Ohio | Department of Development

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

GROSS DOMESTIC PRODUCT OF OHIO

January 2009

Ted Strickland, Governor of Ohio
Lee Fisher, Lt. Governor of Ohio
Director, Ohio Department of Development

Ohio | Department of Development

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Lee Fisher, Lt. Governor
Director, Ohio Department of Development

Dear Fellow Ohioan:

I am pleased to present to you Ohio's Gross Domestic Product Report, which contains the most current facts and statistics on the size and direction of all 20 major sectors of our state's economy.

At $466.3 billion, our Gross Domestic Product makes Ohio the seventh largest state economy and contributes 3.4 percent of the national total. If Ohio were a separate country, it would be the 26th largest in the world.

Our manufacturing heritage continues to drive Ohio's economy into the 21st century. The manufacturing sector contributed $85.1 billion to Ohio's economy in 2007, ranking the state third in the nation. Manufacturing represented 18.2 percent of the state's total economic output and 5.3 percent of the entire nation's output. Within manufacturing, the electrical equipment and appliances as well as the plastics and rubber products industries were ranked first in the nation for total output.

Ohio's diversity of industries has placed our state among world market leaders. This diversity is complemented by an unmatched business environment that encourages the corporate growth and profitability necessary for success on the job, and a variety of cultural, educational, and recreational opportunities that provide comfortable, satisfying lifestyles away from the workplace. Ohio's unique combination of life and work amenities makes Ohio a leader in providing the kind of balance employees strive for in their lives.

I invite you to review the attached report to expand your understanding of Ohio's large and diverse economy. We welcome your input; if you have any questions or comments, please contact John Magill, Chief Strategic Officer at (614) 466-2116.

Sincerely,

Lee Fisher
Lieutenant Governor
Director, Ohio Department of Development

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GROSS DOMESTIC PRODUCT FROM OHIO

JANUARY 2009

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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 – i.e., 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 (which readers may wish to review before proceeding) 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 details industry estimates, concentrating on 1997-2006, which were 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 2007. Both of the latter will be further revised next year when more information becomes available. Many figures in this report have been revised from previous report based on the BEA's incorporation of initial data from 2006 and revised data from 2005 for Annual Survey of Manufactures as well as 2005 State and Local Government Finance data (both Census Bureau products), as well as the routine revisions made by the BEA. See Broda and Coakley (2008) 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 GDP – the total net value of goods and services produced here – is initially estimated at $466.3 billion (B) for 2007, up 3.3 percent from the revised estimate of $451.6B for 2006, and up 25.4 percent from 2000.

- Ohio is the 7th largest source for GDP among the 50 states and the District of Columbia, with 3.4 percent of the national total in 2007.

- If Ohio was a separate country, it would be the 26th largest national economy in the world.

- Manufacturing is the largest of the 20 sectors of Ohio's economy with 18.2 percent of total output in 2007; durable goods were nearly 12.3 percent and non-durable goods were almost 6.0 percent.

- Ohio's manufacturing sector produced $85.1 B worth of goods – 5.3 percent of national sector production in 2007, ranking it 3rd in the nation after California and Texas.

- Ohio is the leading source in the country for plastic and rubber products as well as electrical equipment and appliances.

- Ohio ranks 2nd in manufacturing transportation equipment – particularly motor vehicles, bodies, trailers, and parts – as well as primary metal production.

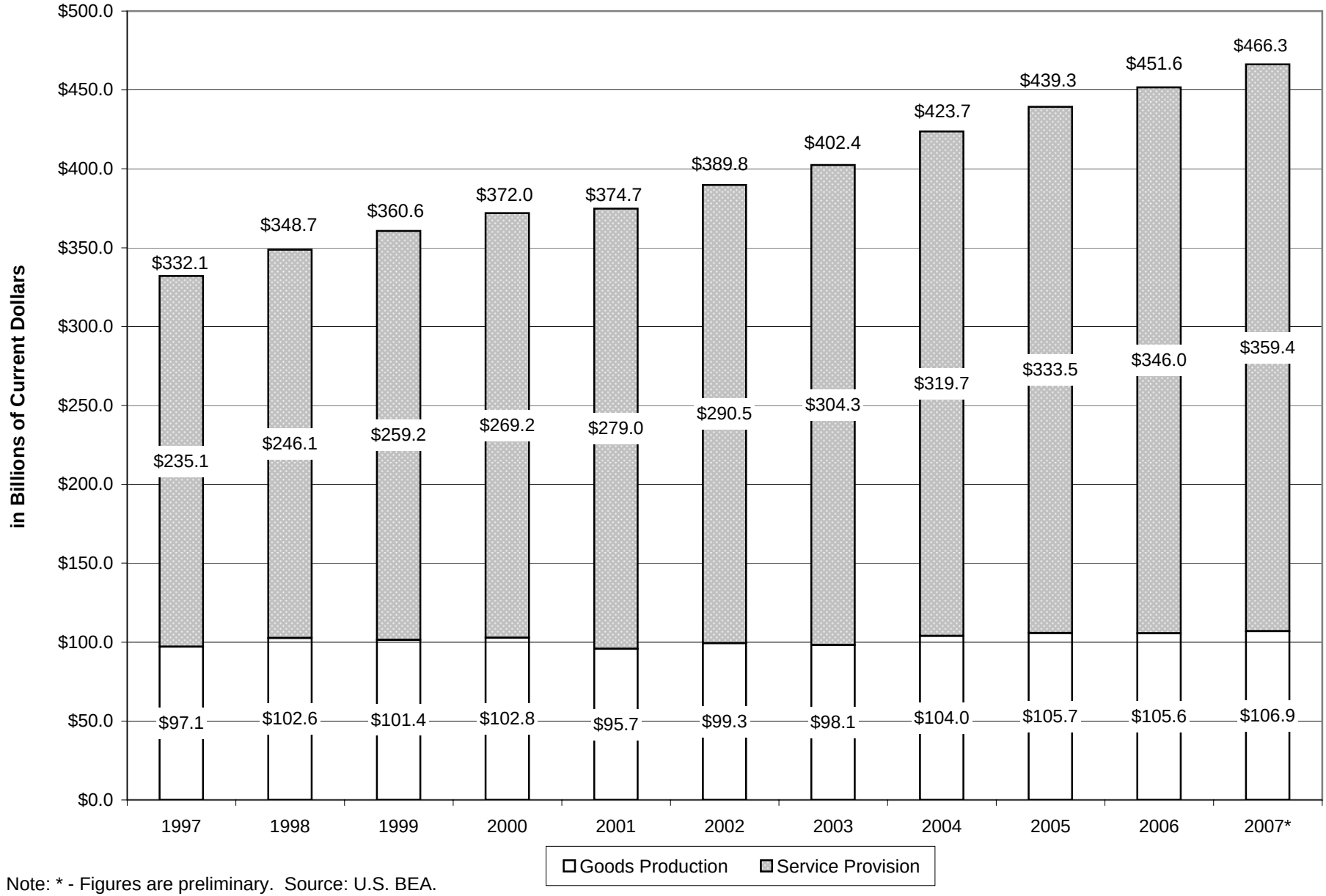
- Service sectors concentrated in Ohio include the management of companies and enterprises (59 companies on Fortune magazine's list of the 1,000 largest U.S. corporations have their headquarters here), the provision of health care and social assistance, and transportation and warehousing.

- The faster-growing sectors in the near future are expected to be wholesale and retail trade, information, finance-insurance-real estate-leasing, professional-scientific-technical services, managing companies and enterprises, administrative support-waste management-remediation, health care-social assistance, and arts-entertainment-recreation.

- About one-half of the state's GDP is created in its three largest metropolitan areas: Cincinnati-Middletown, Cleveland-Elyria-Mentor, and Columbus.

- Akron, Huntington-Ashland, and Wheeling have grown at the fastest rates since 2001.

Ohio's Gross Domestic Product, 1997-2007



Note: * - Figures are preliminary. Source: U.S. BEA.

GROSS DOMESTIC PRODUCT FROM OHIO: 1997 - 2007

The graph above shows that the value of goods and services produced in Ohio rose from $332.1B in 1997 to $466.3B in 2007. Goods production rose from $97.1B to $102.8B in 2000 before falling to $95.7B in 2001 and rising to $106.9B in 2007. The provision of services increased without interruption from $235.1B to $359.4B during the 10 years. Consequently, services became an even larger part of Ohio's economy, rising from 70.8 percent to 77.1 percent during this time (U.S. BEA, 2008).

What happened in Ohio was part of a larger but less-pronounced change throughout the country. The goods-producing sectors' share of total U.S. GDP fell from 22.1 percent in 1997 to 19.0 percent in 2007, and the complementary share of service providers rose from 77.9 percent to 81.0 percent (U.S. BEA, 2008). While both the state and national figures are consistent with the longer-term relative shift from goods production to service provision, figures in the appendix tables illustrate the more cyclical ups and downs of output from the goods-producing sectors.[1]

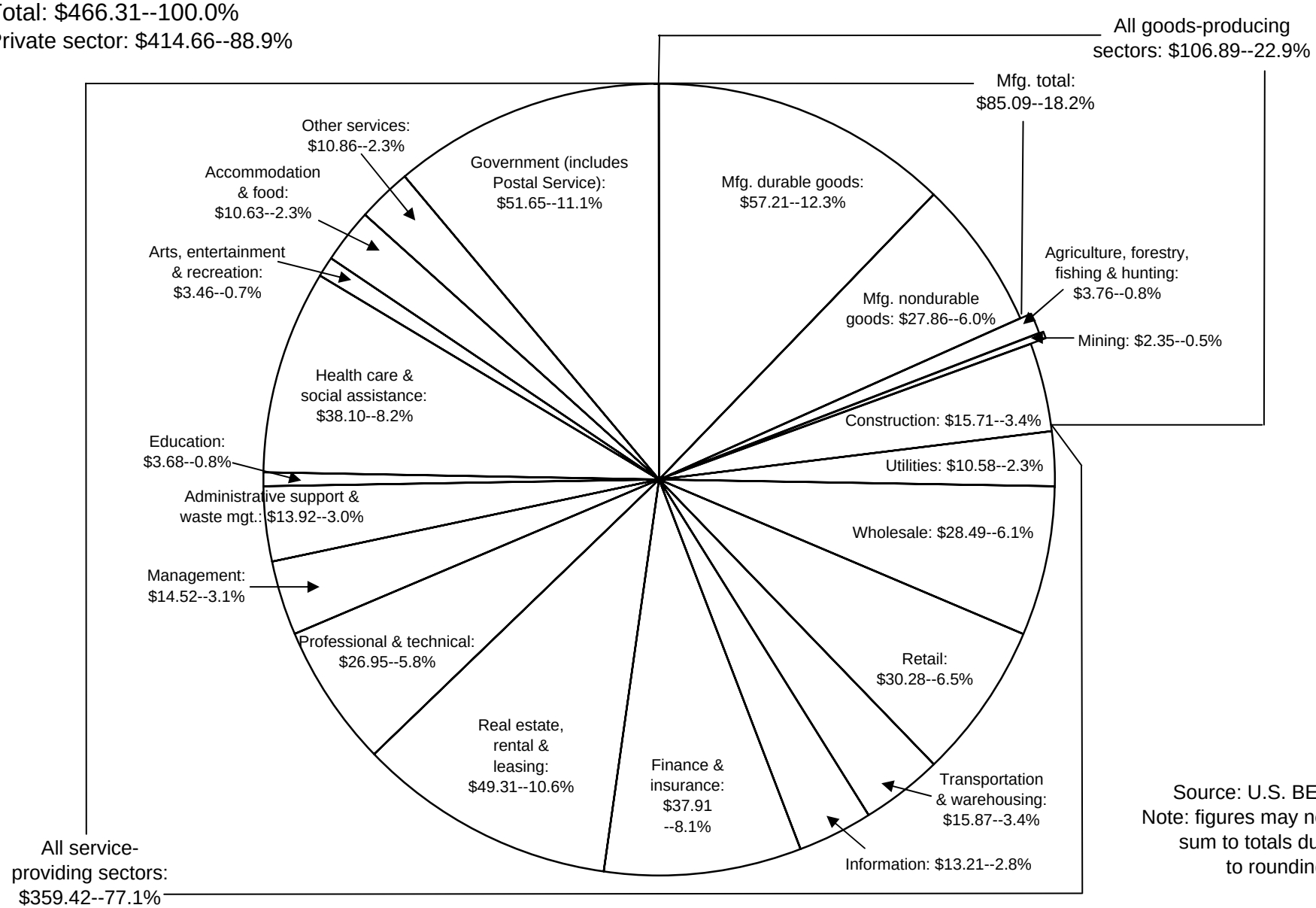
It also is important to note that the chart above makes no adjustment for inflation. Consequently, it cannot be determined from current dollar figures how much of the year-to-year changes seen above are due to real economic growth, and how much are due to simple price increases. That issue is addressed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

See Tables A1, A3, A4, A7 & A8

Ohio's Gross Domestic Product by Sector: Initial Figures for 2007

(in billions, except percentages)

Total: $466.31--100.0%
Private sector: $414.66--88.9%



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

THE COMPOSITION OF OHIO'S ECONOMY IN 2007

The chart above illustrates the distribution of economic activity in Ohio under the North American Industry Classification System (NAICS). Ohio's total economic output of $466.31 billion (B) in 2007 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, with such establishments producing a total of $85.09B worth of goods that year, or 18.2 percent of the state's total economic output. Manufacturers are subdivided into producers of durable and non-durable goods, with the former producing about twice as much as the latter: $57.21B or 12.3 percent, compared with $27.86B or 6.0 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: $15.71B – 3.4 percent; agriculture, forestry, fishing and hunting: $3.76B – 0.8 percent; and mining: $2.35B – .5 percent. Goods production in the state totaled $106.89B, or 22.9 percent of the total GDP from Ohio.

