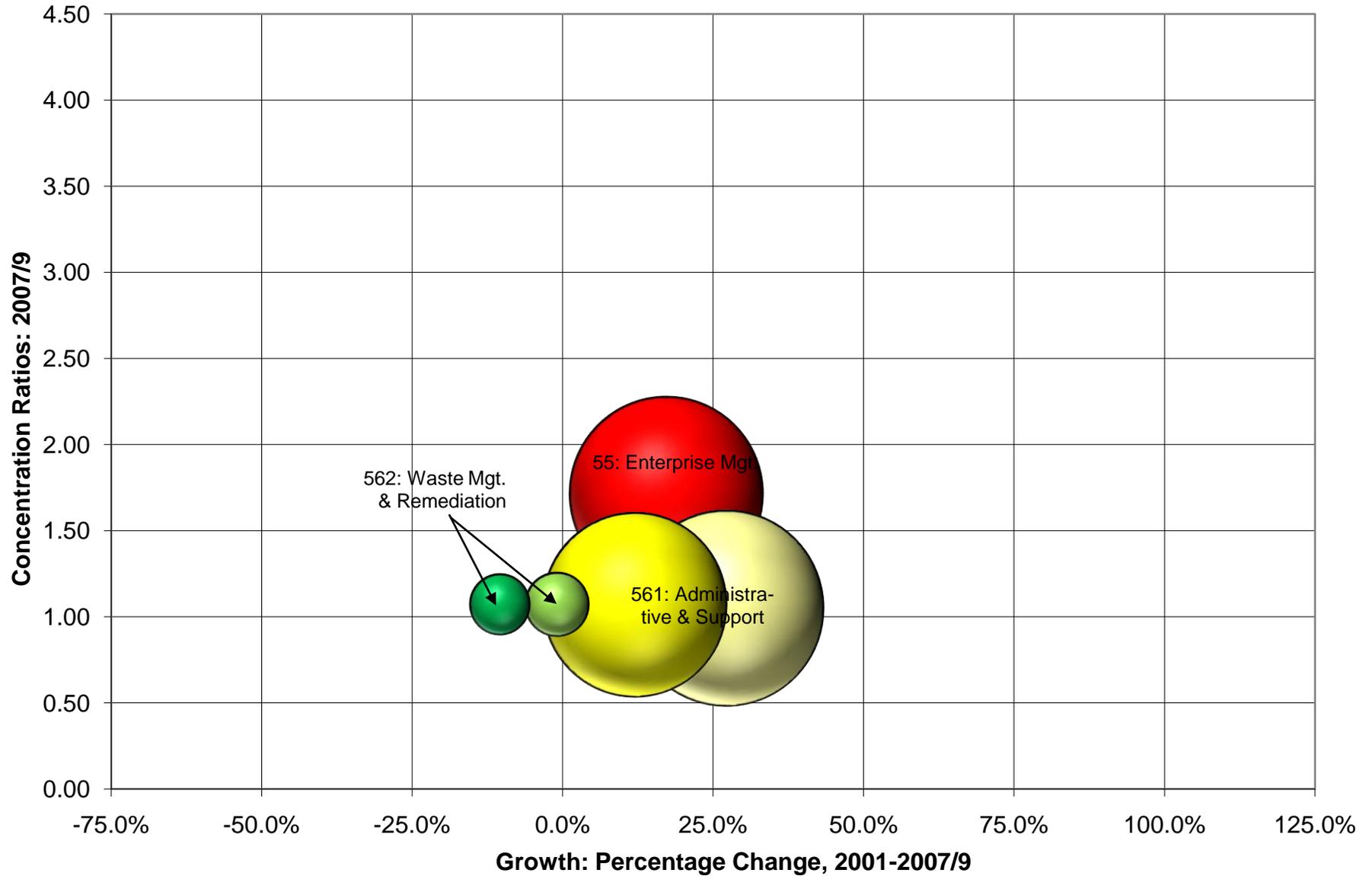
The chart above shows the net changes only for 2001-2009 because data in appendix table A5 indicate little effect by the recession. In fact, most experienced faster-than-average net growth. Services provided by computer systems design (green) and broadcasting/telecommunications (blue) grew continuously. While the net growth of publishing (including software – orange), information/data processing (red) and other professional, scientific and technical services (purple) was interrupted, none of the interruptions coincided with the recession in 2008. On the other hand, legal services (yellow) and motion picture/sound recording (brown) have declined with only the occasional uptick. Changes in professional and technical service (NAICS 54) activity in Ohio were part and parcel of what was happening in the country as a whole. The same may be said of information services (51), except for motion pictures and sound recording (512).

Most activities in the information and professional-and-technical service sectors are more or less sparse in Ohio. Four exceptions that are proportional include newspapers-periodicals-books-databases (5111), other information services (news syndicates, libraries, archives, and internet publishing-broadcasting-web search portals, etc. – 5191), specialized design services (industrial, graphic, interior, fashion, etc. – 5414), and other professional-and-technical services (marketing, photography, translations, veterinary, etc. – 5419) (Office of Management and Budget, 2007; U.S. Bureau of the Census, 2011a).⁹

Initial figures for 2010 show more robust growth in the information sector and more modest growth in professional-and-technical services – similar to the nation in both instances.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration, & Size: Enterprise Mgt., Administrative & Support, Waste Mgt. & Remediation



Source: U.S. BEA

SERVICES: ENTERPRISE MANAGEMENT, ADMINISTRATIVE-SUPPORT, AND WASTE MANAGEMENT-REMEDICATION

The chart above illustrates the different experiences of two similar sectors. Enterprise management (red, NAICS 55) consists of holding companies and corporate offices for company, regional and subsidiary management. It has been a fairly steady growth industry concentrated in Ohio, one little affected by recessions. This concentration undoubtedly includes the relatively large number – 67 – of the Fortune U.S.-1,000 companies headquartered in Ohio, as well as the subsidiary and regional offices of those and other companies (Fortune, 2011). The initial figure for 2010 indicates growth from 2009, continuing a trend in outstripping the national industry.

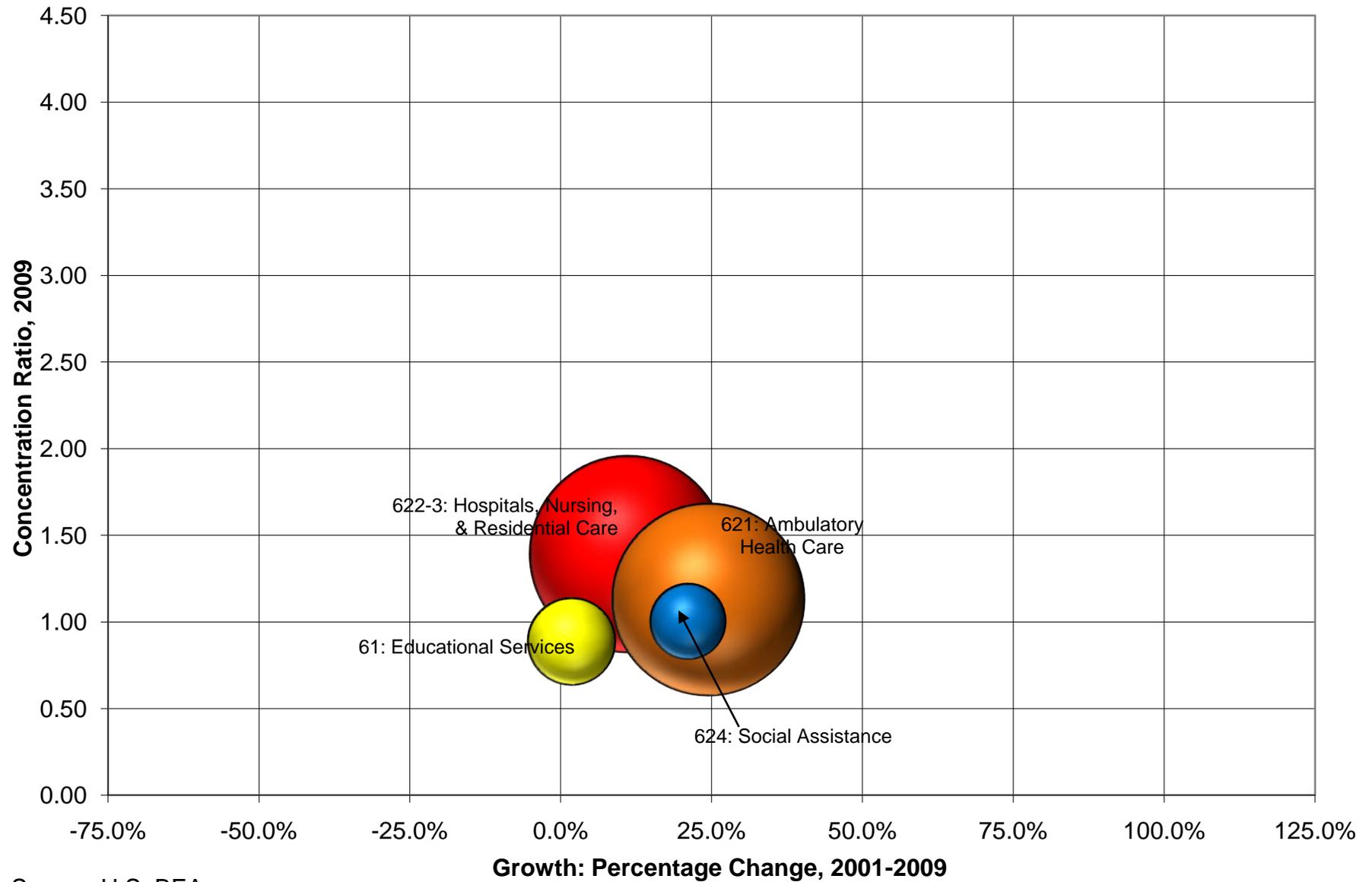
Administrative-support (yellow, 561) establishments specialize in providing out-sourced services to businesses. Activities include document preparation, mailing, bookkeeping, collections and repossessions, and the functions of call center, logistical, personnel, janitorial and clerical staff – among others. The chart above shows that administrative-support services expanded at a faster-than-average rate, but in 2009 gave up about one-half of the net growth from 2001-7. This pattern of growth and contraction is similar to what happened in the industry for most of the country. Overall, the role of this major industry in Ohio's economy is proportional with that of the nation. County Business Patterns data point to one group concentrated here: other support services (packaging-labeling, conventions-trade shows, lumber grading, inventory-taking, etc. – 5619) (U.S. Bureau of the Census, 2011a).

Waste management-remediation services (green-562) include collecting, treating, incinerating or otherwise disposing waste materials (except sewage, which is classified as a utility service). They also include recovering recyclables and operating landfills. As in the country as a whole, services peaked in mid-decade and have since contracted to a level lower below that of 2001. County Business Patterns data show a concentration in waste treatment and disposal (5622) (U.S. Bureau of the Census, 2011a). This concentration may be, in part, a consequence of manufacturing's concentration in Ohio. This is consistent with the fact that 5.8 percent of toxic chemical releases in the country during 2008 originated in Ohio (U.S. Bureau of the Census, 2010: table 379).

The initial administrative-support and waste management-remediation figure for 2010 indicates growth in the sector from 2009, both here and across the nation.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration & Size: Health Care, Social Assistance, & Education



Source: U.S. BEA

SERVICES: HEALTH CARE, SOCIAL ASSISTANCE, AND EDUCATION

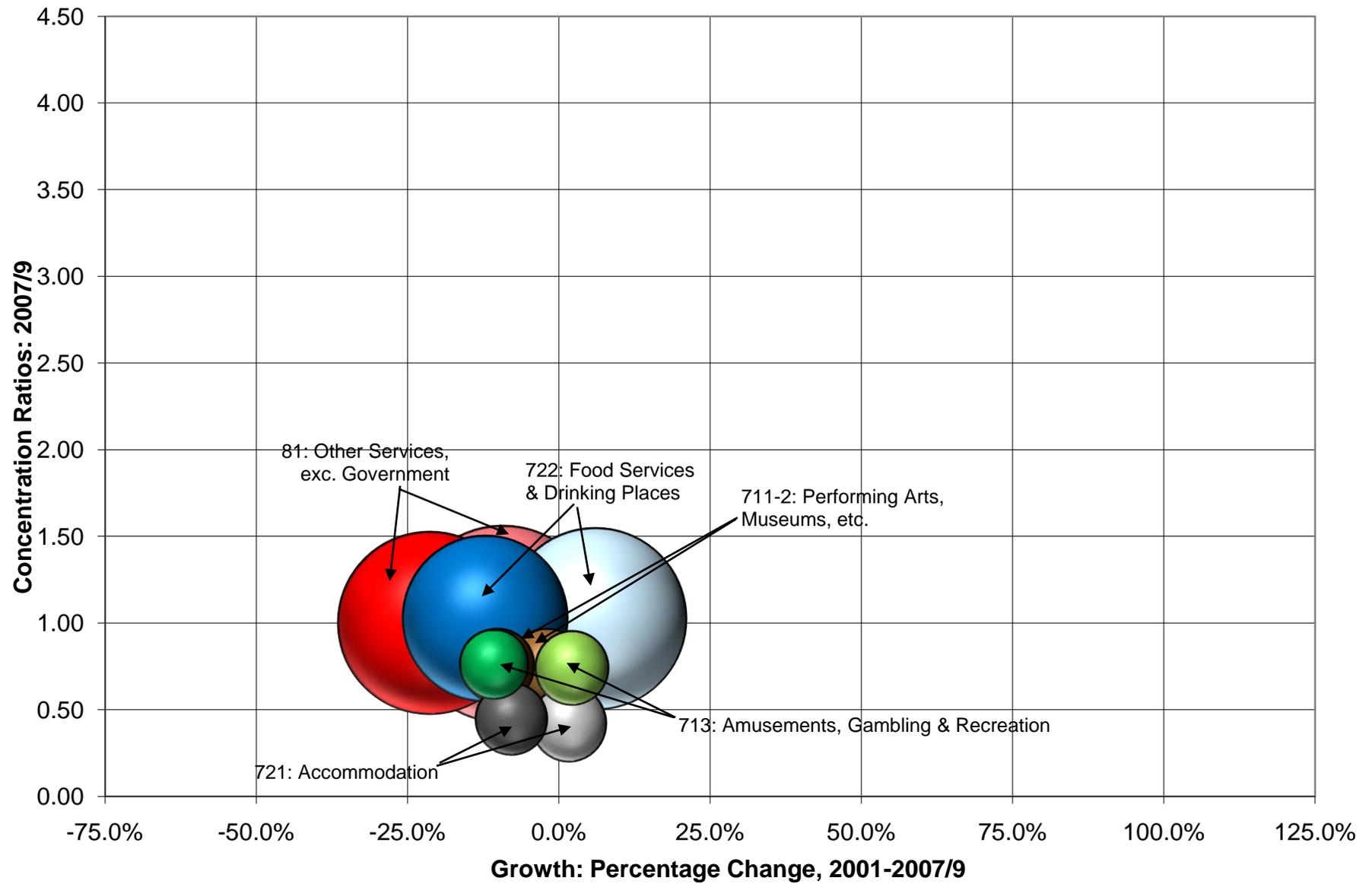
The chart above shows the net changes only for 2001-2009 because data in appendix table A5 indicate little or no effect by the recession. In fact, growth in all of the major industries except educational services has been fairly steady at a faster-than-average rate. Ambulatory health care (orange, NAICS 621) has grown faster than services provided by hospitals, nursing and residential care facilities (red, 622 and 623 combined), while growth in social assistance (blue, 624) has been intermediate. Educational services (yellow, 61) have fluctuated a bit, but shown no discernable trend. The same may be said for the country as a whole, except that educational services have grown modestly.

The overall health care and social assistance sector is somewhat concentrated in Ohio. Hospitals, nursing and residential care facilities are more concentrated than ambulatory health care; social assistance is proportional. County Business Patterns data point to general hospitals (6221) and nursing and community care facilities for the elderly (6231 and 6233) as the service groups concentrated here. Home and other ambulatory health care services (6216 and 6219) also are slightly concentrated here. A concentration in vocational rehabilitation (6243) is the exception in social assistance. Educational services are not concentrated in Ohio, and County Business Patterns data show no exceptions (U.S. Bureau of the Census, 2011a).

Initial figures for 2010 show an increase from 2009 in health care and social assistance activity in Ohio with virtually no change in educational services.

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration & Size: Various Other Private Sector Services



Source: U.S. BEA

VARIOUS OTHER PRIVATE SECTOR SERVICES

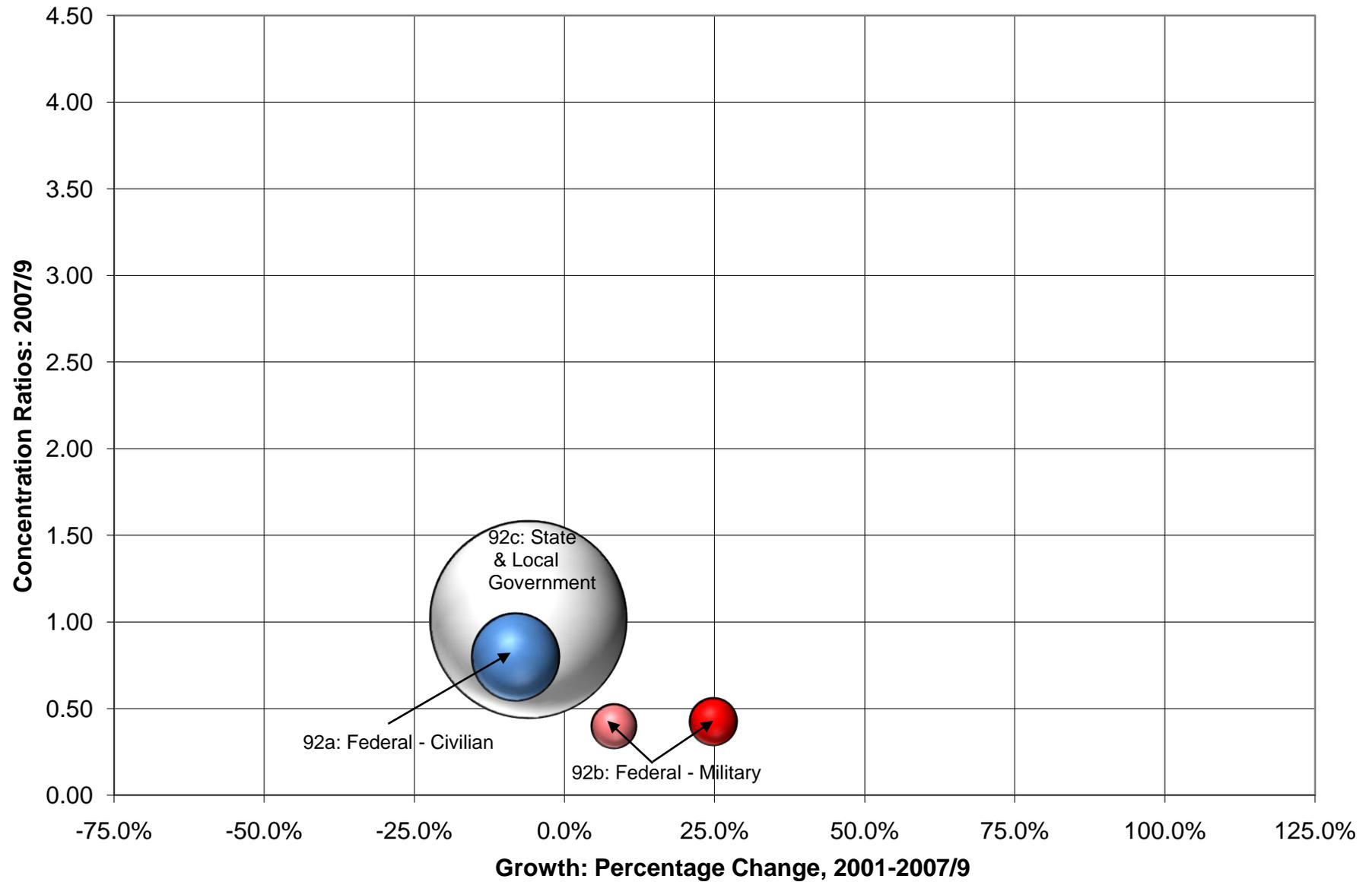
The chart above shows that all of the remaining private sector services in Ohio have felt the effects of the 2008-9 recession. Some industries – food and drinking places (blue, NAICS 722) and amusements-gambling-recreation (green, 713) – provided a greater volume of services in 2007 than in 2001, but lost whatever growth they had in the following two years. Other industries – accommodations (gray, 721) and performing arts, museums, etc. (brown, 711-2) – had fluctuated with no discernable trend before contracting in the recession. Other non-governmental services (red, 81) just continued to slide. For the country as a whole, these same services had grown from 2001 through 2007 before contracting at comparable rates thereafter.

None of these services is concentrated in Ohio. Establishments providing accommodations, amusements, gambling, recreation, or arts-related activities are relatively sparse, while those serving food and drink providing other non-governmental services are, overall, proportional with those throughout the country. County Business Patterns data point to a few exceptions where services may be somewhat concentrated: museums, historical sites and the like (7121), rooming and boarding houses (7213), limited service eating places (7222), commercial equipment repair and maintenance (8113 – motor vehicle and electrical equipment repair are classified elsewhere), personal care such as hair, nails, or dieting (8121), funeral homes and cemeteries (8122), and civic and social organizations (8134) (U.S. Bureau of the Census, 2011a).

Initial figures for 2010 indicate growth or expansion of services from the levels of 2009 in all three sectors here and for the nation as a whole: arts-entertainment-recreation (71), accommodation and food services (72), and other non-governmental services (81).

See Tables A2, A5, A9, A11-A14, A16

Ohio GDP: Growth, Concentration & Size: Government by Type



Source: U.S. BEA

FEDERAL, STATE, AND LOCAL GOVERNMENT

Taken together, the services provided by federal, state and local government agencies verge on the sparse side in Ohio. However, the graph above illustrates the differences between the three parts of the sector. The vast majority of services provided by government agencies here are accomplished by state and local agencies (white). A concentration ratio close to 1.00 means that services provided by the state and local governments here collectively are in the middle of the range of those provided in other states. After adjusting for inflation, data in appendix table A5 show state and local government services have been slightly reduced since 2002. The effect of the 2008-9 recession is not readily apparent.

By contrast, the civilian (blue) part of the federal government – including the Postal Service (Downey and Aman, 2006) – plays a relatively small role in the state’s economy. The inflation-adjusted data in appendix table A5 show a gradual but steady reduction in services at a rate comparable with state and local government – and unaffected by the recession.

The military’s role (red) is even smaller, despite the presence of facilities such as the Defense Supply Center (Columbus), Wright-Patterson Air Force Base (Dayton), and two Defense Finance and Accounting Service centers (Cleveland and Columbus). Data from other sources are consistent with GDP figures; in 2008, 1.98 percent of the value of Defense Department contracts went to firms in Ohio, 2.21 percent of the Defense Department’s payroll went to Ohio (certain benefits are excluded), and in 2009 civilian and military personnel numbered 33,262 – 1.85 percent of total Defense employment (U.S. Bureau of the Census, 2010: tables 504 and 506). Although it fluctuated earlier in the decade, the role trend has been toward expansion, especially in the last two years.

The initial figures for 2010 indicate continued reduction of government services in Ohio but continued expansion for the nation as a whole.

See Tables A2, A5, A9, A11-A14, A16

Gross Domestic Products for Metropolitan Areas in Ohio, 2001-2009
(in millions chained dollars - except percentages - and standardized on 2005)

Areas	2001	2002	2003	2004	2005	2006	2007	Change: '01-'07	
								Amount	Percent
U.S.	\$11,364,200	\$11,560,300	\$11,807,800	\$12,212,600	\$12,554,500	\$12,895,900	\$13,143,700	\$1,779,500	15.7%
Ohio	\$420,384	\$429,748	\$433,973	\$442,320	\$444,715	\$440,704	\$442,603	\$22,219	5.3%
Akron, OH	\$23,056	\$23,888	\$24,313	\$24,997	\$25,432	\$25,327	\$25,587	\$2,531	11.0%
Canton-Massillon, OH	\$12,306	\$12,433	\$12,411	\$12,447	\$12,587	\$12,099	\$12,062	-\$244	-2.0%
Cincinnati-Middletown, OH-KY-IN	\$85,871	\$87,483	\$88,702	\$90,011	\$91,232	\$90,365	\$91,723	\$5,852	6.8%
Cleveland-Elyria-Mentor, OH	\$94,034	\$94,966	\$96,612	\$98,765	\$98,472	\$97,102	\$97,738	\$3,704	3.9%
Columbus, OH	\$78,052	\$80,261	\$80,656	\$82,256	\$83,374	\$83,438	\$84,964	\$6,912	8.9%
Dayton, OH	\$31,074	\$31,660	\$31,730	\$32,174	\$32,401	\$32,328	\$32,017	\$943	3.0%
Huntington-Ashland, WV-KY-OH	\$7,880	\$8,161	\$8,210	\$8,468	\$8,460	\$8,471	\$8,517	\$637	8.1%
Lima, OH	\$4,014	\$4,094	\$4,077	\$4,169	\$4,246	\$4,192	\$4,105	\$91	2.3%
Mansfield, OH	\$3,575	\$3,752	\$3,780	\$3,917	\$3,946	\$3,906	\$3,752	\$177	5.0%
Parkersburg-Marietta-Vienna, WV-OH	\$4,876	\$4,952	\$4,852	\$4,917	\$4,813	\$4,975	\$5,004	\$128	2.6%
Sandusky, OH	\$2,872	\$2,919	\$3,002	\$3,069	\$3,057	\$3,009	\$2,824	-\$48	-1.7%
Springfield, OH	\$3,612	\$3,522	\$3,372	\$3,422	\$3,403	\$3,464	\$3,399	-\$213	-5.9%
Steubenville-Weirton, OH-WV	\$3,354	\$3,622	\$3,482	\$3,423	\$3,433	\$3,117	\$3,178	-\$176	-5.2%
Toledo, OH	\$24,363	\$25,071	\$25,453	\$25,589	\$25,539	\$25,249	\$25,054	\$691	2.8%
Wheeling, WV-OH	\$4,066	\$4,159	\$4,268	\$4,346	\$4,335	\$4,315	\$4,309	\$243	6.0%
Youngstown-Warren-Boardman, OH-PA	\$16,380	\$16,841	\$16,776	\$16,863	\$16,961	\$16,641	\$16,285	-\$95	-0.6%

Areas	2007	2008	2009	Change: '07-'09		Net Change: '01-'09	
				Amount	Percent	Amount	Percent
U.S.	\$13,143,700	\$13,100,000	\$12,773,900	-\$369,800	-2.8%	\$1,409,700	12.4%
Ohio	\$442,603	\$435,704	\$417,303	-\$25,300	-5.7%	-\$3,081	-0.7%
Akron, OH	\$25,587	\$25,428	\$24,249	-\$1,338	-5.2%	\$1,193	5.2%
Canton-Massillon, OH	\$12,062	\$12,025	\$11,373	-\$689	-5.7%	-\$933	-7.6%
Cincinnati-Middletown, OH-KY-IN	\$91,723	\$91,226	\$88,677	-\$3,046	-3.3%	\$2,806	3.3%
Cleveland-Elyria-Mentor, OH	\$97,738	\$96,731	\$92,868	-\$4,870	-5.0%	-\$1,166	-1.2%
Columbus, OH	\$84,964	\$83,807	\$82,818	-\$2,146	-2.5%	\$4,766	6.1%
Dayton, OH	\$32,017	\$31,354	\$29,836	-\$2,181	-6.8%	-\$1,238	-4.0%
Huntington-Ashland, WV-KY-OH	\$8,517	\$8,878	\$9,416	\$899	10.6%	\$1,536	19.5%
Lima, OH	\$4,105	\$3,783	\$3,670	-\$435	-10.6%	-\$344	-8.6%
Mansfield, OH	\$3,752	\$3,721	\$3,398	-\$354	-9.4%	-\$177	-5.0%
Parkersburg-Marietta-Vienna, WV-OH	\$5,004	\$5,015	\$4,939	-\$65	-1.3%	\$63	1.3%
Sandusky, OH	\$2,824	\$2,709	\$2,554	-\$270	-9.6%	-\$318	-11.1%
Springfield, OH	\$3,399	\$3,372	\$3,259	-\$140	-4.1%	-\$353	-9.8%
Steubenville-Weirton, OH-WV	\$3,178	\$3,378	\$3,232	\$54	1.7%	-\$122	-3.6%
Toledo, OH	\$25,054	\$24,346	\$22,939	-\$2,115	-8.4%	-\$1,424	-5.8%
Wheeling, WV-OH	\$4,309	\$4,442	\$4,453	\$144	3.3%	\$387	9.5%
Youngstown-Warren-Boardman, OH-PA	\$16,285	\$15,583	\$14,660	-\$1,625	-10.0%	-\$1,720	-10.5%

Source: U.S. BEA (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, ext. 2116, or 614/466-2116 (DL, 6/11).

GROWTH AND THE RECESSION IN METROPOLITAN AREAS

The table above displays changes in economic output from metropolitan areas wholly or partially in Ohio. The figures have been standardized on 2005, thereby removing the effects of inflation. Figures for Ohio and the nation are included for comparison.

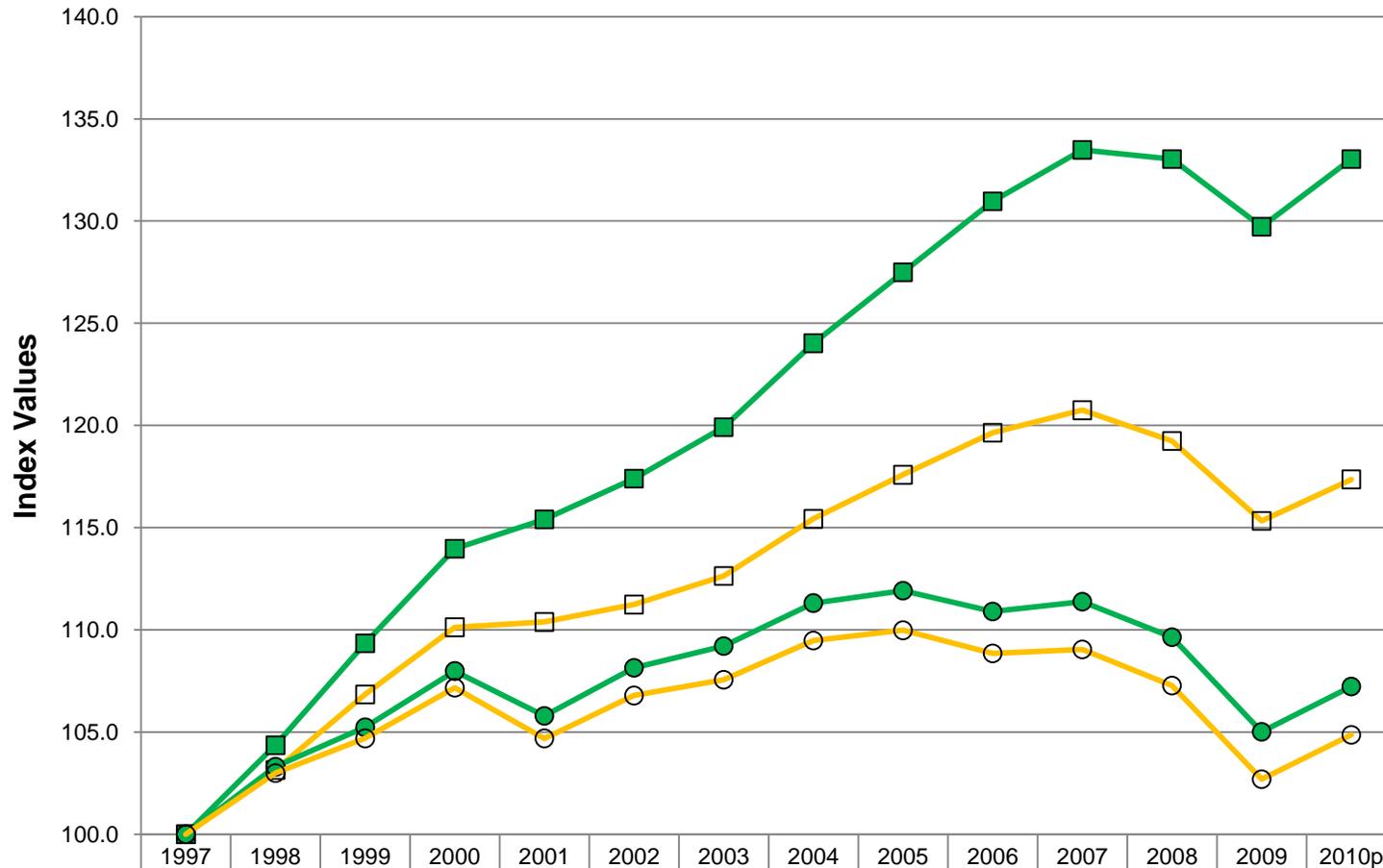
Real net growth from 2001 to 2007 is evident in 11 of the 16 metropolitan areas: Akron, Cincinnati, Cleveland, Columbus, Dayton, Huntington, Lima, Mansfield, Parkersburg, Toledo and Wheeling. However, these numbers may be less impressive than they seem for two reasons. First, Huntington, Parkersburg and Wheeling are more out-of-state than in-state. Second, some of the metropolitan areas peaked earlier; their output was less by 2007, but still greater than 2001.