Services provided by public and private sectors in Ohio were $359.42B, or 77.1 percent of its economy. Total private sector services (i.e., excluding government services) were $307.77B, or 66.0 percent of total GDP from Ohio. Real estate, rental and leasing is the largest private sector service with a value of $49.31B, 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 and finance-and-insurance are the next largest sectors, each contributing about $38B – 8.1 percent – to the economy. The only other private service sectors providing at least 5.0 percent of Ohio's economic output were wholesale and retail trade – 6.1 and 6.5 percent, respectively, and professional-and-technical services – 5.8 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 11.1 percent of the economy.

See Table A1

Gross Domestic Products for Metropolitan Areas in Ohio, 2006 (in millions, except percentages)

		Private Sector*						Government*	
		Goods-Producing				Service-Providing			
				Manufacturing					
Area	Total	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
U.S.	$13,119,938	$2,567,537	19.6%	$1,549,725	11.8%	$8,988,507	68.5%	$1,563,894	11.9%
Ohio	$451,600	$105,608	23.4%	$82,878	18.4%	$296,282	65.6%	$49,710	11.0%
Akron, OH	$26,179	$6,155	23.5%	$4,975	19.0%	$17,207	65.7%	$2,817	10.8%
Canton-Massillon, OH	$12,541	$3,742	29.8%	$2,869	22.9%	$7,633	60.9%	$1,166	9.3%
Cincinnati-Middletown, OH-KY-IN	$93,370	$19,491	20.9%	D	D	$65,427	70.1%	$8,452	9.1%
Cleveland-Elyria-Mentor, OH	$101,605	$20,506	20.2%	$16,597	16.3%	$71,420	70.3%	$9,680	9.5%
Columbus, OH	$85,514	$12,505	14.6%	$8,881	10.4%	$63,058	73.7%	$9,950	11.6%
Dayton, OH	$33,547	$7,042	21.0%	$5,891	17.6%	$21,065	62.8%	$5,440	16.2%
Huntington-Ashland, WV-KY-OH	$8,713	$2,203	25.3%	$1,634	18.8%	$5,266	60.4%	$1,243	14.3%
Lima, OH	$4,126	$1,565	37.9%	$1,364	33.1%	$2,161	52.4%	$400	9.7%
Mansfield, OH	$3,801	D	D	$1,191	31.3%	D	D	$497	13.1%
Parkersburg-Marietta-Vienna, WV-OH	$5,240	$1,499	28.6%	D	D	$3,023	57.7%	$718	13.7%
Sandusky, OH	$2,960	$1,064	35.9%	$940	31.8%	$1,576	53.2%	$319	10.8%
Springfield, OH	$3,384	D	D	$675	19.9%	D	D	$419	12.4%
Toledo, OH	$25,582	$6,809	26.6%	$5,278	20.6%	$15,794	61.7%	$2,978	11.6%
Weirton-Steubenville, WV-OH	$3,375	$1,047	31.0%	$893	26.5%	$1,988	58.9%	$339	10.0%
Wheeling, WV-OH	$4,595	$1,187	25.8%	$562	12.2%	$2,837	61.7%	$572	12.4%
Youngstown-Warren-Boardman, OH-PA	$17,199	$5,325	31.0%	$4,462	25.9%	$10,046	58.4%	$1,828	10.6%

Note: * - components may not sum to total due to rounding; D - suppressed to maintain confidentiality.

Source: U.S. BEA (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

THE DISTRIBUTION OF GROSS DOMESTIC PRODUCTS IN METROPOLITAN AREAS, 2006

The U.S. Bureau of Economic Analysis (BEA) publishes gross domestic product (GDP) data for metropolitan areas (MAs). The table above shows the GDP for the 16 MAs 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, despite the uncertainty of how much of Cincinnati's GDP originates in Ohio, it is probably safe to say that these three MAs combine to account for roughly one-half of the state's GDP. Other MAs contributing at least $10 billion to the GDP include, in descending order, Dayton, Akron, Toledo, Youngstown-Warren-Boardman – including the portion in Pennsylvania, and Canton-Massillon.

The table above also displays the amounts and percentages of GDP derived from 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 MAs 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 19.6 percent than they are to the state average of 23.4 percent. Columbus is the only MA in Ohio whose portion of GDP from goods-production is less than the national average. Conversely put, the emphasis on services means these MAs more closely resemble the national economy than the state's economy.

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

Federal, state and local government contributions to the MAs' GDPs ranged from 9.1 percent in Cincinnati to 16.2 percent in Dayton. The relatively high percentage for Dayton may reflect 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, 2007		Totals, 2007			Manufacturing, 2007			Durable Goods, 2007		
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	$65,610.0	U.S.	$13,743.0	100.00%	U.S.	$1,615.8	100.00%	U.S.	$926.7	100.00%
1	United States	$13,780.0	California	$1,813.0	13.19%	California	$179.0	11.08%	California	$102.7	11.08%
2	China	$7,099.0	Texas	$1,142.0	8.31%	Texas	$153.2	9.48%	Texas	$77.0	8.31%
3	Japan	$4,272.0	New York	$1,103.0	8.03%	**Ohio**	**$85.1**	**5.26%**	**Ohio**	**$57.2**	**6.17%**
4	India	$2,966.0	Florida	$734.5	5.34%	Illinois	$76.6	4.74%	Michigan	$49.4	5.33%
5	Germany	$2,807.0	Illinois	$609.6	4.44%	Pennsylvania	$75.2	4.65%	Illinois	$45.7	4.93%
6	United Kingdom	$2,130.0	Pennsylvania	$531.1	3.86%	North Carolina	$74.3	4.60%	Pennsylvania	$41.9	4.52%
7	Russia	$2,097.0	**Ohio**	**$466.3**	**3.39%**	New York	$66.4	4.11%	Indiana	$40.2	4.34%
8	France	$2,075.0	New Jersey	$465.5	3.39%	Michigan	$64.5	3.99%	North Carolina	$31.0	3.34%
9	Brazil	$1,849.0	North Carolina	$399.4	2.91%	Indiana	$62.7	3.88%	New York	$30.0	3.24%
10	Italy	$1,800.0	Georgia	$396.5	2.89%	Louisiana	$49.7	3.07%	Wisconsin	$29.2	3.15%
11	Spain	$1,361.0	Virginia	$383.0	2.79%	Wisconsin	$47.7	2.95%	Oregon	$25.7	2.77%
12	Mexico	$1,353.0	Michigan	$382.0	2.78%	Georgia	$43.6	2.70%	Florida	$25.4	2.74%
13	Canada	$1,271.0	Massachusetts	$351.5	2.56%	New Jersey	$40.8	2.53%	Massachusetts	$24.6	2.65%
14	South Korea	$1,206.0	Washington	$311.3	2.26%	Tennessee	$39.4	2.44%	Tennessee	$24.3	2.62%
15	Turkey	$853.9	Maryland	$268.7	1.96%	Florida	$36.6	2.26%	Washington	$22.5	2.43%
16	Indonesia	$843.7	Minnesota	$255.0	1.86%	Massachusetts	$34.7	2.15%	Minnesota	$21.2	2.29%
17	Australia	$773.0	Arizona	$247.0	1.80%	Virginia	$33.9	2.10%	Georgia	$19.1	2.07%
18	Iran	$762.9	Indiana	$246.4	1.79%	Minnesota	$33.9	2.10%	Alabama	$18.2	1.96%
19	Taiwan	$698.6	Tennessee	$243.9	1.77%	Washington	$31.1	1.92%	Kentucky	$17.4	1.88%
20	Netherlands	$645.5	Colorado	$236.3	1.72%	Missouri	$30.6	1.89%	Connecticut	$17.4	1.88%
21	Poland	$623.1	Wisconsin	$232.3	1.69%	Oregon	$30.2	1.87%	Arizona	$16.6	1.80%
22	Saudi Arabia	$546.0	Missouri	$229.5	1.67%	Kentucky	$29.1	1.80%	Missouri	$16.5	1.78%
23	Argentina	$526.4	Connecticut	$216.3	1.57%	Alabama	$28.6	1.77%	Virginia	$16.1	1.74%
24	Thailand	$521.5	Louisiana	$216.1	1.57%	Connecticut	$27.4	1.69%	Iowa	$15.4	1.66%
25	South Africa	$467.8	Alabama	$165.8	1.21%	Iowa	$26.1	1.61%	South Carolina	$14.8	1.60%
26	**Ohio**	**$466.3**	Oregon	$158.2	1.15%	South Carolina	$24.5	1.52%	New Jersey	$13.7	1.48%
27	Pakistan	$411.9	Kentucky	$154.2	1.12%	Arizona	$19.6	1.21%	Kansas	$11.2	1.21%
28	Egypt	$405.4	South Carolina	$152.8	1.11%	Kansas	$17.7	1.10%	Arkansas	$9.6	1.03%
29	Belgium	$376.5	Oklahoma	$139.3	1.01%	Arkansas	$16.9	1.05%	Oklahoma	$9.6	1.03%
30	Malaysia	$361.2	Iowa	$129.0	0.94%	Oklahoma	$15.5	0.96%	Colorado	$9.5	1.02%

Notes: * - Purchasing Power Parity basis, except Ohio; source for 2007 estimates except Ohio is the CIA (2008); source for Ohio is U.S. BEA (2008);
^ - preliminary; source is U.S. BEA (2008).

Sources: CIA (2008), U.S. BEA (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 12/08).

OHIO'S RANK AMONG THE STATES AND THE WORLD

If Ohio were a separate country, it would have the 26th largest economy in the world. The U.S. BEA's (2008) preliminary estimate of $466.3 billion (B) for 2007 places Ohio between the Union of South Africa ($467.8B) and Pakistan ($411.9B). Ohio's rank between these two countries reflects the size of their (2008) populations – 48,783,000 and 172,800,000, respectively, vs. 11,486,000 – as well as their levels of economic development (CIA, 2008; U.S. Bureau of the Census, 2006b).[2]

The table above also shows that Ohio ranks 7th in America with 3.39 percent of U.S. GDP. This 7th rank is not, however, uniformly characteristic of every aspect of Ohio's economy. Most notably, Ohio was the 3rd greatest source of manufactured goods in America during 2007. The $85.1B of output was 5.26 percent of the corresponding national total. Ohio also ranked 3rd in durable goods production with $57.2B, or 6.17 percent, of the national total. It is noteworthy that in both instances manufacturing output from Ohio exceeded the corresponding totals of the more populous states: Florida, Illinois, 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 2006. They include electrical equipment and appliances ($3.6B, 7.99 percent of the national total, making Ohio the largest source in the country), plastic and rubber products ($5.6B, 7.90 percent, also ranked 1st), the production of motor vehicles, bodies, trailers, and parts (almost $13B, 13.39 percent, ranked 2nd), and primary metal production ($6.8B, 10.71 percent, also ranked 2nd). Other manufacturing industries with comparatively large contributions to Ohio's total economic output include fabricated metal products ($11B, 8.40 percent, ranked 3rd), machinery ($7B, 5.68 percent, 4th), nonmetallic mineral products ($2.9B, 5.34 percent, also 4th), other transportation equipment ($4.8B, 5.32 percent, 6th), printing and related support activities ($2.4B, 5.29 percent, 7th), furniture and related products ($1.4B, 4.30 percent, also 7th), food products ($6.6B, 4.12 percent, 8th), and paper ($2.1B, 4.06 percent, also 8th).

The table also shows service-providing sectors and major industries making large contributions to Ohio's 7th overall rank in 2006. These include the management of companies and enterprises ($13.8B, 5.68 percent, 4th), truck transportation ($6.1B, 4.91 percent, also 4th), and rail transportation ($1.7B, 4.54 percent, again 4th). (2007 data for major industries are not yet available.)