The greatest growth in absolute terms occurred in two of the three largest metropolitan areas: Columbus with \$6.9 billion and Cincinnati (including the portions in Kentucky and Indiana) with \$5.85 billion. Despite the portions in Kentucky and Indiana, it is probably safe to say that the combined growth of these two accounts for about one-half the economic growth in Ohio from 2001 through 2007. Adding the net growth of Akron and Cleveland-Elyria-Mentor – almost \$8.4 billion – brings the portion to about 85 percent.

The role of Cincinnati, Cleveland and Columbus in Ohio's economy also accounts for a significant degree for the state's overall growth rate. Their range of rates – from 3.9 to 8.9 percent – encompasses the state's overall rate of 5.3 percent. However, the fastest growth rate appeared in Akron – 11.0 percent. It should be noted, though, that none of the metropolitan areas in Ohio even approached the growth rate of the national economy: 15.7 percent.

The impact of the recession also is evident. The table above shows that the American economy contracted 2.8 percent from 2007 through 2009, and output originating in Ohio fell 5.7 percent. The fact that output fell in 13 of the 16 metropolitan areas indicates that the impact of the recession was widespread. (The situation was even worse than those statistics indicate. Of the three areas that had net growth in 2007-9, two – Huntington and Wheeling – were substantially outside of the state, and the third – Steubenville – grew a mere 1.7 percent.) Many of the areas hit the hardest are areas in which manufacturing is a more significant part of the economy. These include Canton, Lima, Mansfield, Sandusky, Toledo and Youngstown.

Inflation-Adjusted Changes in Total and per Capita GDP, 1997-2010 Ohio and the U.S. 1997=100



■ Absolute U.S. GDP	100.0	104.4	109.3	114.0	115.4	117.4	119.9	124.0	127.5	131.0	133.5	133.0	129.7	133.0
□ Per Capita U.S. GDP	100.0	103.1	106.8	110.1	110.4	111.2	112.6	115.4	117.6	119.6	120.7	119.2	115.3	117.4
● Absolute Ohio GDP	100.0	103.3	105.2	108.0	105.8	108.1	109.2	111.3	111.9	110.9	111.4	109.6	105.0	107.2
○ Per Capita Ohio GDP	100.0	103.0	104.7	107.2	104.7	106.8	107.6	109.5	110.0	108.8	109.0	107.3	102.7	104.9

Sources: U.S. BEA, Census Bureau

Note: P - preliminary

PAST CHANGES AND FORECASTS FOR THE FUTURE: FOUR PARTS

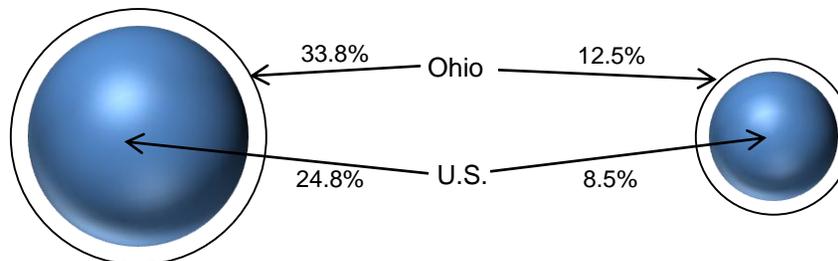
The chart above shows that, after adjusting for inflation, Ohio's economy grew 11.4 percent from 1997 through 2007. The corresponding growth of the U.S. economy was 33.5 percent. The chart also shows that the recession of 2008-9 hit Ohio relatively harder than the nation as a whole. Output of goods and services here fell by 5.7 percent as the index value dropped from 111.4 to 105.0, while national output fell 2.8 percent from 133.5 to 129.7.¹⁰ Initial figures for 2010 suggest that the national recovery is slightly ahead of Ohio with an expansion rate of 2.5 vs. 2.1 percent. Still output from Ohio remains below the levels of 2005 and 2007, while national output appears to be nearly back to the level of 2007.¹¹

Yet these numbers do not tell the whole story. A number of factors may be associated with the greater growth of the U.S. economy compared with Ohio's. One is population growth. The Census Bureau estimates that the U.S. population grew 10.5 percent from 1997 through 2007, far larger than Ohio's increase of 2.1 percent (U.S. Bureau of the Census, 2011b). The chart on page 50 illustrates the change of perspective after population growth has been factored-in. Per capita GDP from Ohio rose a net 9.0 percent from 1997 through 2007, modestly less than the 11.4 percent for the state's total output. By comparison, per capita GDP for the nation rose 20.7 percent during the same time. This is still notably greater than Ohio, but substantially less than the 33.5 percent increase in total output. The incorporation of population growth also means the impact of the recession has been deeper than indicated by absolute figures alone. Per capita GDP from Ohio fell 5.8 percent – faintly more than the 5.7 percent for its output. Similarly, per capita GDP for the nation declined almost 4.5 percent, substantially more than the 2.8 percent characterizing total output. Furthermore, the growing population means that, even with economic expansion in 2010, per capita GDP remains well below that level of 2007 here and for the nation as a whole.

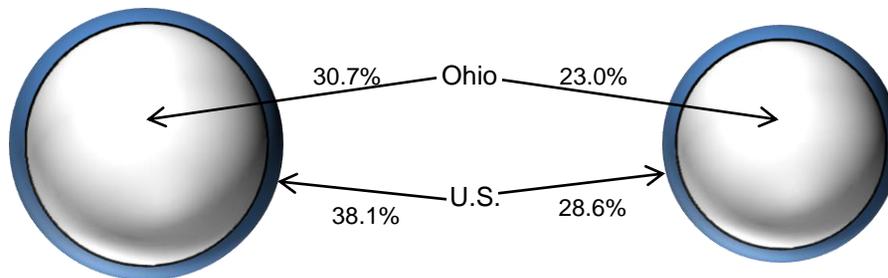
See Table A17

Comparing Relative Portions of Ohio's Economy with the U.S. by Concentration (1997) and Growth (1997-2007)

Industries More or Less Concentrated in Ohio



Industries More or Less Sparse in Ohio



Slower Growth or Contracting Industries:
Ohio - 64.5%
U.S. - 62.9%

More or Less Rapidly Growing Industries:
Ohio - 35.5%
U.S. - 37.1%

Source: U.S. BEA

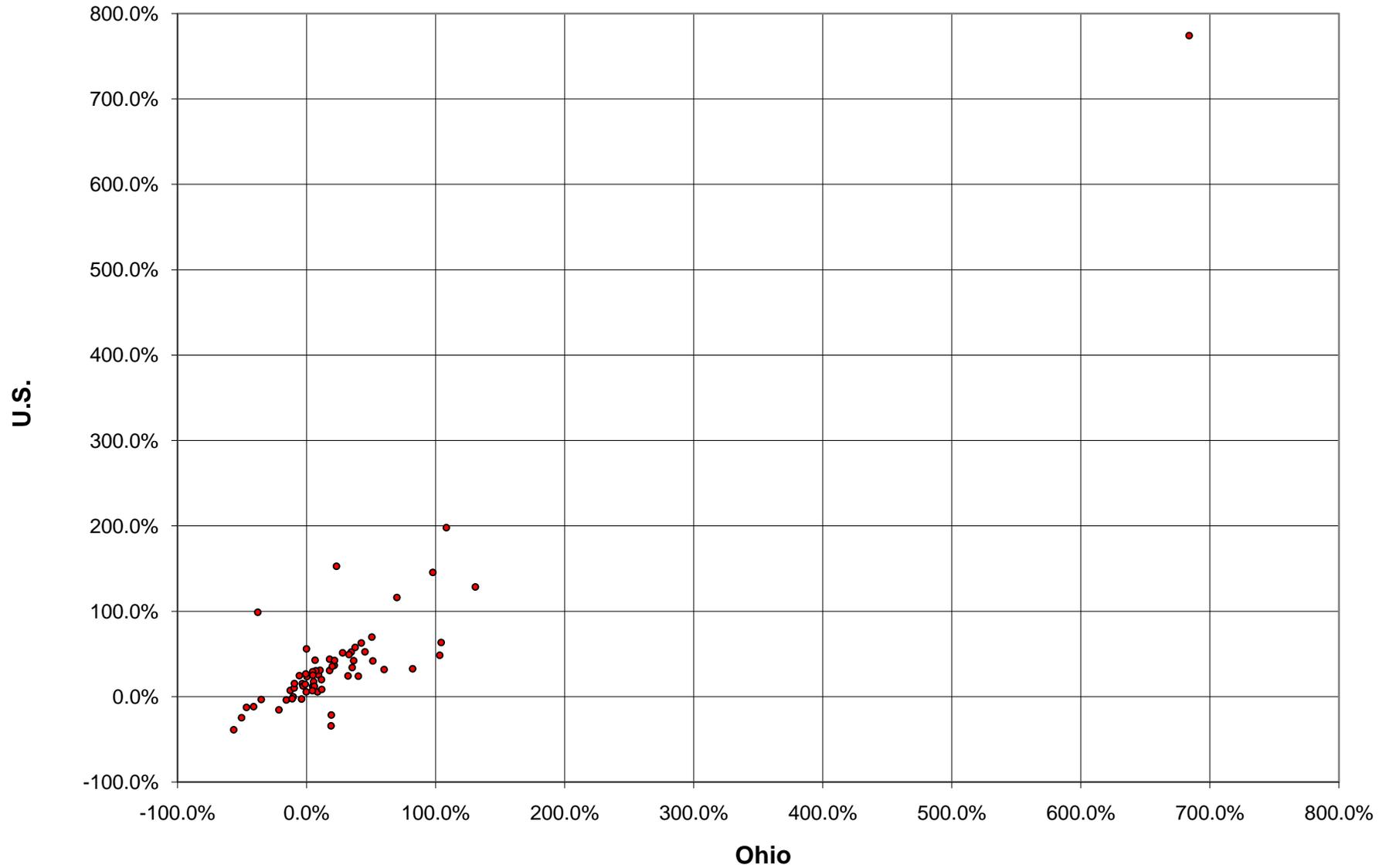
A second factor associated with the different economic growth rates of Ohio and the U.S. may be differences in the composition of their economies. Appendix table A18 shows that various industries grew at rates faster or slower than the national average of 33.5 percent for the 1997-2007 decade; some industries even contracted during that time. It also shows the industries more or less concentrated in Ohio as well as those that are relatively sparse. The industries can be grouped by those characteristics, and the portion of the economy may be calculated for each of the four groups – those with a faster-than-average national growth rate and concentrated-in-Ohio, slower-growing yet concentrated, faster-growing but sparse in Ohio, and slower-growing and sparse.

The chart above illustrates the relative portions of the four groups for America's and Ohio's economies in 1997 as represented by the blue and white areas, respectively. Overall, 35.5 percent of Ohio's economic output in 1997 was in industries characterized by faster-than-average national growth rates for the then-coming 10 years. (See the white areas on the right side; $12.5 + 23.0 = 35.5$.) This compares with 37.1 percent for the U.S. economy. (See the blue areas on the right side; $8.5 + 28.6 = 37.1$.) Conversely, 64.5 percent of Ohio's economic output in 1997 was in industries that would be characterized by slower-than-average national growth rates, compared with 62.9 percent of the U.S. economy. (These are the sums of the white and blue areas on the left side.)

Specific comparisons are even more telling. In 1997, 12.5 percent of Ohio's output was from rapid-growth industries concentrated here compared with only 8.5 percent of U.S. output, a difference of four percent favoring more rapid growth in Ohio. However, this was more than offset by the relative scarcity of *other* rapid-growth industries in Ohio: 23.0 vs. 28.6 percent, a deficit of 5.6 for the state. Furthermore, 33.8 percent Ohio's output that year came from slow-growth or contracting industries concentrated here vs. only 24.8 percent of total U.S. output, a 9.0 percent difference more than offsetting the state's advantage in *other* such industries *not* concentrated here (30.7 vs. 38.1, or 7.4 percent). All of these contrasts point to the conclusion that Ohio had a mix of industries in 1997 that predisposed it toward slower economic growth through 2007 independent of different population growth rates.

See Table A18

The Association of Percentage Changes in GDP (1997-2007) for Ohio and the U.S.



Source: U.S. BEA

On the other hand, the disjuncture between Ohio's experience and that of the nation should not be over-emphasized. The chart above illustrates the close association between changes in industry output in Ohio with corresponding changes at the national level for 1997-2007.¹² This means that changes in one generally were fairly reliable indicators of changes in the other. Faster-growing industries in one were – much more often than not – faster-growing industries in the other; the same may be said for slower-growing or contracting industries. Consequently, the close ties of Ohio's economy with the nation's mean that forecasts for industries and the economy as a whole may give indications of what to expect here.¹³

Woods (2009), a U.S. Dept. of Labor economist, forecasts total U.S. economic output growing at an average annual rate of 2.8 percent through 2018. (See the table on the following page.) As has been true in the past, some sectors may be expected to grow at faster rates than others. The faster ones are expected to be wholesale and retail trade, information, finance and insurance, professional-scientific-technical services, managing companies and enterprises, administrative-support/waste management-remediation, and health care and social assistance. The concentration or scarcity of these sectors in Ohio has implications for the state's future. Enterprise management, health care and social assistance, and finance and insurance are concentrated in Ohio, but enterprise management – the most concentrated – is a small sector. Furthermore, wholesale and retail trade are only faintly concentrated here, while information, professional-scientific-technical services and administrative-support/waste management-remediation are relatively sparse. Finally, manufacturing, a slower growth sector, is concentrated here. The faster growth rate anticipated for durable goods is due in large part to computers and electronic products – a relatively sparse industry here.

Similarly, Moody's (2011) expects long-term output growth in Ohio to lag the nation even as it shifts from manufacturing and toward services. Slower population growth plays a role in this forecast. In addition, energy-intensive manufacturing industries concentrated here – food, non-metallic minerals, paper, primary metals, and petroleum, coal, plastic, and rubber products – face the challenges of high costs and international competition. The Cincinnati and Columbus metropolitan areas may lead Ohio's growth with their more educated labor forces and favorable mixes of industries.

However, Moody's (2011) predicts that Ohio's economy will grow by almost 2.9 percent in 2011, outpacing the nation as a whole at this writing. Growth could accelerate to nearly 4.2 percent in 2012, with progressively slower rates of increase thereafter: 3.9 in 2013, 2.8 in 2014, and 1.9 in 2015. The growing healthcare, professional-scientific-technical services and (cyclical) manufacturing sectors lead the recovery at the moment, with the expansion of the last due to improving demand and a favorable export environment. (Honda's supply problems after the tsunami have had little impact on the economy.) The housing downturn, with its implications for the real estate and construction sectors, has been less severe in Ohio than the nation, and low interest rates, better credit conditions, an improving labor market and favorable price-to-income ratios may set the stage for recovery in the next two years.

See Table A19

Table: Average Annual Growth Rates* Forecast for 2008-2018

Sector	Woods		ODJFS-LMI Jobs in Ohio	Differences in Job Growth Rates (U.S. Minus Ohio)
	U.S. GDP	Jobs in U.S.		
Total^	2.8%	1.0%	0.4%	0.5%
Goods-producing industries	2.1%	0.0%	-0.9%	0.9%
Agriculture, etc. -----	0.9%	-0.4%	-0.4%	0.0%
Mining	-0.2%	-1.6%	-0.4%	-1.1%
Construction -----	2.8%	1.7%	1.1%	0.6%
Manufacturing	2.1%	-0.9%	-1.6%	0.7%
Durable Goods-----	3.1%	-0.7%	-1.7%	0.9%
Non-durable goods	1.7%	-1.3%	-1.5%	0.2%
Service-providing industries	3.3%	1.2%	0.7%	0.4%
Utilities-----	0.9%	-1.1%	-1.1%	0.0%
Wholesale trade	5.1%	0.4%	0.2%	0.2%
Retail trade -----	4.1%	0.4%	-0.1%	0.5%
Transportation & warehousing	2.9%	0.9%	0.9%	0.0%
Information -----	5.2%	0.4%	-0.7%	1.1%
Finance & insurance	4.0%	0.5%	0.4%	0.2%
Real estate-rental-leasing-----	2.5%	1.0%	0.6%	0.5%
Professional, scientific & technical services	3.1%	2.9%	2.0%	0.9%
Management of companies & enterprises -----	4.2%	0.5%	0.7%	-0.1%
Administrative-support, etc.	3.4%	1.6%	1.2%	0.5%
Education-----	1.6%	2.4%	1.3%	1.1%
Health care & social assistance	3.6%	2.3%	1.9%	0.3%
Arts-entertainment-recreation-----	1.9%	1.4%	0.3%	1.1%
Accommodation & food services	1.6%	0.7%	0.4%	0.3%
Other private sector services -----	1.5%	1.2%	0.9%	0.3%
Federal government	1.3%	0.3%	-0.3%	0.7%
State & local government	1.4%	0.8%	0.1%	0.7%

Notes: * - Percentages have been rounded to the nearest tenth;

^ - The self-employed, private household and unpaid family workers are included here.

Sources: Drawn from Woods (2009) and the Ohio Dept. of Job and Family Services-Labor Market Information (2011).

Real economic growth is associated with employment growth; the table on the preceding page shows longer-term overall economic growth averaging 2.8 percent per year with the corresponding employment growth averaging 1.0 percent. However, there are exceptions. Woods (2009) predicts greater volumes of manufactured and agricultural-forestry-fishing-hunting goods will be produced in America in the future, and utilities will provide more energy to their clients, but the number of jobs in these sectors is expected to decrease. (In either case, though, real economic growth above and beyond employment growth is indicative of increased productivity.)

Similar to Woods (2009), the Ohio Dept. of Job and Family Services' Labor Market Information (ODJFS-LMI) division published its forecast for overall and sector employment changes in Ohio for the 2008-2018 period. It expects an overall rate of job growth less than Woods does for the nation: 0.4 vs. 1.0 percent. (This is consistent with Moody's (2011) prediction that Ohio's economic growth will lag the nation over the long term.) Like Woods, ODJFS-LMI predicts net job losses in all of the goods-producing sectors except construction, as well as losses in utilities. Unlike Woods, it expects jobs losses in the retail and information sectors, as well as reduced federal employment in Ohio. ODJFS-LMI actually predicts a faster growth rate for employment in enterprise management, but slower growth rates in every other sector in which it expects job gains.

APPENDICES

TERMINOLOGY

The *Gross Domestic Product* (GDP) of Ohio is the final value of goods produced and services provided by capital and labor located in the state. Put another way, a state's total GDP is the sum of the value-added – revenue less the costs of goods and services purchased – for all industries therein. It “is the most comprehensive measure of overall economic activity... the state counterpart to GDP in the national income and products accounts” (Coakley, et.al. 2009: 62). It is actually measured using data such as employees' compensation, taxes on production and imports less subsidies, and gross operating surplus. See Downey and Aman (2006), Woodruff, et.al. (2007), and Coakley, et.al. (2009) for details about the data sources and the calculations for each industry.

Beginning in 1997, statistics on the nation's industries have been organized under the North American Industrial Classification System (NAICS). Establishments producing goods or providing services sufficiently alike are classified in the same *industry*. A six-digit NAICS code is assigned to each industry. Closely related industries formed an *industry group*. The first four digits of the code indicate the group to which the industries belong. (The first five digits occasionally indicate a sub-group.) Industry groups with common elements and shared characteristics comprise a *major industry*. The first three digits of the code indicate a major industry, and the first two digits indicate the *sector* (Office of Management and Budget, 1998, 2007). The U.S. BEA (2011) usually publishes GDP-by-state figures down to the major industry level. However, figures are available only at the sector level in some instances, while in a few others, they are available for industry groups or a combination of industry groups within a major industry.

The NAICS uses guidelines that may be new or different from the 1987 Standard Industrial Classification (SIC) system that it replaced. Occasionally, this has meant that establishments classified in the same industry under the SIC system were classified in different industries – even different groups, major industries, and sectors – under the NAICS. Consequently, the change from the SIC system to the NAICS represents an insurmountable discontinuity in charting the changes in Ohio's economy before 1997. This report is therefore limited to the years beginning with 1997.

DETAILED TABLES

Table A1: Ohio's Gross Domestic Product by Sector*, 2010 (in millions of current dollars, except percentages and ratios)

1997 NAICS Codes	Sector Titles	Ohio GDP 2010		U.S. GDP 2010		Ohio as a Percentage of the U.S.	Ohio::U.S. Concentra- tion Ratio
		(000,000)	Percent Distribution	(000,000)	Percent Distribution		
11-92	All Industries	\$477,699	100.00%	\$14,551,800	100.00%	3.28%	1.00
11-81	Private industries	\$422,724	88.49%	\$12,696,500	87.25%	3.33%	1.01
11	Agriculture, forestry, fishing & hunting	\$3,927	0.82%	\$154,054	1.06%	2.55%	0.78
21	Mining	\$2,214	0.46%	\$281,448	1.93%	0.79%	0.24
22	Utilities	\$10,161	2.13%	\$275,659	1.89%	3.69%	1.12
23	Construction	\$12,551	2.63%	\$505,557	3.47%	2.48%	0.76
31-33	Manufacturing	\$79,978	16.74%	\$1,717,530	11.80%	4.66%	1.42
32p & 33	Durable goods	\$46,847	9.81%	\$961,179	6.61%	4.87%	1.48
31 & 32p	Nondurable goods	\$33,131	6.94%	\$756,346	5.20%	4.38%	1.33
42	Wholesale trade	\$28,803	6.03%	\$807,668	5.55%	3.57%	1.09
44-45	Retail trade	\$30,424	6.37%	\$862,815	5.93%	3.53%	1.07
48-49 (exc. 491)	Transportation & warehousing, exc. Postal Service	\$14,422	3.02%	\$406,520	2.79%	3.55%	1.08
51	Information	\$13,997	2.93%	\$670,341	4.61%	2.09%	0.64
52	Finance & insurance	\$43,174	9.04%	\$1,235,180	8.49%	3.50%	1.06
53	Real estate, rental & leasing	\$50,646	10.60%	\$1,858,540	12.77%	2.73%	0.83
54	Professional & technical services	\$28,856	6.04%	\$1,103,870	7.59%	2.61%	0.80
55	Management of companies & enterprises	\$14,551	3.05%	\$256,304	1.76%	5.68%	1.73
56	Administrative & waste services	\$14,286	2.99%	\$411,766	2.83%	3.47%	1.06
61	Educational services	\$4,673	0.98%	\$162,610	1.12%	2.87%	0.88
62	Health care & social assistance	\$44,503	9.32%	\$1,111,750	7.64%	4.00%	1.22
71	Arts, entertainment & recreation	\$3,165	0.66%	\$131,239	0.90%	2.41%	0.73
72	Accommodation & food services	\$11,166	2.34%	\$399,877	2.75%	2.79%	0.85
81	Other services, exc. government	\$11,226	2.35%	\$343,817	2.36%	3.27%	0.99
92	Government (inc. Postal Service)	\$54,975	11.51%	\$1,855,240	12.75%	2.96%	0.90

Notes: * - sector figures are preliminary, major industry data are not available; exc. - except; inc. - including; p - part. Components may not sum to totals due to rounding.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A2: Ohio and U.S. Gross Domestic Product by Sector, 2001-2010 (in millions of chained 2005 dollars)

1997 NAICS Codes	Industry Titles	Area	Gross Domestic Product (standardized on 2005)										Percent Change 2001-2007	Percent Change 2007-2009
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010*		
11-92	All Industries	U.S.	\$11,364,200	\$11,560,300	\$11,807,800	\$12,212,600	\$12,554,500	\$12,895,900	\$13,143,700	\$13,100,000	\$12,773,900	\$13,099,700	15.7%	-2.8%
		Ohio	\$420,384	\$429,748	\$433,973	\$442,320	\$444,715	\$440,704	\$442,603	\$435,704	\$417,303	\$426,116	5.3%	-5.7%
11-81	Private industries	U.S.	\$9,911,300	\$10,079,100	\$10,315,700	\$10,713,900	\$11,052,500	\$11,385,500	\$11,623,600	\$11,546,300	\$11,197,600	\$11,520,600	17.3%	-3.7%
		Ohio	\$371,235	\$379,821	\$384,244	\$393,298	\$396,226	\$393,316	\$396,004	\$388,926	\$370,529	\$379,601	6.7%	-6.4%
11	Agriculture, forestry, fishing & hunting	U.S.	\$100,231	\$104,323	\$115,244	\$122,706	\$127,075	\$128,072	\$118,569	\$129,366	\$136,180	\$137,337	18.3%	14.9%
		Ohio	\$1,927	\$1,931	\$2,087	\$2,432	\$2,351	\$2,523	\$2,266	\$2,499	\$3,461	\$3,515	17.6%	52.7%
21	Mining	U.S.	\$262,735	\$265,864	\$231,256	\$229,296	\$192,043	\$207,625	\$213,833	\$206,607	\$263,267	\$271,182	-18.6%	23.1%
		Ohio	\$3,018	\$2,843	\$2,395	\$2,317	\$1,800	\$1,671	\$1,547	\$1,464	\$1,958	\$1,834	-48.7%	26.6%
22	Utilities	U.S.	\$193,184	\$200,438	\$207,607	\$215,790	\$205,669	\$207,081	\$214,213	\$226,994	\$206,589	\$209,275	10.9%	-3.6%
		Ohio	\$7,697	\$7,640	\$7,524	\$7,320	\$6,868	\$6,720	\$7,807	\$8,228	\$7,477	\$7,714	1.4%	-4.2%
23	Construction	U.S.	\$640,208	\$617,915	\$619,391	\$619,855	\$611,652	\$593,818	\$562,294	\$530,110	\$447,423	\$430,889	-12.2%	-20.4%
		Ohio	\$21,668	\$20,440	\$19,792	\$19,116	\$17,430	\$15,913	\$14,588	\$13,387	\$11,401	\$10,697	-32.7%	-21.8%
31-33	Manufacturing	U.S.	\$1,332,120	\$1,365,340	\$1,404,830	\$1,517,860	\$1,568,040	\$1,636,590	\$1,690,410	\$1,608,640	\$1,469,700	\$1,554,400	26.9%	-13.1%
		Ohio	\$76,133	\$79,890	\$79,279	\$84,590	\$85,173	\$84,484	\$84,563	\$77,358	\$64,879	\$69,129	11.1%	-23.3%
32p & 33	Durable goods	U.S.	\$701,933	\$728,029	\$749,468	\$817,684	\$877,646	\$937,509	\$972,263	\$982,394	\$857,366	\$942,661	38.5%	-11.8%
		Ohio	\$49,192	\$51,126	\$50,863	\$55,077	\$57,096	\$56,141	\$55,064	\$53,332	\$38,418	\$42,161	11.9%	-30.2%
31 & 32p	Nondurable goods	U.S.	\$633,055	\$638,924	\$656,977	\$701,215	\$690,391	\$699,707	\$719,069	\$634,537	\$613,145	\$618,016	13.6%	-14.7%
		Ohio	\$26,975	\$28,842	\$28,485	\$29,548	\$28,077	\$28,333	\$29,447	\$24,210	\$25,890	\$26,483	9.2%	-12.1%
42	Wholesale trade	U.S.	\$636,356	\$642,402	\$681,206	\$717,796	\$725,284	\$747,454	\$789,031	\$788,177	\$810,457	\$844,290	24.0%	2.7%
		Ohio	\$23,429	\$23,496	\$24,781	\$26,093	\$26,279	\$27,056	\$28,062	\$28,186	\$29,039	\$30,109	19.8%	3.5%
44-45	Retail trade	U.S.	\$774,855	\$800,435	\$818,550	\$818,841	\$838,780	\$854,155	\$865,419	\$805,284	\$789,739	\$830,797	11.7%	-8.7%
		Ohio	\$31,362	\$32,178	\$33,016	\$32,198	\$31,987	\$30,606	\$30,705	\$28,396	\$27,877	\$29,295	-2.1%	-9.2%
48-49p	Transportation & warehousing ¹	U.S.	\$306,778	\$302,587	\$317,852	\$346,768	\$369,667	\$386,148	\$389,512	\$392,751	\$341,590	\$347,645	27.0%	-12.3%
		Ohio	\$11,309	\$11,275	\$11,953	\$12,896	\$14,150	\$14,846	\$14,758	\$14,901	\$12,538	\$12,376	30.5%	-15.0%
51	Information	U.S.	\$426,446	\$473,700	\$485,834	\$549,489	\$592,563	\$598,279	\$649,186	\$675,720	\$658,843	\$691,348	52.2%	1.5%
		Ohio	\$9,744	\$11,107	\$11,531	\$12,694	\$13,491	\$12,723	\$13,744	\$14,293	\$13,790	\$14,432	41.1%	0.3%
52	Finance & insurance	U.S.	\$937,251	\$935,428	\$947,901	\$947,824	\$1,028,520	\$1,097,120	\$1,073,500	\$1,031,100	\$1,094,030	\$1,129,370	14.5%	1.9%
		Ohio	\$32,732	\$33,970	\$34,969	\$35,306	\$37,776	\$37,370	\$37,326	\$37,205	\$40,111	\$40,132	14.0%	7.5%
53	Real estate, rental & leasing	U.S.	\$1,462,170	\$1,458,980	\$1,482,080	\$1,517,770	\$1,577,940	\$1,619,410	\$1,689,510	\$1,731,450	\$1,700,780	\$1,712,710	15.5%	0.7%
		Ohio	\$50,064	\$49,167	\$48,308	\$47,066	\$46,219	\$45,395	\$46,245	\$46,959	\$46,893	\$46,675	-7.6%	1.4%
54	Professional & technical services	U.S.	\$768,265	\$778,473	\$790,515	\$837,486	\$875,641	\$916,565	\$943,863	\$983,561	\$950,534	\$972,209	22.9%	0.7%
		Ohio	\$21,680	\$22,084	\$22,226	\$23,242	\$23,626	\$24,160	\$24,996	\$25,872	\$25,116	\$25,595	15.3%	0.5%
55	Management of companies & enterprises	U.S.	\$224,112	\$225,323	\$225,893	\$221,081	\$217,681	\$219,847	\$216,813	\$222,031	\$217,302	\$220,266	-3.3%	0.2%
		Ohio	\$10,390	\$12,134	\$12,440	\$12,226	\$12,321	\$12,502	\$11,722	\$12,511	\$12,181	\$12,505	12.8%	3.9%
56	Administrative & waste services	U.S.	\$310,737	\$309,125	\$331,715	\$335,086	\$368,495	\$374,587	\$389,105	\$391,714	\$348,288	\$367,171	25.2%	-10.5%
		Ohio	\$11,106	\$11,133	\$12,124	\$12,329	\$13,117	\$13,134	\$13,754	\$13,874	\$12,146	\$12,740	23.8%	-11.7%
61	Educational services	U.S.	\$114,209	\$119,721	\$120,398	\$123,459	\$120,070	\$121,005	\$121,824	\$123,883	\$122,107	\$122,411	6.7%	0.2%
		Ohio	\$3,474	\$3,542	\$3,559	\$3,648	\$3,559	\$3,656	\$3,576	\$3,602	\$3,539	\$3,518	2.9%	-1.0%
62	Health care & social assistance	U.S.	\$731,073	\$761,045	\$789,112	\$813,919	\$833,337	\$864,223	\$880,799	\$918,769	\$932,479	\$958,579	20.5%	5.9%
		Ohio	\$31,774	\$32,548	\$33,640	\$34,592	\$35,135	\$36,155	\$36,000	\$37,116	\$37,375	\$38,292	13.3%	3.8%
71	Arts, entertainment & recreation	U.S.	\$106,903	\$112,177	\$111,966	\$116,678	\$117,274	\$122,962	\$126,419	\$124,437	\$114,705	\$120,874	18.3%	-9.3%
		Ohio	\$3,160	\$3,170	\$3,108	\$3,078	\$3,041	\$3,103	\$3,163	\$3,067	\$2,837	\$2,917	0.1%	-10.3%
72	Accommodation & food services	U.S.	\$329,054	\$331,799	\$342,115	\$355,782	\$364,307	\$373,102	\$377,173	\$355,987	\$324,036	\$334,503	14.6%	-14.1%
		Ohio	\$10,149	\$10,187	\$10,489	\$10,759	\$10,704	\$10,555	\$10,699	\$9,926	\$9,986	\$9,172	5.4%	-16.0%
81	Other services, exc. government	U.S.	\$310,354	\$320,132	\$314,949	\$317,309	\$318,454	\$318,802	\$319,451	\$304,209	\$283,529	\$287,793	2.9%	-11.2%
		Ohio	\$11,754	\$11,982	\$11,613	\$11,586	\$11,200	\$10,787	\$10,675	\$10,001	\$9,255	\$9,397	-9.2%	-13.3%
92	Government ²	U.S.	\$1,453,000	\$1,481,130	\$1,492,340	\$1,497,410	\$1,502,060	\$1,510,720	\$1,521,720	\$1,553,440	\$1,565,230	\$1,570,310	4.7%	2.9%
		Ohio	\$49,258	\$50,012	\$49,778	\$49,029	\$48,489	\$47,392	\$46,628	\$46,768	\$46,667	\$46,476	-5.3%	0.1%

Notes: * - preliminary; earlier years may be revised; 1 - excludes Postal Service; 2 - includes Postal Service; p - part. Components may not sum to totals due to rounding and/or different inflators/deflators used for different industries.