Ohio and U.S. Gross Domestic Products by Industry, 2006 (in millions of current dollars, except percentages, concentration ratios, and ranks)

1997 NAICS Codes	Industry Titles	GDP Ohio	GDP U.S.	Ohio as a Percent of the U.S.	Ohio::U.S. Concentra-tion Ratio	Ohio's Rank	Top Five States
11-92	All Industries	$451,600	$13,119,938	3.44%	1.00	7	CA, TX, NY, FL, IL
11-81	Private industries	$401,890	$11,556,044	3.48%	1.01	8	CA, TX, NY, FL, IL
11	Agriculture, forestry, fishing & hunting	$2,603	$125,398	2.08%	0.60	15	CA, TX, FL, WA, IA
111-112	Crop & animal production (farms)	$2,302	$95,678	2.41%	0.70	13	CA, TX, IA, NC, FL
113-115	Forestry, fishing & related activities	$301	$29,720	1.01%	0.29	27	CA, WA, FL, TX, OR
21	Mining	$2,282	$262,383	0.87%	0.25	17	TX, LA, OK, CA, AK
211	Oil & gas extraction	$1,052	$159,440	0.66%	0.19	11	TX, LA, OK, AK, CA
212	Mining, exc. oil & gas	$967	$43,492	2.22%	0.65	16	AZ, WV, KY, NV, WY
213	Support activities for mining	$262	$59,452	0.44%	0.13	24	TX, LA, OK, CA, WY
22	Utilities	$9,783	$273,397	3.58%	1.04	7	TX, CA, NY, PA, IL
23	Construction	$17,845	$630,031	2.83%	0.82	11	CA, TX, FL, NY, IL
31-33	Manufacturing	$82,878	$1,549,725	5.35%	1.55	**3**	CA, TX, **OH**, IL, PA
32p & 33	Durable goods	$55,553	$882,845	6.29%	1.83	**3**	CA, TX, **OH**, MI, IL
321	Wood products	$1,133	$37,448	3.03%	0.88	13	CA, OR, NC, TX, PA
327	Nonmetallic mineral products	$2,919	$54,690	5.34%	1.55	**4**	TX, CA, FL, **OH**, PA
331	Primary metals	$6,789	$63,390	10.71%	3.11	**2**	PA, **OH**, IN, TX, IL
332	Fabricated metal products	$11,012	$131,083	8.40%	2.44	**3**	CA, TX, **OH**, IL, PA
333	Machinery	$7,003	$123,204	5.68%	1.65	**4**	TX, IL, CA, **OH**, WI
334	Computer & electronic products	$1,985	$139,708	1.42%	0.41	16	CA, TX, OR, MA, NC
335	Electrical equipment & appliances	$3,593	$44,986	7.99%	2.32	**1**	**OH**, IL, WI, CA, NC
336	Transportation equipment	$17,778	$187,263	9.49%	2.76	**2**	MI, **OH**, CA, IN, WA
3361-3363	Motor vehicles, bodies, trailers & parts	$12,969	$96,859	13.39%	3.89	**2**	MI, **OH**, IN, KY, TN
3364-3369	Other transportation equipment	$4,809	$90,404	5.32%	1.55	6	CA, WA, CT, TX, KS
337	Furniture & related products	$1,351	$31,385	4.30%	1.25	7	MI, CA, NC, IN, TX
339	Miscellaneous mfg.	$1,989	$69,690	2.85%	0.83	11	CA, IN, IL, NY, FL
31 & 32p	Nondurable goods (leather & allied products not shown)	$27,325	$666,879	4.10%	1.19	8	CA, TX, NC, LA, NY
311-312	Food products	$6,617	$160,660	4.12%	1.20	8	NC, CA, TX, VA, GA
313-314	Textile & textile product mills	$317	$19,457	1.63%	0.47	13	GA, NC, SC, CA, AL
315	Apparel	$230	$16,413	1.40%	0.41	15	CA, NY, NC, AL, TX
322	Paper	$2,130	$52,460	4.06%	1.18	8	WI, PA, GA, CA, AL
323	Printing & related support activities	$2,444	$46,188	5.29%	1.54	7	CA, IL, NY, PA, TX
324	Petroleum & coal products	$2,418	$86,341	2.80%	0.81	**4**	LA, CA, TX, **OH**, IL
325	Chemical	$7,527	$213,956	3.52%	1.02	10	TX, NY, CA, NJ, NC
326	Plastics & rubber products	$5,643	$71,404	7.90%	2.30	**1**	**OH**, CA, IL, TX, PA
42	Wholesale trade	$27,521	$762,206	3.61%	1.05	9	CA, TX, NY, FL, IL
44-45	Retail trade	$29,345	$847,985	3.46%	1.01	7	CA, TX, FL, NY, IL

Ohio and U.S. Gross Domestic Products by Industry, 2006 (in millions of current dollars, except percentages, concentration ratios, and ranks)

1997 NAICS Codes	Industry Titles	GDP Ohio	GDP U.S.	Ohio as a Percent of the U.S.	Ohio::U.S. Concentra-tion Ratio	Ohio's Rank	Top Five States
48-49 (exc. 491)	Transportation & warehousing, exc. Postal Service	$15,319	$385,444	3.97%	1.15	7	CA, TX, IL, FL, NY
481	Air transportation	$1,331	$49,985	2.66%	0.77	13	TX, CA, IL, GA, NY
482	Rail transportation	$1,703	$37,496	4.54%	1.32	**4**	NE, TX, IL, **OH**, PA
483	Water transportation	$126	$9,936	1.27%	0.37	16	FL, LA, CA, TX, NY
484	Truck transportation	$6,119	$124,702	4.91%	1.43	**4**	CA, TX, IL, **OH**, PA
485	Transit & ground passenger transportation	$283	$18,056	1.57%	0.46	16	NY, CA, NJ, PA, IL
486	Pipeline transportation	$175	$11,285	1.55%	0.45	11	TX, AK, CA, PA, OK
487, 488, 492	Other transportation & support activities	$3,621	$96,863	3.74%	1.09	8	CA, TX, FL, NY, TN
493	Warehousing & storage	$1,962	$37,123	5.29%	1.54	**5**	CA, PA, TX, IL, **OH**
51	Information	$12,545	$598,770	2.10%	0.61	13	CA, NY, TX, FL, GA
511	Publishing including software	$4,382	$150,282	2.92%	0.85	10	CA, NY, WA, MA, TX
512	Motion picture & sound recording industries	$209	$43,071	0.49%	0.14	16	CA, NY, TX, FL, TN
513	Broadcasting & telecommunications	$6,813	$336,936	2.02%	0.59	13	CA, NY, TX, FL, GA
514	Information & data processing services	$1,141	$68,481	1.67%	0.48	16	CA, TX, NY, VA, NJ
52	Finance & insurance	$38,501	$1,093,733	3.52%	1.02	9	NY, CA, TX, IL, FL
521-522	Federal Reserve banks, credit intermediation & related services	$24,470	$569,742	4.29%	1.25	7	CA, NY, NC, TX, FL
523	Securities, commodity contracts, investments	$2,659	$217,772	1.22%	0.35	14	NY, CA, MA, IL, NJ
524	Insurance carriers & related activities	$11,165	$280,862	3.98%	1.15	8	CA, NY, IL, TX, CT
525	Funds, trusts & other financial vehicles	$208	$25,357	0.82%	0.24	23	PA, CA, NY, TX, MA
53	Real estate, rental & leasing	$47,360	$1,662,826	2.85%	0.83	9	CA, NY, FL, TX, NJ
531	Real estate	$44,365	$1,557,072	2.85%	0.83	10	CA, NY, FL, TX, IL
532-533	Rental & leasing services & lessors of intangible assets	$2,995	$105,754	2.83%	0.82	10	CA, TX, FL, NJ, NY
54	Professional & technical services	$24,914	$925,333	2.69%	0.78	12	CA, NY, TX, IL, FL
5411	Legal services	$4,736	$186,785	2.54%	0.74	11	CA, NY, TX, IL, FL
5415	Computer systems design & related services	$4,459	$146,493	3.04%	0.88	12	CA, VA, TX, NY, MA
5412-5414, 5416-5419	Other professional, scientific & technical services	$15,719	$592,054	2.65%	0.77	12	CA, NY, TX, IL, FL
55	Management of companies & enterprises	$13,755	$242,095	5.68%	1.65	**4**	CA, NY, IL, **OH**, TX
56	Administrative & waste services	$13,178	$393,477	3.35%	0.97	9	CA, FL, TX, NY, IL
561	Administrative & support services	$11,883	$359,294	3.31%	0.96	9	CA, FL, TX, NY, IL
562	Waste management & remediation services	$1,295	$34,183	3.79%	1.10	9	CA, TX, NY, FL, WA
61	Educational services	$3,533	$120,946	2.92%	0.85	9	NY, CA, PA, MA, IL
62	Health care & social assistance	$36,618	$901,366	4.06%	1.18	7	CA, NY, TX, FL, PA
621	Ambulatory health care services	$17,246	$464,519	3.71%	1.08	7	CA, TX, NY, FL, PA
622-623	Hospitals & nursing & residential care facilities	$16,883	$358,319	4.71%	1.37	7	CA, NY, PA, TX, FL
624	Social assistance	$2,489	$78,528	3.17%	0.92	9	NY, CA, PA, TX, FL

Ohio and U.S. Gross Domestic Products by Industry, 2006 (in millions of current dollars, except percentages, concentration ratios, and ranks)

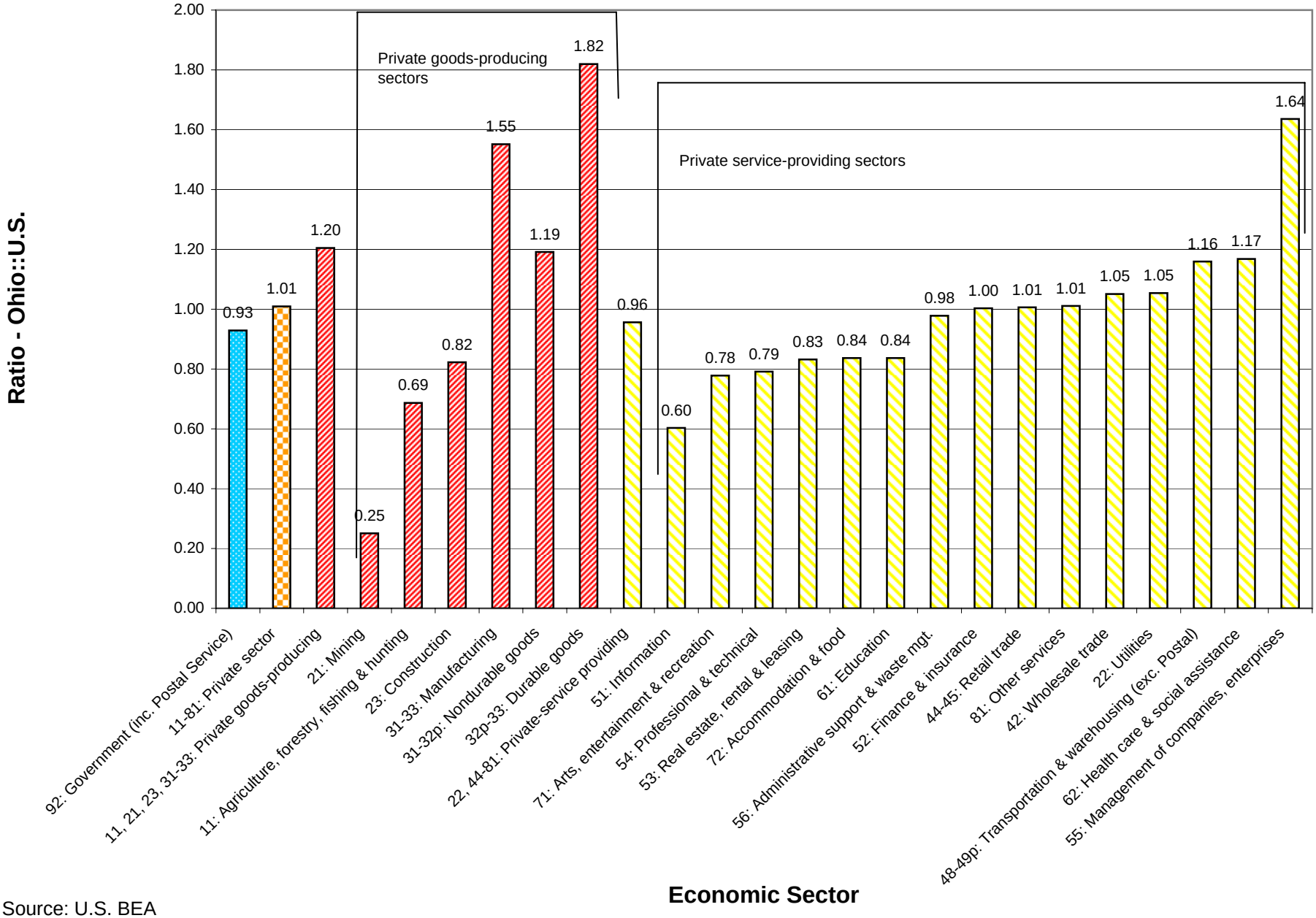
1997 NAICS Codes	Industry Titles	GDP Ohio	GDP U.S.	Ohio as a Percent of the U.S.	Ohio::U.S. Concentra-tion Ratio	Ohio's Rank	Top Five States
71	Arts, entertainment & recreation	$3,326	$126,182	2.64%	0.77	10	CA, FL, NY, TX, IL
711-712	Performing arts, museums & related activities	$1,636	$60,390	2.71%	0.79	7	CA, NY, FL, TX, IL
713	Amusements, gambling & recreation	$1,690	$65,792	2.57%	0.75	14	CA, FL, TX, NY, IL
72	Accommodation & food services	$10,032	$353,643	2.84%	0.82	10	CA, FL, TX, NY, NV
721	Accommodation	$1,523	$112,358	1.36%	0.39	23	NV, CA, FL, NY, TX
722	Food services & drinking places	$8,510	$241,285	3.53%	1.02	6	CA, TX, FL, NY, IL
81	Other services, exc. government	$10,553	$301,103	3.50%	1.02	7	CA, TX, NY, FL, IL
92	Government	$49,710	$1,563,894	3.18%	0.92	8	CA, TX, NY, FL, VA
92a & 92b	Federal government	$9,997	$440,959	2.27%	0.66	13	CA, VA, TX, DC, MD
92a	Civilian (inc. Postal Service)	$7,861	$285,948	2.75%	0.80	11	DC, CA, VA, MD, TX
92b	Military	$2,136	$155,011	1.38%	0.40	23	CA, VA, TX, NC, FL
92c	State & local	$39,713	$1,122,935	3.54%	1.03	6	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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 12/08).

The Relative Concentration of U.S. Economic Activity in Ohio, 2007



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 with 18.24 percent of GDP in 2007, while mining was the smallest with 0.50 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 11.76 percent and 2.01 percent, respectively, of U.S. GDP in 2007. When compared with those for Ohio, these yield ratios of 1.55 for manufacturing (18.24 percent divided by 11.76 percent) and .25 for mining (0.50 percent divided by 2.01 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 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 evidenced by the concentration ratios of 1.01 and .93, respectively. Although goods-production is concentrated in the state (1.20), this reflects the concentration of manufacturing activity here (1.55), particularly durable goods production (1.82). Non-durable goods production is also concentrated in Ohio (1.19). On the other hand, mining, agriculture-forestry-fishing-hunting, and construction activity (.25, .69, and .82, respectively) are more or less sparse.