Source: Downey and Aman (2006), U.S. Bureau Economic Analysis (2011), Woodruff, et.al. (2006).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A3: Ohio's Gross Domestic Product by Industry, 2001-2009 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹
11-92	All Industries*	\$382,640	\$397,973	\$409,973	\$428,974	\$444,715	\$454,145	\$468,707	\$470,640	\$462,015
11-81	Private industries	\$341,318	\$354,374	\$364,376	\$382,095	\$396,226	\$404,640	\$417,703	\$417,814	\$407,741
11	Agriculture, forestry, fishing & hunting	\$1,894	\$1,738	\$2,100	\$2,878	\$2,351	\$2,392	\$2,822	\$3,145	\$3,336
111-2	Crop & animal production (farms)	\$1,641	\$1,503	\$1,851	\$2,618	\$2,091	\$2,103	\$2,507	\$2,875	\$3,045
113-5	Forestry, fishing & related activities	\$254	\$235	\$250	\$260	\$260	\$288	\$315	\$270	\$291
21	Mining	\$1,503	\$1,363	\$1,467	\$1,675	\$1,800	\$1,919	\$1,950	\$2,222	\$2,168
211	Oil & gas extraction	\$394	\$566	\$607	\$675	\$715	\$739	\$719	\$782	\$564
212	Mining, except oil & gas	\$1,003	\$696	\$727	\$782	\$809	\$824	\$792	\$922	\$1,076
213	Support activities for mining	\$105	\$101	\$134	\$218	\$276	\$356	\$439	\$517	\$528
22	Utilities	\$7,075	\$6,898	\$6,953	\$7,056	\$6,868	\$7,664	\$9,067	\$9,520	\$9,704
23	Construction	\$16,602	\$16,352	\$16,486	\$17,099	\$17,430	\$17,448	\$17,051	\$15,742	\$13,695
31-33	Manufacturing	\$76,821	\$79,640	\$78,013	\$83,265	\$85,173	\$85,583	\$86,063	\$80,217	\$73,154
32p & 33	Durable goods	\$51,196	\$52,202	\$50,964	\$54,916	\$57,096	\$56,105	\$55,449	\$52,915	\$42,037
321	Wood products	\$976	\$1,036	\$810	\$1,117	\$1,042	\$933	\$906	\$814	\$679
327	Nonmetallic mineral products	\$2,846	\$3,068	\$2,882	\$2,659	\$2,518	\$2,381	\$2,382	\$2,252	\$2,274
331	Primary metals	\$4,902	\$4,536	\$3,889	\$5,560	\$6,694	\$6,500	\$6,714	\$6,911	\$3,230
332	Fabricated metal products	\$8,960	\$8,838	\$9,169	\$9,708	\$10,119	\$10,698	\$10,970	\$12,051	\$9,823
333	Machinery	\$6,234	\$5,643	\$5,692	\$6,111	\$6,873	\$6,675	\$7,138	\$6,915	\$5,641
334	Computer & electronic products	\$2,018	\$1,716	\$1,616	\$2,152	\$2,911	\$2,874	\$2,758	\$2,634	\$2,088
335	Electrical equipment & appliances	\$3,711	\$3,834	\$4,543	\$3,834	\$3,939	\$3,687	\$3,656	\$4,083	\$4,148
336	Transportation equipment	\$18,221	\$19,899	\$18,992	\$20,200	\$19,322	\$18,573	\$17,168	\$13,933	\$11,217
3361-3	Motor vehicles, bodies, trailers & parts	\$14,479	\$16,564	\$15,602	\$16,671	\$15,484	\$14,614	\$12,765	\$9,780	\$7,383
3364-9	Other transportation equipment	\$3,742	\$3,335	\$3,390	\$3,529	\$3,838	\$3,959	\$4,403	\$4,153	\$3,834
337	Furniture & related products	\$1,444	\$1,530	\$1,490	\$1,462	\$1,642	\$1,621	\$1,629	\$1,188	\$970
339	Miscellaneous mfg.	\$1,884	\$2,102	\$1,879	\$2,114	\$2,035	\$2,163	\$2,128	\$2,134	\$1,967
31 & 32p	Nondurable goods ¹	\$25,625	\$27,438	\$27,049	\$28,349	\$28,077	\$29,478	\$30,615	\$27,302	\$31,117
311-2	Food products	\$7,594	\$8,125	\$7,405	\$7,507	\$7,004	\$7,599	\$7,754	\$7,392	\$8,462
313-4	Textile & textile product mills	\$473	\$426	\$338	\$432	\$380	\$349	\$441	\$442	\$341
315	Apparel	\$179	\$182	\$211	\$211	\$227	\$204	\$255	\$230	\$196
322	Paper	\$2,269	\$2,360	\$2,029	\$2,245	\$2,213	\$2,457	\$2,480	\$2,120	\$1,993
323	Printing & related support activities	\$1,844	\$1,938	\$2,016	\$2,045	\$2,078	\$2,025	\$1,928	\$1,703	\$1,592
324	Petroleum & coal products	\$2,004	\$1,428	\$1,956	\$2,527	\$3,702	\$4,181	\$3,135	\$2,437	\$4,468
325	Chemical	\$6,363	\$7,521	\$7,722	\$8,025	\$6,983	\$7,490	\$9,076	\$8,574	\$9,617
326	Plastics & rubber products	\$4,899	\$5,458	\$5,372	\$5,358	\$5,490	\$5,173	\$5,545	\$4,404	\$4,449
42	Wholesale trade	\$22,580	\$22,489	\$23,211	\$24,883	\$26,279	\$27,856	\$28,925	\$29,427	\$27,976
44-45	Retail trade	\$28,490	\$29,393	\$31,015	\$31,249	\$31,987	\$31,355	\$31,439	\$29,628	\$28,933
48-49p	Transportation & warehousing ²	\$10,925	\$11,096	\$11,859	\$12,830	\$14,150	\$15,165	\$15,332	\$15,880	\$14,279
481	Air transportation	\$709	\$892	\$1,243	\$1,292	\$1,404	\$1,495	\$1,475	\$1,626	\$1,576
482	Rail transportation	\$879	\$849	\$894	\$936	\$1,013	\$1,115	\$1,114	\$1,216	\$1,105
483	Water transportation	\$227	\$193	\$191	\$140	\$143	\$159	\$133	\$124	\$95
484	Truck transportation	\$4,788	\$4,866	\$5,064	\$5,477	\$5,908	\$6,145	\$6,170	\$6,102	\$5,389
485	Transit & ground passenger transportation	\$280	\$308	\$310	\$336	\$333	\$348	\$375	\$361	\$367
486	Pipeline transportation	\$102	\$132	\$124	\$126	\$135	\$142	\$174	\$207	\$197
487-8, 492	Other transportation & support activities	\$2,904	\$2,783	\$2,821	\$3,036	\$3,383	\$3,679	\$3,575	\$3,854	\$3,419
493	Warehousing & storage	\$1,036	\$1,074	\$1,212	\$1,487	\$1,831	\$2,083	\$2,314	\$2,390	\$2,130
51	Information	\$10,391	\$11,791	\$12,151	\$13,052	\$13,491	\$12,625	\$13,411	\$13,801	\$13,402
511	Publishing including software	\$2,783	\$3,684	\$4,013	\$4,568	\$4,825	\$4,040	\$4,349	\$4,540	\$4,287
512	Motion picture & sound recording industries	\$314	\$319	\$308	\$315	\$312	\$320	\$325	\$308	\$300
513	Broadcasting & telecommunications	\$6,387	\$6,408	\$6,339	\$6,638	\$6,963	\$6,811	\$7,744	\$7,834	\$7,693
514	Information & data processing svcs.	\$908	\$1,380	\$1,492	\$1,532	\$1,391	\$1,454	\$993	\$1,120	\$1,122

Table A3: Ohio's Gross Domestic Product by Industry, 2001-2009 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p
52	Finance & insurance	\$29,160	\$31,480	\$33,544	\$34,734	\$37,776	\$37,548	\$38,147	\$38,914	\$42,317
521-2	Federal Reserve, credit intermediation, etc.	\$15,381	\$18,856	\$20,236	\$19,875	\$21,749	\$20,719	\$19,829	\$22,009	\$21,917
523	Securities, commodity contracts, investments	\$2,364	\$2,115	\$1,949	\$1,920	\$2,267	\$2,467	\$2,217	\$2,090	\$2,178
524	Insurance carriers & related activities	\$11,189	\$10,292	\$11,144	\$12,728	\$13,515	\$14,041	\$15,720	\$14,352	\$17,667
525	Funds, trusts & other financial vehicles	\$227	\$216	\$215	\$211	\$244	\$321	\$380	\$463	\$555
53	Real estate, rental & leasing	\$45,068	\$45,791	\$46,058	\$45,907	\$46,219	\$46,868	\$48,741	\$50,833	\$51,518
531	Real estate	\$39,898	\$40,629	\$41,464	\$41,363	\$41,520	\$41,437	\$43,716	\$45,793	\$46,464
532-3	Rental & leasing svcs., leasing intangible assets	\$5,169	\$5,162	\$4,593	\$4,544	\$4,698	\$5,431	\$5,024	\$5,040	\$5,054
54	Professional & technical svcs.	\$19,866	\$20,470	\$21,020	\$22,523	\$23,626	\$25,074	\$27,169	\$28,626	\$28,052
5411	Legal svcs.	\$3,969	\$4,220	\$4,236	\$4,522	\$4,607	\$4,508	\$4,830	\$5,122	\$5,046
5415	Computer systems design & related svcs.	\$3,349	\$3,272	\$3,376	\$3,616	\$3,883	\$4,355	\$5,028	\$5,308	\$5,285
5412-4, 6-9	Other professional, scientific & technical svcs.	\$12,549	\$12,977	\$13,409	\$14,385	\$15,136	\$16,211	\$17,310	\$18,195	\$17,720
55	Management of companies & enterprises	\$8,092	\$9,603	\$10,586	\$11,231	\$12,321	\$13,321	\$13,911	\$14,657	\$13,816
56	Administrative & waste svcs.	\$10,532	\$10,833	\$11,755	\$12,258	\$13,117	\$13,499	\$14,649	\$14,699	\$13,471
561	Administrative & support svcs.	\$9,335	\$9,590	\$10,285	\$10,780	\$11,581	\$12,122	\$13,249	\$13,230	\$12,116
562	Waste management & remediation svcs.	\$1,197	\$1,243	\$1,470	\$1,478	\$1,536	\$1,377	\$1,401	\$1,469	\$1,355
61	Educational svcs.	\$2,698	\$2,924	\$3,135	\$3,427	\$3,559	\$3,888	\$4,030	\$4,274	\$4,490
62	Health care & social assistance	\$27,722	\$29,474	\$31,546	\$33,572	\$35,135	\$37,124	\$38,486	\$40,517	\$42,472
621	Ambulatory health care svcs.	\$12,525	\$13,236	\$14,103	\$14,936	\$15,764	\$16,626	\$17,268	\$17,962	\$18,956
622-3	Hospitals & nursing & residential care facilities	\$13,348	\$14,262	\$15,354	\$16,474	\$17,037	\$18,016	\$18,523	\$19,686	\$20,543
624	Social assistance	\$1,848	\$1,975	\$2,088	\$2,162	\$2,333	\$2,482	\$2,695	\$2,870	\$2,973
71	Arts, entertainment & recreation	\$2,810	\$2,893	\$2,941	\$2,993	\$3,041	\$3,192	\$3,361	\$3,329	\$3,146
711-2	Performing arts, museums & related activities	\$1,439	\$1,508	\$1,564	\$1,532	\$1,569	\$1,659	\$1,813	\$1,830	\$1,746
713	Amusements, gambling & recreation	\$1,371	\$1,385	\$1,377	\$1,460	\$1,472	\$1,533	\$1,548	\$1,499	\$1,400
72	Accommodation & food svcs.	\$9,083	\$9,481	\$9,854	\$10,402	\$10,704	\$10,886	\$11,633	\$11,174	\$10,866
721	Accommodation	\$1,443	\$1,507	\$1,498	\$1,581	\$1,634	\$1,624	\$1,736	\$1,698	\$1,576
722	Food services & drinking places	\$7,640	\$7,973	\$8,357	\$8,822	\$9,070	\$9,261	\$9,897	\$9,476	\$9,290
81	Other svcs., except government	\$10,006	\$10,666	\$10,681	\$11,063	\$11,200	\$11,234	\$11,516	\$11,206	\$10,949
92	Government	\$41,323	\$43,598	\$45,596	\$46,879	\$48,489	\$49,505	\$51,004	\$52,825	\$54,273
92a & b	Federal government	\$7,719	\$8,371	\$8,948	\$9,411	\$9,668	\$9,861	\$10,206	\$10,481	\$10,874
92a	Civilian ³	\$6,413	\$6,788	\$7,035	\$7,343	\$7,432	\$7,673	\$8,006	\$8,102	\$8,263
92b	Military	\$1,306	\$1,583	\$1,913	\$2,068	\$2,236	\$2,188	\$2,200	\$2,379	\$2,611
92c	State & local	\$33,605	\$35,227	\$36,648	\$37,468	\$38,821	\$39,643	\$40,797	\$42,345	\$43,400

Notes: * - components may not sum to totals due to rounding; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
11-81	Private industries	89.20%	89.04%	88.88%	89.07%	89.10%	89.10%	89.12%	88.78%	88.25%
11	Agriculture, forestry, fishing & hunting	0.49%	0.44%	0.51%	0.67%	0.53%	0.53%	0.60%	0.67%	0.72%
111-2	Crop & animal production (farms)	0.43%	0.38%	0.45%	0.61%	0.47%	0.46%	0.53%	0.61%	0.66%
113-5	Forestry, fishing & related activities	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.07%	0.06%	0.06%
21	Mining	0.39%	0.34%	0.36%	0.39%	0.40%	0.42%	0.42%	0.47%	0.47%
211	Oil & gas extraction	0.10%	0.14%	0.15%	0.16%	0.16%	0.16%	0.15%	0.17%	0.12%
212	Mining, except oil & gas	0.26%	0.17%	0.18%	0.18%	0.18%	0.18%	0.17%	0.20%	0.23%
213	Support activities for mining	0.03%	0.03%	0.03%	0.05%	0.06%	0.08%	0.09%	0.11%	0.11%
22	Utilities	1.85%	1.73%	1.70%	1.64%	1.54%	1.69%	1.93%	2.02%	2.10%
23	Construction	4.34%	4.11%	4.02%	3.99%	3.92%	3.84%	3.64%	3.34%	2.96%
31-33	Manufacturing	20.08%	20.01%	19.03%	19.41%	19.15%	18.84%	18.36%	17.04%	15.83%
32p & 33	Durable goods	13.38%	13.12%	12.43%	12.80%	12.84%	12.35%	11.83%	11.24%	9.10%
321	Wood products	0.26%	0.26%	0.20%	0.26%	0.23%	0.21%	0.19%	0.17%	0.15%
327	Nonmetallic mineral products	0.74%	0.77%	0.70%	0.62%	0.57%	0.52%	0.51%	0.48%	0.49%
331	Primary metals	1.28%	1.14%	0.95%	1.30%	1.51%	1.43%	1.43%	1.47%	0.70%
332	Fabricated metal products	2.34%	2.22%	2.24%	2.26%	2.28%	2.36%	2.34%	2.56%	2.13%
333	Machinery	1.63%	1.42%	1.39%	1.42%	1.55%	1.47%	1.52%	1.47%	1.22%
334	Computer & electronic products	0.53%	0.43%	0.39%	0.50%	0.65%	0.63%	0.59%	0.56%	0.45%
335	Electrical equipment & appliances	0.97%	0.96%	1.11%	0.89%	0.89%	0.81%	0.78%	0.87%	0.90%
336	Transportation equipment	4.76%	5.00%	4.63%	4.71%	4.34%	4.09%	3.66%	2.96%	2.43%
3361-3	Motor vehicles, bodies, trailers & parts	3.78%	4.16%	3.81%	3.89%	3.48%	3.22%	2.72%	2.08%	1.60%
3364-9	Other transportation equipment	0.98%	0.84%	0.83%	0.82%	0.86%	0.87%	0.94%	0.88%	0.83%
337	Furniture & related products	0.38%	0.38%	0.36%	0.34%	0.37%	0.36%	0.35%	0.25%	0.21%
339	Miscellaneous mfg.	0.49%	0.53%	0.46%	0.49%	0.46%	0.48%	0.45%	0.45%	0.43%
31 & 32p	Nondurable goods ¹	6.70%	6.89%	6.60%	6.61%	6.31%	6.49%	6.53%	5.80%	6.74%
311-2	Food products	1.98%	2.04%	1.81%	1.75%	1.57%	1.67%	1.65%	1.57%	1.83%
313-4	Textile & textile product mills	0.12%	0.11%	0.08%	0.10%	0.09%	0.08%	0.09%	0.09%	0.07%
315	Apparel	0.05%	0.05%	0.05%	0.05%	0.05%	0.04%	0.05%	0.05%	0.04%
322	Paper	0.59%	0.59%	0.49%	0.52%	0.50%	0.54%	0.53%	0.45%	0.43%
323	Printing & related support activities	0.48%	0.49%	0.49%	0.48%	0.47%	0.45%	0.41%	0.36%	0.34%
324	Petroleum & coal products	0.52%	0.36%	0.48%	0.59%	0.83%	0.92%	0.67%	0.52%	0.97%
325	Chemical	1.66%	1.89%	1.88%	1.87%	1.57%	1.65%	1.94%	1.82%	2.08%
326	Plastics & rubber products	1.28%	1.37%	1.31%	1.25%	1.23%	1.14%	1.18%	0.94%	0.96%
42	Wholesale trade	5.90%	5.65%	5.66%	5.80%	5.91%	6.13%	6.17%	6.25%	6.06%
44-45	Retail trade	7.45%	7.39%	7.57%	7.28%	7.19%	6.90%	6.71%	6.30%	6.26%
48-49p	Transportation & warehousing ²	2.86%	2.79%	2.89%	2.99%	3.18%	3.34%	3.27%	3.37%	3.09%
481	Air transportation	0.19%	0.22%	0.30%	0.30%	0.32%	0.33%	0.31%	0.35%	0.34%
482	Rail transportation	0.23%	0.21%	0.22%	0.22%	0.23%	0.25%	0.24%	0.26%	0.24%
483	Water transportation	0.06%	0.05%	0.05%	0.03%	0.03%	0.04%	0.03%	0.03%	0.02%
484	Truck transportation	1.25%	1.22%	1.24%	1.28%	1.33%	1.35%	1.32%	1.30%	1.17%
485	Transit & ground passenger transportation	0.07%	0.08%	0.08%	0.08%	0.07%	0.08%	0.08%	0.08%	0.08%
486	Pipeline transportation	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	0.04%	0.04%
487-8, 492	Other transportation & support activities	0.76%	0.70%	0.69%	0.71%	0.76%	0.81%	0.76%	0.82%	0.74%
493	Warehousing & storage	0.27%	0.27%	0.30%	0.35%	0.41%	0.46%	0.49%	0.51%	0.46%
51	Information	2.72%	2.96%	2.96%	3.04%	3.03%	2.78%	2.86%	2.93%	2.90%
511	Publishing including software	0.73%	0.93%	0.98%	1.06%	1.08%	0.89%	0.93%	0.96%	0.93%
512	Motion picture & sound recording industries	0.08%	0.08%	0.08%	0.07%	0.07%	0.07%	0.07%	0.07%	0.06%
513	Broadcasting & telecommunications	1.67%	1.61%	1.55%	1.55%	1.57%	1.50%	1.65%	1.66%	1.67%
514	Information & data processing svcs.	0.24%	0.35%	0.36%	0.36%	0.31%	0.32%	0.21%	0.24%	0.24%

Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^P
52	Finance & insurance	7.62%	7.91%	8.18%	8.10%	8.49%	8.27%	8.14%	8.27%	9.16%
521-2	Federal Reserve, credit intermediation, etc.	4.02%	4.74%	4.94%	4.63%	4.89%	4.56%	4.23%	4.68%	4.74%
523	Securities, commodity contracts, investments	0.62%	0.53%	0.48%	0.45%	0.51%	0.54%	0.47%	0.44%	0.47%
524	Insurance carriers & related activities	2.92%	2.59%	2.72%	2.97%	3.04%	3.09%	3.35%	3.05%	3.82%
525	Funds, trusts & other financial vehicles	0.06%	0.05%	0.05%	0.05%	0.05%	0.07%	0.08%	0.10%	0.12%
53	Real estate, rental & leasing	11.78%	11.51%	11.23%	10.70%	10.39%	10.32%	10.40%	10.80%	11.15%
531	Real estate	10.43%	10.21%	10.11%	9.64%	9.34%	9.12%	9.33%	9.73%	10.06%
532-3	Rental & leasing svcs., leasing intangible assets	1.35%	1.30%	1.12%	1.06%	1.06%	1.20%	1.07%	1.07%	1.09%
54	Professional & technical svcs.	5.19%	5.14%	5.13%	5.25%	5.31%	5.52%	5.80%	6.08%	6.07%
5411	Legal svcs.	1.04%	1.06%	1.03%	1.05%	1.04%	0.99%	1.03%	1.09%	1.09%
5415	Computer systems design & related svcs.	0.88%	0.82%	0.82%	0.84%	0.87%	0.96%	1.07%	1.13%	1.14%
5412-4, 6-9	Other professional, scientific & technical svcs.	3.28%	3.26%	3.27%	3.35%	3.40%	3.57%	3.69%	3.87%	3.84%
55	Management of companies & enterprises	2.11%	2.41%	2.58%	2.62%	2.77%	2.93%	2.97%	3.11%	2.99%
56	Administrative & waste svcs.	2.75%	2.72%	2.87%	2.86%	2.95%	2.97%	3.13%	3.12%	2.92%
561	Administrative & support svcs.	2.44%	2.41%	2.51%	2.51%	2.60%	2.67%	2.83%	2.81%	2.62%
562	Waste management & remediation svcs.	0.31%	0.31%	0.36%	0.34%	0.35%	0.30%	0.30%	0.31%	0.29%
61	Educational svcs.	0.71%	0.73%	0.76%	0.80%	0.80%	0.86%	0.86%	0.91%	0.97%
62	Health care & social assistance	7.24%	7.41%	7.69%	7.83%	7.90%	8.17%	8.21%	8.61%	9.19%
621	Ambulatory health care svcs.	3.27%	3.33%	3.44%	3.48%	3.54%	3.66%	3.68%	3.82%	4.10%
622-3	Hospitals & nursing & residential care facilities	3.49%	3.58%	3.75%	3.84%	3.83%	3.97%	3.95%	4.18%	4.45%
624	Social assistance	0.48%	0.50%	0.51%	0.50%	0.52%	0.55%	0.57%	0.61%	0.64%
71	Arts, entertainment & recreation	0.73%	0.73%	0.72%	0.70%	0.68%	0.70%	0.72%	0.71%	0.68%
711-2	Performing arts, museums & related activities	0.38%	0.38%	0.38%	0.36%	0.35%	0.37%	0.39%	0.39%	0.38%
713	Amusements, gambling & recreation	0.36%	0.35%	0.34%	0.34%	0.33%	0.34%	0.33%	0.32%	0.30%
72	Accommodation & food svcs.	2.37%	2.38%	2.40%	2.42%	2.41%	2.40%	2.48%	2.37%	2.35%
721	Accommodation	0.38%	0.38%	0.37%	0.37%	0.37%	0.36%	0.37%	0.36%	0.34%
722	Food services & drinking places	2.00%	2.00%	2.04%	2.06%	2.04%	2.04%	2.11%	2.01%	2.01%
81	Other svcs., except government	2.61%	2.68%	2.61%	2.58%	2.52%	2.47%	2.46%	2.38%	2.37%
92	Government	10.80%	10.96%	11.12%	10.93%	10.90%	10.90%	10.88%	11.22%	11.75%
92a & b	Federal government	2.02%	2.10%	2.18%	2.19%	2.17%	2.17%	2.18%	2.23%	2.35%
92a	Civilian ³	1.68%	1.71%	1.72%	1.71%	1.67%	1.69%	1.71%	1.72%	1.79%
92b	Military	0.34%	0.40%	0.47%	0.48%	0.50%	0.48%	0.47%	0.51%	0.57%
92c	State & local	8.78%	8.85%	8.94%	8.73%	8.73%	8.73%	8.70%	9.00%	9.39%

Notes: * - components may not sum to totals due to rounding; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A5: Ohio's Gross Domestic Product by Industry, 2001-2009 (in millions of chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Percent Change 2001-2007	Percent Change 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹		
11-92	All Industries*	\$420,384	\$429,748	\$433,973	\$442,320	\$444,715	\$440,704	\$442,603	\$435,704	\$417,303	5.3%	-0.7%
11-81	Private industries	\$371,235	\$379,821	\$384,244	\$393,298	\$396,226	\$393,316	\$396,004	\$388,926	\$370,529	6.7%	-0.2%
11	Agriculture, forestry, fishing & hunting	\$1,927	\$1,931	\$2,087	\$2,432	\$2,351	\$2,523	\$2,266	\$2,499	\$3,461	17.6%	79.6%
111-2	Crop & animal production (farms)	\$1,673	\$1,687	\$1,833	\$2,168	\$2,091	\$2,241	\$1,971	\$2,244	\$3,179	17.8%	90.0%
113-5	Forestry, fishing & related activities	\$256	\$247	\$256	\$264	\$260	\$282	\$296	\$245	\$267	15.6%	4.3%
21	Mining	\$3,018	\$2,843	\$2,395	\$2,317	\$1,800	\$1,671	\$1,547	\$1,464	\$1,958	-48.7%	-35.1%
211	Oil & gas extraction	\$965	\$1,712	\$1,095	\$991	\$715	\$732	\$673	\$510	\$794	-30.3%	-17.7%
212	Mining, except oil & gas	\$1,619	\$1,076	\$1,072	\$985	\$809	\$712	\$603	\$610	\$784	-62.8%	-51.6%
213	Support activities for mining	\$217	\$183	\$223	\$345	\$276	\$235	\$264	\$315	\$373	21.7%	1.9%
22	Utilities	\$7,697	\$7,640	\$7,524	\$7,320	\$6,868	\$6,720	\$7,807	\$8,228	\$7,477	1.4%	-2.9%
23	Construction	\$21,668	\$20,440	\$19,792	\$19,116	\$17,430	\$15,913	\$14,588	\$13,387	\$11,401	-32.7%	-47.4%
31-33	Manufacturing	\$76,133	\$79,890	\$79,279	\$84,590	\$85,173	\$84,484	\$84,563	\$77,358	\$64,879	11.1%	-14.8%
32p & 33	Durable goods	\$49,192	\$51,126	\$50,863	\$55,077	\$57,096	\$56,141	\$55,064	\$53,332	\$38,418	11.9%	-21.9%
321	Wood products	\$1,130	\$1,218	\$917	\$1,088	\$1,042	\$1,012	\$1,136	\$1,087	\$900	0.5%	-20.4%
327	Nonmetallic mineral products	\$3,068	\$3,228	\$3,126	\$2,851	\$2,518	\$2,103	\$2,114	\$2,099	\$1,913	-31.1%	-37.6%
331	Primary metals	\$7,088	\$6,595	\$5,796	\$6,422	\$6,694	\$5,063	\$4,858	\$4,901	\$3,344	-31.5%	-52.8%
332	Fabricated metal products	\$9,349	\$9,247	\$9,786	\$10,274	\$10,119	\$10,745	\$10,622	\$11,200	\$7,573	13.6%	-19.0%
333	Machinery	\$6,077	\$5,486	\$5,601	\$6,267	\$6,873	\$6,653	\$6,974	\$6,749	\$4,768	14.8%	-21.5%
334	Computer & electronic products	\$1,278	\$1,220	\$1,313	\$1,952	\$2,911	\$3,216	\$3,465	\$3,670	\$2,972	171.1%	132.6%
335	Electrical equipment & appliances	\$3,485	\$3,651	\$4,478	\$3,896	\$3,939	\$3,632	\$3,435	\$3,738	\$3,343	-1.4%	-4.1%
336	Transportation equipment	\$15,552	\$17,407	\$16,789	\$18,743	\$19,322	\$20,288	\$19,052	\$16,499	\$10,729	22.5%	-31.0%
3361-3	Motor vehicles, bodies, trailers & parts	\$11,347	\$13,725	\$13,188	\$15,096	\$15,484	\$16,435	\$14,775	\$12,465	\$7,263	30.2%	-36.0%
3364-9	Other transportation equipment	\$4,205	\$3,682	\$3,601	\$3,647	\$3,838	\$3,853	\$4,277	\$4,034	\$3,466	1.7%	-17.6%
337	Furniture & related products	\$1,446	\$1,507	\$1,479	\$1,525	\$1,642	\$1,601	\$1,557	\$1,126	\$799	7.7%	-44.7%
339	Miscellaneous mfg.	\$1,891	\$2,072	\$1,848	\$2,114	\$2,035	\$2,155	\$2,088	\$2,099	\$1,833	10.4%	-3.1%
31 & 32p	Nondurable goods ¹	\$26,975	\$28,842	\$28,485	\$29,548	\$28,077	\$28,333	\$29,447	\$24,210	\$25,890	9.2%	-4.0%
311-2	Food products	\$7,776	\$7,891	\$7,465	\$7,215	\$7,004	\$8,088	\$8,603	\$7,284	\$7,203	10.6%	-7.4%
313-4	Textile & textile product mills	\$452	\$416	\$357	\$437	\$380	\$338	\$437	\$424	\$302	-3.3%	-33.2%
315	Apparel	\$167	\$170	\$200	\$206	\$227	\$205	\$257	\$232	\$197	53.9%	18.0%
322	Paper	\$2,128	\$2,252	\$2,028	\$2,293	\$2,213	\$2,272	\$2,239	\$1,814	\$1,499	5.2%	-29.6%
323	Printing & related support activities	\$1,747	\$1,949	\$2,040	\$2,100	\$2,078	\$1,947	\$1,876	\$1,716	\$1,543	7.4%	-11.7%
324	Petroleum & coal products	\$2,852	\$2,560	\$2,832	\$3,425	\$3,702	\$3,611	\$2,413	\$1,856	\$4,771	-15.4%	67.3%
325	Chemical	\$6,837	\$7,926	\$7,988	\$8,296	\$6,983	\$7,260	\$8,809	\$7,255	\$7,287	28.8%	6.6%
326	Plastics & rubber products	\$4,847	\$5,354	\$5,382	\$5,527	\$5,490	\$4,692	\$5,170	\$3,991	\$3,539	6.7%	-27.0%
42	Wholesale trade	\$23,429	\$23,496	\$24,781	\$26,093	\$26,279	\$27,056	\$28,062	\$28,186	\$29,039	19.8%	23.9%
44-45	Retail trade	\$31,362	\$32,178	\$33,016	\$32,198	\$31,987	\$30,606	\$30,705	\$28,396	\$27,877	-2.1%	-11.1%
48-49p	Transportation & warehousing ²	\$11,309	\$11,275	\$11,953	\$12,896	\$14,150	\$14,846	\$14,758	\$14,901	\$12,538	30.5%	10.9%
481	Air transportation	\$593	\$797	\$1,138	\$1,265	\$1,404	\$1,439	\$1,400	\$1,460	\$1,278	136.1%	115.5%
482	Rail transportation	\$1,015	\$944	\$994	\$1,033	\$1,013	\$993	\$949	\$931	\$813	-6.5%	-19.9%
483	Water transportation	\$169	\$127	\$111	\$99	\$143	\$191	\$178	\$184	\$149	5.3%	-11.8%
484	Truck transportation	\$4,979	\$4,957	\$5,098	\$5,474	\$5,908	\$6,143	\$6,211	\$6,092	\$5,003	24.7%	0.5%
485	Transit & ground passenger transportation	\$317	\$338	\$326	\$346	\$333	\$337	\$355	\$339	\$319	12.0%	0.6%
486	Pipeline transportation	\$93	\$116	\$115	\$119	\$135	\$124	\$145	\$174	\$150	55.9%	61.3%
487-8, 492	Other transportation & support activities	\$3,080	\$2,878	\$2,897	\$3,078	\$3,383	\$3,577	\$3,336	\$3,528	\$2,891	8.3%	-6.1%
493	Warehousing & storage	\$1,115	\$1,142	\$1,278	\$1,494	\$1,831	\$2,050	\$2,199	\$2,195	\$1,919	97.2%	72.1%
51	Information	\$9,744	\$11,107	\$11,531	\$12,694	\$13,491	\$12,723	\$13,744	\$14,293	\$13,790	41.1%	41.5%
511	Publishing including software	\$2,719	\$3,548	\$3,886	\$4,581	\$4,825	\$3,959	\$4,270	\$4,441	\$4,099	57.0%	50.8%
512	Motion picture & sound recording industries	\$343	\$337	\$328	\$325	\$312	\$314	\$309	\$290	\$281	-9.9%	-18.1%
513	Broadcasting & telecommunications	\$5,765	\$5,892	\$5,877	\$6,283	\$6,963	\$7,000	\$8,101	\$8,356	\$8,219	40.5%	42.6%
514	Information & data processing svcs.	\$877	\$1,320	\$1,439	\$1,513	\$1,391	\$1,463	\$1,077	\$1,225	\$1,228	22.8%	40.0%