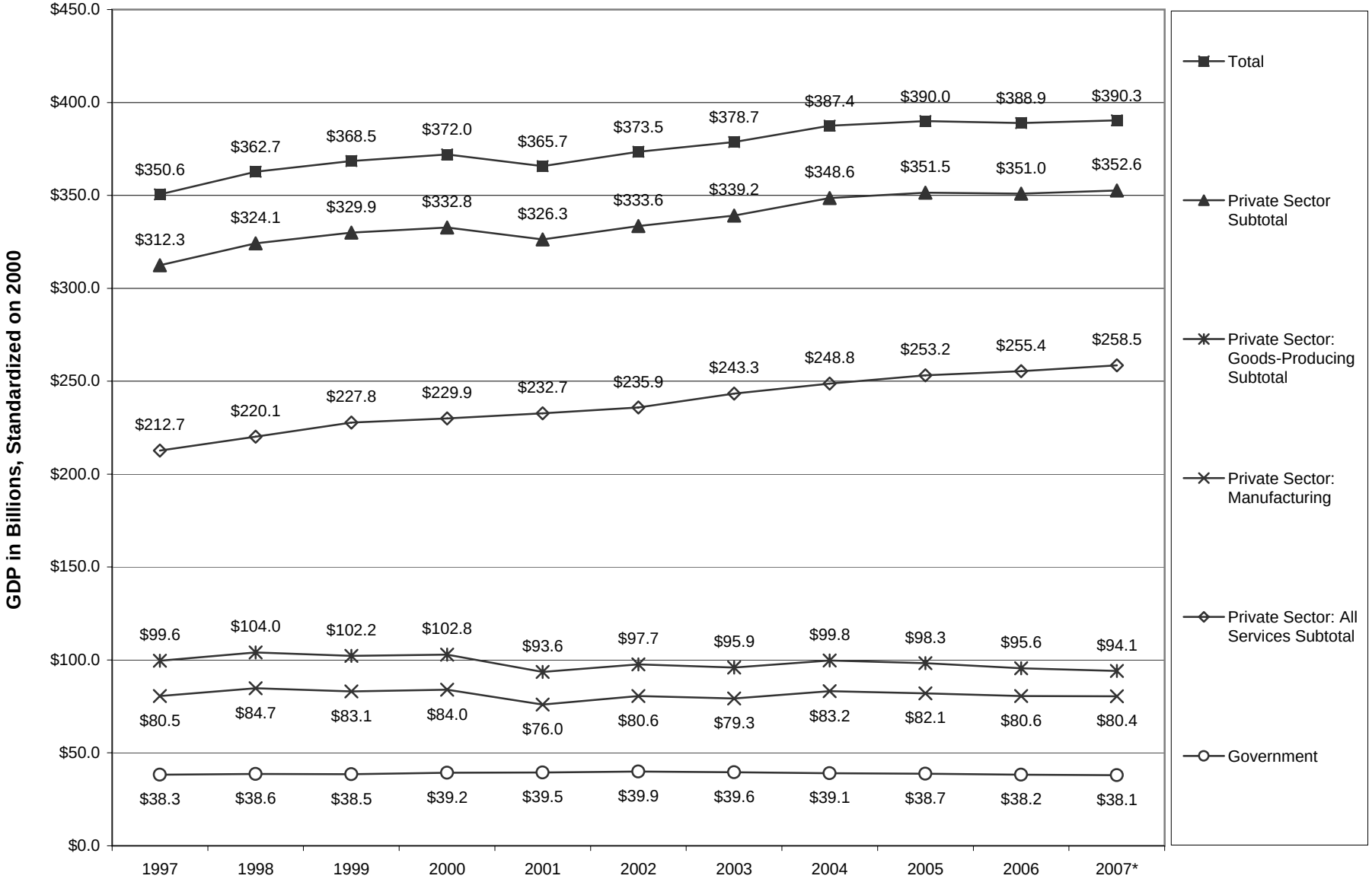
The preceding section showed that service-providing industries collectively account for most economic activity in Ohio (77.08 percent with government, 66.00 percent without); yet the graph above shows that, as a whole, they contribute relatively less to GDP from Ohio than is true for the nation (.96). There are exceptions to this generalization. The most notable departure is the concentration of company and enterprise management (1.64). The provision of health care and social assistance (1.17) and transportation-and-warehousing (1.16) also are concentrated in Ohio. Other service sectors in Ohio's economy roughly proportional with their national contribution to GDP include administrative support-waste management, wholesale and retail trade, finance and insurance, utilities, and other non-governmental services specified in NAICS 81.

See Table A1

RECENT CHANGES IN OHIO'S ECONOMY

Changes in Ohio's Economic Output, 1997-2007

After the Effects of Inflation Have Been Removed



Source: U.S. BEA

* - Preliminary

REMOVING THE EFFECTS OF INFLATION

The use of chained dollars in the chart above removes the effects of price changes incorporating inflation – or in rare cases, deflation – and permits comparison between years of the *volumes* of goods produced and services provided. Overall, the GDP figures, standardized on the year 2000 and displayed above, show real growth in the output of goods and services from 1997 through 2000 ($350.6 billion (B) to $372.0B), a drop in 2001 ($365.7B), and an increase through 2005 ($390.0B) – after which output remained virtually unchanged. The net change in Ohio in real output from 1997 through 2007 was 11.3 percent. This overall pattern mostly reflects the changes in the private sector, which grew 12.9 percent. Government services fluctuated from year to year, and were 0.6 percent lower in 2007 than in 1997 ($38.3B vs. $38.1B).

Similar analyses can be done for the components of the private sector. The collective output of goods producers in this time period peaked at $104.0B in 1998, declined to a low point of $93.6B in 2001, recovered to $99.8B in 2004, and slipped to $94.1B in 2007. This largely reflects changes in manufacturing output; the corresponding figures are $84.7B, $76.0B, $83.2B, and $80.4B. Data from appendix table A2 show that net growth in durable goods production was offset by the net drop in non-durable goods manufacturing: 6.4 percent vs. -12.9 percent. (Recall that durable goods output is twice that of non-durable goods.) Output from agriculture-forestry-fishing-hunting fluctuated, but was greater in 2007 than in 1997. On the other hand, the volume of goods produced by mining and construction has steadily fallen since 1999.

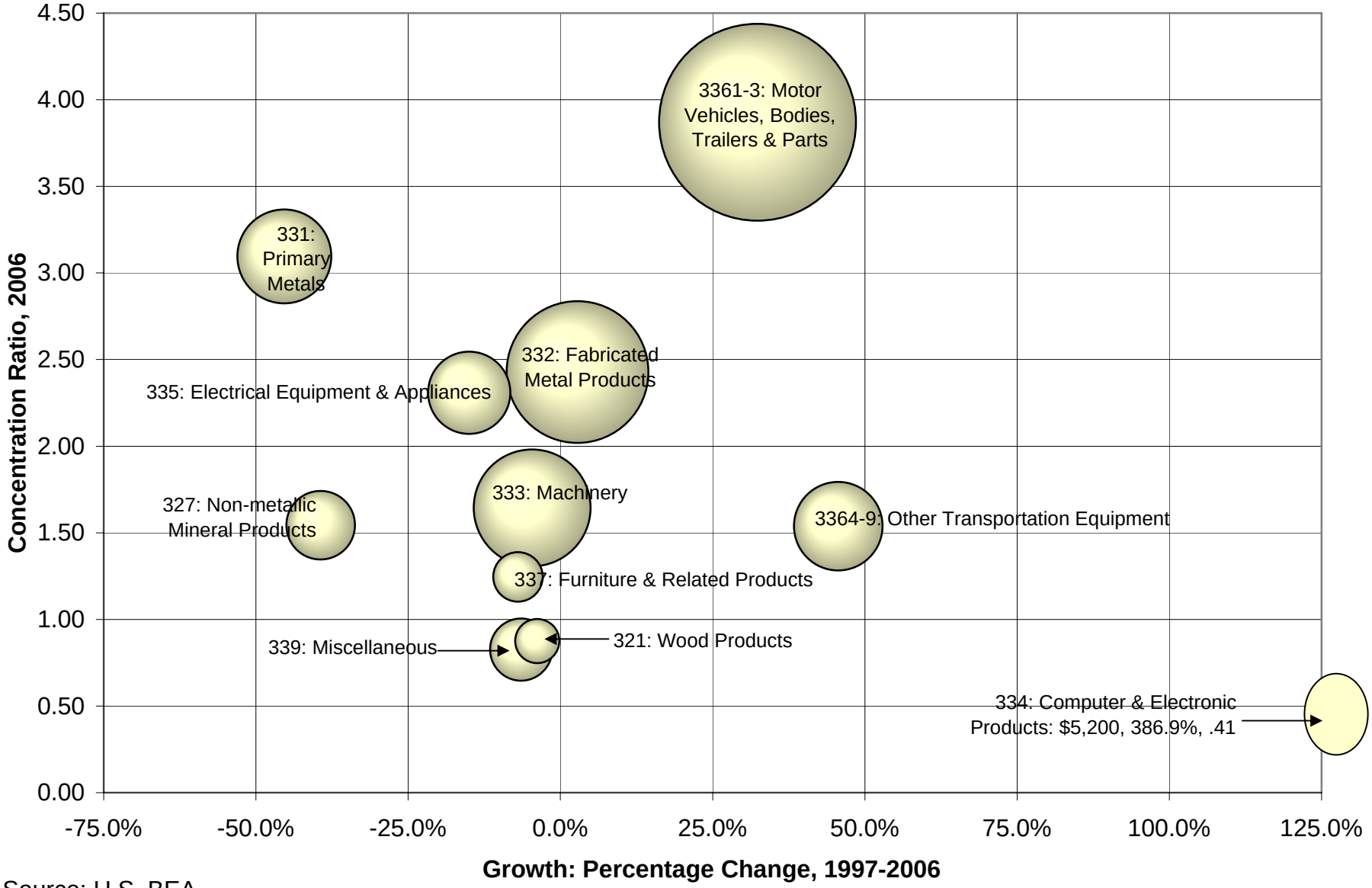
The collective output of private sector service-providers increased each year and was 21.5percent greater in 2007 than in 1997. However, this is not uniformly true of every individual service sector. Some showed greater-than-average growth even though output may have declined in the interim. These include retail trade, transportation-and-warehousing, information, finance and insurance, and professional and technical services. Health care and social assistance grew at the average rate for private sector services. Others showed slower-than-average service growth. These include utilities, wholesale trade, real estate-rental-leasing, the management of companies and enterprises, educational services, arts-entertainment-recreation, and accommodations and food services. Administrative and waste services fell and recovered during this time, and other services excluding government (NAICS 81) fluctuated but were lower in 2007 than in 1997.

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

As noted earlier, manufacturing is the largest sector in Ohio's economy and is concentrated here. This is especially characteristic of durable goods production. Major industries concentrated in Ohio include, in descending order, motor vehicles-bodies-trailers-parts (NAICS 3361-3363), primary metals, fabricated metal products, electrical equipment and appliances, machinery, nonmetallic mineral products, other transportation equipment (3364-3369), and furniture and related products. In particular, it is the first five major industries that drive durable goods concentration in Ohio so high. (See the chart above. The sizes of the bubbles indicate the size of major industries' contributions to GDP in Ohio. Motor vehicles, etc., was the largest in 2006 at $19.28B. Dollar figures in these sector discussions are standardized on 2000.)

With few exceptions, GDP data provide no specific information about industry groups within major industries. However, employment data from County Business Patterns (CBP) (U.S. Bureau of the Census, 2008) 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, CBP data indicate that vehicle assembly (3361) and parts production (3363) are particularly concentrated in Ohio, while the manufacture of trailers and bodies (3362) is relatively sparse. Additional data confirm this concentration in assembly and parts production: in 2007, 22.2 percent of the cars and 12.9 percent of the light trucks assembled in the U.S. came from six high-volume plants in Ohio. Combining the two means that 16.3 percent of U.S. light vehicle production originated in Ohio, making it the 2nd-ranked source for light vehicles (Ward's Communications, 2008). Data from ELM International (2008) show Ohio with the second-largest number of establishments in America directly supplying parts to vehicle assemblers.

CBP 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 Honda's motorcycle assembly plant and the M1 tank plant.

CBP 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, 2008). 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 (American Iron & Steel Institute, 1974-2004; International Iron and Steel Institute, 2007; Ohio Steel Council, 2007).

Activity in eight of the nine fabricated metal (332) groups is more or less concentrated in Ohio (U.S. Bureau of the Census Bureau, 2008; the exception is architectural and structural metals - 3323). 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 now 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, CBP 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 six 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), general purpose machinery (3339) , and, to a lesser extent, machinery for commercial and service industries (3333), (U.S. Bureau of the Census, 2008). As with fabricated metals, it is the combination of a variety of goods made in large volume that results in Ohio's overall 4th 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, 2008).

Manufacturing non-metallic mineral products (327) is concentrated in Ohio. CBP data point to clay (3271), glass (3272), lime and gypsum (3274) and other materials (3279) as the concentrated groups driving production here (U.S. Bureau of the Census, 2008).

As previously mentioned, durable goods production in Ohio increased from 1997 to 2000, dropped in 2001, and gradually increased through 2005. Aggregate output in 2006 was slightly smaller than 2005, but remained 5.6 percent greater than in 1997. These summary statements mask the varying trends of industries illustrated above. On one hand, there was the off-scale high growth of computers and electronic products plus the relatively high growth in both motor vehicles-bodies-parts-trailers and other transportation equipment. On the other hand, real output in 2006 was lower than 1997 for primary metals, electrical equipment and appliances, machinery, non-metallic mineral products, wood, furniture and related products and miscellany, while fabricated metal products showed little net change during the period. The manufacture of computer and electronic products, wood products, and miscellaneous products is not concentrated in Ohio.[4]

Overall durable goods manufacturing in Ohio has grown at a slower pace than characterized the nation. As mentioned above, durable goods production in Ohio in 2006 was 5.6 percent greater than it was in 1997. This contrasts with a national increase of 53.4 percent during the same time. However, an industry-by-industry comparison tells a different story. In some instances, industries in Ohio grew at rates similar, but not necessarily equal to the nation as a whole; notably

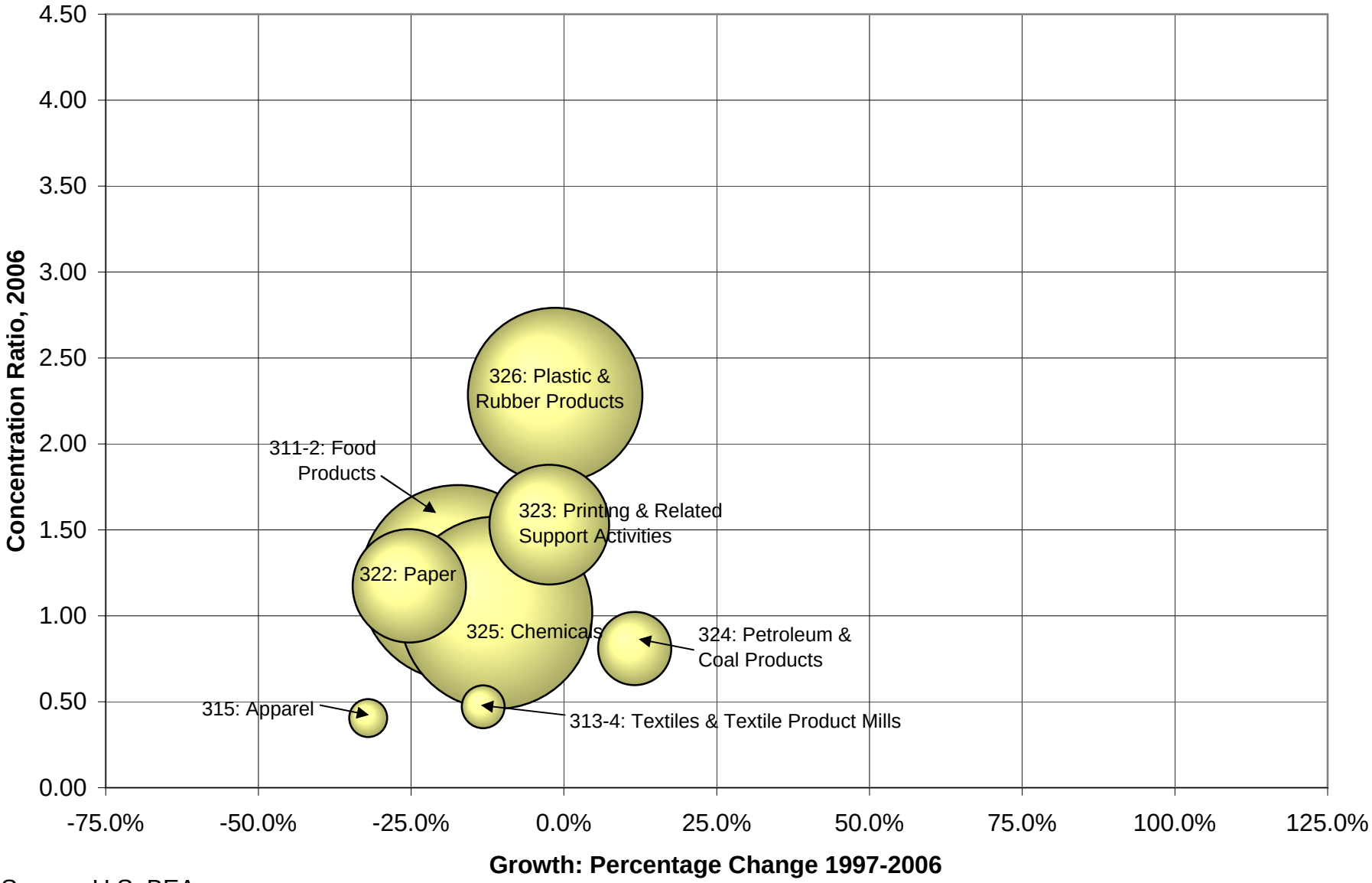
computer and electronic products – off-scale high; motor vehicles-bodies-parts-trailers and other transportation equipment – better than average; and fabricated metal products – slight. In few cases, industrial output across the nation was greater in 2006 than 1997, but was lower in Ohio; these include machinery, wood and miscellaneous products. In other cases, national output fluctuated or fell, and output from Ohio simply fell further: non-metallic mineral products, primary metals, electrical equipment and appliances, and furniture and related products.[5]

Initial figures for 2007 show virtually no change from 2006 in durable goods production in Ohio, while the nation as a whole grew 4.88 percent. Two notable changes playing divergent roles in durable goods production in Ohio include a slight decrease in iron and steel production (Ohio Steel Council, 2009) and an increase in light vehicle production (Ward's, 2008).

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 production of non-durable goods is concentrated in Ohio, although not to the extent of durable goods. As may be expected, though, the concentration is focused in a few sectors, notably plastic and rubber products (NAICS 326) and printing and related support activities (323). Slight concentrations are evident in paper (322) and chemical (325) production as well as food products – the combination of food processing (311) and beverage production (312). Production from other, smaller sectors is relatively sparse.

Again, CBP data provide further insight into groups driving production in the state. Both plastic (3261) and rubber (3262) products manufacturing – especially the latter – are concentrated here, making Ohio the leading state in that major industry. Other major industries have only particular groups concentrated here. CBP data show the concentration of chemical production reflects the manufacture of 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 such as inks and explosives (3259). Paper production reflects the conversion of paper products (3222) to things such as corrugated items, boxes, bags, stationary, envelops, coatings, laminates, other treatments, etc., from purchased paper, not the actual manufacture of paper itself (3221).[6] Particular food products concentrated here include food for animals (3111), specialty foods and the preservation of fruits and vegetables (3114), and, to a lesser extent, bakeries (3118) and other food products such as snacks, coffee and tea, syrups, seasonings, dressings, spices, popcorn, etc. (3119) (U.S. Bureau of the Census, 2008).

The production of non-durable goods in Ohio slid from 1997 through 2001. Although it grew for a couple of years, it has trended downward since 2004. Overall production in 2006 was 11.3 percent lower than in 1997. This summary masks the variety of changes seen in the constituent industries. Production in most industries fluctuated, ending more or less lower. Petroleum and coal products is the only major industry experiencing net growth.

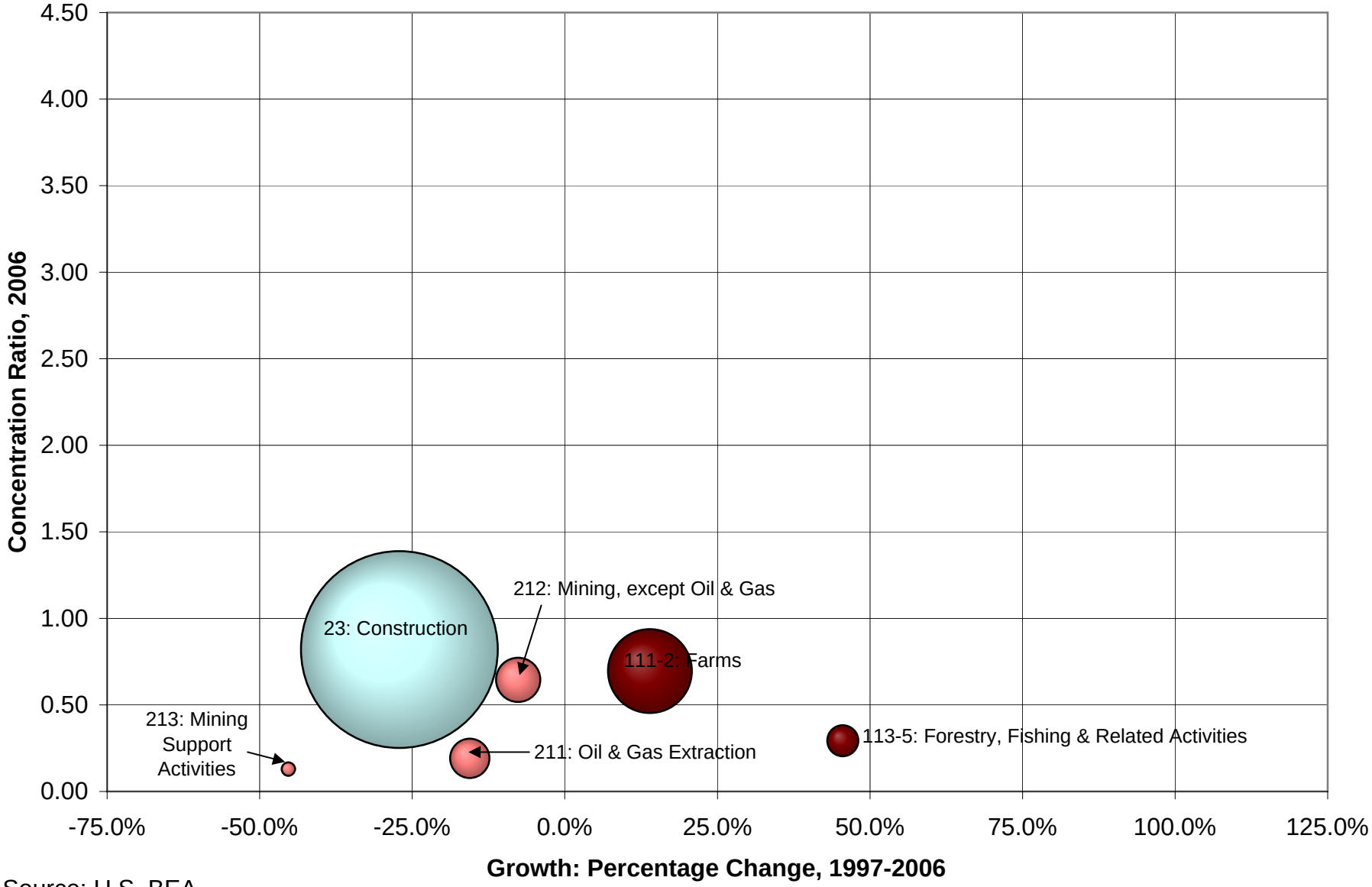
Non-durable goods manufacturers across the nation have not fared as badly as those in Ohio, with 2006 output 2.1 percent below 1997's level. As in Ohio, national output in 2006 was below 1997 for many industries. The only exceptions were chemicals, and products made from coal, petroleum, plastics and rubber. The net change in these industries is slight.

Initial figures for 2007 show a 1.85 percent drop from 2006 in non-durable goods production in Ohio. This is slightly more pronounced than the national decline of 1.08 percent.

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 graph above 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 2006, Ohio was the 6th-ranked source for corn and soy beans with 4.5 and 6.8 percent, respectively, of national production (U.S. Bureau of the Census, 2007: tables 825 & 826).[7]

The graph above also shows that output from most of the non-manufacturing goods producing major industries was lower in 2006 than 1997. Sometimes these are year-to-year fluctuations, such as with farm production and mining in the earlier years covered. However, support activity for mining is still well below its 1997 peak, construction activity gradually-but-steadily declined after 1999, and mining – except for oil and gas – has dropped since its peak in 2000. The notable exception was the above-average real net growth from forestry, fishing, and related activities despite the drop in 2001. Farm production also has risen since 2002.

Across the nation, output from both farming and forestry-etc. has grown a little faster than the economy overall, while construction activity grew from 1997 through 2001, but fell back to its 1997-level by 2006. The volume of oil and gas extracted peaked in 1999 and dropped to about 80 percent of its 1997 output by 2006. The volume of material other than oil and gas mined peaked in 2000, dipped, and recovered in 2006 to levels exceeding 1997. Support activities for mining dipped after 2000, approached the 2000-level by 2006, but remained below the 1997 level.