Table A5: Ohio's Gross Domestic Product by Industry, 2001-2009 (in millions of chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Percent Change 2001-2007	Percent Change 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p		
52	Finance & insurance	\$32,732	\$33,970	\$34,969	\$35,306	\$37,776	\$37,370	\$37,326	\$37,205	\$40,111	14.0%	22.5%
521-2	Federal Reserve, credit intermediation, etc.	\$16,691	\$19,570	\$20,491	\$19,914	\$21,749	\$20,831	\$19,592	\$20,865	\$20,967	17.4%	25.6%
523	Securities, commodity contracts, investments	\$2,666	\$2,397	\$2,179	\$2,006	\$2,267	\$2,394	\$1,951	\$1,688	\$1,854	-26.8%	-30.5%
524	Insurance carriers & related activities	\$13,387	\$11,800	\$12,065	\$13,182	\$13,515	\$13,808	\$15,386	\$14,206	\$16,804	14.9%	25.5%
525	Funds, trusts & other financial vehicles	\$202	\$206	\$205	\$211	\$244	\$330	\$404	\$478	\$544	100.0%	169.3%
53	Real estate, rental & leasing	\$50,064	\$49,167	\$48,308	\$47,066	\$46,219	\$45,395	\$46,245	\$46,959	\$46,893	-7.6%	-6.3%
531	Real estate	\$44,275	\$43,400	\$43,337	\$42,385	\$41,520	\$40,084	\$41,372	\$42,286	\$42,226	-6.6%	-4.6%
532-3	Rental & leasing svcs., leasing intangible assets	\$5,821	\$5,802	\$4,975	\$4,680	\$4,698	\$5,315	\$4,868	\$4,664	\$4,658	-16.4%	-20.0%
54	Professional & technical svcs.	\$21,680	\$22,084	\$22,226	\$23,242	\$23,626	\$24,160	\$24,996	\$25,872	\$25,116	15.3%	15.8%
5411	Legal svcs.	\$4,791	\$4,903	\$4,749	\$4,787	\$4,607	\$4,278	\$4,281	\$4,283	\$4,063	-10.6%	-15.2%
5415	Computer systems design & related svcs.	\$2,976	\$2,987	\$3,200	\$3,568	\$3,883	\$4,326	\$4,977	\$5,328	\$5,406	67.2%	81.7%
5412-4, 6-9	Other professional, scientific & technical svcs.	\$13,974	\$14,268	\$14,310	\$14,897	\$15,136	\$15,565	\$15,778	\$16,326	\$15,747	12.9%	12.7%
55	Management of companies & enterprises	\$10,390	\$12,134	\$12,440	\$12,226	\$12,321	\$12,502	\$11,722	\$12,511	\$12,181	12.8%	17.2%
56	Administrative & waste svcs.	\$11,106	\$11,133	\$12,124	\$12,329	\$13,117	\$13,134	\$13,754	\$13,874	\$12,146	23.8%	9.4%
561	Administrative & support svcs.	\$9,762	\$9,797	\$10,594	\$10,826	\$11,581	\$11,787	\$12,421	\$12,520	\$10,939	27.2%	12.1%
562	Waste management & remediation svcs.	\$1,344	\$1,336	\$1,532	\$1,503	\$1,536	\$1,347	\$1,332	\$1,352	\$1,205	-0.9%	-10.3%
61	Educational svcs.	\$3,474	\$3,542	\$3,559	\$3,648	\$3,559	\$3,656	\$3,576	\$3,602	\$3,539	2.9%	1.9%
62	Health care & social assistance	\$31,774	\$32,548	\$33,640	\$34,592	\$35,135	\$36,155	\$36,000	\$37,116	\$37,375	13.3%	17.6%
621	Ambulatory health care svcs.	\$13,679	\$14,224	\$14,780	\$15,252	\$15,764	\$16,410	\$16,315	\$16,712	\$17,038	19.3%	24.6%
622-3	Hospitals & nursing & residential care facilities	\$15,986	\$16,158	\$16,642	\$17,096	\$17,037	\$17,353	\$17,187	\$17,813	\$17,764	7.5%	11.1%
624	Social assistance	\$2,130	\$2,171	\$2,221	\$2,247	\$2,333	\$2,393	\$2,499	\$2,590	\$2,580	17.3%	21.1%
71	Arts, entertainment & recreation	\$3,160	\$3,170	\$3,108	\$3,078	\$3,041	\$3,103	\$3,163	\$3,067	\$2,837	0.1%	-10.2%
711-2	Performing arts, museums & related activities	\$1,687	\$1,711	\$1,700	\$1,605	\$1,569	\$1,600	\$1,655	\$1,629	\$1,517	-1.9%	-10.1%
713	Amusements, gambling & recreation	\$1,475	\$1,462	\$1,412	\$1,474	\$1,472	\$1,503	\$1,507	\$1,435	\$1,317	2.2%	-10.7%
72	Accommodation & food svcs.	\$10,149	\$10,187	\$10,489	\$10,759	\$10,704	\$10,555	\$10,699	\$9,926	\$8,986	5.4%	-11.5%
721	Accommodation	\$1,555	\$1,612	\$1,601	\$1,650	\$1,634	\$1,577	\$1,582	\$1,521	\$1,433	1.7%	-7.8%
722	Food services & drinking places	\$8,596	\$8,574	\$8,887	\$9,109	\$9,070	\$8,978	\$9,117	\$8,405	\$7,556	6.1%	-12.1%
81	Other svcs., except government	\$11,754	\$11,982	\$11,613	\$11,586	\$11,200	\$10,787	\$10,675	\$10,001	\$9,255	-9.2%	-21.3%
92	Government	\$49,258	\$50,012	\$49,778	\$49,029	\$48,489	\$47,392	\$46,628	\$46,768	\$46,667	-5.3%	-5.3%
92a & b	Federal government	\$9,813	\$9,980	\$10,067	\$9,890	\$9,668	\$9,423	\$9,332	\$9,402	\$9,607	-4.9%	-2.1%
92a	Civilian ³	\$8,024	\$7,980	\$7,841	\$7,637	\$7,432	\$7,373	\$7,394	\$7,369	\$7,374	-7.9%	-8.1%
92b	Military	\$1,789	\$2,000	\$2,226	\$2,253	\$2,236	\$2,050	\$1,938	\$2,033	\$2,233	8.3%	24.8%
92c	State & local	\$39,412	\$40,012	\$39,709	\$39,139	\$38,821	\$37,971	\$37,301	\$37,367	\$37,059	-5.4%	-6.0%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009	
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ¹			
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
11-81	Private industries	88.31%	88.38%	88.54%	88.92%	89.10%	89.25%	89.47%	89.26%	88.79%	1.16%	0.48%	
11	Agriculture, forestry, fishing & hunting	0.46%	0.45%	0.48%	0.55%	0.53%	0.57%	0.51%	0.57%	0.83%	0.05%	0.37%	
111-2	Crop & animal production (farms)	0.40%	0.39%	0.42%	0.49%	0.47%	0.51%	0.45%	0.52%	0.76%	0.05%	0.36%	
113-5	Forestry, fishing & related activities	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.07%	0.06%	0.06%	0.01%	0.00%	
21	Mining	0.72%	0.66%	0.55%	0.52%	0.40%	0.38%	0.35%	0.34%	0.47%	-0.37%	-0.25%	
211	Oil & gas extraction	0.23%	0.40%	0.25%	0.22%	0.16%	0.17%	0.15%	0.12%	0.19%	-0.08%	-0.04%	
212	Mining, except oil & gas	0.39%	0.25%	0.25%	0.22%	0.18%	0.16%	0.14%	0.14%	0.19%	-0.25%	-0.20%	
213	Support activities for mining	0.05%	0.04%	0.05%	0.08%	0.06%	0.05%	0.06%	0.07%	0.09%	0.01%	0.04%	
22	Utilities	1.83%	1.78%	1.73%	1.65%	1.54%	1.52%	1.76%	1.89%	1.79%	-0.07%	-0.04%	
23	Construction	5.15%	4.76%	4.56%	4.32%	3.92%	3.61%	3.30%	3.07%	2.73%	-1.86%	-2.42%	
31-33	Manufacturing	18.11%	18.59%	18.27%	19.12%	19.15%	19.17%	19.11%	17.75%	15.55%	1.00%	-2.56%	
32p & 33	Durable goods	11.70%	11.90%	11.72%	12.45%	12.84%	12.74%	12.44%	12.24%	9.21%	0.74%	-2.50%	
321	Wood products	0.27%	0.28%	0.21%	0.25%	0.23%	0.23%	0.26%	0.25%	0.22%	-0.01%	-0.05%	
327	Nonmetallic mineral products	0.73%	0.75%	0.72%	0.64%	0.57%	0.48%	0.48%	0.48%	0.46%	-0.25%	-0.27%	
331	Primary metals	1.69%	1.53%	1.34%	1.45%	1.51%	1.15%	1.10%	1.12%	0.80%	-0.59%	-0.88%	
332	Fabricated metal products	2.22%	2.15%	2.25%	2.32%	2.28%	2.44%	2.40%	2.57%	1.81%	0.18%	-0.41%	
333	Machinery	1.45%	1.28%	1.29%	1.42%	1.55%	1.51%	1.58%	1.55%	1.14%	0.13%	-0.30%	
334	Computer & electronic products	0.30%	0.28%	0.30%	0.44%	0.65%	0.73%	0.78%	0.84%	0.71%	0.48%	0.41%	
335	Electrical equipment & appliances	0.83%	0.85%	1.03%	0.88%	0.89%	0.82%	0.78%	0.86%	0.80%	-0.05%	-0.03%	
336	Transportation equipment	3.70%	4.05%	3.87%	4.24%	4.34%	4.60%	4.30%	3.79%	2.57%	0.61%	-1.13%	
3361-3	Motor vehicles, bodies, trailers & parts	2.70%	3.19%	3.04%	3.41%	3.48%	3.73%	3.34%	2.86%	1.74%	0.64%	-0.96%	
3364-9	Other transportation equipment	1.00%	0.86%	0.83%	0.82%	0.86%	0.87%	0.97%	0.93%	0.83%	-0.03%	-0.17%	
337	Furniture & related products	0.34%	0.35%	0.34%	0.34%	0.37%	0.36%	0.35%	0.26%	0.19%	0.01%	-0.15%	
339	Miscellaneous mfg.	0.45%	0.48%	0.43%	0.48%	0.46%	0.49%	0.47%	0.48%	0.44%	0.02%	-0.01%	
31 & 32p	Nondurable goods ¹	6.42%	6.71%	6.56%	6.68%	6.31%	6.43%	6.65%	5.56%	6.20%	0.24%	-0.21%	
311-2	Food products	1.85%	1.84%	1.72%	1.63%	1.57%	1.84%	1.94%	1.67%	1.73%	0.09%	-0.12%	
313-4	Textile & textile product mills	0.11%	0.10%	0.08%	0.10%	0.09%	0.08%	0.10%	0.10%	0.07%	-0.01%	-0.04%	
315	Apparel	0.04%	0.04%	0.05%	0.05%	0.05%	0.05%	0.06%	0.05%	0.05%	0.02%	0.01%	
322	Paper	0.51%	0.52%	0.47%	0.52%	0.50%	0.52%	0.51%	0.42%	0.36%	0.00%	-0.15%	
323	Printing & related support activities	0.42%	0.45%	0.47%	0.47%	0.47%	0.44%	0.42%	0.39%	0.37%	0.01%	-0.05%	
324	Petroleum & coal products	0.68%	0.60%	0.65%	0.77%	0.83%	0.82%	0.55%	0.43%	1.14%	-0.13%	0.46%	
325	Chemical	1.63%	1.84%	1.84%	1.88%	1.57%	1.65%	1.99%	1.67%	1.75%	0.36%	0.12%	
326	Plastics & rubber products	1.15%	1.25%	1.24%	1.25%	1.23%	1.06%	1.17%	0.92%	0.85%	0.02%	-0.30%	
42	Wholesale trade	5.57%	5.47%	5.71%	5.90%	5.91%	6.14%	6.34%	6.47%	6.96%	0.77%	1.39%	
44-45	Retail trade	7.46%	7.49%	7.61%	7.28%	7.19%	6.94%	6.94%	6.52%	6.68%	-0.52%	-0.78%	
48-49p	Transportation & warehousing ²	2.69%	2.62%	2.75%	2.92%	3.18%	3.37%	3.33%	3.42%	3.00%	0.64%	0.31%	
481	Air transportation	0.14%	0.19%	0.26%	0.29%	0.32%	0.33%	0.32%	0.34%	0.31%	0.18%	0.17%	
482	Rail transportation	0.24%	0.22%	0.23%	0.23%	0.23%	0.23%	0.21%	0.21%	0.19%	-0.03%	-0.05%	
483	Water transportation	0.04%	0.03%	0.03%	0.02%	0.03%	0.04%	0.04%	0.04%	0.04%	0.00%	0.00%	
484	Truck transportation	1.18%	1.15%	1.17%	1.24%	1.33%	1.39%	1.40%	1.40%	1.20%	0.22%	0.01%	
485	Transit & ground passenger transportation	0.08%	0.08%	0.08%	0.08%	0.07%	0.08%	0.08%	0.08%	0.08%	0.00%	0.00%	
486	Pipeline transportation	0.02%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	0.04%	0.01%	0.01%	
487-8, 492	Other transportation & support activities	0.73%	0.67%	0.67%	0.70%	0.76%	0.81%	0.75%	0.81%	0.69%	0.02%	-0.04%	
493	Warehousing & storage	0.27%	0.27%	0.29%	0.34%	0.41%	0.47%	0.50%	0.50%	0.46%	0.23%	0.19%	
51	Information	2.32%	2.58%	2.66%	2.87%	3.03%	2.89%	3.11%	3.28%	3.30%	0.79%	0.99%	
511	Publishing including software	0.65%	0.83%	0.90%	1.04%	1.08%	0.90%	0.96%	1.02%	0.98%	0.32%	0.34%	
512	Motion picture & sound recording industries	0.08%	0.08%	0.08%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	-0.01%	-0.01%	
513	Broadcasting & telecommunications	1.37%	1.37%	1.35%	1.42%	1.57%	1.59%	1.83%	1.92%	1.97%	0.46%	0.60%	
514	Information & data processing svcs.	0.21%	0.31%	0.33%	0.34%	0.31%	0.33%	0.24%	0.28%	0.29%	0.03%	0.09%	

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^P		
52	Finance & insurance	7.79%	7.90%	8.06%	7.98%	8.49%	8.48%	8.43%	8.54%	9.61%	0.65%	1.83%
521-2	Federal Reserve, credit intermediation, etc.	3.97%	4.55%	4.72%	4.50%	4.89%	4.73%	4.43%	4.79%	5.02%	0.46%	1.05%
523	Securities, commodity contracts, investments	0.63%	0.56%	0.50%	0.45%	0.51%	0.54%	0.44%	0.39%	0.44%	-0.19%	-0.19%
524	Insurance carriers & related activities	3.18%	2.75%	2.78%	2.98%	3.04%	3.13%	3.48%	3.26%	4.03%	0.29%	0.84%
525	Funds, trusts & other financial vehicles	0.05%	0.05%	0.05%	0.05%	0.05%	0.07%	0.09%	0.11%	0.13%	0.04%	0.08%
53	Real estate, rental & leasing	11.91%	11.44%	11.13%	10.64%	10.39%	10.30%	10.45%	10.78%	11.24%	-1.46%	-0.67%
531	Real estate	10.53%	10.10%	9.99%	9.58%	9.34%	9.10%	9.35%	9.71%	10.12%	-1.18%	-0.41%
532-3	Rental & leasing svcs., leasing intangible assets	1.38%	1.35%	1.15%	1.06%	1.06%	1.21%	1.10%	1.07%	1.12%	-0.28%	-0.27%
54	Professional & technical svcs.	5.16%	5.14%	5.12%	5.25%	5.31%	5.48%	5.65%	5.94%	6.02%	0.49%	0.86%
5411	Legal svcs.	1.14%	1.14%	1.09%	1.08%	1.04%	0.97%	0.97%	0.98%	0.97%	-0.17%	-0.17%
5415	Computer systems design & related svcs.	0.71%	0.70%	0.74%	0.81%	0.87%	0.98%	1.12%	1.22%	1.30%	0.42%	0.59%
5412-4, 6-9	Other professional, scientific & technical svcs.	3.32%	3.32%	3.30%	3.37%	3.40%	3.53%	3.56%	3.75%	3.77%	0.24%	0.45%
55	Management of companies & enterprises	2.47%	2.82%	2.87%	2.76%	2.77%	2.84%	2.65%	2.87%	2.92%	0.18%	0.45%
56	Administrative & waste svcs.	2.64%	2.59%	2.79%	2.79%	2.95%	2.98%	3.11%	3.18%	2.91%	0.47%	0.27%
561	Administrative & support svcs.	2.32%	2.28%	2.44%	2.45%	2.60%	2.67%	2.81%	2.87%	2.62%	0.48%	0.30%
562	Waste management & remediation svcs.	0.32%	0.31%	0.35%	0.34%	0.35%	0.31%	0.30%	0.31%	0.29%	-0.02%	-0.03%
61	Educational svcs.	0.83%	0.82%	0.82%	0.82%	0.80%	0.83%	0.81%	0.83%	0.85%	-0.02%	0.02%
62	Health care & social assistance	7.56%	7.57%	7.75%	7.82%	7.90%	8.20%	8.13%	8.52%	8.96%	0.58%	1.40%
621	Ambulatory health care svcs.	3.25%	3.31%	3.41%	3.45%	3.54%	3.72%	3.69%	3.84%	4.08%	0.43%	0.83%
622-3	Hospitals & nursing & residential care facilities	3.80%	3.76%	3.83%	3.87%	3.83%	3.94%	3.88%	4.09%	4.26%	0.08%	0.45%
624	Social assistance	0.51%	0.51%	0.51%	0.51%	0.52%	0.54%	0.56%	0.59%	0.62%	0.06%	0.11%
71	Arts, entertainment & recreation	0.75%	0.74%	0.72%	0.70%	0.68%	0.70%	0.71%	0.70%	0.68%	-0.04%	-0.07%
711-2	Performing arts, museums & related activities	0.40%	0.40%	0.39%	0.36%	0.35%	0.36%	0.37%	0.37%	0.36%	-0.03%	-0.04%
713	Amusements, gambling & recreation	0.35%	0.34%	0.33%	0.33%	0.33%	0.34%	0.34%	0.33%	0.32%	-0.01%	-0.04%
72	Accommodation & food svcs.	2.41%	2.37%	2.42%	2.43%	2.41%	2.40%	2.42%	2.28%	2.15%	0.00%	-0.26%
721	Accommodation	0.37%	0.38%	0.37%	0.37%	0.37%	0.36%	0.36%	0.35%	0.34%	-0.01%	-0.03%
722	Food services & drinking places	2.04%	2.00%	2.05%	2.06%	2.04%	2.04%	2.06%	1.93%	1.81%	0.02%	-0.23%
81	Other svcs., except government	2.80%	2.79%	2.68%	2.62%	2.52%	2.45%	2.41%	2.30%	2.22%	-0.38%	-0.58%
92	Government	11.72%	11.64%	11.47%	11.08%	10.90%	10.75%	10.53%	10.73%	11.18%	-1.18%	-0.53%
92a & b	Federal government	2.33%	2.32%	2.32%	2.24%	2.17%	2.14%	2.11%	2.16%	2.30%	-0.23%	-0.03%
92a	Civilian ³	1.91%	1.86%	1.81%	1.73%	1.67%	1.67%	1.67%	1.69%	1.77%	-0.24%	-0.14%
92b	Military	0.43%	0.47%	0.51%	0.51%	0.50%	0.47%	0.44%	0.47%	0.54%	0.01%	0.11%
92c	State & local	9.38%	9.31%	9.15%	8.85%	8.73%	8.62%	8.43%	8.58%	8.88%	-0.95%	-0.49%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A7: U.S. Gross Domestic Product by Industry, 2001-2009 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹
11-92	All Industries*	\$10,218,000	\$10,572,400	\$11,067,800	\$11,788,900	\$12,554,500	\$13,310,900	\$13,969,300	\$14,270,500	\$14,014,800
11-81	Private industries	\$9,010,770	\$9,289,350	\$9,706,820	\$10,360,100	\$11,052,500	\$11,731,100	\$12,301,900	\$12,514,000	\$12,196,500
11	Agriculture, forestry, fishing & hunting	\$98,554	\$94,405	\$115,556	\$142,729	\$127,075	\$122,488	\$144,742	\$160,131	\$133,137
111-2	Crop & animal production (farms)	\$76,214	\$72,304	\$92,412	\$118,254	\$102,018	\$93,050	\$114,893	\$131,142	\$103,964
113-5	Forestry, fishing & related activities	\$22,340	\$22,101	\$23,144	\$24,475	\$25,057	\$29,438	\$29,848	\$28,989	\$29,174
21	Mining	\$119,296	\$109,462	\$134,761	\$159,309	\$192,043	\$228,996	\$254,174	\$317,067	\$240,843
211	Oil & gas extraction	\$72,914	\$66,598	\$89,248	\$106,609	\$128,622	\$147,777	\$162,897	\$210,836	\$141,671
212	Mining, except oil & gas	\$27,567	\$27,552	\$27,988	\$31,049	\$36,250	\$40,715	\$41,893	\$47,856	\$48,941
213	Support activities for mining	\$18,815	\$15,312	\$17,525	\$21,652	\$27,170	\$40,504	\$49,384	\$58,376	\$50,230
22	Utilities	\$177,579	\$180,973	\$191,852	\$208,001	\$205,669	\$236,166	\$248,797	\$262,628	\$268,107
23	Construction	\$490,525	\$494,328	\$515,929	\$554,433	\$611,652	\$651,096	\$657,227	\$623,396	\$537,460
31-33	Manufacturing	\$1,343,930	\$1,355,540	\$1,374,010	\$1,482,690	\$1,568,040	\$1,651,490	\$1,698,900	\$1,647,590	\$1,584,830
32p & 33	Durable goods	\$758,754	\$767,751	\$766,154	\$822,039	\$877,646	\$923,114	\$942,758	\$927,269	\$867,200
321	Wood products	\$27,541	\$27,277	\$28,277	\$31,699	\$33,009	\$30,160	\$28,236	\$25,095	\$20,866
327	Nonmetallic mineral products	\$40,714	\$41,446	\$40,479	\$42,658	\$45,340	\$45,416	\$44,408	\$39,369	\$38,160
331	Primary metals	\$39,551	\$41,352	\$37,811	\$52,151	\$53,679	\$59,741	\$58,991	\$61,525	\$43,409
332	Fabricated metal products	\$110,035	\$105,210	\$104,332	\$112,698	\$120,398	\$125,555	\$134,304	\$135,085	\$121,900
333	Machinery	\$103,119	\$95,897	\$92,849	\$100,436	\$109,501	\$116,551	\$125,340	\$125,332	\$112,658
334	Computer & electronic products	\$128,239	\$132,573	\$136,948	\$159,635	\$183,273	\$200,024	\$196,382	\$204,053	\$206,428
335	Electrical equipment & appliances	\$42,970	\$42,568	\$42,465	\$38,938	\$39,883	\$45,564	\$45,806	\$50,639	\$51,678
336	Transportation equipment	\$177,259	\$188,658	\$190,642	\$184,770	\$188,652	\$189,053	\$195,769	\$176,744	\$168,865
3361-3	Motor vehicles, bodies, trailers & parts	\$107,684	\$121,309	\$125,550	\$117,583	\$112,622	\$107,561	\$103,388	\$81,071	\$78,160
3364-9	Other transportation equipment	\$69,575	\$67,349	\$65,092	\$67,187	\$76,030	\$81,492	\$92,381	\$95,673	\$90,705
337	Furniture & related products	\$31,744	\$31,280	\$30,334	\$31,132	\$34,305	\$36,559	\$34,727	\$28,789	\$24,218
339	Miscellaneous mfg.	\$57,583	\$61,489	\$62,016	\$67,921	\$69,606	\$74,492	\$78,795	\$80,637	\$79,018
31 & 32p	Nondurable goods ¹	\$585,176	\$587,786	\$607,858	\$660,650	\$690,391	\$728,372	\$756,142	\$720,322	\$717,634
311-2	Food products	\$173,463	\$176,942	\$174,005	\$168,938	\$172,106	\$181,408	\$179,915	\$181,158	\$206,098
313-4	Textile & textile product mills	\$25,282	\$24,094	\$19,410	\$26,761	\$23,469	\$21,160	\$21,707	\$22,429	\$17,649
315	Apparel	\$18,953	\$18,269	\$16,414	\$16,432	\$16,025	\$15,539	\$14,943	\$13,535	\$11,670
322	Paper	\$53,722	\$53,531	\$49,844	\$54,190	\$53,814	\$59,303	\$58,610	\$53,808	\$56,130
323	Printing & related support activities	\$38,890	\$37,437	\$36,753	\$36,951	\$37,487	\$37,939	\$38,507	\$36,984	\$32,814
324	Petroleum & coal products	\$59,698	\$44,927	\$77,499	\$106,271	\$139,270	\$139,964	\$149,725	\$151,929	\$120,049
325	Chemical	\$153,163	\$169,567	\$171,402	\$186,801	\$182,650	\$207,932	\$223,229	\$201,128	\$216,488
326	Plastics & rubber products	\$62,005	\$63,018	\$62,532	\$64,305	\$65,570	\$65,128	\$69,506	\$59,351	\$56,735
42	Wholesale trade	\$613,304	\$614,892	\$638,065	\$684,499	\$725,284	\$769,564	\$813,295	\$822,894	\$780,784
44-45	Retail trade	\$703,893	\$731,156	\$768,924	\$794,696	\$838,780	\$875,041	\$886,112	\$840,221	\$819,648
48-49p	Transportation & warehousing ²	\$302,591	\$302,405	\$319,754	\$347,033	\$369,667	\$395,480	\$405,412	\$418,738	\$389,498
481	Air transportation	\$45,195	\$46,796	\$53,231	\$56,082	\$55,672	\$59,702	\$60,177	\$61,014	\$61,858
482	Rail transportation	\$22,576	\$21,740	\$23,121	\$24,349	\$26,965	\$30,619	\$31,729	\$34,845	\$30,833
483	Water transportation	\$8,233	\$7,409	\$8,336	\$8,706	\$9,283	\$12,353	\$13,528	\$14,832	\$14,300
484	Truck transportation	\$97,801	\$97,196	\$101,997	\$110,214	\$118,913	\$125,322	\$127,015	\$124,680	\$113,087
485	Transit & ground passenger transportation	\$18,447	\$19,198	\$19,641	\$20,894	\$21,237	\$22,583	\$24,036	\$23,423	\$23,373
486	Pipeline transportation	\$14,700	\$10,340	\$10,227	\$11,461	\$10,367	\$11,288	\$12,445	\$16,242	\$12,017
487-8, 492	Other transportation & support activities	\$70,335	\$73,383	\$75,986	\$83,889	\$91,936	\$96,408	\$96,509	\$101,989	\$94,679
493	Warehousing & storage	\$25,303	\$26,343	\$27,214	\$31,438	\$35,296	\$37,205	\$39,973	\$41,714	\$39,351
51	Information	\$451,078	\$499,693	\$508,606	\$564,125	\$592,563	\$593,274	\$633,339	\$652,525	\$639,350
511	Publishing including software	\$100,072	\$121,772	\$127,979	\$140,834	\$151,201	\$133,894	\$151,243	\$155,443	\$147,729
512	Motion picture & sound recording industries	\$47,504	\$51,613	\$48,164	\$56,278	\$56,339	\$59,631	\$62,730	\$60,979	\$59,755
513	Broadcasting & telecommunications	\$267,286	\$267,916	\$268,631	\$288,979	\$311,432	\$317,613	\$347,676	\$359,087	\$355,836
514	Information & data processing svcs.	\$36,215	\$58,393	\$63,831	\$78,034	\$73,591	\$82,137	\$71,690	\$77,015	\$76,030

Table A7: U.S. Gross Domestic Product by Industry, 2001-2009 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p
52	Finance & insurance	\$838,678	\$863,537	\$903,149	\$929,246	\$1,028,520	\$1,105,550	\$1,110,430	\$1,100,400	\$1,171,610
521-2	Federal Reserve, credit intermediation, etc.	\$376,573	\$436,009	\$461,626	\$433,262	\$470,686	\$483,515	\$476,862	\$514,256	\$514,048
523	Securities, commodity contracts, investments	\$178,174	\$153,512	\$139,840	\$143,974	\$182,989	\$214,507	\$199,730	\$188,893	\$175,200
524	Insurance carriers & related activities	\$260,391	\$248,565	\$272,985	\$319,575	\$337,524	\$367,354	\$392,366	\$350,925	\$424,539
525	Funds, trusts & other financial vehicles	\$23,540	\$25,451	\$28,697	\$32,436	\$37,316	\$40,173	\$41,475	\$46,324	\$57,825
53	Real estate, rental & leasing	\$1,316,110	\$1,358,740	\$1,412,990	\$1,480,420	\$1,577,940	\$1,672,070	\$1,780,830	\$1,874,460	\$1,868,670
531	Real estate	\$1,163,930	\$1,210,900	\$1,267,750	\$1,337,590	\$1,424,880	\$1,488,630	\$1,595,120	\$1,688,910	\$1,686,530
532-3	Rental & leasing srvcs., leasing intangible assets	\$152,188	\$147,841	\$145,242	\$142,831	\$153,060	\$183,447	\$185,710	\$185,545	\$182,148
54	Professional & technical srvcs.	\$701,126	\$718,942	\$745,479	\$810,498	\$875,641	\$952,161	\$1,028,740	\$1,093,580	\$1,068,510
5411	Legal srvcs.	\$147,957	\$153,874	\$163,531	\$180,701	\$194,498	\$201,858	\$215,320	\$225,606	\$219,167
5415	Computer systems design & related srvcs.	\$116,245	\$109,835	\$109,653	\$117,740	\$129,320	\$144,278	\$160,868	\$170,617	\$169,610
5412-4, 6-9	Other professional, scientific & technical srvcs.	\$436,924	\$455,234	\$472,295	\$512,056	\$551,823	\$606,024	\$652,548	\$697,360	\$679,729
55	Management of companies & enterprises	\$174,551	\$178,324	\$192,219	\$203,093	\$217,681	\$234,251	\$257,291	\$260,118	\$246,472
56	Administrative & waste srvcs.	\$294,995	\$301,044	\$321,676	\$333,229	\$368,495	\$385,019	\$414,487	\$415,062	\$386,292
561	Administrative & support srvcs.	\$266,163	\$270,403	\$287,870	\$298,975	\$331,251	\$350,384	\$375,652	\$374,149	\$347,579
562	Waste management & remediation srvcs.	\$28,831	\$30,641	\$33,806	\$34,254	\$37,244	\$34,635	\$38,835	\$40,913	\$38,712
61	Educational srvcs.	\$88,692	\$98,855	\$106,063	\$115,996	\$120,070	\$128,661	\$137,305	\$146,990	\$154,913
62	Health care & social assistance	\$640,500	\$690,943	\$741,200	\$790,375	\$833,337	\$886,516	\$940,990	\$1,001,910	\$1,057,950
621	Ambulatory health care srvcs.	\$313,504	\$335,271	\$357,840	\$381,365	\$406,077	\$432,339	\$458,181	\$486,116	\$514,240
622-3	Hospitals & nursing & residential care facilities	\$272,008	\$296,068	\$318,996	\$341,188	\$354,447	\$377,740	\$399,958	\$428,805	\$452,728
624	Social assistance	\$54,989	\$59,605	\$64,363	\$67,822	\$72,813	\$76,436	\$82,850	\$86,988	\$90,980
71	Arts, entertainment & recreation	\$94,816	\$102,140	\$105,752	\$113,289	\$117,274	\$126,570	\$134,429	\$135,179	\$127,297
711-2	Performing arts, museums & related activities	\$49,826	\$55,338	\$59,005	\$62,235	\$63,802	\$68,144	\$72,421	\$73,182	\$70,947
713	Amusements, gambling & recreation	\$44,990	\$46,802	\$46,747	\$51,054	\$53,472	\$58,426	\$62,008	\$61,997	\$56,350
72	Accommodation & food srvcs.	\$296,358	\$309,010	\$321,166	\$343,425	\$364,307	\$384,705	\$410,773	\$400,186	\$385,760
721	Accommodation	\$91,314	\$92,764	\$93,791	\$100,593	\$108,681	\$113,594	\$123,172	\$118,070	\$108,657
722	Food services & drinking places	\$205,044	\$216,246	\$227,376	\$242,831	\$255,626	\$271,111	\$287,601	\$282,116	\$277,102
81	Other srvcs., except government	\$264,193	\$284,966	\$289,672	\$302,980	\$318,454	\$332,009	\$344,622	\$340,878	\$335,401
92	Government	\$1,207,250	\$1,283,040	\$1,360,940	\$1,428,840	\$1,502,060	\$1,579,830	\$1,667,430	\$1,756,510	\$1,818,320
92a & b	Federal government	\$316,936	\$346,656	\$372,911	\$399,571	\$417,965	\$438,526	\$459,811	\$481,614	\$507,342
92a	Civilian ³	\$218,101	\$235,853	\$247,661	\$264,134	\$271,046	\$283,598	\$295,434	\$303,965	\$317,473
92b	Military	\$98,835	\$110,803	\$125,250	\$135,437	\$146,919	\$154,928	\$164,377	\$177,649	\$189,869
92c	State & local	\$890,311	\$936,385	\$988,027	\$1,029,270	\$1,084,100	\$1,141,310	\$1,207,610	\$1,274,900	\$1,310,970