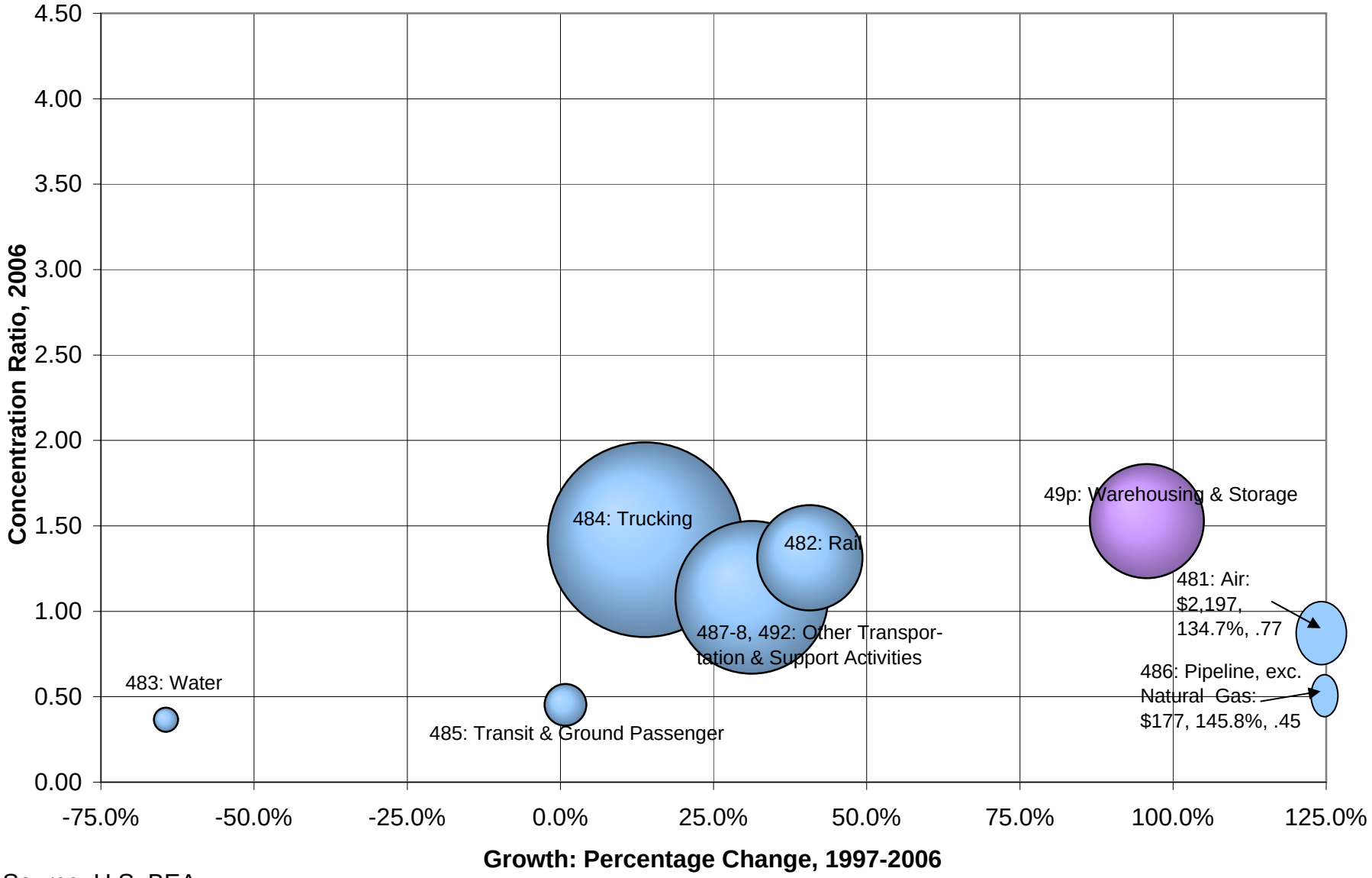
Initial figures for 2007 show an increase of 9.6 percent in the agricultural sector from 2006 in Ohio. This is greater than the corresponding national estimate of 1.4 percent. Bear in mind, though, that this is a volatile sector.

Initial figures for 2007 also show virtually no change from 2006 in mining production across the country, but a 3.2 percent decline in mining activities in Ohio. Construction activity in Ohio and the nation dropped by over 12 percent.

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

The provision of transportation and warehousing services in Ohio are, overall, close to proportional with the nation, but some of the constituent major industries are more or less concentrated here, while others are relatively sparse. The chart above shows that truck transportation (NAICS 484) is the largest one in this sector, as well as being concentrated here. CBP data specify general freight trucking (4841) as the concentrated group (U.S. Bureau of the Census, 2008). Rail (482) is the only other major transportation activity concentrated here, but the CBP program does not collect data on rail Industries.

Other transportation and support services (487, 488, 492) collectively are close to proportional with the nation. All of the other major transportation industries are relatively sparse, but CBP data point to three groups that are exceptions: non-scheduled air transportation (air-charter and air-taxi services – 4812), the pipeline transport of crude oil (4861), and courier services (4921) specializing in parcel delivery regardless of mode (U.S. Bureau of the Census, 2008).

The chart above also shows that the overall above-average growth of the sector from 1997 through 2006 is due primarily to the high growth of air (481) and pipeline (486) transportation (natural gas is excluded), which more than offset the shrinking water transportation industry (483). Trucking, rail, and other transportation and support activities had their ups and downs, but showed growth. Transit-ground passenger activity fluctuated, with 2006 essentially the same as 1997.

Many of the changes described above are part and parcel of national trends: air, rail, truck, pipeline transportation (excluding natural gas), and other transportation and support activities grew more or less rapidly in Ohio and the U.S.; in fact, the growth of air and pipeline transportation in Ohio was faster than the national average. Across the nation, transit-ground passenger transportation services grew modestly, while water transportation declined.

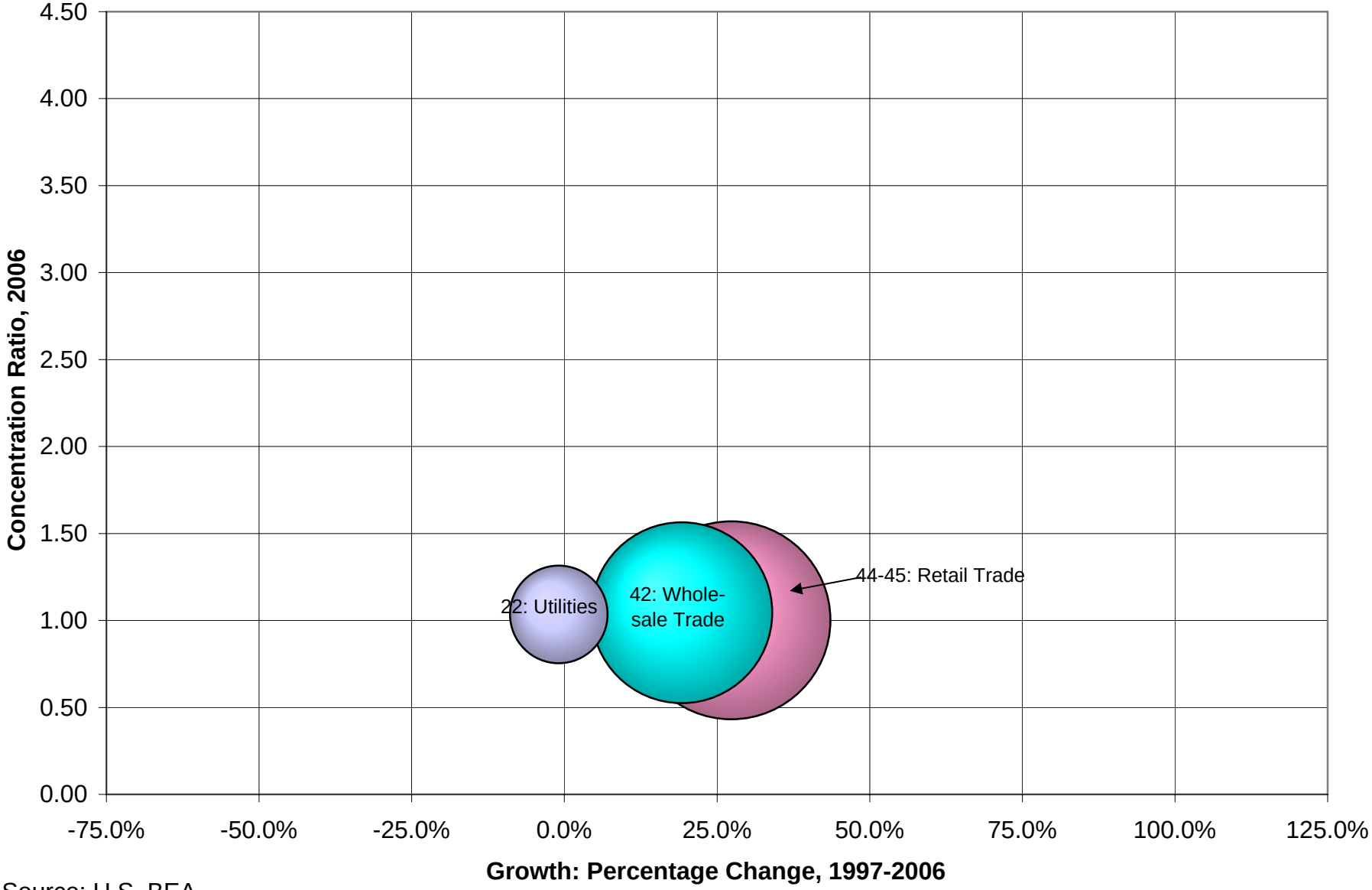
Warehousing and storage activity (493) is concentrated in Ohio, and the volume of services provided nearly doubled from 1997 through 2006. The only interruption to growth occurred in 2001. The growth of corresponding services in the nation as a whole was above average, but not as rapid as here.

Initial figures for 2007 show continuing faster-than-average growth of the sector here and across the country.

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

Ohio GDP: Growth, Concentration, & Size:

Utilities, Wholesale & Retail Trades



Source: U.S. BEA

SERVICES: UTILITIES, WHOLESALE AND RETAIL TRADE

The provision of utility services in Ohio is essentially proportional with the nation. CBP data reveal electric power generation, transmission, and distribution (NAICS 2211) to be the industry group with the vast majority of sector jobs – and the jobs in electric power generation are slightly concentrated here (U.S. Bureau of the Census, 2008). Similarly, electricity production in Ohio during 2005 was 3.87 percent of national output (U.S. Bureau of the Census, 2007: 912) while Ohio's portion of the GDP that year was 3.56 percent. On the other hand, natural gas distribution (2212) jobs in Ohio are nearly proportional with those across the country, while water and sewage jobs (2213) are relatively sparse here (U.S. Bureau of the Census, 2008).

Wholesale activity in Ohio is essentially proportional to the nation as a whole. However, CBP industry group data show an interesting variation: wholesalers distributing products of manufacturing industries concentrated in Ohio also tend to have employment concentrated here. This could be thought of as a carry-over effect. Wholesale jobs concentrated here include those dealing in motor vehicles, parts and tires (4231), metals and minerals (except petroleum) (4235), hardware, plumbing and heating equipment (4237), machinery and equipment (4238), paper products (4241), and chemicals and plastics (4246). Electrical equipment wholesalers (4236) are an exception to this tendency, while grocery wholesalers (4244) are virtually proportional (U.S. Bureau of the Census, 2008).

Retail activity in Ohio is proportional with the nation as a whole. The four groups more or less concentrated here are department stores (4521), florists (4531), on-line and mail order shopping (4541), and vending machine operators (4542) (U.S. Bureau of the Census, 2008).

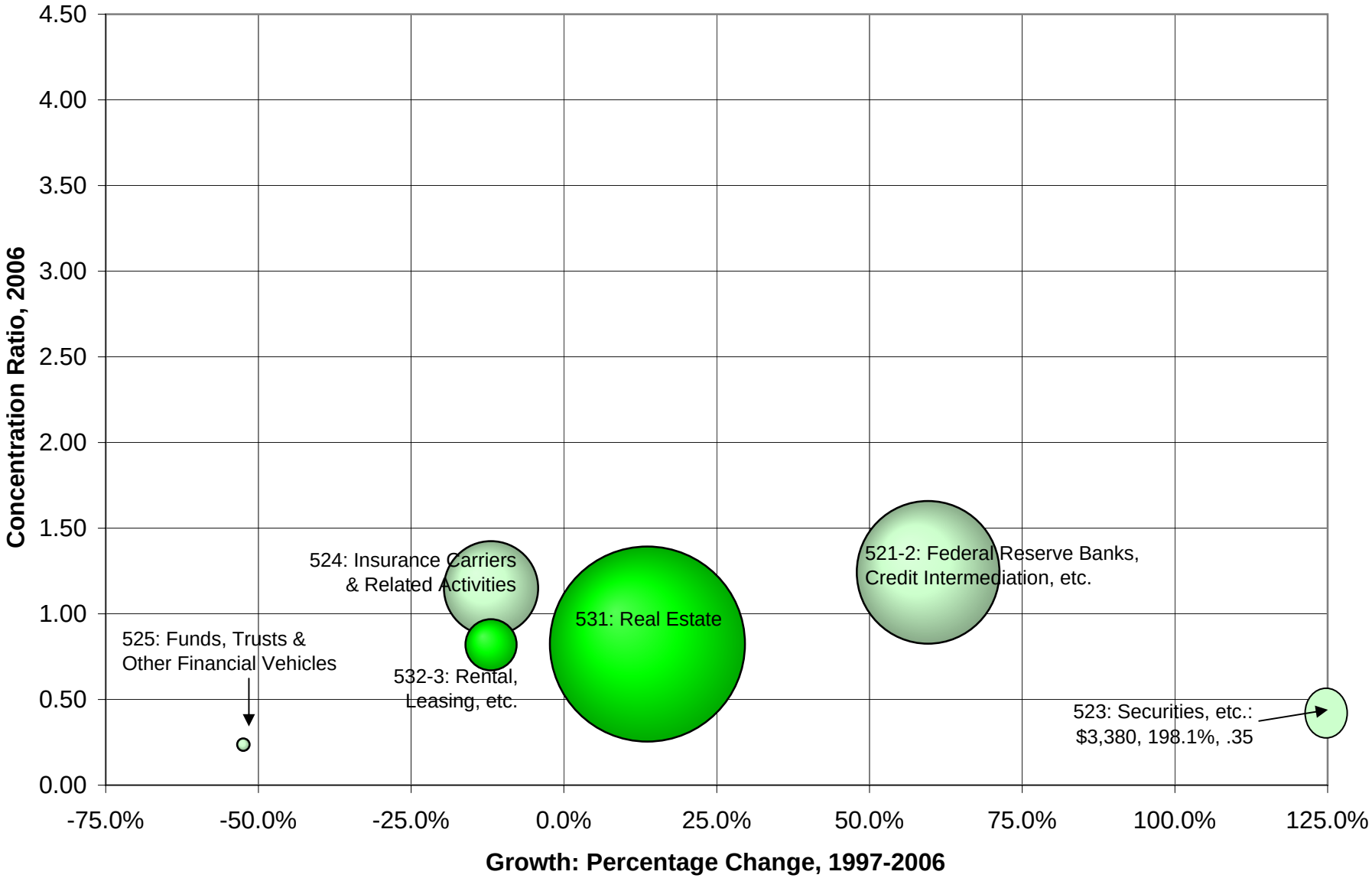
Higher-than-average growth characterized wholesale and retail trade from 1997 through 2006, while services provided by utilities fluctuated with 2006 levels very close to those of 1997. Retail trade, the largest of the three, grew the most and almost without interruption; the same may be said of slower-but-still-faster-than average pace of wholesale trade. The history of wholesale and retail trade in Ohio are just less rapid parts of the corresponding national growth.