Notes: * - components may not sum to totals due to rounding; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; srvcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
11-81	Private industries	88.19%	87.86%	87.70%	87.88%	88.04%	88.13%	88.06%	87.69%	87.03%
11	Agriculture, forestry, fishing & hunting	0.96%	0.89%	1.04%	1.21%	1.01%	0.92%	1.04%	1.12%	0.95%
111-2	Crop & animal production (farms)	0.75%	0.68%	0.83%	1.00%	0.81%	0.70%	0.82%	0.92%	0.74%
113-5	Forestry, fishing & related activities	0.22%	0.21%	0.21%	0.21%	0.20%	0.22%	0.21%	0.20%	0.21%
21	Mining	1.17%	1.04%	1.22%	1.35%	1.53%	1.72%	1.82%	2.22%	1.72%
211	Oil & gas extraction	0.71%	0.63%	0.81%	0.90%	1.02%	1.11%	1.17%	1.48%	1.01%
212	Mining, except oil & gas	0.27%	0.26%	0.25%	0.26%	0.29%	0.31%	0.30%	0.34%	0.35%
213	Support activities for mining	0.18%	0.14%	0.16%	0.18%	0.22%	0.30%	0.35%	0.41%	0.36%
22	Utilities	1.74%	1.71%	1.73%	1.76%	1.64%	1.77%	1.78%	1.84%	1.91%
23	Construction	4.80%	4.68%	4.66%	4.70%	4.87%	4.89%	4.70%	4.37%	3.83%
31-33	Manufacturing	13.15%	12.82%	12.41%	12.58%	12.49%	12.41%	12.16%	11.55%	11.31%
32p & 33	Durable goods	7.43%	7.26%	6.92%	6.97%	6.99%	6.94%	6.75%	6.50%	6.19%
321	Wood products	0.27%	0.26%	0.26%	0.27%	0.26%	0.23%	0.20%	0.18%	0.15%
327	Nonmetallic mineral products	0.40%	0.33%	0.37%	0.36%	0.36%	0.34%	0.32%	0.28%	0.27%
331	Primary metals	0.39%	0.39%	0.34%	0.44%	0.43%	0.45%	0.42%	0.43%	0.31%
332	Fabricated metal products	1.08%	1.00%	0.94%	0.96%	0.96%	0.94%	0.96%	0.95%	0.87%
333	Machinery	1.01%	0.91%	0.84%	0.85%	0.87%	0.88%	0.90%	0.88%	0.80%
334	Computer & electronic products	1.26%	1.25%	1.24%	1.35%	1.46%	1.50%	1.41%	1.43%	1.47%
335	Electrical equipment & appliances	0.42%	0.40%	0.38%	0.33%	0.32%	0.34%	0.33%	0.35%	0.37%
336	Transportation equipment	1.73%	1.78%	1.72%	1.57%	1.50%	1.42%	1.40%	1.24%	1.20%
3361-3	Motor vehicles, bodies, trailers & parts	1.05%	1.15%	1.13%	1.00%	0.90%	0.81%	0.74%	0.57%	0.56%
3364-9	Other transportation equipment	0.68%	0.64%	0.59%	0.57%	0.61%	0.61%	0.66%	0.67%	0.65%
337	Furniture & related products	0.31%	0.30%	0.27%	0.26%	0.27%	0.27%	0.25%	0.20%	0.17%
339	Miscellaneous mfg.	0.56%	0.58%	0.56%	0.58%	0.55%	0.56%	0.56%	0.57%	0.56%
31 & 32p	Nondurable goods ¹	5.73%	5.56%	5.49%	5.60%	5.50%	5.47%	5.41%	5.05%	5.12%
311-2	Food products	1.70%	1.67%	1.57%	1.43%	1.37%	1.36%	1.29%	1.27%	1.47%
313-4	Textile & textile product mills	0.25%	0.23%	0.18%	0.23%	0.19%	0.16%	0.16%	0.16%	0.13%
315	Apparel	0.19%	0.17%	0.15%	0.14%	0.13%	0.12%	0.11%	0.09%	0.08%
322	Paper	0.53%	0.51%	0.45%	0.46%	0.43%	0.45%	0.42%	0.38%	0.40%
323	Printing & related support activities	0.38%	0.35%	0.33%	0.31%	0.30%	0.29%	0.28%	0.26%	0.23%
324	Petroleum & coal products	0.58%	0.42%	0.70%	0.90%	1.11%	1.05%	1.07%	1.06%	0.86%
325	Chemical	1.50%	1.60%	1.55%	1.58%	1.45%	1.56%	1.60%	1.41%	1.54%
326	Plastics & rubber products	0.61%	0.60%	0.56%	0.55%	0.52%	0.49%	0.50%	0.42%	0.40%
42	Wholesale trade	6.00%	5.82%	5.77%	5.81%	5.78%	5.78%	5.82%	5.77%	5.57%
44-45	Retail trade	6.89%	6.92%	6.95%	6.74%	6.68%	6.57%	6.34%	5.89%	5.85%
48-49p	Transportation & warehousing ²	2.96%	2.86%	2.89%	2.94%	2.94%	2.97%	2.90%	2.93%	2.78%
481	Air transportation	0.44%	0.44%	0.48%	0.48%	0.44%	0.45%	0.43%	0.43%	0.44%
482	Rail transportation	0.22%	0.21%	0.21%	0.21%	0.21%	0.23%	0.23%	0.24%	0.22%
483	Water transportation	0.08%	0.07%	0.08%	0.07%	0.07%	0.09%	0.10%	0.10%	0.10%
484	Truck transportation	0.96%	0.92%	0.92%	0.93%	0.95%	0.94%	0.91%	0.87%	0.81%
485	Transit & ground passenger transportation	0.18%	0.18%	0.18%	0.18%	0.17%	0.17%	0.17%	0.16%	0.17%
486	Pipeline transportation	0.14%	0.10%	0.09%	0.10%	0.08%	0.08%	0.09%	0.11%	0.09%
487-8, 492	Other transportation & support activities	0.69%	0.69%	0.69%	0.71%	0.73%	0.72%	0.69%	0.71%	0.68%
493	Warehousing & storage	0.25%	0.25%	0.25%	0.27%	0.28%	0.28%	0.29%	0.29%	0.28%
51	Information	4.41%	4.73%	4.60%	4.79%	4.72%	4.46%	4.53%	4.57%	4.56%
511	Publishing including software	0.98%	1.15%	1.16%	1.19%	1.20%	1.01%	1.08%	1.09%	1.05%
512	Motion picture & sound recording industries	0.46%	0.49%	0.44%	0.48%	0.45%	0.45%	0.45%	0.43%	0.43%
513	Broadcasting & telecommunications	2.62%	2.53%	2.43%	2.45%	2.48%	2.39%	2.49%	2.52%	2.54%
514	Information & data processing svcs.	0.35%	0.55%	0.58%	0.66%	0.59%	0.62%	0.51%	0.54%	0.54%

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product								
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^e
52	Finance & insurance	8.21%	8.17%	8.16%	7.88%	8.19%	8.31%	7.95%	7.71%	8.36%
521-2	Federal Reserve, credit intermediation, etc.	3.69%	4.12%	4.17%	3.68%	3.75%	3.63%	3.41%	3.60%	3.67%
523	Securities, commodity contracts, investments	1.74%	1.45%	1.26%	1.22%	1.46%	1.61%	1.43%	1.32%	1.25%
524	Insurance carriers & related activities	2.55%	2.35%	2.47%	2.71%	2.69%	2.76%	2.81%	2.46%	3.03%
525	Funds, trusts & other financial vehicles	0.23%	0.24%	0.26%	0.28%	0.30%	0.30%	0.30%	0.32%	0.41%
53	Real estate, rental & leasing	12.88%	12.85%	12.77%	12.56%	12.57%	12.56%	12.75%	13.14%	13.33%
531	Real estate	11.39%	11.45%	11.45%	11.35%	11.35%	11.18%	11.42%	11.83%	12.03%
532-3	Rental & leasing svcs., leasing intangible assets	1.49%	1.40%	1.31%	1.21%	1.22%	1.38%	1.33%	1.30%	1.30%
54	Professional & technical svcs.	6.86%	6.80%	6.74%	6.88%	6.97%	7.15%	7.36%	7.66%	7.62%
5411	Legal svcs.	1.45%	1.46%	1.48%	1.53%	1.55%	1.52%	1.54%	1.58%	1.56%
5415	Computer systems design & related svcs.	1.14%	1.04%	0.99%	1.00%	1.03%	1.08%	1.15%	1.20%	1.21%
5412-4, 6-9	Other professional, scientific & technical svcs.	4.28%	4.31%	4.27%	4.34%	4.40%	4.55%	4.67%	4.89%	4.85%
55	Management of companies & enterprises	1.71%	1.69%	1.74%	1.72%	1.73%	1.76%	1.84%	1.82%	1.76%
56	Administrative & waste svcs.	2.89%	2.85%	2.91%	2.83%	2.94%	2.89%	2.97%	2.91%	2.76%
561	Administrative & support svcs.	2.60%	2.56%	2.60%	2.54%	2.64%	2.63%	2.69%	2.62%	2.48%
562	Waste management & remediation svcs.	0.28%	0.29%	0.31%	0.29%	0.30%	0.26%	0.28%	0.29%	0.28%
61	Educational svcs.	0.87%	0.94%	0.96%	0.98%	0.96%	0.97%	0.98%	1.03%	1.11%
62	Health care & social assistance	6.27%	6.54%	6.70%	6.70%	6.64%	6.66%	6.74%	7.02%	7.55%
621	Ambulatory health care svcs.	3.07%	3.17%	3.23%	3.23%	3.23%	3.25%	3.28%	3.41%	3.67%
622-3	Hospitals & nursing & residential care facilities	2.66%	2.80%	2.88%	2.89%	2.82%	2.84%	2.86%	3.00%	3.23%
624	Social assistance	0.54%	0.56%	0.58%	0.58%	0.58%	0.57%	0.59%	0.61%	0.65%
71	Arts, entertainment & recreation	0.93%	0.97%	0.96%	0.96%	0.93%	0.95%	0.96%	0.95%	0.91%
711-2	Performing arts, museums & related activities	0.49%	0.52%	0.53%	0.53%	0.51%	0.51%	0.52%	0.51%	0.51%
713	Amusements, gambling & recreation	0.44%	0.44%	0.42%	0.43%	0.43%	0.44%	0.44%	0.43%	0.40%
72	Accommodation & food svcs.	2.90%	2.92%	2.90%	2.91%	2.90%	2.89%	2.94%	2.80%	2.75%
721	Accommodation	0.89%	0.88%	0.85%	0.85%	0.87%	0.85%	0.88%	0.83%	0.78%
722	Food services & drinking places	2.01%	2.05%	2.05%	2.06%	2.04%	2.04%	2.06%	1.98%	1.98%
81	Other svcs., except government	2.59%	2.70%	2.62%	2.57%	2.54%	2.49%	2.47%	2.39%	2.39%
92	Government	11.81%	12.14%	12.30%	12.12%	11.96%	11.87%	11.94%	12.31%	12.97%
92a & b	Federal government	3.10%	3.28%	3.37%	3.39%	3.33%	3.29%	3.29%	3.37%	3.62%
92a	Civilian ³	2.13%	2.23%	2.24%	2.24%	2.16%	2.13%	2.11%	2.13%	2.27%
92b	Military	0.97%	1.05%	1.13%	1.15%	1.17%	1.16%	1.18%	1.24%	1.35%
92c	State & local	8.71%	8.86%	8.93%	8.73%	8.64%	8.57%	8.64%	8.93%	9.35%

Notes: * - components may not sum to totals due to rounding; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A9: U.S. Gross Domestic Product by Industry, 2001-2009 (in millions of chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Percent Change 2001-2007	Percent Change 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ⁹		
11-92	All Industries*	\$11,364,200	\$11,560,300	\$11,807,800	\$12,212,600	\$12,554,500	\$12,895,900	\$13,143,700	\$13,100,000	\$12,773,900	15.7%	12.4%
11-81	Private industries	\$9,911,300	\$10,079,100	\$10,315,700	\$10,713,900	\$11,052,500	\$11,385,500	\$11,623,600	\$11,546,300	\$11,197,600	17.3%	13.0%
11	Agriculture, forestry, fishing & hunting	\$100,231	\$104,323	\$115,244	\$122,706	\$127,075	\$128,072	\$118,569	\$129,366	\$136,180	18.3%	35.9%
111-2	Crop & animal production (farms)	\$77,731	\$81,172	\$91,551	\$97,915	\$102,018	\$99,131	\$90,348	\$102,346	\$108,543	16.2%	39.6%
113-5	Forestry, fishing & related activities	\$22,550	\$23,211	\$23,789	\$24,843	\$25,057	\$28,790	\$28,066	\$26,219	\$26,830	24.5%	19.0%
21	Mining	\$262,735	\$265,864	\$231,256	\$229,296	\$192,043	\$207,625	\$213,833	\$206,607	\$263,267	-18.6%	0.2%
211	Oil & gas extraction	\$178,352	\$201,423	\$161,039	\$156,528	\$128,622	\$146,305	\$152,560	\$137,373	\$199,577	-14.5%	11.9%
212	Mining, except oil & gas	\$44,488	\$42,575	\$41,267	\$39,112	\$36,250	\$35,168	\$31,915	\$31,631	\$35,632	-28.3%	-19.9%
213	Support activities for mining	\$38,959	\$27,812	\$29,230	\$34,248	\$27,170	\$26,752	\$29,661	\$35,562	\$35,443	-23.9%	-9.0%
22	Utilities	\$193,184	\$200,438	\$207,607	\$215,790	\$205,669	\$207,081	\$214,213	\$226,994	\$206,589	10.9%	6.9%
23	Construction	\$640,208	\$617,915	\$619,391	\$619,855	\$611,652	\$593,818	\$562,294	\$530,110	\$447,423	-12.2%	-30.1%
31-33	Manufacturing	\$1,332,120	\$1,365,340	\$1,404,830	\$1,517,860	\$1,568,040	\$1,636,590	\$1,690,410	\$1,608,640	\$1,469,700	26.9%	10.3%
32p & 33	Durable goods	\$701,933	\$728,029	\$749,468	\$817,684	\$877,646	\$937,509	\$972,263	\$982,394	\$857,366	38.5%	22.1%
321	Wood products	\$31,881	\$32,073	\$32,000	\$30,864	\$33,009	\$32,738	\$35,385	\$33,494	\$27,674	11.0%	-13.2%
327	Nonmetallic mineral products	\$43,895	\$43,605	\$43,898	\$45,746	\$45,340	\$40,121	\$39,409	\$36,684	\$32,104	-10.2%	-26.9%
331	Primary metals	\$57,194	\$60,121	\$56,348	\$60,228	\$53,679	\$46,535	\$42,686	\$43,631	\$44,937	-25.4%	-21.4%
332	Fabricated metal products	\$114,804	\$110,085	\$111,353	\$119,277	\$120,398	\$126,108	\$130,042	\$125,551	\$93,975	13.3%	-18.1%
333	Machinery	\$100,532	\$93,227	\$91,371	\$103,002	\$109,501	\$116,159	\$122,457	\$122,337	\$95,219	21.8%	-5.3%
334	Computer & electronic products	\$81,169	\$94,227	\$111,249	\$144,814	\$183,273	\$223,815	\$246,748	\$284,257	\$293,806	204.0%	262.0%
335	Electrical equipment & appliances	\$40,362	\$40,539	\$41,862	\$39,566	\$39,883	\$44,883	\$43,041	\$46,351	\$41,651	6.6%	3.2%
336	Transportation equipment	\$162,571	\$174,875	\$175,268	\$175,905	\$188,652	\$200,275	\$209,413	\$196,250	\$158,893	28.8%	-2.3%
3361-3	Motor vehicles, bodies, trailers & parts	\$84,391	\$100,516	\$106,120	\$106,475	\$112,622	\$120,963	\$119,673	\$103,331	\$76,890	41.8%	-8.9%
3364-9	Other transportation equipment	\$78,180	\$74,359	\$69,148	\$69,430	\$76,030	\$79,312	\$89,740	\$92,919	\$82,003	14.8%	4.9%
337	Furniture & related products	\$31,774	\$30,806	\$30,097	\$32,475	\$34,305	\$36,107	\$33,198	\$27,286	\$19,941	4.5%	-37.2%
339	Miscellaneous mfg.	\$57,794	\$60,610	\$60,995	\$67,936	\$69,606	\$74,211	\$77,322	\$79,330	\$73,616	33.8%	27.4%
31 & 32p	Nondurable goods ¹	\$633,055	\$638,924	\$656,977	\$701,215	\$690,391	\$699,707	\$719,069	\$634,537	\$613,145	13.6%	-3.1%
311-2	Food products	\$177,622	\$171,841	\$175,425	\$162,370	\$172,106	\$193,070	\$199,616	\$178,527	\$175,432	12.4%	-1.2%
313-4	Textile & textile product mills	\$24,142	\$23,537	\$20,500	\$27,033	\$23,469	\$20,443	\$21,516	\$21,524	\$15,611	-10.9%	-35.3%
315	Apparel	\$17,670	\$17,114	\$15,614	\$16,029	\$16,025	\$15,670	\$15,049	\$13,626	\$11,699	-14.8%	-33.8%
322	Paper	\$50,386	\$51,077	\$49,820	\$55,358	\$53,814	\$54,829	\$52,924	\$46,031	\$42,219	5.0%	-16.2%
323	Printing & related support activities	\$36,840	\$37,644	\$37,180	\$37,954	\$37,487	\$36,483	\$37,466	\$37,278	\$31,811	1.7%	-13.7%
324	Petroleum & coal products	\$84,948	\$80,517	\$112,190	\$144,068	\$139,270	\$120,904	\$115,228	\$115,728	\$128,195	35.6%	50.9%
325	Chemical	\$164,571	\$178,711	\$177,301	\$193,132	\$182,650	\$201,561	\$216,650	\$170,180	\$164,046	31.6%	-0.3%
326	Plastics & rubber products	\$61,354	\$61,819	\$62,650	\$66,327	\$65,570	\$59,082	\$64,796	\$53,793	\$45,131	5.6%	-26.4%
42	Wholesale trade	\$636,356	\$642,402	\$681,206	\$717,796	\$725,284	\$747,454	\$789,031	\$788,177	\$810,457	24.0%	27.4%
44-45	Retail trade	\$774,855	\$800,435	\$818,550	\$818,841	\$838,780	\$854,155	\$865,419	\$805,284	\$789,739	11.7%	1.9%
48-49p	Transportation & warehousing ²	\$306,778	\$302,587	\$317,852	\$346,768	\$369,667	\$386,148	\$389,512	\$392,751	\$341,590	27.0%	11.3%
481	Air transportation	\$37,794	\$41,808	\$48,718	\$54,897	\$55,672	\$57,489	\$57,103	\$54,785	\$50,165	51.1%	32.7%
482	Rail transportation	\$26,067	\$24,188	\$25,722	\$26,877	\$26,965	\$27,284	\$27,006	\$26,689	\$22,673	3.6%	-13.0%
483	Water transportation	\$6,146	\$4,868	\$4,838	\$6,152	\$9,283	\$14,876	\$18,128	\$21,980	\$22,347	195.0%	263.6%
484	Truck transportation	\$101,707	\$99,013	\$102,687	\$110,172	\$118,913	\$125,280	\$127,856	\$124,479	\$104,983	25.7%	3.2%
485	Transit & ground passenger transportation	\$20,929	\$21,082	\$20,634	\$21,491	\$21,237	\$21,876	\$22,754	\$21,957	\$20,335	8.7%	-2.8%
486	Pipeline transportation	\$13,396	\$9,097	\$9,451	\$10,805	\$10,367	\$9,809	\$10,350	\$13,648	\$9,154	-22.7%	-31.7%
487-8, 492	Other transportation & support activities	\$74,609	\$75,865	\$78,019	\$85,055	\$91,936	\$93,752	\$90,051	\$93,353	\$80,056	20.7%	7.3%
493	Warehousing & storage	\$27,230	\$28,004	\$28,706	\$31,574	\$35,296	\$36,609	\$37,975	\$38,318	\$35,451	39.5%	30.2%
51	Information	\$426,446	\$473,700	\$485,834	\$549,489	\$592,563	\$598,279	\$649,186	\$675,720	\$658,843	52.2%	54.5%
511	Publishing including software	\$97,801	\$117,275	\$123,927	\$141,230	\$151,201	\$131,205	\$148,501	\$152,054	\$141,251	51.8%	44.4%
512	Motion picture & sound recording industries	\$51,960	\$54,577	\$51,406	\$58,131	\$56,339	\$58,415	\$59,583	\$57,530	\$56,057	14.7%	7.9%
513	Broadcasting & telecommunications	\$241,266	\$246,343	\$249,042	\$273,528	\$311,432	\$326,410	\$363,678	\$383,036	\$380,206	50.7%	57.6%
514	Information & data processing svcs.	\$34,964	\$55,874	\$61,565	\$77,072	\$73,591	\$82,643	\$77,756	\$84,259	\$83,212	122.4%	138.0%

Table A9: U.S. Gross Domestic Product by Industry, 2001-2009 (in millions of chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Percent Change 2001-2007	Percent Change 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p		
52	Finance & insurance	\$937,251	\$935,428	\$947,901	\$947,824	\$1,028,520	\$1,097,120	\$1,073,500	\$1,031,100	\$1,094,030	14.5%	16.7%
521-2	Federal Reserve, credit intermediation, etc.	\$408,647	\$452,517	\$467,444	\$434,123	\$470,686	\$486,128	\$471,165	\$487,535	\$491,774	15.3%	20.3%
523	Securities, commodity contracts, investments	\$200,958	\$173,977	\$156,335	\$150,448	\$182,989	\$208,113	\$175,740	\$152,542	\$149,141	-12.5%	-25.8%
524	Insurance carriers & related activities	\$311,540	\$284,974	\$295,546	\$330,975	\$337,524	\$361,269	\$384,013	\$347,336	\$403,822	23.3%	29.6%
525	Funds, trusts & other financial vehicles	\$20,983	\$24,246	\$27,438	\$32,333	\$37,316	\$41,369	\$44,082	\$47,907	\$56,585	110.1%	169.7%
53	Real estate, rental & leasing	\$1,462,170	\$1,458,980	\$1,482,080	\$1,517,770	\$1,577,940	\$1,619,410	\$1,689,510	\$1,731,450	\$1,700,780	15.5%	16.3%
531	Real estate	\$1,291,610	\$1,293,460	\$1,324,990	\$1,370,650	\$1,424,880	\$1,440,010	\$1,509,590	\$1,559,580	\$1,532,690	16.9%	18.7%
532-3	Rental & leasing svcs., leasing intangible assets	\$171,369	\$166,178	\$157,306	\$147,122	\$153,060	\$179,532	\$179,923	\$171,674	\$167,881	5.0%	-2.0%
54	Professional & technical svcs.	\$768,265	\$778,473	\$790,515	\$837,486	\$875,641	\$916,565	\$943,863	\$983,561	\$950,534	22.9%	23.7%
5411	Legal svcs.	\$178,593	\$178,778	\$183,349	\$191,273	\$194,498	\$191,584	\$190,822	\$188,633	\$176,454	6.8%	-1.2%
5415	Computer systems design & related svcs.	\$103,324	\$100,252	\$103,930	\$116,172	\$129,320	\$143,310	\$159,233	\$171,271	\$173,491	54.1%	67.9%
5412-4, 6-9	Other professional, scientific & technical svcs.	\$486,540	\$500,506	\$504,051	\$530,279	\$551,823	\$581,873	\$594,799	\$625,701	\$604,026	22.3%	24.1%
55	Management of companies & enterprises	\$224,112	\$225,323	\$225,893	\$221,081	\$217,681	\$219,847	\$216,813	\$222,031	\$217,302	-3.3%	-3.0%
56	Administrative & waste svcs.	\$310,737	\$309,125	\$331,715	\$335,086	\$368,495	\$374,587	\$389,105	\$391,714	\$348,288	25.2%	12.1%
561	Administrative & support svcs.	\$278,344	\$276,221	\$296,500	\$300,264	\$331,251	\$340,691	\$352,190	\$354,078	\$313,833	26.5%	12.8%
562	Waste management & remediation svcs.	\$32,367	\$32,920	\$35,231	\$34,828	\$37,244	\$33,887	\$36,924	\$37,643	\$34,435	14.1%	6.4%
61	Educational svcs.	\$114,209	\$119,721	\$120,398	\$123,459	\$120,070	\$121,005	\$121,824	\$123,883	\$122,107	6.7%	6.9%
62	Health care & social assistance	\$731,073	\$761,045	\$789,112	\$813,919	\$833,337	\$864,223	\$880,799	\$918,769	\$932,479	20.5%	27.5%
621	Ambulatory health care svcs.	\$342,372	\$360,296	\$375,010	\$389,420	\$406,077	\$426,732	\$432,892	\$452,299	\$462,205	26.4%	35.0%
622-3	Hospitals & nursing & residential care facilities	\$325,760	\$335,418	\$345,754	\$354,053	\$354,447	\$363,850	\$371,114	\$388,011	\$391,485	13.9%	20.2%
624	Social assistance	\$63,378	\$65,511	\$68,461	\$70,502	\$72,813	\$73,712	\$76,823	\$78,511	\$78,944	21.2%	24.6%
71	Arts, entertainment & recreation	\$106,903	\$112,177	\$111,966	\$116,678	\$117,274	\$122,962	\$126,419	\$124,437	\$114,705	18.3%	7.3%
711-2	Performing arts, museums & related activities	\$58,397	\$62,776	\$64,136	\$65,179	\$63,802	\$65,709	\$66,112	\$65,163	\$61,636	13.2%	5.5%
713	Amusements, gambling & recreation	\$48,407	\$49,412	\$47,934	\$51,530	\$53,472	\$57,263	\$60,377	\$59,336	\$53,002	24.7%	9.5%
72	Accommodation & food svcs.	\$329,054	\$331,799	\$342,115	\$355,782	\$364,307	\$373,102	\$377,173	\$355,987	\$324,036	14.6%	-1.5%
721	Accommodation	\$98,353	\$99,234	\$100,283	\$105,030	\$108,681	\$110,289	\$112,229	\$105,744	\$98,769	14.1%	0.4%
722	Food services & drinking places	\$230,689	\$232,553	\$241,819	\$250,746	\$255,626	\$262,811	\$264,939	\$250,239	\$225,396	14.8%	-2.3%
81	Other svcs., except government	\$310,354	\$320,132	\$314,949	\$317,309	\$318,454	\$318,802	\$319,451	\$304,209	\$283,529	2.9%	-8.6%
92	Government	\$1,453,000	\$1,481,130	\$1,492,340	\$1,497,410	\$1,502,060	\$1,510,720	\$1,521,720	\$1,553,440	\$1,565,230	4.7%	7.7%
92a & b	Federal government	\$408,315	\$417,220	\$421,762	\$422,254	\$417,965	\$417,597	\$417,645	\$428,291	\$445,715	2.3%	9.2%
92a	Civilian ³	\$272,904	\$277,287	\$276,019	\$274,720	\$271,046	\$272,491	\$272,821	\$276,453	\$283,333	0.0%	3.8%
92b	Military	\$135,411	\$139,933	\$145,743	\$147,534	\$146,919	\$145,106	\$144,824	\$151,838	\$162,382	7.0%	19.9%
92c	State & local	\$1,044,170	\$1,063,580	\$1,070,540	\$1,075,170	\$1,084,100	\$1,093,150	\$1,104,140	\$1,125,030	\$1,119,430	5.7%	7.2%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009	
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ¹			
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
11-81	Private industries	87.22%	87.19%	87.36%	87.73%	88.04%	88.29%	88.43%	88.14%	87.66%	1.22%	0.44%	
11	Agriculture, forestry, fishing & hunting	0.88%	0.90%	0.98%	1.00%	1.01%	0.99%	0.90%	0.99%	1.07%	0.02%	0.18%	
111-2	Crop & animal production (farms)	0.68%	0.70%	0.78%	0.80%	0.81%	0.77%	0.69%	0.78%	0.85%	0.00%	0.17%	
113-5	Forestry, fishing & related activities	0.20%	0.20%	0.20%	0.20%	0.20%	0.22%	0.21%	0.20%	0.21%	0.02%	0.01%	
21	Mining	2.31%	2.30%	1.96%	1.88%	1.53%	1.61%	1.63%	1.58%	2.06%	-0.69%	-0.25%	
211	Oil & gas extraction	1.57%	1.74%	1.36%	1.28%	1.02%	1.13%	1.16%	1.05%	1.56%	-0.41%	-0.01%	
212	Mining, except oil & gas	0.39%	0.37%	0.35%	0.32%	0.29%	0.27%	0.24%	0.24%	0.28%	-0.15%	-0.11%	
213	Support activities for mining	0.34%	0.24%	0.25%	0.28%	0.22%	0.21%	0.23%	0.27%	0.28%	-0.12%	-0.07%	
22	Utilities	1.70%	1.73%	1.76%	1.77%	1.64%	1.61%	1.63%	1.73%	1.62%	-0.07%	-0.08%	
23	Construction	5.63%	5.35%	5.25%	5.08%	4.87%	4.60%	4.28%	4.05%	3.50%	-1.36%	-2.13%	
31-33	Manufacturing	11.72%	11.81%	11.90%	12.43%	12.49%	12.69%	12.86%	12.28%	11.51%	1.14%	-0.22%	
32p & 33	Durable goods	6.18%	6.30%	6.35%	6.70%	6.99%	7.27%	7.40%	7.50%	6.71%	1.22%	0.54%	
321	Wood products	0.28%	0.28%	0.27%	0.25%	0.26%	0.25%	0.27%	0.26%	0.22%	-0.01%	-0.06%	
327	Nonmetallic mineral products	0.39%	0.38%	0.37%	0.37%	0.36%	0.31%	0.30%	0.28%	0.25%	-0.09%	-0.13%	
331	Primary metals	0.50%	0.52%	0.48%	0.49%	0.43%	0.36%	0.32%	0.33%	0.35%	-0.18%	-0.15%	
332	Fabricated metal products	1.01%	0.95%	0.94%	0.98%	0.96%	0.98%	0.99%	0.96%	0.74%	-0.02%	-0.27%	
333	Machinery	0.88%	0.81%	0.77%	0.84%	0.87%	0.90%	0.93%	0.93%	0.75%	0.05%	-0.14%	
334	Computer & electronic products	0.71%	0.82%	0.94%	1.19%	1.46%	1.74%	1.88%	2.17%	2.30%	1.16%	1.59%	
335	Electrical equipment & appliances	0.36%	0.35%	0.35%	0.32%	0.32%	0.35%	0.33%	0.35%	0.33%	-0.03%	-0.03%	
336	Transportation equipment	1.43%	1.51%	1.48%	1.44%	1.50%	1.55%	1.59%	1.50%	1.24%	0.16%	-0.19%	
3361-3	Motor vehicles, bodies, trailers & parts	0.74%	0.87%	0.90%	0.87%	0.90%	0.94%	0.91%	0.79%	0.60%	0.17%	-0.14%	
3364-9	Other transportation equipment	0.69%	0.64%	0.59%	0.57%	0.61%	0.62%	0.68%	0.71%	0.64%	-0.01%	-0.05%	
337	Furniture & related products	0.28%	0.27%	0.25%	0.27%	0.27%	0.28%	0.25%	0.21%	0.16%	-0.03%	-0.12%	
339	Miscellaneous mfg.	0.51%	0.52%	0.52%	0.56%	0.55%	0.58%	0.59%	0.61%	0.58%	0.08%	0.07%	
31 & 32p	Nondurable goods ¹	5.57%	5.53%	5.56%	5.74%	5.50%	5.43%	5.47%	4.84%	4.80%	-0.10%	-0.77%	
311-2	Food products	1.56%	1.49%	1.49%	1.33%	1.37%	1.50%	1.52%	1.36%	1.37%	-0.04%	-0.19%	
313-4	Textile & textile product mills	0.21%	0.20%	0.17%	0.22%	0.19%	0.16%	0.16%	0.16%	0.12%	-0.05%	-0.09%	
315	Apparel	0.16%	0.15%	0.13%	0.13%	0.13%	0.12%	0.11%	0.10%	0.09%	-0.04%	-0.06%	
322	Paper	0.44%	0.44%	0.42%	0.45%	0.43%	0.43%	0.40%	0.35%	0.33%	-0.04%	-0.11%	
323	Printing & related support activities	0.32%	0.33%	0.31%	0.31%	0.30%	0.28%	0.29%	0.28%	0.25%	-0.04%	-0.08%	
324	Petroleum & coal products	0.75%	0.70%	0.95%	1.18%	1.11%	0.94%	0.88%	0.88%	1.00%	0.13%	0.26%	
325	Chemical	1.45%	1.55%	1.50%	1.58%	1.45%	1.56%	1.65%	1.30%	1.28%	0.20%	-0.16%	
326	Plastics & rubber products	0.54%	0.53%	0.53%	0.54%	0.52%	0.46%	0.49%	0.41%	0.35%	-0.05%	-0.19%	
42	Wholesale trade	5.60%	5.56%	5.77%	5.88%	5.78%	5.80%	6.00%	6.02%	6.34%	0.40%	0.74%	
44-45	Retail trade	6.82%	6.92%	6.93%	6.70%	6.68%	6.62%	6.58%	6.15%	6.18%	-0.23%	-0.64%	
48-49p	Transportation & warehousing ²	2.70%	2.62%	2.69%	2.84%	2.94%	2.99%	2.96%	3.00%	2.67%	0.26%	-0.03%	
481	Air transportation	0.33%	0.36%	0.41%	0.45%	0.44%	0.45%	0.43%	0.42%	0.39%	0.10%	0.06%	
482	Rail transportation	0.23%	0.21%	0.22%	0.22%	0.21%	0.21%	0.21%	0.20%	0.18%	-0.02%	-0.05%	
483	Water transportation	0.05%	0.04%	0.04%	0.05%	0.07%	0.12%	0.14%	0.17%	0.17%	0.08%	0.12%	
484	Truck transportation	0.89%	0.86%	0.87%	0.90%	0.95%	0.97%	0.97%	0.95%	0.82%	0.08%	-0.07%	
485	Transit & ground passenger transportation	0.18%	0.18%	0.17%	0.18%	0.17%	0.17%	0.17%	0.17%	0.16%	-0.01%	-0.02%	
486	Pipeline transportation	0.12%	0.08%	0.08%	0.09%	0.08%	0.08%	0.08%	0.10%	0.07%	-0.04%	-0.05%	
487-8, 492	Other transportation & support activities	0.66%	0.66%	0.66%	0.70%	0.73%	0.73%	0.69%	0.71%	0.63%	0.03%	-0.03%	
493	Warehousing & storage	0.24%	0.24%	0.24%	0.26%	0.28%	0.28%	0.29%	0.29%	0.28%	0.05%	0.04%	
51	Information	3.75%	4.10%	4.11%	4.50%	4.72%	4.64%	4.94%	5.16%	5.16%	1.19%	1.41%	
511	Publishing including software	0.86%	1.01%	1.05%	1.16%	1.20%	1.02%	1.13%	1.16%	1.11%	0.27%	0.25%	
512	Motion picture & sound recording industries	0.46%	0.47%	0.44%	0.48%	0.45%	0.45%	0.45%	0.44%	0.44%	0.00%	-0.02%	
513	Broadcasting & telecommunications	2.12%	2.13%	2.11%	2.24%	2.48%	2.53%	2.77%	2.92%	2.98%	0.64%	0.85%	
514	Information & data processing svcs.	0.31%	0.48%	0.52%	0.63%	0.59%	0.64%	0.59%	0.64%	0.65%	0.28%	0.34%	