Initial figures for 2007 show growth from 2006 in the utilities and retail sectors, but wholesale trade is marginally off. Things were slightly better 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 graph above shows two major industries somewhat concentrated in Ohio: insurance carriers and related activities (NAICS 524) and the combination of Federal Reserve banks (521) and credit intermediation (522). CBP data point to insurance carriers (5241) – those businesses actually writing the policies and assuming the risks – as the ones concentrated here. Brokers, agents and related activities (5242) appear a little sparse. The financial concentration in Ohio reflects the presence of a Federal Reserve bank (5211) in Cleveland and activities related to credit intermediation (NAICS 5233) (U.S. Bureau of the Census, 2008).[8]

While the finance and insurance sector as a whole (52) experienced faster-than average growth, this is due to the very high growth rate of the securities and investment industry (523): 198.1 percent. This was the second highest rate of growth of any major industry (computer and electronic products – 334 – was the highest), and more than compensated for the dramatic decline in the smaller funds-trusts-other financial vehicles (525): 52.4 percent. The activity level of insurance carriers and agents fluctuated, ending 11.9 percent lower. On the other hand, services provided by the Federal Reserve Bank and credit intermediation establishments grew continuously since 2000 at a faster-than-average pace. The experiences of these industries in Ohio corresponded with their national experiences.

Real estate (531) appears to be 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.[9] Neither it nor rental and leasing services, etc. (532-533) is concentrated here. However, CBP data indicate that general rental centers (5323) are something of an exception (U.S. Bureau of the Census, 2008).

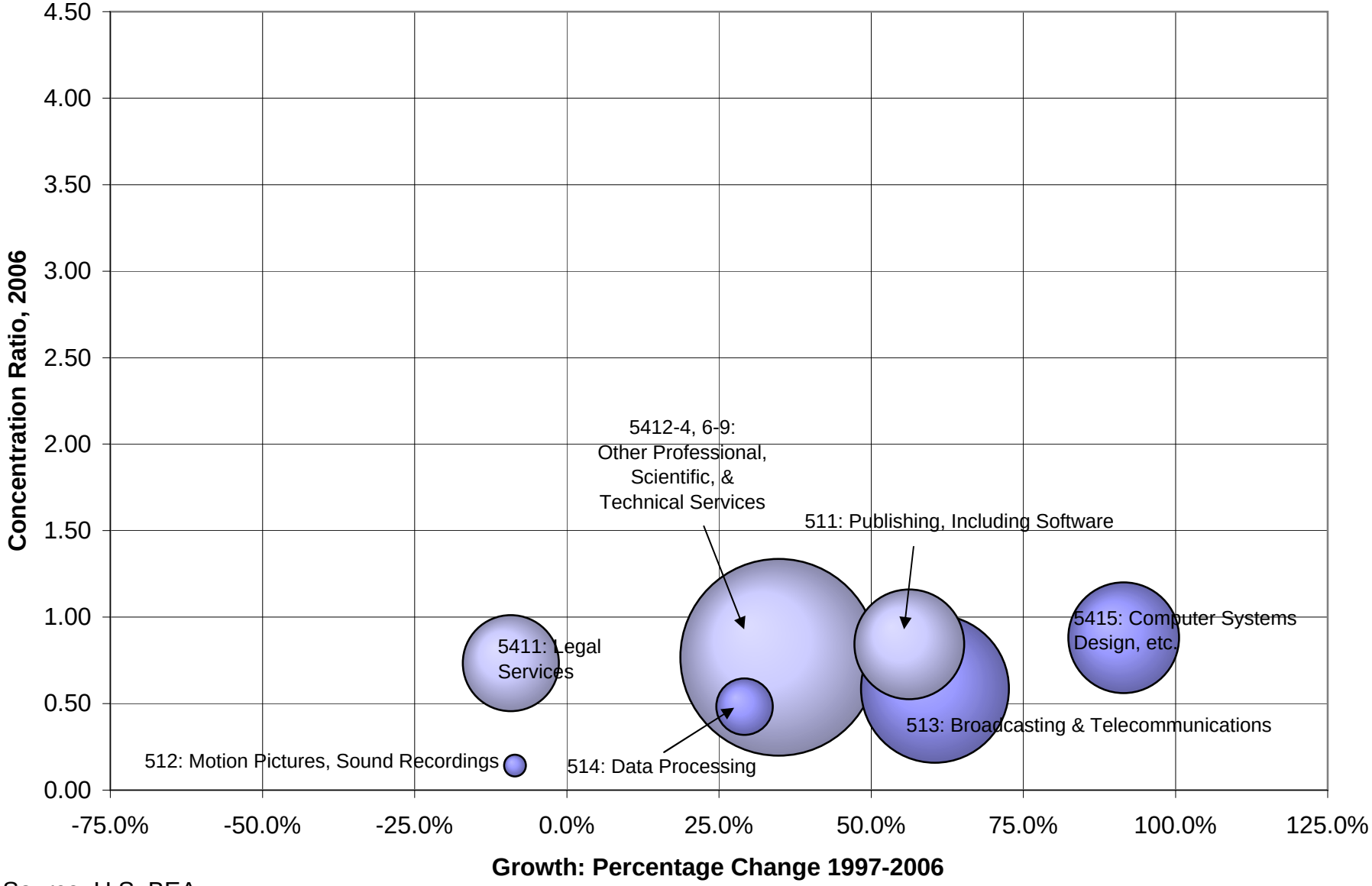
Activity in real estate was greater in 2006 than in 1997, giving it the appearance of growth rate very close to the overall average for the economy. However, activity peaked in 2002 and has drifted lower since. Similarly, activity in rental and leasing services, etc., peaked in 2000 and declined each year thereafter. The activity level in 2006 was 11.9 percent below that of 1997. Across the country real estate growth was uninterrupted, but rental and leasing, etc. decreased after 2000. Net growth rates for the national industries were greater than in Ohio.

Initial figures for 2007 show the contraction of business in the finance and insurance sector, with Ohio being hit harder than the nation as a whole. On the other hand, business continued to expand in Ohio's real estate-rental-leasing sector at a faster-than-average for the state, but below that of the corresponding national industry.

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 activities of the information (NAICS 51) and professional-and-technical (54) service sectors are not concentrated in Ohio, nor are the activities of their constituent major industries and industry groups. The only exception is the one-group major industry of Internet publishing and broadcasting (5161) (U.S. Bureau of the Census, 2008). Establishments in this industry publish or broadcast content only on the Internet. The content may be news, periodicals, books, games, entertainment, radio or videos (Office of Management and Budget, 2002).

While none of the major industries is concentrated here, most experienced faster-than-average growth from 1997 through 2006. As fast as the growth was for these industries in Ohio, it usually was not nearly as rapid as for the corresponding industries experienced in the nation as a whole. The exception was computer systems design and related services, which grew 91.5 percent in Ohio compared with the national average of 82.5 percent.

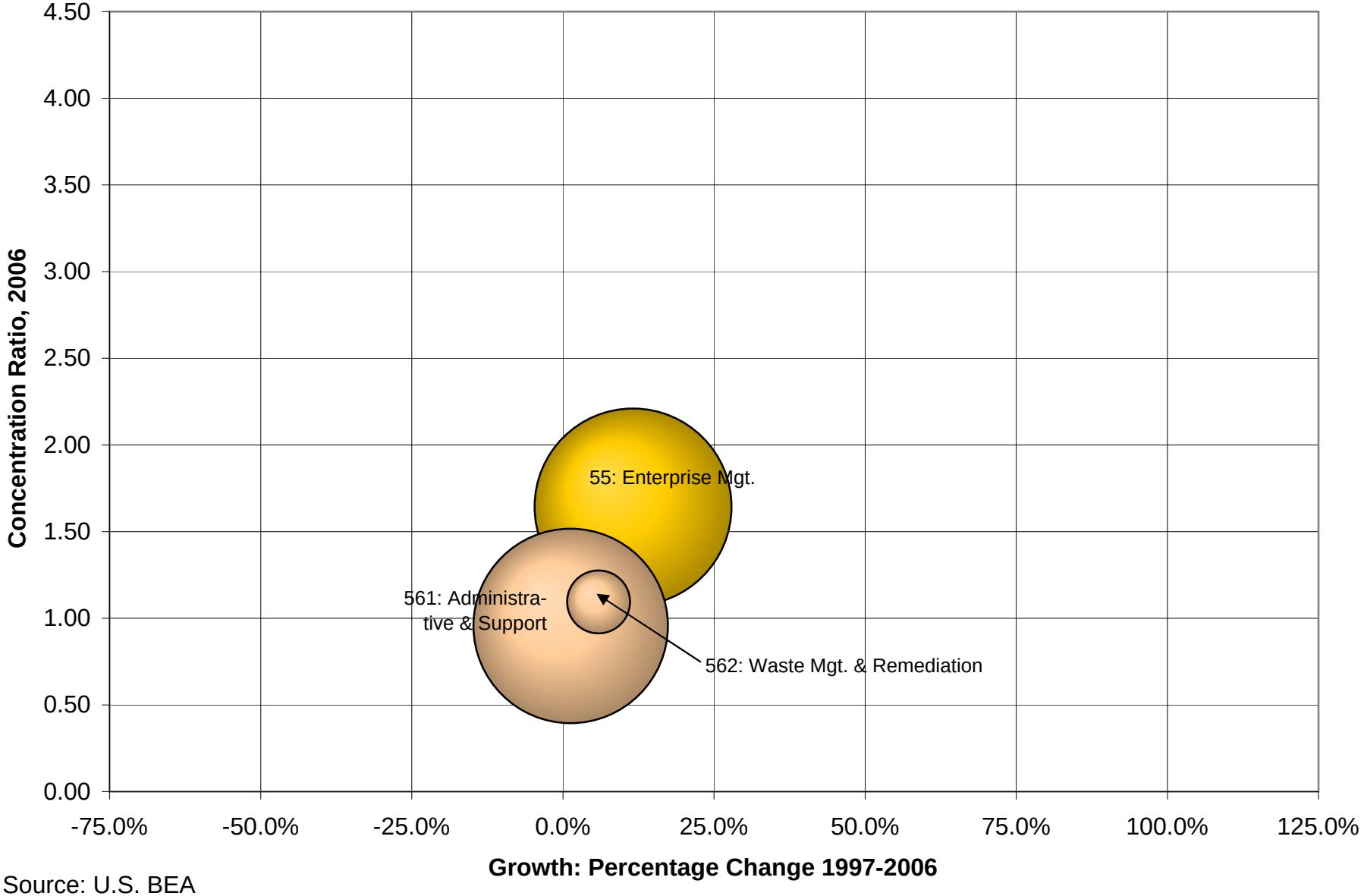
On the other hand, motion picture and sound recording activity (512) and legal services (5411) fluctuated from year to year, with the former showing a net decrease of 8.5 percent and the latter a net decrease of 9.2 percent in Ohio. However, both industries experienced net growth across the nation.

Initial figures for 2007 show the expansion activity in both sectors at rates faster than average for the state, but slightly below those of the corresponding national industries.

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 AND SUPPORT, WASTE MANAGEMENT AND REMEDIATION

The management of companies and enterprises (NAICS 55) is concentrated in Ohio. CBP data are consistent with the GDP data for this one-group sector (U.S. Bureau of the Census, 2008). This concentration undoubtedly includes the relatively large number of the Fortune U.S.-1,000 companies headquartered in Ohio – 59 (Fortune, 2008) – as well as the subsidiary and regional offices of those and other companies. The value of services provided fluctuated during the 1997-2006 period, with a near-average net change of 11.6 percent expansion. This stands in marked contrast with the national experience where the industry saw services contract by 6.1 percent.

On the other hand, administrative and support services (561) in Ohio are essentially proportional to the national average. CBP data indicate that all of the groups within this major industry also are more or less proportional with their national counterparts, and none is notably concentrated here. Administrative and support services have grown during the last few years, but aggregate activity levels remain below the pre-2001-recession peak. The net change from 1997 was 1.3 percent. The national recovery of this major industry has been stronger, surpassing pre-recession levels.