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^P		
52	Finance & insurance	8.25%	8.09%	8.03%	7.76%	8.19%	8.51%	8.17%	7.87%	8.56%	-0.08%	0.32%
521-2	Federal Reserve, credit intermediation, etc.	3.60%	3.91%	3.96%	3.55%	3.75%	3.77%	3.58%	3.72%	3.85%	-0.01%	0.25%
523	Securities, commodity contracts, investments	1.77%	1.50%	1.32%	1.23%	1.46%	1.61%	1.34%	1.16%	1.17%	-0.43%	-0.60%
524	Insurance carriers & related activities	2.74%	2.47%	2.50%	2.71%	2.69%	2.80%	2.92%	2.65%	3.16%	0.18%	0.42%
525	Funds, trusts & other financial vehicles	0.18%	0.21%	0.23%	0.26%	0.30%	0.32%	0.34%	0.37%	0.44%	0.15%	0.26%
53	Real estate, rental & leasing	12.87%	12.62%	12.55%	12.43%	12.57%	12.56%	12.85%	13.22%	13.31%	-0.01%	0.45%
531	Real estate	11.37%	11.19%	11.22%	11.22%	11.35%	11.17%	11.49%	11.91%	12.00%	0.12%	0.63%
532-3	Rental & leasing svcs., leasing intangible assets	1.51%	1.44%	1.33%	1.20%	1.22%	1.39%	1.37%	1.31%	1.31%	-0.14%	-0.19%
54	Professional & technical svcs.	6.76%	6.73%	6.69%	6.86%	6.97%	7.11%	7.18%	7.51%	7.44%	0.42%	0.68%
5411	Legal svcs.	1.57%	1.55%	1.55%	1.57%	1.55%	1.49%	1.45%	1.44%	1.38%	-0.12%	-0.19%
5415	Computer systems design & related svcs.	0.91%	0.87%	0.88%	0.95%	1.03%	1.11%	1.21%	1.31%	1.36%	0.30%	0.45%
5412-4, 6-9	Other professional, scientific & technical svcs.	4.28%	4.33%	4.27%	4.34%	4.40%	4.51%	4.53%	4.78%	4.73%	0.24%	0.45%
55	Management of companies & enterprises	1.97%	1.95%	1.91%	1.81%	1.73%	1.70%	1.65%	1.69%	1.70%	-0.32%	-0.27%
56	Administrative & waste svcs.	2.73%	2.67%	2.81%	2.74%	2.94%	2.90%	2.96%	2.99%	2.73%	0.23%	-0.01%
561	Administrative & support svcs.	2.45%	2.39%	2.51%	2.46%	2.64%	2.64%	2.68%	2.70%	2.46%	0.23%	0.01%
562	Waste management & remediation svcs.	0.28%	0.28%	0.30%	0.29%	0.30%	0.26%	0.28%	0.29%	0.27%	0.00%	-0.02%
61	Educational svcs.	1.00%	1.04%	1.02%	1.01%	0.96%	0.94%	0.93%	0.95%	0.96%	-0.08%	-0.05%
62	Health care & social assistance	6.43%	6.58%	6.68%	6.66%	6.64%	6.70%	6.70%	7.01%	7.30%	0.27%	0.87%
621	Ambulatory health care svcs.	3.01%	3.12%	3.18%	3.19%	3.23%	3.31%	3.29%	3.45%	3.62%	0.28%	0.61%
622-3	Hospitals & nursing & residential care facilities	2.87%	2.90%	2.93%	2.90%	2.82%	2.82%	2.82%	2.96%	3.06%	-0.04%	0.20%
624	Social assistance	0.56%	0.57%	0.58%	0.58%	0.58%	0.57%	0.58%	0.60%	0.62%	0.03%	0.06%
71	Arts, entertainment & recreation	0.94%	0.97%	0.95%	0.96%	0.93%	0.95%	0.96%	0.95%	0.90%	0.02%	-0.04%
711-2	Performing arts, museums & related activities	0.51%	0.54%	0.54%	0.53%	0.51%	0.51%	0.50%	0.50%	0.48%	-0.01%	-0.03%
713	Amusements, gambling & recreation	0.43%	0.43%	0.41%	0.42%	0.43%	0.44%	0.46%	0.45%	0.41%	0.03%	-0.01%
72	Accommodation & food svcs.	2.90%	2.87%	2.90%	2.91%	2.90%	2.89%	2.87%	2.72%	2.54%	-0.03%	-0.36%
721	Accommodation	0.87%	0.86%	0.85%	0.86%	0.87%	0.86%	0.85%	0.81%	0.77%	-0.01%	-0.09%
722	Food services & drinking places	2.03%	2.01%	2.05%	2.05%	2.04%	2.04%	2.02%	1.91%	1.76%	-0.01%	-0.27%
81	Other svcs., except government	2.73%	2.77%	2.67%	2.60%	2.54%	2.47%	2.43%	2.32%	2.22%	-0.30%	-0.51%
92	Government	12.79%	12.81%	12.64%	12.26%	11.96%	11.71%	11.58%	11.86%	12.25%	-1.21%	-0.53%
92a & b	Federal government	3.59%	3.61%	3.57%	3.46%	3.33%	3.24%	3.18%	3.27%	3.49%	-0.42%	-0.10%
92a	Civilian ³	2.40%	2.40%	2.34%	2.25%	2.16%	2.11%	2.08%	2.11%	2.22%	-0.33%	-0.18%
92b	Military	1.19%	1.21%	1.23%	1.21%	1.17%	1.13%	1.10%	1.16%	1.27%	-0.09%	0.08%
92c	State & local	9.19%	9.20%	9.07%	8.80%	8.64%	8.48%	8.40%	8.59%	8.76%	-0.79%	-0.42%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009	
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p			
11-92	All Industries	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11-81	Private industries	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.00	0.00
11	Agriculture, forestry, fishing & hunting	0.52	0.50	0.49	0.55	0.52	0.58	0.57	0.58	0.78	0.05	0.26	
111-2	Crop & animal production (farms)	0.58	0.56	0.54	0.61	0.58	0.66	0.65	0.66	0.90	0.07	0.31	
113-5	Forestry, fishing & related activities	0.31	0.29	0.29	0.29	0.29	0.29	0.31	0.28	0.30	0.01	0.00	
21	Mining	0.31	0.29	0.28	0.28	0.26	0.24	0.21	0.21	0.23	-0.10	-0.08	
211	Oil & gas extraction	0.15	0.23	0.19	0.17	0.16	0.15	0.13	0.11	0.12	-0.02	-0.02	
212	Mining, except oil & gas	0.98	0.68	0.71	0.70	0.63	0.59	0.56	0.58	0.67	-0.42	-0.31	
213	Support activities for mining	0.15	0.18	0.21	0.28	0.29	0.26	0.26	0.27	0.32	0.11	0.17	
22	Utilities	1.08	1.03	0.99	0.94	0.94	0.95	1.08	1.09	1.11	0.01	0.03	
23	Construction	0.91	0.89	0.87	0.85	0.80	0.78	0.77	0.76	0.78	-0.14	-0.13	
31-33	Manufacturing	1.54	1.57	1.54	1.54	1.53	1.51	1.49	1.45	1.35	-0.06	-0.19	
32p & 33	Durable goods	1.89	1.89	1.85	1.86	1.84	1.75	1.68	1.63	1.37	-0.21	-0.52	
321	Wood products	0.96	1.02	0.78	0.97	0.89	0.90	0.95	0.98	1.00	0.00	0.04	
327	Nonmetallic mineral products	1.89	1.99	1.94	1.72	1.57	1.53	1.59	1.72	1.82	-0.30	-0.07	
331	Primary metals	3.35	2.95	2.80	2.94	3.52	3.18	3.38	3.38	2.28	0.03	-1.07	
332	Fabricated metal products	2.20	2.26	2.39	2.38	2.37	2.49	2.43	2.68	2.47	0.22	0.27	
333	Machinery	1.63	1.58	1.67	1.68	1.77	1.68	1.69	1.66	1.53	0.06	-0.10	
334	Computer & electronic products	0.43	0.35	0.32	0.37	0.45	0.42	0.42	0.39	0.31	-0.01	-0.12	
335	Electrical equipment & appliances	2.33	2.42	2.91	2.72	2.79	2.37	2.37	2.42	2.46	0.04	0.12	
336	Transportation equipment	2.59	2.68	2.61	2.94	2.89	2.96	2.70	2.53	2.07	0.12	-0.52	
3361-3	Motor vehicles, bodies, trailers & parts	3.63	3.67	3.38	3.91	3.88	3.98	3.67	3.63	2.89	0.03	-0.74	
3364-9	Other transportation equipment	1.45	1.33	1.42	1.45	1.43	1.42	1.42	1.31	1.29	-0.04	-0.16	
337	Furniture & related products	1.23	1.32	1.34	1.30	1.35	1.30	1.39	1.24	1.23	0.16	0.00	
339	Miscellaneous mfg.	0.88	0.92	0.82	0.86	0.83	0.85	0.80	0.80	0.76	-0.08	-0.12	
31 & 32p	Nondurable goods ¹	1.15	1.21	1.18	1.16	1.15	1.18	1.22	1.15	1.29	0.06	0.14	
311-2	Food products	1.18	1.24	1.16	1.23	1.15	1.23	1.28	1.23	1.26	0.10	0.07	
313-4	Textile & textile product mills	0.51	0.48	0.47	0.45	0.46	0.48	0.60	0.59	0.59	0.10	0.09	
315	Apparel	0.26	0.27	0.35	0.35	0.40	0.38	0.51	0.51	0.52	0.25	0.26	
322	Paper	1.14	1.19	1.11	1.14	1.16	1.21	1.26	1.18	1.09	0.11	-0.05	
323	Printing & related support activities	1.28	1.39	1.49	1.53	1.56	1.56	1.49	1.38	1.48	0.21	0.20	
324	Petroleum & coal products	0.91	0.86	0.69	0.66	0.75	0.87	0.62	0.48	1.14	-0.29	0.23	
325	Chemical	1.12	1.19	1.23	1.19	1.08	1.05	1.21	1.28	1.36	0.08	0.24	
326	Plastics & rubber products	2.14	2.33	2.34	2.30	2.36	2.32	2.37	2.23	2.40	0.23	0.26	
42	Wholesale trade	1.00	0.98	0.99	1.00	1.02	1.06	1.06	1.08	1.10	0.06	0.10	
44-45	Retail trade	1.09	1.08	1.10	1.09	1.08	1.05	1.05	1.06	1.08	-0.04	-0.01	
48-49p	Transportation & warehousing ²	1.00	1.00	1.02	1.03	1.08	1.13	1.13	1.14	1.12	0.13	0.13	
481	Air transportation	0.42	0.51	0.64	0.64	0.71	0.73	0.73	0.80	0.78	0.30	0.36	
482	Rail transportation	1.05	1.05	1.05	1.06	1.06	1.06	1.04	1.05	1.10	-0.01	0.05	
483	Water transportation	0.74	0.70	0.62	0.44	0.43	0.38	0.29	0.25	0.20	-0.45	-0.54	
484	Truck transportation	1.32	1.35	1.35	1.37	1.40	1.43	1.44	1.47	1.46	0.12	0.14	
485	Transit & ground passenger transportation	0.41	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.48	0.05	0.07	
486	Pipeline transportation	0.19	0.34	0.33	0.30	0.37	0.37	0.42	0.38	0.50	0.23	0.31	
487-8, 492	Other transportation & support activities	1.12	1.02	1.01	1.00	1.04	1.12	1.10	1.14	1.11	-0.02	-0.01	
493	Warehousing & storage	1.11	1.10	1.21	1.31	1.46	1.64	1.72	1.72	1.66	0.61	0.55	
51	Information	0.62	0.63	0.65	0.64	0.64	0.62	0.63	0.64	0.64	0.01	0.02	
511	Publishing including software	0.75	0.81	0.85	0.90	0.90	0.88	0.85	0.88	0.89	0.10	0.14	
512	Motion picture & sound recording industries	0.18	0.17	0.17	0.15	0.16	0.16	0.15	0.15	0.15	-0.02	-0.03	
513	Broadcasting & telecommunications	0.65	0.64	0.64	0.63	0.63	0.63	0.66	0.66	0.66	0.02	0.02	
514	Information & data processing svcs.	0.68	0.64	0.64	0.54	0.53	0.52	0.41	0.44	0.45	-0.27	-0.23	

Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 2001-2009 (based on chained 2005 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product									Difference 2001-2007	Difference 2001-2009
		2001	2002	2003	2004	2005	2006	2007	2008	2009 ^p		
52	Finance & insurance	0.94	0.98	1.00	1.03	1.04	1.00	1.03	1.08	1.12	0.09	0.18
521-2	Federal Reserve, credit intermediation, etc.	1.10	1.16	1.19	1.27	1.30	1.25	1.23	1.29	1.31	0.13	0.20
523	Securities, commodity contracts, investments	0.36	0.37	0.38	0.37	0.35	0.34	0.33	0.33	0.38	-0.03	0.02
524	Insurance carriers & related activities	1.16	1.11	1.11	1.10	1.13	1.12	1.19	1.23	1.27	0.03	0.11
525	Funds, trusts & other financial vehicles	0.26	0.23	0.20	0.18	0.18	0.23	0.27	0.30	0.29	0.01	0.03
53	Real estate, rental & leasing	0.93	0.91	0.89	0.86	0.83	0.82	0.81	0.82	0.84	-0.11	-0.08
531	Real estate	0.93	0.90	0.89	0.85	0.82	0.81	0.81	0.82	0.84	-0.11	-0.08
532-3	Rental & leasing svcs., leasing intangible assets	0.92	0.94	0.86	0.88	0.87	0.87	0.80	0.82	0.85	-0.11	-0.07
54	Professional & technical svcs.	0.76	0.76	0.76	0.77	0.76	0.77	0.79	0.79	0.81	0.02	0.05
5411	Legal svcs.	0.73	0.74	0.70	0.69	0.67	0.65	0.67	0.68	0.70	-0.06	-0.02
5415	Computer systems design & related svcs.	0.78	0.80	0.84	0.85	0.85	0.88	0.93	0.94	0.95	0.15	0.18
5412-4, 6-9	Other professional, scientific & technical svcs.	0.78	0.77	0.77	0.78	0.77	0.78	0.79	0.78	0.80	0.01	0.02
55	Management of companies & enterprises	1.25	1.45	1.50	1.53	1.60	1.66	1.61	1.69	1.72	0.35	0.46
56	Administrative & waste svcs.	0.97	0.97	0.99	1.02	1.00	1.03	1.05	1.06	1.07	0.08	0.10
561	Administrative & support svcs.	0.95	0.95	0.97	1.00	0.99	1.01	1.05	1.06	1.07	0.10	0.12
562	Waste management & remediation svcs.	1.12	1.09	1.18	1.19	1.16	1.16	1.07	1.08	1.07	-0.05	-0.05
61	Educational svcs.	0.82	0.80	0.80	0.82	0.84	0.88	0.87	0.87	0.89	0.05	0.06
62	Health care & social assistance	1.17	1.15	1.16	1.17	1.19	1.22	1.21	1.21	1.23	0.04	0.05
621	Ambulatory health care svcs.	1.08	1.06	1.07	1.08	1.10	1.13	1.12	1.11	1.13	0.04	0.05
622-3	Hospitals & nursing & residential care facilities	1.33	1.30	1.31	1.33	1.36	1.40	1.38	1.38	1.39	0.05	0.06
624	Social assistance	0.91	0.89	0.88	0.88	0.90	0.95	0.97	0.99	1.00	0.06	0.09
71	Arts, entertainment & recreation	0.80	0.76	0.76	0.73	0.73	0.74	0.74	0.74	0.76	-0.06	-0.04
711-2	Performing arts, museums & related activities	0.78	0.73	0.72	0.68	0.69	0.71	0.74	0.75	0.75	-0.04	-0.03
713	Amusements, gambling & recreation	0.82	0.80	0.80	0.79	0.78	0.77	0.74	0.73	0.76	-0.08	-0.06
72	Accommodation & food svcs.	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.01	0.02
721	Accommodation	0.43	0.44	0.43	0.43	0.42	0.42	0.42	0.43	0.44	-0.01	0.02
722	Food services & drinking places	1.01	0.99	1.00	1.00	1.00	1.00	1.02	1.01	1.03	0.01	0.02
81	Other svcs., except government	1.02	1.01	1.00	1.01	0.99	0.99	0.99	0.99	1.00	-0.03	-0.02
92	Government	0.92	0.91	0.91	0.90	0.91	0.92	0.91	0.91	0.91	-0.01	0.00
92a & b	Federal government	0.65	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.01	0.01
92a	Civilian ³	0.79	0.77	0.77	0.77	0.77	0.79	0.80	0.80	0.80	0.01	0.00
92b	Military	0.36	0.38	0.42	0.42	0.43	0.41	0.40	0.40	0.42	0.04	0.06
92c	State & local	1.02	1.01	1.01	1.01	1.01	1.02	1.00	1.00	1.01	-0.02	-0.01

Notes: P - preliminary; earlier years may be revised; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A12: Ohio's Gross Domestic Product by Industry - Sorted by 2009 Concentration Ratio

1997 NAICS Code Industry Titles		Concentration Ratio	GDP	Percent Change	1997 NAICS Code Industry Titles		Concentration Ratio	GDP	Percent Change
		2009 [^]	2009 [^]	2001-2009 [*]			2009 [^]	2009 [^]	2001-2009 [*]
11-92	All Industries	1.00	\$462,015	-0.7%	81	Other svcs., except government	0.99	\$10,949	-21.3%
					321	Wood products mfg.	0.99	\$679	-20.4%
3361-3	Motor vehicles, bodies, trailers & parts mfg.	2.87	\$7,383	-36.0%	5415	Computer systems design & related svcs.	0.95	\$5,285	81.7%
332	Fabricated metal products mfg.	2.44	\$9,823	-19.0%	92	Government sector summary	0.91	\$54,273	-5.3%
335	Electrical equipment & appliances mfg.	2.43	\$4,148	-4.1%	111-2	Crop & animal production (farms)	0.89	\$3,045	90.0%
326	Plastics & rubber products mfg.	2.38	\$4,449	-27.0%	511	Publishing including software	0.88	\$4,287	50.8%
331	Primary metals mfg.	2.26	\$3,230	-52.8%	61	Educational svcs.	0.88	\$4,490	1.9%
336	Transportation equipment mfg.	2.01	\$11,217	-31.0%	72	Accommodation & food svcs.	0.85	\$10,866	-11.5%
327	Nonmetallic mineral products mfg.	1.81	\$2,274	-37.6%	532-3	Rental & leasing svcs., leasing intangible assets	0.84	\$5,054	-20.0%
55	Management of companies & enterprises	1.70	\$13,816	17.2%	53	Real estate, rental & leasing	0.84	\$51,518	-6.3%
493	Warehousing & storage	1.64	\$2,130	72.1%	531	Real estate	0.84	\$46,464	-4.6%
333	Machinery mfg.	1.52	\$5,641	-21.5%	54	Professional & technical svcs.	0.80	\$28,052	15.8%
323	Printing & related support activities	1.47	\$1,592	-11.7%	5412-4, 6-9	Other professional, scientific & technical svcs.	0.79	\$17,720	12.7%
32p & 33	Durable goods mfg. subtotal	1.47	\$42,037	-21.9%	92a	Federal government - civilian ³	0.79	\$8,263	-8.1%
484	Truck transportation	1.45	\$5,389	0.5%	23	Construction	0.77	\$13,695	-47.4%
31-33	Manufacturing subtotal	1.40	\$73,154	-14.8%	481	Air transportation	0.77	\$1,576	115.5%
622-3	Hospitals & nursing & residential care facilities	1.38	\$20,543	11.1%	11	Agriculture, forestry, fishing & hunting	0.76	\$3,336	79.6%
325	Chemical mfg.	1.35	\$9,617	6.6%	339	Miscellaneous mfg.	0.76	\$1,967	-3.1%
31 & 32p	Nondurable goods mfg. subtotal ¹	1.32	\$31,117	-4.0%	713	Amusements, gambling & recreation	0.75	\$1,400	-10.7%
521-2	Federal Reserve, credit intermediation, & related svcs.	1.29	\$21,917	25.6%	71	Arts, entertainment & recreation	0.75	\$3,146	-10.2%
3364-9	Other transportation equipment mfg.	1.28	\$3,834	-17.6%	711-2	Performing arts, museums & related activities	0.75	\$1,746	-10.1%
524	Insurance carriers & related activities	1.26	\$17,667	25.5%	5411	Legal svcs.	0.70	\$5,046	-15.2%
311-2	Food products mfg.	1.25	\$8,462	-7.4%	212	Mining, except oil & gas	0.67	\$1,076	-51.6%
62	Health care & social assistance	1.22	\$42,472	17.6%	513	Broadcasting & telecommunications	0.66	\$7,693	42.6%
337	Furniture & related products mfg.	1.21	\$970	-44.7%	92a & b	Federal government subtotal	0.65	\$10,874	-2.1%
324	Petroleum & coal products mfg.	1.13	\$4,468	67.3%	51	Information	0.64	\$13,402	41.5%
621	Ambulatory health care svcs.	1.12	\$18,956	24.6%	313-4	Textile & textile product mills mfg.	0.59	\$341	-33.2%
48-49p	Transportation & warehousing ²	1.11	\$14,279	10.9%	315	Apparel mfg.	0.51	\$196	18.0%
22	Utilities	1.10	\$9,704	-2.9%	486	Pipeline transportation	0.50	\$197	61.3%
52	Finance & insurance	1.10	\$42,317	22.5%	485	Transit & ground passenger transportation	0.48	\$367	0.6%
487-8, 492	Other transportation & support activities	1.10	\$3,419	-6.1%	514	Information & data processing svcs.	0.45	\$1,122	40.0%
482	Rail transportation	1.09	\$1,105	-19.9%	721	Accommodation	0.44	\$1,576	-7.8%
42	Wholesale trade	1.09	\$27,976	23.9%	92b	Federal government - military	0.42	\$2,611	24.8%
322	Paper mfg.	1.08	\$1,993	-29.6%	523	Securities, commodity contracts, investments	0.38	\$2,178	-30.5%
44-45	Retail trade	1.07	\$28,933	-11.1%	213	Support activities for mining	0.32	\$528	71.9%
562	Waste management & remediation svcs.	1.06	\$1,355	-10.3%	334	Computer & electronic products mfg.	0.31	\$2,088	132.6%
56	Administrative & waste svcs.	1.06	\$13,471	9.4%	113-5	Forestry, fishing & related activities	0.30	\$291	4.3%
561	Administrative & support svcs.	1.06	\$12,116	12.1%	525	Funds, trusts & other financial vehicles	0.29	\$555	169.3%
722	Food services & drinking places	1.02	\$9,290	-12.1%	21	Mining	0.27	\$2,168	-35.1%
11-81	Private sector summary	1.01	\$407,741	-0.2%	483	Water transportation	0.20	\$95	-11.8%
92c	State & local government	1.00	\$43,400	-6.0%	512	Motion picture & sound recording industries	0.15	\$300	-18.1%
624	Social assistance	0.99	\$2,973	21.1%	211	Oil & gas extraction	0.12	\$564	-17.7%

Notes: [^] - based on current dollars; ^{*} - based on chained dollars standardized on 2005; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A13: Ohio's Gross Domestic Product by Industry - Sorted by Percentage Change, 2001-2009

1997 NAICS Code Industry Titles		Percent Change 2001-2009*	GDP 2008^	Concentration Ratio 2009^	1997 NAICS Code Industry Titles		Percent Change 2001-2009*	GDP 2009^	Concentration Ratio 2009^
11-92	All Industries	-0.7%	\$462,015	1.00	335	Electrical equipment & appliances mfg.	-4.1%	\$4,148	2.43
					531	Real estate	-4.6%	\$46,464	0.84
525	Funds, trusts & other financial vehicles	169.3%	\$555	0.29	92	Government sector summary	-5.3%	\$54,273	0.91
334	Computer & electronic products mfg.	132.6%	\$2,088	0.31	92c	State & local government	-6.0%	\$43,400	1.00
481	Air transportation	115.5%	\$1,576	0.77	487-8, 492	Other transportation & support activities	-6.1%	\$3,419	1.10
111-2	Crop & animal production (farms)	90.0%	\$3,045	0.89	53	Real estate, rental & leasing	-6.3%	\$51,518	0.84
5415	Computer systems design & related srvcs.	81.7%	\$5,285	0.95	311-2	Food products mfg.	-7.4%	\$8,462	1.25
11	Agriculture, forestry, fishing & hunting	79.6%	\$3,336	0.76	721	Accommodation	-7.8%	\$1,576	0.44
493	Warehousing & storage	72.1%	\$2,130	1.64	92a	Federal government - civilian ³	-8.1%	\$8,263	0.79
213	Support activities for mining	71.9%	\$528	0.32	711-2	Performing arts, museums & related activities	-10.1%	\$1,746	0.75
324	Petroleum & coal products mfg.	67.3%	\$4,468	1.13	71	Arts, entertainment & recreation	-10.2%	\$3,146	0.75
486	Pipeline transportation	61.3%	\$197	0.50	562	Waste management & remediation srvcs.	-10.3%	\$1,355	1.06
511	Publishing including software	50.8%	\$4,287	0.88	713	Amusements, gambling & recreation	-10.7%	\$1,400	0.75
513	Broadcasting & telecommunications	42.6%	\$7,693	0.66	44-45	Retail trade	-11.1%	\$28,933	1.07
51	Information	41.5%	\$13,402	0.64	72	Accommodation & food srvcs.	-11.5%	\$10,866	0.85
514	Information & data processing srvcs.	40.0%	\$1,122	0.45	323	Printing & related support activities	-11.7%	\$1,592	1.47
521-2	Federal Reserve, credit intermediation, & related srvcs.	25.6%	\$21,917	1.29	483	Water transportation	-11.8%	\$95	0.20
524	Insurance carriers & related activities	25.5%	\$17,667	1.26	722	Food services & drinking places	-12.1%	\$9,290	1.02
92b	Federal government - military	24.8%	\$2,611	0.42	31-33	Manufacturing subtotal	-14.8%	\$73,154	1.40
621	Ambulatory health care srvcs.	24.6%	\$18,956	1.12	5411	Legal srvcs.	-15.2%	\$5,046	0.70
42	Wholesale trade	23.9%	\$27,976	1.09	3364-9	Other transportation equipment mfg.	-17.6%	\$3,834	1.28
52	Finance & insurance	22.5%	\$42,317	1.10	211	Oil & gas extraction	-17.7%	\$564	0.12
624	Social assistance	21.1%	\$2,973	0.99	512	Motion picture & sound recording industries	-18.1%	\$300	0.15
315	Apparel mfg.	18.0%	\$196	0.51	332	Fabricated metal products mfg.	-19.0%	\$9,823	2.44
62	Health care & social assistance	17.6%	\$42,472	1.22	482	Rail transportation	-19.9%	\$1,105	1.09
55	Management of companies & enterprises	17.2%	\$13,816	1.70	532-3	Rental & leasing srvcs., leasing intangible assets	-20.0%	\$5,054	0.84
54	Professional & technical srvcs.	15.8%	\$28,052	0.80	321	Wood products mfg.	-20.4%	\$679	0.99
5412-4, 6-9	Other professional, scientific & technical srvcs.	12.7%	\$17,720	0.79	81	Other srvcs., except government	-21.3%	\$10,949	0.99
561	Administrative & support srvcs.	12.1%	\$12,116	1.06	333	Machinery mfg.	-21.5%	\$5,641	1.52
622-3	Hospitals & nursing & residential care facilities	11.1%	\$20,543	1.38	32p & 33	Durable goods mfg. subtotal	-21.9%	\$42,037	1.47
48-49p	Transportation & warehousing ²	10.9%	\$14,279	1.11	326	Plastics & rubber products mfg.	-27.0%	\$4,449	2.38
56	Administrative & waste srvcs.	9.4%	\$13,471	1.06	322	Paper mfg.	-29.6%	\$1,993	1.08
325	Chemical mfg.	6.6%	\$9,617	1.35	523	Securities, commodity contracts, investments	-30.5%	\$2,178	0.38
113-5	Forestry, fishing & related activities	4.3%	\$291	0.30	336	Transportation equipment mfg.	-31.0%	\$11,217	2.01
61	Educational srvcs.	1.9%	\$4,490	0.88	313-4	Textile & textile product mills mfg.	-33.2%	\$341	0.59
485	Transit & ground passenger transportation	0.6%	\$367	0.48	21	Mining	-35.1%	\$2,168	0.27
484	Truck transportation	0.5%	\$5,389	1.45	3361-3	Motor vehicles, bodies, trailers & parts mfg.	-36.0%	\$7,383	2.87
11-81	Private sector summary	-0.2%	\$407,741	1.01	327	Nonmetallic mineral products mfg.	-37.6%	\$2,274	1.81
92a & b	Federal government subtotal	-2.1%	\$10,874	0.65	337	Furniture & related products mfg.	-44.7%	\$970	1.21
22	Utilities	-2.9%	\$9,704	1.10	23	Construction	-47.4%	\$13,695	0.77
339	Miscellaneous mfg.	-3.1%	\$1,967	0.76	212	Mining, except oil & gas	-51.6%	\$1,076	0.67
31 & 32p	Nondurable goods mfg. subtotal ¹	-4.0%	\$31,117	1.32	331	Primary metals mfg.	-52.8%	\$3,230	2.26

Notes: ^ - based on current dollars; * - based on chained dollars standardized on 2005; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: mfg. - manufacturing; p - part; srvcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

Table A14: Ohio's Gross Domestic Product by Industry - Sorted by Size in 2009

1997 NAICS Code Industry Titles		GDP 2009 [^]	Percent Change 2000-2009 [*]	Concentra- tion Ratio 2009 [^]	1997 NAICS Code Industry Titles		GDP 2009 [^]	Percent Change 2000-2009 [*]	Concentra- tion Ratio 2009 [^]
11-92	All Industries	\$462,015	-0.7%	1.00	5411	Legal svcs.	\$5,046	-15.2%	0.70
					61	Educational svcs.	\$4,490	1.9%	0.88
11-81	Private sector summary	\$407,741	-0.2%	1.01	324	Petroleum & coal products mfg.	\$4,468	67.3%	1.13
31-33	Manufacturing subtotal	\$73,154	-14.8%	1.40	326	Plastics & rubber products mfg.	\$4,449	-27.0%	2.38
92	Government sector summary	\$54,273	-5.3%	0.91	511	Publishing including software	\$4,287	50.8%	0.88
53	Real estate, rental & leasing	\$51,518	-6.3%	0.84	335	Electrical equipment & appliances mfg.	\$4,148	-4.1%	2.43
531	Real estate	\$46,464	-4.6%	0.84	3364-9	Other transportation equipment mfg.	\$3,834	-17.6%	1.28
92c	State & local government	\$43,400	-6.0%	1.00	487-8, 492	Other transportation & support activities	\$3,419	-6.1%	1.10
62	Health care & social assistance	\$42,472	17.6%	1.22	11	Agriculture, forestry, fishing & hunting	\$3,336	79.6%	0.76
52	Finance & insurance	\$42,317	22.5%	1.10	331	Primary metals mfg.	\$3,230	-52.8%	2.26
32p & 33	Durable goods mfg. subtotal	\$42,037	-21.9%	1.47	71	Arts, entertainment & recreation	\$3,146	-10.2%	0.75
31 & 32p	Nondurable goods mfg. subtotal ¹	\$31,117	-4.0%	1.32	111-2	Crop & animal production (farms)	\$3,045	90.0%	0.89
44-45	Retail trade	\$28,933	-11.1%	1.07	624	Social assistance	\$2,973	21.1%	0.99
54	Professional & technical svcs.	\$28,052	15.8%	0.80	92b	Federal government - military	\$2,611	24.8%	0.42
42	Wholesale trade	\$27,976	23.9%	1.09	327	Nonmetallic mineral products mfg.	\$2,274	-37.6%	1.81
521-2	Federal Reserve, credit intermediation, & related svcs.	\$21,917	25.6%	1.29	523	Securities, commodity contracts, investments	\$2,178	-30.5%	0.38
622-3	Hospitals & nursing & residential care facilities	\$20,543	11.1%	1.38	21	Mining	\$2,168	-35.1%	0.27
621	Ambulatory health care svcs.	\$18,956	24.6%	1.12	493	Warehousing & storage	\$2,130	72.1%	1.64
5412-4, 6-9	Other professional, scientific & technical svcs.	\$17,720	12.7%	0.79	334	Computer & electronic products mfg.	\$2,088	132.6%	0.31
524	Insurance carriers & related activities	\$17,667	25.5%	1.26	322	Paper mfg.	\$1,993	-29.6%	1.08
48-49p	Transportation & warehousing ²	\$14,279	10.9%	1.11	339	Miscellaneous mfg.	\$1,967	-3.1%	0.76
55	Management of companies & enterprises	\$13,816	17.2%	1.70	711-2	Performing arts, museums & related activities	\$1,746	-10.1%	0.75
23	Construction	\$13,695	-47.4%	0.77	323	Printing & related support activities	\$1,592	-11.7%	1.47
56	Administrative & waste svcs.	\$13,471	9.4%	1.06	481	Air transportation	\$1,576	115.5%	0.77
51	Information	\$13,402	41.5%	0.64	721	Accommodation	\$1,576	-7.8%	0.44
561	Administrative & support svcs.	\$12,116	12.1%	1.06	713	Amusements, gambling & recreation	\$1,400	-10.7%	0.75
336	Transportation equipment mfg.	\$11,217	-31.0%	2.01	562	Waste management & remediation svcs.	\$1,355	-10.3%	1.06
81	Other svcs., except government	\$10,949	-21.3%	0.99	514	Information & data processing svcs.	\$1,122	40.0%	0.45
92a & b	Federal government subtotal	\$10,874	-2.1%	0.65	482	Rail transportation	\$1,105	-19.9%	1.09
72	Accommodation & food svcs.	\$10,866	-11.5%	0.85	212	Mining, except oil & gas	\$1,076	-51.6%	0.67
332	Fabricated metal products mfg.	\$9,823	-19.0%	2.44	337	Furniture & related products mfg.	\$970	-44.7%	1.21
22	Utilities	\$9,704	-2.9%	1.10	321	Wood products mfg.	\$679	-20.4%	0.99
325	Chemical mfg.	\$9,617	6.6%	1.35	211	Oil & gas extraction	\$564	-17.7%	0.12
722	Food services & drinking places	\$9,290	-12.1%	1.02	525	Funds, trusts & other financial vehicles	\$555	169.3%	0.29
311-2	Food products mfg.	\$8,462	-7.4%	1.25	213	Support activities for mining	\$528	71.9%	0.32
92a	Federal government - civilian ³	\$8,263	-8.1%	0.79	485	Transit & ground passenger transportation	\$367	0.6%	0.48
513	Broadcasting & telecommunications	\$7,693	42.6%	0.66	313-4	Textile & textile product mills mfg.	\$341	-33.2%	0.59
3361-3	Motor vehicles, bodies, trailers & parts mfg.	\$7,383	-36.0%	2.87	512	Motion picture & sound recording industries	\$300	-18.1%	0.15
333	Machinery mfg.	\$5,641	-21.5%	1.52	113-5	Forestry, fishing & related activities	\$291	4.3%	0.30
484	Truck transportation	\$5,389	0.5%	1.45	486	Pipeline transportation	\$197	61.3%	0.50
5415	Computer systems design & related svcs.	\$5,285	81.7%	0.95	315	Apparel mfg.	\$196	18.0%	0.51
532-3	Rental & leasing svcs., leasing intangible assets	\$5,054	-20.0%	0.84	483	Water transportation	\$95	-11.8%	0.20

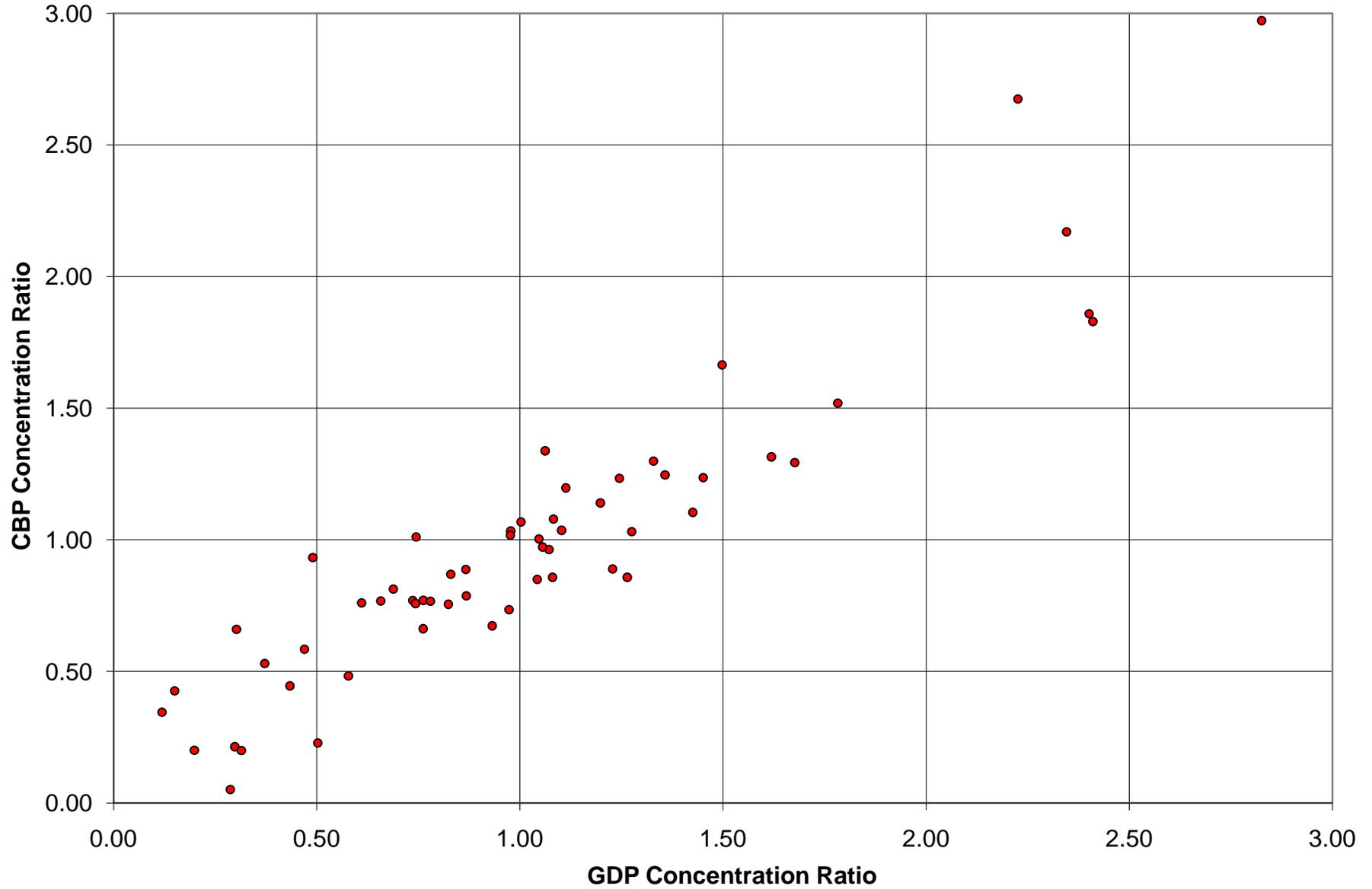
Notes: [^] - based on current dollars; ^{*} - based on chained dollars standardized on 2005; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: mfg. - manufacturing; p - part; svcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/11).

The Association of GDP and CBP Concentration Ratios in Ohio, 2009



Sources: U.S. Census Bureau, BEA

**Table A15: Ohio::U.S. Gross Domestic Product and County Business Patterns Concentration Ratios
(GDP in millions of current dollars, except concentration ratio)**

NAICS Codes	Industry Titles	GDP ^A , 2009			CBP Employment, 2009		
		(current, in millions)		Ohio::U.S. Concentration Ratio*	Ohio		Ohio::U.S. Concentration Ratio*
		Ohio	U.S.		Ohio	U.S.	
11-81	Private industries*	\$407,741	\$12,196,500	1.00	4,460,553	114,509,626	1.00
113-5	Forestry, fishing & related activities	\$291	\$29,174	0.30	1,280	153,829	0.21
211	Oil & gas extraction	\$564	\$141,671	0.12	1,442	107,394	0.34
212	Mining, except oil & gas	\$1,076	\$48,941	0.66	6,057	202,657	0.77
213	Support activities for mining	\$528	\$50,230	0.31	2,285	294,602	0.20
22	Utilities	\$9,704	\$268,107	1.08	26,962 ~	641,552	1.08
23	Construction	\$13,695	\$537,460	0.76	178,933	5,967,128	0.77
321	Wood products mfg.	\$679	\$20,866	0.97	11,040	385,841	0.73
327	Nonmetallic mineral products mfg.	\$2,274	\$38,160	1.78	22,499	380,254	1.52
331	Primary metals mfg.	\$3,230	\$43,409	2.23	39,412	378,277	2.67
332	Fabricated metal products mfg.	\$9,823	\$121,900	2.41	99,866	1,401,482	1.83
333	Machinery mfg.	\$5,641	\$112,658	1.50	67,043	1,033,961	1.66
334	Computer & electronic products mfg.	\$2,088	\$206,428	0.30	24,799	965,230	0.66
335	Electrical equipment & appliances mfg.	\$4,148	\$51,678	2.40	26,299	363,214	1.86
3361-3	Motor vehicles, bodies, trailers & parts mfg.	\$7,383	\$78,160	2.83	76,675	662,136	2.97
3364-9	Other transportation equipment mfg.	\$3,834	\$90,705	1.26	20,411	611,085	0.86
337	Furniture & related products mfg.	\$970	\$24,218	1.20	17,241	388,262	1.14
339	Miscellaneous mfg.	\$1,967	\$79,018	0.74	23,483	596,514	1.01
311-2	Food products mfg.	\$8,462	\$206,098	1.23	54,755	1,581,107	0.89
313-4	Textile & textile product mills mfg.	\$341	\$17,649	0.58	4,511	239,736	0.48
315	Apparel mfg.	\$196	\$11,670	0.50	1,179	132,922	0.23
322	Paper mfg.	\$1,993	\$56,130	1.06	19,871	381,251	1.34
323	Printing & related support activities mfg.	\$1,592	\$32,814	1.45	26,468	549,718	1.24
324	Petroleum & coal products mfg.	\$4,468	\$120,049	1.11	4,682	100,406	1.20
325	Chemical mfg.	\$9,617	\$216,488	1.33	38,422	759,264	1.30
326	Plastics & rubber products mfg.	\$4,449	\$56,735	2.35	58,615	693,481	2.17
42	Wholesale trade	\$27,976	\$780,784	1.07	218,619	5,827,769	0.96
44-45	Retail trade	\$28,933	\$819,648	1.06	560,684	14,802,767	0.97
481	Air transportation	\$1,576	\$61,858	0.76	11,308	438,336	0.66
483	Water transportation	\$95	\$14,300	0.20	535	68,517	0.20
484	Truck transportation	\$5,389	\$113,087	1.43	57,071	1,326,999	1.10
485	Transit & ground passenger transportation	\$367	\$23,373	0.47	9,951	437,011	0.58
486	Pipeline transportation	\$197	\$12,017	0.49	1,511 ~	41,612	0.93
487-8, 492	Other transportation & support activities	\$3,419	\$94,679	1.08	39,184 ~	1,173,436	0.86
493	Warehousing & storage	\$2,130	\$39,351	1.62	34,511	673,693	1.32
511	Publishing including software	\$4,287	\$147,729	0.87	29,530	963,272	0.79
512	Motion picture & sound recording industries	\$300	\$59,755	0.15	5,645	340,053	0.43

**Table A15: Ohio::U.S. Gross Domestic Product and County Business Patterns Concentration Ratios
(GDP in millions of current dollars, except concentration ratio)**

NAICS Codes	Industry Titles	GDP [^] , 2009			CBP Employment, 2009		
		(current, in millions)		Ohio::U.S. Concentration Ratio*	Ohio	U.S.	Ohio::U.S. Concentration Ratio*
		Ohio	U.S.				
515-9	Broadcasting, Internet, data processing & related srvcs.	\$8,815	\$431,866	0.61	58,773	1,984,784	0.76
521-2	Federal Reserve, credit intermediation, & related srvcs.	\$21,917	\$514,048	1.28	115,524 ~	2,877,233	1.03
523	Securities, commodity contracts, investments	\$2,178	\$175,200	0.37	19,151	927,518	0.53
524	Insurance carriers & related activities	\$17,667	\$424,539	1.24	113,337	2,358,929	1.23
525	Funds, trusts & other financial vehicles	\$555	\$57,825	0.29	15 ~	7,560	0.05
531	Real estate	\$46,464	\$1,686,530	0.82	42,511	1,445,435	0.76
532-3	Rental & leasing srvcs., leasing intangible assets	\$5,054	\$182,148	0.83	20,002	591,155	0.87
5411	Legal srvcs.	\$5,046	\$219,167	0.69	37,131	1,172,748	0.81
5415	Computer systems design & related srvcs.	\$5,285	\$169,610	0.93	35,441	1,351,766	0.67
5412-4, 6-9	Other professional, scientific & technical srvcs.	\$17,720	\$679,729	0.78	158,704	5,315,451	0.77
55	Management of companies & enterprises	\$13,816	\$246,472	1.68	143,767	2,853,450	1.29
561	Administrative & support srvcs.	\$12,116	\$347,579	1.04	288,284	8,712,512	0.85
562	Waste management & remediation srvcs.	\$1,355	\$38,712	1.05	13,619	348,475	1.00
61	Educational srvcs.	\$4,490	\$154,913	0.87	110,631	3,200,553	0.89
621	Ambulatory health care srvcs.	\$18,956	\$514,240	1.10	243,755	6,040,265	1.04
622-3	Hospitals & nursing & residential care facilities	\$20,543	\$452,728	1.36	429,139	8,839,685	1.25
624	Social assistance	\$2,973	\$90,980	0.98	106,784	2,651,192	1.03
711-2	Performing arts, museums & related activities	\$1,746	\$70,947	0.74	16,707	557,599	0.77
713	Amusements, gambling & recreation	\$1,400	\$56,350	0.74	42,889	1,452,740	0.76
721	Accommodation	\$1,576	\$108,657	0.43	31,862	1,838,641	0.44
722	Food srvcs. & drinking places	\$9,290	\$277,102	1.00	399,481	9,604,652	1.07
81	Other srvcs., except government	\$10,949	\$335,401	0.98	208,666	5,264,429	1.02

Notes: ^ - includes the self-employed with no employees; * - these figures exclude farms, rail transportation and government services; ~ - is or includes an estimate for employment.

Abbreviations used: mfg. - manufacturing; n.a. - not available; srvcs. - services.

Sources: U.S. Bureau of the Census (2011a), U.S. Bureau of Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 7/11).

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
-----	Total	4,460,553	114,509,626	1.00
1131	Timber tract operations	5 *	2,141	0.06 *
1132	Forest nurseries & gathering forest products	9	1,566	0.15
1133	Logging	370	49,296	0.19
1141	Fishing	5 *	5,458	0.02 *
1142	Hunting & trapping	11 *	1,800	0.16 *
1151	Crop production support activities	438 *	62,827	0.18 *
1152	Animal production support activities	382	20,065	0.49
1153	Forestry support activities	13 *	10,676	0.03 *
2111	Oil & gas extraction	1,442	107,394	0.34
2121	Coal mining	3,223	83,961	0.99
2122	Metal ore mining	6 *	34,545	0.00 *
2123	Nonmetallic mineral mining & quarrying	2,828	84,151	0.86
2131	Mining support activities	2,285	294,602	0.20
2211	Electric power generation, transmission & distribution	22,499 *	512,484	1.13 *
2212	Natural gas distribution	3,413 *	84,720	1.03 *
2213	Water, sewage & other systems	1,050	44,348	0.61
2361	Residential building construction	16,626	638,810	0.67
2362	Nonresidential building construction	23,186	652,039	0.91
2371	Utility system construction	12,366	498,329	0.64
2372	Land subdivision	1,091	50,658	0.55
2373	Highway, street & bridge construction	7,808	280,204	0.72
2379	Other heavy & civil engineering	1,058	65,682	0.41

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
2381	Foundation, structure, & building exterior contractors	27,325	808,249	0.87
2382	Building equipment contractors	60,625	1,780,928	0.87
2383	Building finishing contractors	18,083	716,046	0.65
2389	Other specialty trade contractors	10,765	476,183	0.58
31-33	Manufacturing			
32p & 33	Durable goods			
3211	Sawmills & wood preservation	1,801	84,238	0.55
3212	Veneer, plywood & engineered wood product mfg.	1,421	71,817	0.51
3219	Other wood product mfg.	7,818	229,786	0.87
3271	Clay product & refractory mfg.	4,432	35,800	3.18
3272	Glass & glass product mfg.	6,800	89,233	1.96
3273	Cement & concrete product mfg.	5,631	173,467	0.83
3274	Lime & gypsum product mfg.	589 *	14,089	1.07 *
3279	Other nonmetallic mineral product mfg.	5,047	67,665	1.91
3311	Iron & steel mills & ferroalloy mfg.	13,587	102,212	3.41
3312	Steel product mfg. from purchased steel	4,163	39,868	2.68
3313	Alumina & aluminum production & processing	2,900	51,252	1.45
3314	Nonferrous (exc. aluminum) production & processing	4,615	58,569	2.02
3315	Foundries	14,147	126,376	2.87
3321	Forging & stamping	12,847	108,741	3.03
3322	Cutlery & handtool mfg.	4,350	42,330	2.64
3323	Architectural & structural metals mfg.	15,485	350,782	1.13
3324	Boiler, tank & shipping container mfg.	5,923	83,228	1.83
3325	Hardware mfg.	1,413	31,758	1.14
3326	Spring & wire product mfg.	2,502	41,425	1.55
3327	Machine shops, turn products, screw, nut & bolt mfg.	27,730	355,801	2.00

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
3328	Coating, engrave, heat treating & other activity	10,067	118,781	2.18
3329	Other fabricated metal product mfg.	19,549	268,636	1.87
3331	Agricultural, construction & mining machinery mfg.	5,534	201,019	0.71
3332	Industrial machinery mfg.	7,661	111,575	1.76
3333	Commercial & service industry machinery mfg.	3,197	76,960	1.07
3334	HVAC & commercial refrigeration equipment mfg.	5,906	133,259	1.14
3335	Metalworking machinery mfg.	17,355	141,179	3.16
3336	Engine, turbine & power transmission equipment mfg.	5,243	101,875	1.32
3339	Other general purpose machinery mfg.	22,147	268,094	2.12
3341	Computer & peripheral equipment mfg.	3,485	90,600	0.99
3342	Communications equipment mfg.	1,131 *	143,202	0.20 *
3343	Audio & video equipment mfg.	442	12,847	0.88
3344	Semiconductor & other electronic component mfg.	7,022	298,991	0.60
3345	Navigation, measuring, medical, control instruments mfg.	12,413	397,210	0.80
3346	Mfg. & reproducing magnetic & optical media	306 *	22,380	0.35 *
3351	Electric lighting equipment mfg.	3,278	51,077	1.65
3352	Household appliance mfg.	10,297 *	48,690	5.43 *
3353	Electrical equipment mfg.	6,496	125,079	1.33
3359	Other electrical equipment & component mfg.	6,228	138,368	1.16
3361	Motor vehicle mfg.	14,860	134,418	2.84
3362	Motor vehicle body & trailer mfg.	4,111	95,966	1.10
3363	Motor vehicle parts mfg.	57,704	431,752	3.43
3364	Aerospace product & parts mfg.	16,381	401,185	1.05
3365	Railroad rolling stock mfg.	449	27,696	0.42
3366	Ship & boat building	152	137,759	0.03
3369	Other transportation equipment mfg.	3,429	44,445	1.98
3371	Household & institutional furniture & kitchen cabinet mfg.	13,038	238,064	1.41

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
3372	Office furniture (including fixtures) mfg.	3,439	116,007	0.76
3379	Other furniture related product mfg.	764	34,191	0.57
3391	Medical equipment & supplies mfg.	11,174	304,551	0.94
3399	Other miscellaneous mfg.	12,309	291,963	1.08
31 & 32p	Nondurable goods			
3111	Animal food mfg.	2,246	50,681	1.14
3112	Grain & oilseed milling	2,202	56,044	1.01
3113	Sugar & confectionery product mfg.	1,970	64,609	0.78
3114	Fruit & veg preserving & specialty food mfg.	10,321	159,779	1.66
3115	Dairy product mfg.	5,198	138,224	0.97
3116	Animal slaughtering & processing	9,214	500,916	0.47
3117	Seafood product preparation & packaging	32 *	30,894	0.03 *
3118	Bakeries & tortilla mfg.	12,214	271,974	1.15
3119	Other food mfg.	7,424	161,597	1.18
3121	Beverage mfg.	3,934	129,296	0.78
3122	Tobacco mfg.	0	17,093	0.00
3131	Fiber, yarn & thread mills	23	31,585	0.02
3132	Fabric mills	978	57,534	0.44
3133	Textile, fabric finishing, fabric coating mills	944	32,807	0.74
3141	Textile furnishings mills	876	58,145	0.39
3149	Other textile product mills	1,690	59,665	0.73
3151	Apparel knitting mills	0	16,240	0.00
3152	Cut & sew apparel mfg.	1,075	105,856	0.26
3159	Apparel accessories & other apparel mfg.	104	10,826	0.25
3161	Leather & hide tanning & finishing	55 *	3,524	0.40 *
3162	Footwear mfg.	5 *	11,822	0.01 *
3169	Other leather & allied product mfg.	1,146 *	13,469	2.18 *

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
3221	Pulp, paper & paperboard mills	3,522	116,264	0.78
3222	Converted paper product mfg.	16,349	264,987	1.58
3231	Printing & related support activities	26,468	549,718	1.24
3241	Petroleum & coal products	4,682	100,406	1.20
3251	Basic chemical mfg.	7,884	151,131	1.34
3252	Resin, synthetic rubber, artificial & synthetic fibers, filling mfg.	5,277	87,038	1.56
3253	Pesticide, fertilizer & other agricultural chemical mfg.	1,277	29,434	1.11
3254	Pharmaceutical & medicine mfg.	4,146	242,800	0.44
3255	Paint, coating & adhesive mfg.	7,529	57,064	3.39
3256	Soap, cleaners & toilet preparation mfg.	6,901	98,771	1.79
3259	Other chemical product & preparation mfg.	5,408	93,026	1.49
3261	Plastics product mfg.	44,096	566,862	2.00
3262	Rubber product mfg.	14,519	126,619	2.94
4231	Motor vehicles, parts & supply merchant whsle.	17,865	362,348	1.27
4232	Furniture & home furnishing merchant whsle.	4,395	145,472	0.78
4233	Lumber & other construction materials merchant whsle.	7,095	213,564	0.85
4234	Professional & commercial equip & supp merchant whsle.	25,883	696,409	0.95
4235	Metal & mineral (exc. petroleum) merchant whsle.	9,200	153,536	1.54
4236	Electrical & electronic goods merchant whsle.	14,716	518,588	0.73
4237	Hardware, plumb & heating equipment & supplies merchant whsle.	10,301	223,633	1.18
4238	Machinery, equipment & supplies merchant whsle.	32,943	704,851	1.20
4239	Miscellaneous durable goods merchant whsle.	12,645	316,302	1.03
4241	Paper & paper product merchant whsle.	6,464	155,039	1.07
4242	Drugs & druggists' sundries merchant whsle.	6,997	266,682	0.67
4243	Apparel, piece goods & notions merchant whsle.	2,909	186,651	0.40
4244	Grocery & related product merchant whsle.	27,091	764,140	0.91

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
4245	Farm product raw material merchant whsle.	2,430	60,688	1.03
4246	Chemical & allied products merchant whsle.	6,661	146,485	1.17
4247	Petroleum & petroleum products merchant whsle.	2,760	102,082	0.69
4248	Beer, wine, distilled alcoholic beverage merchant whsle.	5,709	178,250	0.82
4249	Miscellaneous nondurable goods merchant whsle.	11,164	336,394	0.85
4251	Wholesale electronic markets, agents & brokers	11,391	296,655	0.99
4411	Automobile dealers	43,111	1,051,845	1.05
4412	Other motor vehicle dealers	4,342	137,804	0.81
4413	Automotive parts, accessories & tire stores	18,364	466,747	1.01
4421	Furniture stores	7,781	219,434	0.91
4422	Home furnishings stores	7,171	230,402	0.80
4431	Electronics & appliance stores	15,379	448,946	0.88
4441	Building material & supplies dealers	40,740	1,068,945	0.98
4442	Lawn & garden equip & supplies stores	6,207	151,642	1.05
4451	Grocery stores	89,292	2,561,669	0.89
4452	Specialty food stores	6,032	146,044	1.06
4453	Beer, wine & liquor stores	4,054	147,562	0.71
4461	Health & personal care stores	42,292	995,238	1.09
4471	Gasoline stations	33,675	855,915	1.01
4481	Clothing stores	34,219	1,203,233	0.73
4482	Shoe stores	5,496	194,743	0.72
4483	Jewelry, luggage & leather goods stores	4,765	137,947	0.89
4511	Sporting goods, hobby, musical instrument stores	14,421	403,030	0.92
4512	Book, periodical & music stores	5,044	174,409	0.74
4521	Department stores	45,865	1,196,705	0.98
4529	Other general merchandise stores	75,471	1,719,956	1.13

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
4531	Florists	3,436	75,855	1.16
4532	Office supplies, stationery & gift stores	9,819	277,818	0.91
4533	Used merchandise stores	6,117	139,207	1.13
4539	Other miscellaneous store retailers	9,187	240,276	0.98
4541	Electronic shopping & mail-order houses	19,974	320,721	1.60
4542	Vending machine operators	2,875	38,367	1.92
4543	Direct selling establishments	5,555	198,307	0.72
4811	Scheduled air transportation	5,290	403,198	0.34
4812	Nonscheduled air transportation	6,018	35,138	4.40
4831	Deep sea, coastal & Great Lakes water transportation	452 *	48,419	0.24 *
4832	Inland water transportation	83	20,098	0.11
4841	General freight trucking	42,221	882,910	1.23
4842	Specialized freight trucking	14,850	444,089	0.86
4851	Urban transit systems	314	48,002	0.17
4852	Interurban & rural bus transportation	136 *	13,379	0.26 *
4853	Taxi & limousine service	1,163	64,655	0.46
4854	School & employee bus transportation	4,779	213,878	0.57
4855	Charter bus industry	1,118	29,173	0.98
4859	Other transit & ground passenger transportation	2,441	67,924	0.92
4861	Pipeline transportation of crude oil	496 *	7,135	1.79 *
4862	Pipeline transportation of natural gas	752 *	24,283	0.80 *
4869	Other pipeline transportation	263	10,194	0.66
4871	Scenic & sightseeing transportation, land	120	8,802	0.35
4872	Scenic & sightseeing transportation, water	52 *	10,574	0.13 *
4879	Scenic & sightseeing transportation, other	333 *	2,288	3.74 *
4881	Air transportation support activities	2,137	163,605	0.34

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
4882	Rail transportation support activities	1,233	25,004	1.27
4883	Water transportation support activities	893	85,714	0.27
4884	Road transportation support activities	2,475	74,975	0.85
4885	Freight transportation arrangement	8,722	228,886	0.98
4889	Other transportation support activities	736	24,981	0.76
4921	Couriers	21,449	517,387	1.06
4922	Local messengers & local delivery	1,179	31,220	0.97
4931	Warehousing & storage	34,511	673,693	1.32
5111	Newspaper, periodical, book, database publishers	24,180	593,253	1.05
5112	Software publishers	5,350	370,019	0.37
5121	Motion picture & video industries	5,396	316,409	0.44
5122	Sound recording industries	249	23,644	0.27
5151	Radio & television broadcasting (exc. Internet)	7,025	232,703	0.77
5152	Cable & other subscription programming (exc. Internet)	250	40,069	0.16
5171	Wired telecommunications carriers	26,776	840,516	0.82
5172	Wireless telecommunications carriers (exc. satellite)	8,068	277,590	0.75
5174	Satellite communications	197	8,489	0.60
5179	Other telecommunications	1,430	58,658	0.63
5182	Data processing, hosting & related services	9,695	387,170	0.64
5191	Other information services	5,332	139,589	0.98
5211	Monetary authorities - central bank	1,137 *	17,972	1.62 *
5221	Depository credit intermediation	85,801	2,032,090	1.08
5222	Nondepository credit intermediation	19,248	558,240	0.89
5223	Activities related to credit intermediation	9,338	268,931	0.89
5231	Security & commodity contracts intermediation & brokerage	12,107	488,786	0.64

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
5232	Securities & commodity exchanges	0	5,368	0.00
5239	Other financial investment activities	7,044	433,364	0.42
5241	Insurance carriers	79,223	1,484,472	1.37
5242	Agencies & other insurance related activities	34,114	874,457	1.00
5259	Other investment pools & funds	15 *	7,560	0.05 *
5311	Lessors of real estate	18,254	521,155	0.90
5312	Offices of real estate agents & brokers	6,542	297,830	0.56
5313	Activities related to real estate	17,715	626,450	0.73
5321	Automotive equipment rental & leasing	5,621	168,469	0.86
5322	Consumer goods rental	8,007	208,363	0.99
5323	General rental centers	1,284	26,110	1.26
5324	Commercial, industrial equipment rental & leasing	4,222	154,045	0.70
5331	Lessors of other nonfinancial intangible asset	868	34,168	0.65
5411	Legal services	37,131	1,172,748	0.81
5412	Accounting, tax preparation, bookkeeping, payroll services	38,203	1,289,005	0.76
5413	Architectural, engineering & related services	39,346	1,366,093	0.74
5414	Specialized design services	4,509	114,320	1.01
5415	Computer systems design & related services	35,441	1,351,766	0.67
5416	Management, scientific & technical consulting services	22,358	862,732	0.67
5417	Scientific research & development services	20,876	642,878	0.83
5418	Advertising & related services	10,847	432,682	0.64
5419	Other professional, scientific, technical service	22,565	607,741	0.95
5511	Management of companies & enterprises	143,767	2,853,450	1.29

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
5611	Office administrative services	15,960	440,383	0.93
5612	Facilities support services	4,190	224,306	0.48
5613	Employment services	133,507	4,290,307	0.80
5614	Business support services	34,858	820,691	1.09
5615	Travel arrangement & reservation services	4,171	234,154	0.46
5616	Investigation & security services	20,781	792,679	0.67
5617	Services to buildings & dwellings	61,701	1,626,393	0.97
5619	Other support services	13,116	283,599	1.19
5621	Waste collection	7,190	187,434	0.98
5622	Waste treatment & disposal	2,528	46,362	1.40
5629	Remediation & other waste management services	3,901	114,679	0.87
6111	Elementary & secondary schools	32,284	853,763	0.97
6112	Junior colleges	3,663	87,936	1.07
6113	Colleges, universities & professional schools	57,934	1,674,984	0.89
6114	Business schools & computer & management training	2,183	63,967	0.88
6115	Technical & trade schools	3,523	117,347	0.77
6116	Other schools & instruction	8,159	324,450	0.65
6117	Educational support services	2,885	78,106	0.95
6211	Offices of physicians	86,071	2,219,724	1.00
6212	Offices of dentists	30,938	841,673	0.94
6213	Offices of other health practitioners	26,152	652,849	1.03
6214	Outpatient care centers	26,815	690,567	1.00
6215	Medical & diagnostic laboratories	9,701	246,259	1.01
6216	Home health care services	51,538	1,104,809	1.20
6219	Other ambulatory health care services	12,540	284,384	1.13

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
6221	General medical & surgical hospitals	253,462	5,188,753	1.25
6222	Psychiatric & substance abuse hospitals	5,652	216,301	0.67
6223	Other specialty hospitals	6,954	253,869	0.70
6231	Nursing care facilities	89,615	1,613,630	1.43
6232	Residential mental retardation, health facilities	25,853	630,328	1.05
6233	Community care facilities for the elderly	44,122	787,568	1.44
6239	Other residential care facilities	3,481	149,236	0.60
6241	Individual & family services	45,946	1,281,824	0.92
6242	Community, emergency & other relief services	6,134	173,235	0.91
6243	Vocational rehabilitation services	22,794	326,665	1.79
6244	Child day care services	31,910	869,468	0.94
7111	Performing arts companies	3,126	120,009	0.67
7112	Spectator sports	4,277	122,611	0.90
7113	Promoters of entertainment events	2,465	124,643	0.51
7114	Agents, managers for artists & other public figures	303	18,565	0.42
7115	Independent artists, writers & performers	556	43,130	0.33
7121	Museums, historical sites & like institutions	5,980	128,641	1.19
7131	Amusement parks & arcades	3,201	136,985	0.60
7132	Gambling industries	111 *	173,765	0.02 *
7139	Other amusement & recreation industries	39,577	1,141,990	0.89
7211	Traveler accommodation	30,619	1,790,426	0.44
7212	RV parks & recreational camps	790	37,766	0.54
7213	Rooming & boarding houses	453	10,449	1.11
7221	Full-service restaurants	179,179	4,505,221	1.02
7222	Limited-service eating places	185,975	4,111,055	1.16

Table A16: Industry Group Employment Concentration Ratios: 2009 CBP Employment

2007 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra- tion Ratio
7223	Special food services	20,046	640,742	0.80
7224	Drinking places (alcoholic beverages)	14,281	347,634	1.05
8111	Automotive repair & maintenance	30,100	805,631	0.96
8112	Electronic & precision equipment repair & maintenance	4,827	117,701	1.05
8113	Commercial equipment (exc. auto & electric) repair & maintenance	8,530	191,267	1.14
8114	Personal & household goods repair & maintenance	2,457	74,178	0.85
8121	Personal care services	29,543	620,440	1.22
8122	Death care services	7,447	135,000	1.42
8123	Drycleaning & laundry services	11,117	316,339	0.90
8129	Other personal services	7,476	246,466	0.78
8131	Religious organizations	66,081	1,693,339	1.00
8132	Grantmaking & giving services	5,469	170,012	0.83
8133	Social advocacy organizations	3,176	140,498	0.58
8134	Civic & social organizations	13,316	246,979	1.38
8139	Business, labor, political, like organizations	19,127	506,579	0.97

Notes: exc. - except; mfg. - manufacturing; mgt. - management; whsle. - wholesale; * - estimated. Data not reported for NAICS codes: 5161 - Internet publishing & broadcasting, 5173 - Telecommunications resellers, 5175 - Cable & other program distribution, 5181 - Internet service providers & web search portals, and 5251 - Insurance & employee benefit funds.

Source: U.S. Bureau of the Census (2011a).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 7/11).

Table A17: Gross Domestic Product and Population in Ohio and the U.S., 1997-2010

Variable	Area	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ^P
GDP (in Billions, Standardized on 2005)	U.S.	\$9,847	\$10,276	\$10,768	\$11,223	\$11,364	\$11,560	\$11,808	\$12,213	\$12,555	\$12,896	\$13,144	\$13,100	\$12,774	\$13,100
	Ohio	\$397	\$411	\$418	\$429	\$420	\$430	\$434	\$442	\$445	\$441	\$443	\$436	\$417	\$426
July 1 Population Estimate (in Thousands)	U.S.	272,647	275,854	279,040	282,166	285,050	287,746	290,242	292,936	295,618	298,432	301,394	304,177	306,656	309,051
	Ohio	11,277	11,312	11,335	11,363	11,396	11,421	11,450	11,466	11,476	11,491	11,519	11,527	11,532	11,532
Per Capita GDP (Standardized on 2005)	U.S.	\$36,117	\$37,251	\$38,588	\$39,775	\$39,867	\$40,175	\$40,683	\$41,690	\$42,469	\$43,212	\$43,610	\$43,067	\$41,655	\$42,387
	Ohio	\$35,236	\$36,290	\$36,891	\$37,764	\$36,890	\$37,629	\$37,900	\$38,577	\$38,753	\$38,353	\$38,424	\$37,800	\$36,187	\$36,950
Absolute GDP - Indexed	U.S.	100.0	104.4	109.3	114.0	115.4	117.4	119.9	124.0	127.5	131.0	133.5	133.0	129.7	133.0
Per Capita GDP - Indexed	U.S.	100.0	103.1	106.8	110.1	110.4	111.2	112.6	115.4	117.6	119.6	120.7	119.2	115.3	117.4
Absolute GDP - Indexed	Ohio	100.0	103.3	105.2	108.0	105.8	108.1	109.2	111.3	111.9	110.9	111.4	109.6	105.0	107.2
Per Capita GDP - Indexed	Ohio	100.0	103.0	104.7	107.2	104.7	106.8	107.6	109.5	110.0	108.8	109.0	107.3	102.7	104.9

Note: P - Preliminary.

Sources: U.S. Bureau of the Census (2011b), U.S. Bureau of Economic Analysis (2011).

Prepared by: Policy Research and Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 8/11).

Table A18: Growth and Industry Concentration in Ohio's Economy, 1997-2007

1997 NAICS Codes	Major Industry Titles	U.S.			Ohio			1997 Ohio::U.S. Concentration Ratio
		1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	
11-92	All Industries	\$8,270,460	100.00%	33.5%	\$333,974	100.00%	11.4%	1.00
<u>Slower Growing Industries^ Not Concentrated in Ohio</u>				38.06%			30.74%	
531	Real estate	\$921,784	11.15%	30.2%	\$30,721	9.20%	7.1%	0.83
92c	State & local	\$714,231	8.64%	14.5%	\$27,929	8.36%	-1.1%	0.97
23	Construction	\$346,739	4.19%	-3.5%	\$13,389	4.01%	-35.2%	0.96
81	Other srvcs., except government	\$223,755	2.71%	-0.3%	\$8,315	2.49%	-10.4%	0.92
92a	Federal Civilian ³	\$198,598	2.40%	-2.5%	\$5,910	1.77%	-11.2%	0.74
5411	Legal srvcs.	\$108,937	1.32%	23.5%	\$3,008	0.90%	0.3%	0.68
61	Educational srvcs.	\$66,861	0.81%	12.1%	\$2,076	0.62%	6.0%	0.77
111-2	Crop & animal production (farms)	\$87,949	1.06%	24.6%	\$2,534	0.76%	-5.6%	0.71
92b	Federal Military	\$86,611	1.05%	7.1%	\$1,189	0.36%	4.4%	0.34
711-2	Performing arts, museums & related activities	\$36,964	0.45%	25.3%	\$1,105	0.33%	4.9%	0.74
721	Accommodation	\$70,335	0.85%	26.6%	\$1,263	0.38%	-0.6%	0.44
713	Amusements, gambling & recreation	\$42,748	0.52%	15.4%	\$1,361	0.41%	-9.5%	0.79
481	Air transportation	\$53,637	0.65%	32.5%	\$957	0.29%	82.1%	0.44
321	Wood products	\$26,518	0.32%	12.0%	\$911	0.27%	4.7%	0.85
212	Mining, except oil & gas	\$26,183	0.32%	-11.9%	\$740	0.22%	-41.1%	0.70
211	Oil & gas extraction	\$55,341	0.67%	-38.8%	\$343	0.10%	-56.4%	0.15
313-4	Textile & textile product mills	\$27,231	0.33%	-21.5%	\$365	0.11%	19.1%	0.33
213	Support activities for mining	\$13,325	0.16%	31.7%	\$97	0.03%	60.0%	0.18
485	Transit & ground passenger transportation	\$14,824	0.18%	24.1%	\$218	0.07%	32.0%	0.36
315	Apparel	\$24,869	0.30%	-34.3%	\$235	0.07%	19.0%	0.23
<u>Slower Growing Industries^ Concentrated in Ohio</u>				24.85%			33.79%	
44-45	Retail trade	\$589,869	7.13%	30.9%	\$24,809	7.43%	10.4%	1.04
622-3	Hospitals & nursing & residential care facilities	\$215,881	2.61%	20.1%	\$10,763	3.22%	11.6%	1.23
55	Management of companies & enterprises	\$124,084	1.50%	8.5%	\$6,519	1.95%	11.7%	1.30
332	Fabricated metal products	\$109,225	1.32%	5.7%	\$9,467	2.83%	-0.4%	2.15
325	Chemical	\$150,731	1.82%	25.4%	\$7,041	2.11%	9.2%	1.16
22	Utilities	\$169,896	2.05%	7.2%	\$7,607	2.28%	-12.8%	1.11
311-2	Food products	\$134,137	1.62%	17.6%	\$6,451	1.93%	5.4%	1.19
333	Machinery	\$100,278	1.21%	15.4%	\$6,818	2.04%	-3.4%	1.68
331	Primary metals	\$47,528	0.57%	-24.7%	\$8,215	2.46%	-50.4%	4.28
326	Plastics & rubber products	\$57,100	0.69%	10.1%	\$5,555	1.66%	-9.7%	2.41
3364-9	Other transportation equipment	\$54,256	0.66%	23.9%	\$2,287	0.68%	40.1%	1.04

Table A18: Growth and Industry Concentration in Ohio's Economy, 1997-2007

1997 NAICS Codes	Major Industry Titles	U.S.			Ohio			1997 Ohio::U.S. Concentration Ratio
		1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	
<u>Slower Growing Industries^ Concentrated in Ohio (continued)</u>								
335	Electrical equipment & appliances	\$45,611	0.55%	-4.0%	\$4,152	1.24%	-15.9%	2.25
487-8, 492	Other transportation & support activities	\$57,183	0.69%	30.7%	\$2,351	0.70%	17.8%	1.02
322	Paper	\$53,563	0.65%	-15.4%	\$2,438	0.73%	-21.4%	1.13
327	Nonmetallic mineral products	\$39,368	0.48%	-12.4%	\$3,469	1.04%	-46.7%	2.18
323	Printing & related support activities	\$37,097	0.45%	-2.8%	\$1,882	0.56%	-4.0%	1.26
337	Furniture & related products	\$27,809	0.34%	5.5%	\$1,268	0.38%	8.5%	1.13
562	Waste management & remediation srvcs.	\$21,756	0.26%	29.3%	\$969	0.29%	4.6%	1.10
482	Rail transportation	\$19,736	0.24%	12.5%	\$803	0.24%	-2.9%	1.01
<u>Faster Growing Industries^ Not Concentrated in Ohio</u>								
			28.64%			22.96%		
42	Wholesale trade	\$524,856	6.35%	69.8%	\$21,062	6.31%	50.5%	0.99
5412-4, 6-9	Other professional, scientific & technical srvcs.	\$319,514	3.86%	42.3%	\$9,914	2.97%	21.6%	0.77
621	Ambulatory health care srvcs.	\$249,392	3.02%	42.2%	\$9,800	2.93%	36.4%	0.97
561	Administrative & support srvcs.	\$192,265	2.32%	49.4%	\$7,628	2.28%	32.8%	0.98
722	Food services & drinking places	\$150,203	1.82%	35.6%	\$5,846	1.75%	19.9%	0.96
513	Broadcasting & telecommunications	\$205,876	2.49%	116.2%	\$5,833	1.75%	70.0%	0.70
5415	Computer systems design & related srvcs.	\$75,514	0.91%	128.5%	\$2,338	0.70%	130.7%	0.77
532-3	Rental & leasing srvcs., leasing intangible assets	\$106,382	1.29%	43.8%	\$3,518	1.05%	17.7%	0.82
511	Publishing including software	\$82,120	0.99%	62.8%	\$2,700	0.81%	42.3%	0.81
324	Petroleum & coal products	\$43,615	0.53%	57.7%	\$1,047	0.31%	37.5%	0.59
334	Computer & electronic products	\$155,760	1.88%	774.3%	\$2,438	0.73%	683.9%	0.39
624	Social assistance	\$39,253	0.47%	41.8%	\$1,197	0.36%	51.3%	0.76
523	Securities, commodity contracts, investments	\$118,295	1.43%	145.4%	\$1,630	0.49%	97.7%	0.34
514	Information & data processing srvcs.	\$29,788	0.36%	152.8%	\$847	0.25%	23.1%	0.70
525	Funds, trusts & other financial vehicles	\$9,854	0.12%	197.8%	\$129	0.04%	108.2%	0.32
512	Motion picture & sound recording industries	\$31,572	0.38%	42.6%	\$219	0.07%	6.6%	0.17
113-5	Forestry, fishing & related activities	\$20,419	0.25%	52.5%	\$227	0.07%	45.1%	0.28
486	Pipeline transportation	\$7,164	0.09%	63.3%	\$81	0.02%	104.2%	0.28
483	Water transportation	\$6,956	0.08%	98.9%	\$218	0.07%	-37.8%	0.78
<u>Faster Growing Industries^ Concentrated in Ohio</u>								
521-2	Federal Reserve, credit intermediation, etc.	\$247,887	3.00%	52.2%	\$11,657	3.49%	34.6%	1.16
524	Insurance carriers & related activities	\$206,377	2.50%	36.6%	\$9,304	2.79%	21.4%	1.12
3361-3	Motor vehicles, bodies, trailers & parts	\$96,118	1.16%	51.3%	\$14,056	4.21%	27.8%	3.62
484	Truck transportation	\$80,331	0.97%	34.0%	\$3,865	1.16%	35.3%	1.19

Table A18: Growth and Industry Concentration in Ohio's Economy, 1997-2007

1997 NAICS Codes	Major Industry Titles	U.S.			Ohio			1997 Ohio::U.S. Concen- tration Ratio
		1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	1997 Value (in millions)*	Percent of the Economy*	Real Growth to 2007^	
<u>Faster Growing Industries^ Concentrated in Ohio (continued)</u>								
493	Warehousing & storage	\$21,936	0.27%	48.3%	\$928	0.28%	103.0%	1.05
339	Miscellaneous mfg.	\$46,467	0.56%	56.1%	\$1,961	0.59%	-0.1%	1.05

Notes: * - in or based on current dollars, but components may not sum to totals due to rounding; ^ - after adjusting for inflation; slower or faster than the national average of 33.5 percent; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

Abbreviations used: etc. - related services; mfg. - manufacturing; p - part; srvcs. - services.

Source: U.S. Bureau Economic Analysis (2011).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 8/11).

Table A19: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1997-2007 (chained 2005 dollars)

1997 NAICS Codes	Industry Titles	Ohio			U.S.		
		Real GDP (millions)		Percent Change 1997-2007	Real GDP (millions)		Percent Change 1997-2007
		1997	2007		1997	2007	
11-92	All Industries	\$397,368	\$442,603	11.4%	\$9,847,070	\$13,143,700	33.5%
111-12	Crop & animal production (farms)	\$2,089	\$1,971	-5.6%	\$72,511	\$90,348	24.6%
113-15	Forestry, fishing & related activities	\$204	\$296	45.1%	\$18,407	\$28,066	52.5%
211	Oil & gas extraction	\$1,545	\$673	-56.4%	\$249,314	\$152,560	-38.8%
212	Mining, exc. oil & gas	\$1,023	\$603	-41.1%	\$36,209	\$31,915	-11.9%
213	Support activities for mining	\$165	\$264	60.0%	\$22,524	\$29,661	31.7%
22	Utilities	\$8,950	\$7,807	-12.8%	\$199,882	\$214,213	7.2%
23	Construction	\$22,498	\$14,588	-35.2%	\$582,607	\$562,294	-3.5%
321	Wood products	\$1,085	\$1,136	4.7%	\$31,584	\$35,385	12.0%
327	Nonmetallic mineral products	\$3,966	\$2,114	-46.7%	\$45,013	\$39,409	-12.4%
331	Primary metals	\$9,794	\$4,858	-50.4%	\$56,664	\$42,686	-24.7%
332	Fabricated metal products	\$10,666	\$10,622	-0.4%	\$123,061	\$130,042	5.7%
333	Machinery	\$7,217	\$6,974	-3.4%	\$106,141	\$122,457	15.4%
334	Computer & electronic products	\$442	\$3,465	683.9%	\$28,221	\$246,748	774.3%
335	Electrical equipment & appliances	\$4,082	\$3,435	-15.9%	\$44,833	\$43,041	-4.0%
3361-63	Motor vehicles, bodies, trailers & parts	\$11,564	\$14,775	27.8%	\$79,079	\$119,673	51.3%
3364-69	Other transportation equipment	\$3,053	\$4,277	40.1%	\$72,439	\$89,740	23.9%
337	Furniture & related products	\$1,435	\$1,557	8.5%	\$31,481	\$33,198	5.5%
339	Miscellaneous mfg.	\$2,091	\$2,088	-0.1%	\$49,541	\$77,322	56.1%
311-12	Food products	\$8,161	\$8,603	5.4%	\$169,704	\$199,616	17.6%
313-14	Textile & textile product mills	\$367	\$437	19.1%	\$27,421	\$21,516	-21.5%
315	Apparel	\$216	\$257	19.0%	\$22,898	\$15,049	-34.3%
322	Paper	\$2,848	\$2,239	-21.4%	\$62,564	\$52,924	-15.4%
323	Printing & related support activities	\$1,955	\$1,876	-4.0%	\$38,536	\$37,466	-2.8%
324	Petroleum & coal products	\$1,755	\$2,413	37.5%	\$73,083	\$115,228	57.7%
325	Chemical	\$8,068	\$8,809	9.2%	\$172,711	\$216,650	25.4%
326	Plastics & rubber products	\$5,723	\$5,170	-9.7%	\$58,827	\$64,796	10.1%
42	Wholesale trade	\$18,650	\$28,062	50.5%	\$464,736	\$789,031	69.8%
44-45	Retail trade	\$27,809	\$30,705	10.4%	\$661,196	\$865,419	30.9%
481	Air transportation	\$769	\$1,400	82.1%	\$43,102	\$57,103	32.5%

Table A19: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1997-2007 (chained 2005 dollars)

1997 NAICS Codes	Industry Titles	Ohio			U.S.		
		Real GDP (millions)		Percent Change 1997-2007	Real GDP (millions)		Percent Change 1997-2007
		1997	2007		1997	2007	
482	Rail transportation	\$977	\$949	-2.9%	\$23,999	\$27,006	12.5%
483	Water transportation	\$286	\$178	-37.8%	\$9,113	\$18,128	98.9%
484	Truck transportation	\$4,590	\$6,211	35.3%	\$95,402	\$127,856	34.0%
485	Transit & ground passenger transportation	\$269	\$355	32.0%	\$18,330	\$22,754	24.1%
486	Pipeline transportation	\$71	\$145	104.2%	\$6,338	\$10,350	63.3%
487-88, 92	Other transportation & support activities	\$2,832	\$3,336	17.8%	\$68,892	\$90,051	30.7%
493	Warehousing & storage	\$1,083	\$2,199	103.0%	\$25,603	\$37,975	48.3%
511	Publishing including software	\$3,000	\$4,270	42.3%	\$91,230	\$148,501	62.8%
512	Motion picture & sound recording industries	\$290	\$309	6.6%	\$41,785	\$59,583	42.6%
513	Broadcasting & telecommunications	\$4,765	\$8,101	70.0%	\$168,195	\$363,678	116.2%
514	Information & data processing services	\$875	\$1,077	23.1%	\$30,761	\$77,756	152.8%
521-22	Fed. reserve banks, credit intermediation & related svcs.	\$14,559	\$19,592	34.6%	\$309,594	\$471,165	52.2%
523	Securities, commodity contracts, investments	\$987	\$1,951	97.7%	\$71,616	\$175,740	145.4%
524	Insurance carriers & related activities	\$12,671	\$15,386	21.4%	\$281,077	\$384,013	36.6%
525	Funds, trusts & other financial vehicles	\$194	\$404	108.2%	\$14,801	\$44,082	197.8%
531	Real estate	\$38,642	\$41,372	7.1%	\$1,159,450	\$1,509,590	30.2%
532-33	Rental & leasing services & lessors of intangible assets	\$4,137	\$4,868	17.7%	\$125,120	\$179,923	43.8%
5411	Legal services	\$4,267	\$4,281	0.3%	\$154,535	\$190,822	23.5%
5415	Computer systems design & related services	\$2,157	\$4,977	130.7%	\$69,675	\$159,233	128.5%
5412-4, 6-9	Other professional, scientific & technical services	\$12,970	\$15,778	21.6%	\$417,999	\$594,799	42.3%
55	Management of companies & enterprises	\$10,496	\$11,722	11.7%	\$199,770	\$216,813	8.5%
561	Administrative & support services	\$9,351	\$12,421	32.8%	\$235,704	\$352,190	49.4%
562	Waste management & remediation services	\$1,273	\$1,332	4.6%	\$28,566	\$36,924	29.3%
61	Educational services	\$3,374	\$3,576	6.0%	\$108,668	\$121,824	12.1%
621	Ambulatory health care services	\$11,960	\$16,315	36.4%	\$304,344	\$432,892	42.2%
622-23	Hospitals & nursing & residential care facilities	\$15,406	\$17,187	11.6%	\$309,016	\$371,114	20.1%
624	Social assistance	\$1,652	\$2,499	51.3%	\$54,164	\$76,823	41.8%
711-12	Performing arts, museums & related activities	\$1,578	\$1,655	4.9%	\$52,779	\$66,112	25.3%
713	Amusements, gambling & recreation	\$1,666	\$1,507	-9.5%	\$52,338	\$60,377	15.4%
721	Accommodation	\$1,592	\$1,582	-0.6%	\$88,662	\$112,229	26.6%
722	Food services & drinking places	\$7,604	\$9,117	19.9%	\$195,368	\$264,939	35.6%

Table A19: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1997-2007 (chained 2005 dollars)

1997 NAICS Codes	Industry Titles	Ohio			U.S.		
		Real GDP (millions)		Percent Change 1997-2007	Real GDP (millions)		Percent Change 1997-2007
		1997	2007		1997	2007	
81	Other services, exc. government	\$11,910	\$10,675	-10.4%	\$320,494	\$319,451	-0.3%
92a	Civilian (inc. Postal Service)	\$8,329	\$7,394	-11.2%	\$279,859	\$272,821	-2.5%
92b	Military	\$1,856	\$1,938	4.4%	\$135,234	\$144,824	7.1%
92c	State & local	\$37,699	\$37,301	-1.1%	\$964,067	\$1,104,140	14.5%

Notes: Individual figures may not sum to the totals. Abbreviations used: exc. - except; fed. - federal; inc. - including; mfg. - manufacturing; svcs. - services.

Sources: Downey and Aman (2006), U.S. Bureau of Economic Analysis (2011), Woodruff, *et.al.* (2006).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 8/11).

NOTES

- 1 The choice of start and end points for a period can affect how changes during that time are viewed. What looks like a trend with one set of points for one time period may appear as a random fluctuation with another set of points for another, overlapping time period. This is especially true when the time periods are short. Furthermore, initial figures usually are revised when additional information becomes available later. Interpretations of trends often change as a consequence. (See Appelbaum, 2001, for a more detailed discussion.) Caution is warranted.
- 2 The Central Intelligence Agency (CIA) offers two measures of countries' Gross Domestic Products (GDPs) – one based on Purchasing Power Parity (PPP), and the other based on Official Exchange Rates (OER). It believes that the PPP data “probably provide the best available starting point for comparisons of economic strength and well-being between countries” because the OER “method involves a variety of international and domestic financial forces that may not capture the value of domestic output.” However, while “PPP estimates for OECD [Organization of Economic Cooperation and Development] countries are quite reliable, PPP estimates for developing countries are often rough approximations.” (Some countries do not formally participate in the World Bank’s PPP project. Furthermore, there may be a relative lack of comparable price information between the U.S and another country. For example, what are the prices in America for oxcarts and non-U.S. military equipment?) “Most of the GDP estimates for developing countries are based on extrapolation of PPP number published by the [United Nations] International Comparison Program... and by Professors Robert Summers and Alan Heston of the University of Pennsylvania and their colleagues.” Check the CIA (2011) and OECD (2011) websites for more technical and detailed discussions of the subjects.
- 3 Table A15 and the related graph on page 85 illustrate the strong association between GDP and County Business Patterns employment concentration ratios in 2009. The strength of these associations means that the County Business Patterns concentration ratios *for industry groups* shown in Table A16 generally are good proxies for GDP data in specifying our understanding of sectors and major industries concentrated in Ohio. They also may point to groups that are exceptions in sectors and major industries not concentrated here.
- 4 Similarly, manufacturing products made from leather (except footwear) is concentrated in Ohio, but the production of leather itself is not (U.S. Bureau of the Census, 2011a). GDP data for the leather industry (316) are not available.
- 5 Examples include fee or contract-based exploring, drilling, coring, testing and making geological observations.

- 6 Ohio has 4.8 percent of the country's coal reserves, but only 2.3 percent of U.S. coal mined in 2009 came from Ohio. Ohio ranked 7th in the former and 8th in the latter (U.S. Bureau of the Census, 2010: tables 914 & 915).
- 7 "Other transportation and support activities" is a hodge-podge of airport operations, air traffic control, crating-packing-cargo handling, freight transportation arrangement, port operations, sightseeing and scenic travel (regardless of mode), towing, and navigational, courier and rail car services – among other things.
- 8 This is due to "an imputation for the rental value of owner-occupied housing. The Bureau of Economic Analysis (BEA) treats homeowners as businesses, which pay rent to themselves. Therefore, homeowners contribute to the real estate industry's Gross Domestic Product even if not employed by the industry. In addition, like businesses, homeowners' property taxes paid to state and local governments are included as part of taxes on production and imports (TOPI) for the real estate industry" (U.S. BEA, 2011).
- 9 County Business Patterns data are now published under the 2007 NAICS, while BEA GDP data are still published under the 1997 NAICS. That is why the graph on page 38 shows data for NAICS 513 and 514 while table A16, page 95, shows data for NAICS 515, 517, 518 and 519.
- 10 Ohio was among the states hit hardest by the recession. Only Arizona, Florida, Michigan and Nevada experienced notably larger percentage drops in their state GDPs, while output from Georgia and Indiana fell at rates essentially proportional with Ohio (U.S. BEA, 2011).
- 11 Revised figures recently released by the U.S. BEA (2011) show national output from late 2007 to mid-2009 shrinking at an annual rate of 3.5 percent, much worse than the earlier estimate of 2.8 percent. How the estimates for Ohio will change remains to be seen, but it is easy to imagine they will be revised downward too.
- 12 The chart covers all aspects of each economy without the duplication that would occur if higher summary levels were included. In other words, data for sectors are presented only if lower level data are not available – for example, utilities and construction. If industry group data are available, such as in the transportation and professional-scientific-technical sectors, then the major industry summary is not shown.
- 13 Economic forecasts are often imprecise due to any number of factors. These include, but are not limited to: the impact of unforeseeable events, limited data, an incomplete understanding of the economy, and assumptions about the economy that may not be entirely justified.

SOURCES AND REFERENCES CITED

American Iron & Steel Institute, 1974-2004

Annual Statistical Report. Washington, D.C.: the Institute.

Appelbaum, Binyamin, 2011

“On Economy, Raw Data Gets a Grain of Salt,” New York Times, August 16. Found at <<http://www.nytimes.com/>>.

Automotive News, 2011

2011 Market Data: North American Production. Found at <<http://www.autonews.com/datacenter>>.

Central Intelligence Agency (CIA), 2011

See <<https://www.cia.gov/>>, and check “World Factbook.”

Coakley, Caitlin E., et.al., 2009

“Gross Domestic Product Data by State: Advance Statistics for 2008 and Revised Statistics for 2005-2007,” Survey of Current Business, Vol. 89, No. 6 (June), pp. 62-91.

Downey, George K., and Gerard P. Aman, 2006

“Gross Domestic Product by State Estimation Methodology.” Found at <<http://www.bea.doc.gov/bea/regional/gsp/help/>>.

ELM International, Inc., 2010

Data found at <<http://www.elm-intl.com/>>.

Fortune, 2011

See <<http://www.fortune.com/>>. Look for the Fortune U.S. 1,000 list.

International Iron and Steel Institute, 2010

See <<http://www.worldsteel.org/index.php>> and check various tables.

Moody's, 2011

Moody's Analytics / Précis U.S. State / Midwest / June. Found at <<http://www.economy.com/home/products/...>>.

Office of Management and Budget, 1998

North American Industry Classification System: United States, 1997. Lanham, Md.: Bernan Press.

_____, 2007

North American Industry Classification System: United States, 2007. Lanham, Md.: Bernan Press.

Ohio Dept. of Job and Family Services, 2011

See <<http://ohiolmi.com/>>, and check “Data” and then “Employment Projections by Occupation and Industry.”

Ohio Steel Council, 2010

See <<http://www.ohiosteel.org/>>, and check “Steel News” and then “Current Data Reports.”

Organization for Economic Cooperation and Development (OECD), 2011

Start with <<http://www.oecd.org/>> and search on “PPP” for a discussion of purchasing power parities.

U.S. Bureau of the Census, 2010

Statistical Abstract of the United States: 2011 (130th ed.). Washington, D.C.: the Bureau.

_____, 2011a

Cbp09st.txt and cbp09us.txt [machine-readable state and national County Business Patterns data files] / prepared by the Bureau. Washington, D.C.: the Bureau [producer and distributor].

_____, 2011b

Population estimates and census counts found at <<http://www.census.gov/>>.

U.S. Bureau of Economic Analysis (BEA), 2011

See <<http://www.bea.gov/>> and check “GDP by State and Metropolitan Area.”

Woodruff, Clifford H. III, et.al., 2007

“Gross Domestic Product Data by State: Advance Estimates for 2006 and Revised Estimates for 2003-2005,” Survey of Current Business, Vol. 87, No. 7 (July), pp. 111-139.

Woods, Rose A., 2009

“Industry output and employment projections to 2018,” Monthly Labor Review, Vol. 132, No. 11 (November), pp. 52-80.