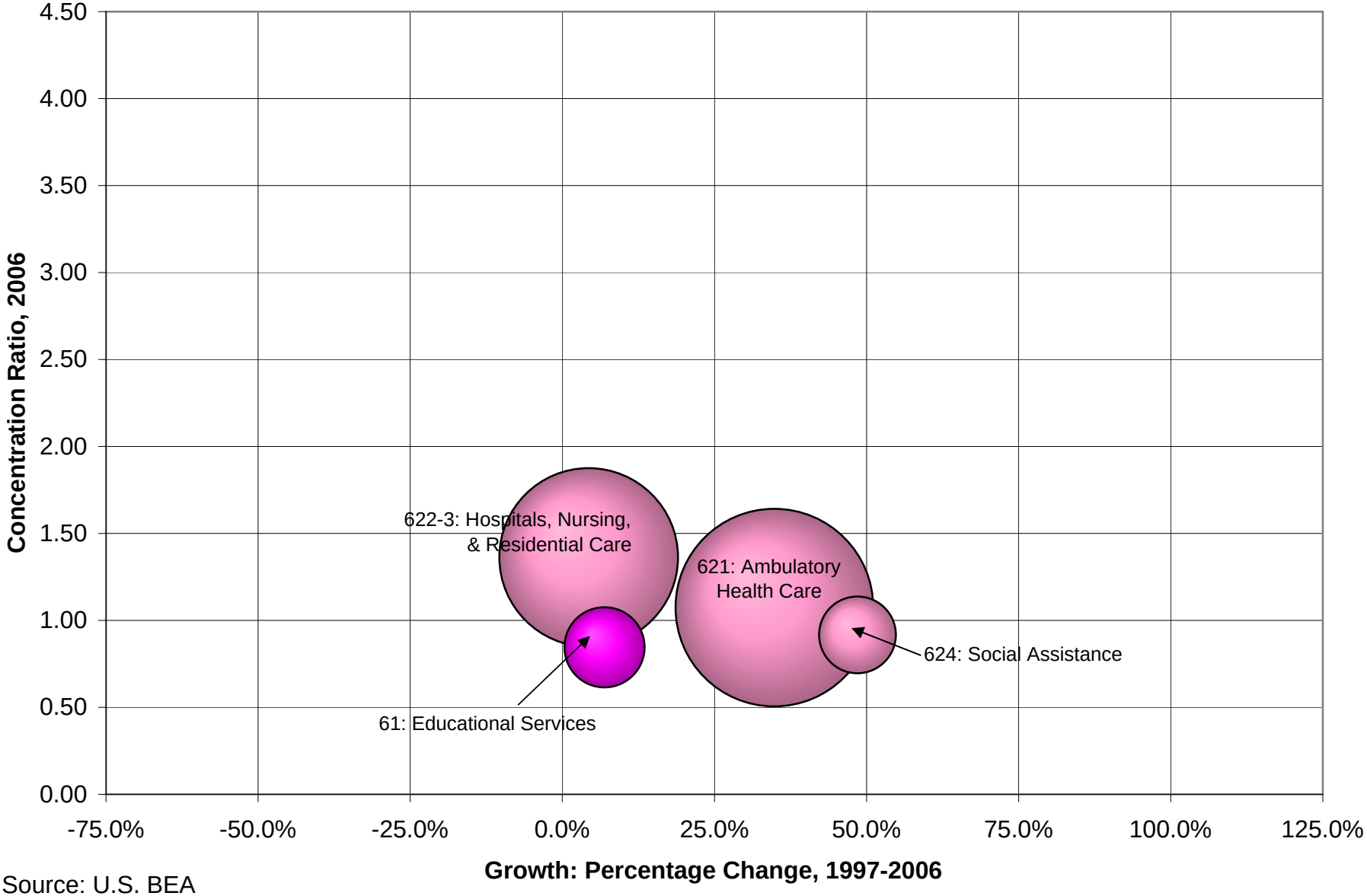
Waste management and remediation services (562) include collecting, treating, incinerating or otherwise disposing waste materials (except sewage, which is classified as a utility service), recovering recyclables, and operating landfills. Activities in this major industry in Ohio appear, overall, slightly concentrated. CBP data show a concentration in waste treatment and disposal (5622) and remediation and other waste management services (5629) (U.S. Bureau of the Census, 2008). This concentration may be, in part, a consequence of manufacturing's concentration in Ohio. This is consistent with the fact that 6.39 percent of toxic chemical releases in the country during 2005 occurred in Ohio (U.S. Bureau of the Census, 2007: table 368). Activity in this industry fluctuated, but was 5.9 percent greater in 2006 than 1997. Expansion at the national level has been more rapid.

Initial figures for 2007 show a slight contraction of management activity from 2006 in Ohio and almost no change at the national level. This contrasts with administrative and waste management services, which expanded faster than average in Ohio, although not quite as the corresponding national rate.

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

As whole, the health care and social assistance sector (NAICS 62) appears somewhat concentrated in Ohio, but the chart above illustrates how the major industries vary. Ambulatory health care (621) is roughly proportional with the nation; hospitals, nursing and residential care facilities (622 and 623 combined) are concentrated here; while social assistance (624) is relatively sparse. CBP data particularly point to nursing and community care facilities (6231 and 6233), and, to a lesser extent, general hospitals (6221) and other ambulatory health care services (6219) as the specific sources of the concentration. A concentration in vocational rehabilitation (6243) is the exception in social assistance (U.S. Bureau of the Census, 2008).

Overall, the provision of health care and social assistance in Ohio grew faster than average, but the chart above reveals that most of the growth occurred in ambulatory health care and social assistance. Service provided by hospitals, nursing, and residential care facilities fluctuated but was only slightly greater in 2006 than in 1997. The corresponding paces of growth for the nation as a whole were greater.

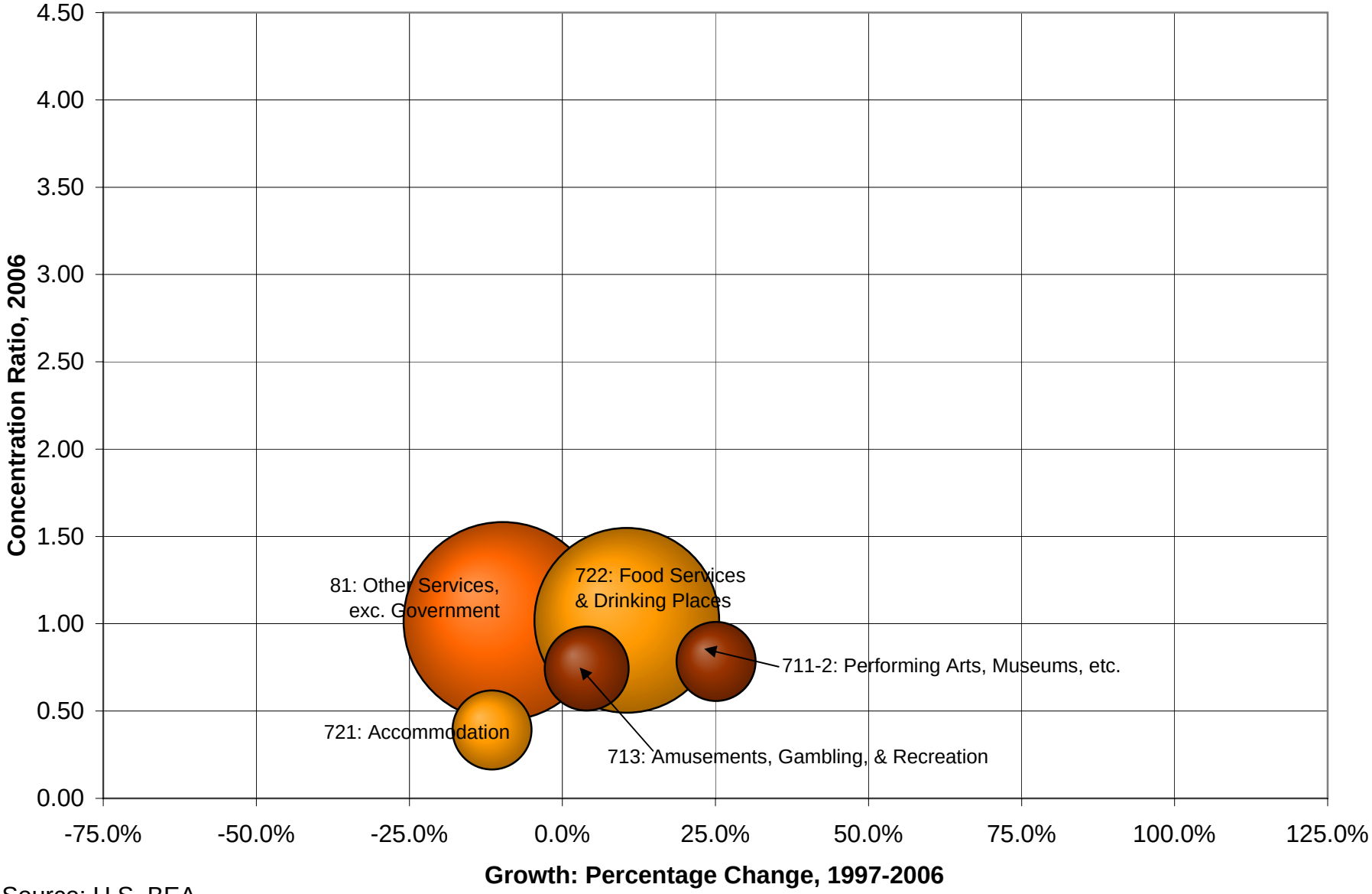
Initial figures for 2007 show a fractional increase from 2006 in health care and social assistance activity in Ohio. This is faster than the state's overall rate of growth, but lower than the corresponding rate of the national sector. Nevertheless, the growth of this sector here continues uninterrupted.

The chart above also shows that educational services (61) are not concentrated in Ohio. CBP data show no exceptions. The provision of educational services fluctuated over the years; it has slowly grown since 2002 with 2006 activity 6.9 percent greater than in 1997. This is similar to the national experience. Initial figures for 2007 indicate continued growth in Ohio and across the county.

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 remaining private sector services are not concentrated in Ohio. While places serving food and drink (NAICS 722) and other services overall (81) are essentially proportional with those throughout the country, those providing accommodations (721), amusements, gambling, recreation, or arts-related activities (711-713) are relatively sparse. CBP data point to a few exceptions where services may be concentrated: rooming and boarding houses (7213), limited service eating and drinking places (7222 and 7224), commercial equipment repair and maintenance (excluding auto and electric – 8113), 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, 2008).

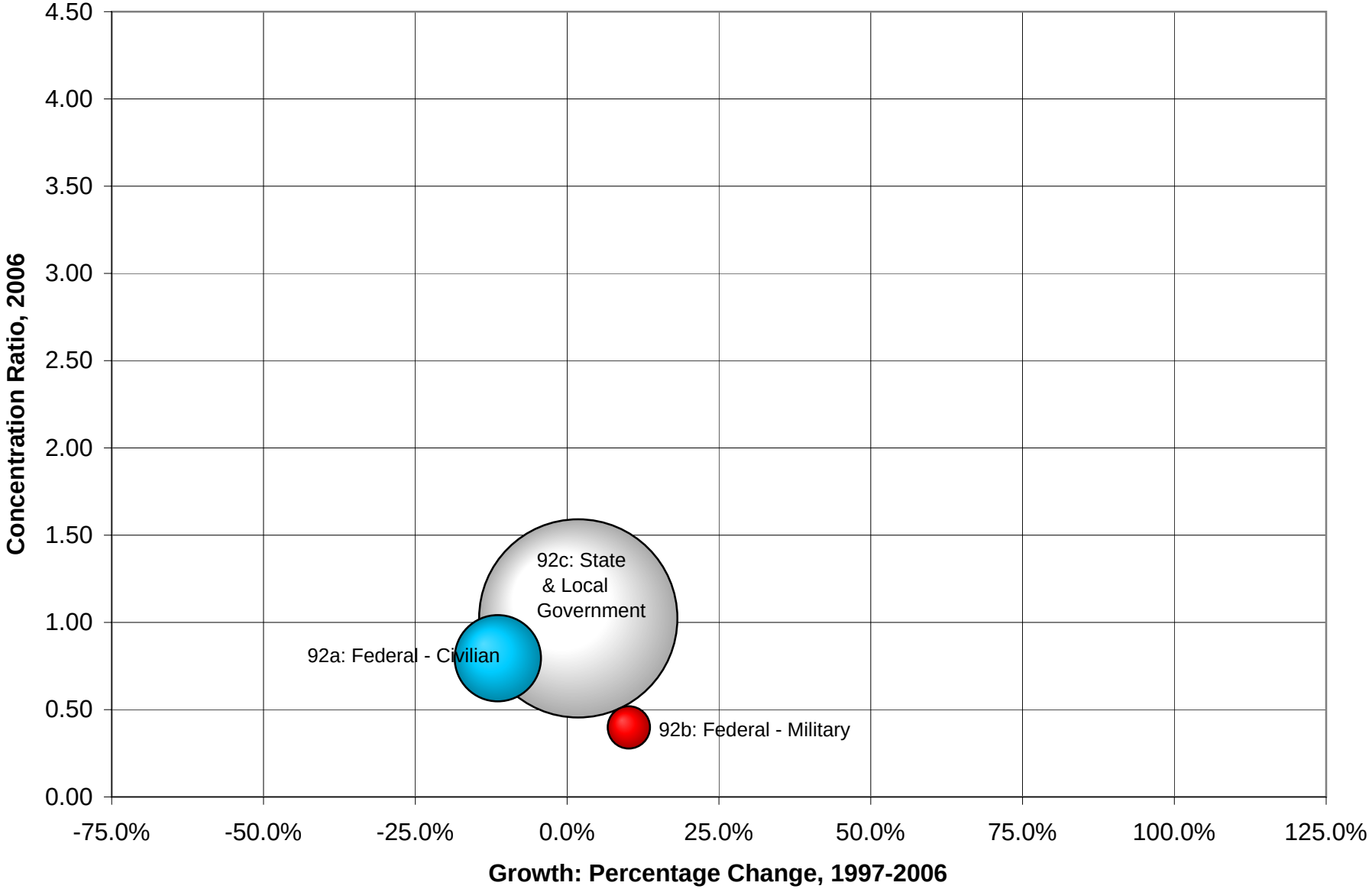
Activity in the performing arts-museums-etc. industry in Ohio appears to have expanded relatively rapidly despite the occasional interruption. Similarly, amusements, gambling and recreation seems little changed since 1997, but actually steadily rose from 1997 through 2004 and dropped thereafter. On the other hand, the expansion of food services and drinking places, though not steady, kept pace with the economy as a whole from 1997 through 2006. This contrasts with the decline of accommodation services. Other non-governmental services (81) have not recovered to pre-2001-recession levels. The national experiences of these industries were more positive, except for other non-governmental services – which showed virtually no net change.

Initial figures for 2007 show growth in the arts-entertainment-recreation and accommodations-food service sectors here and across the country. Other non-governmental services appear to have grown around the nation, but remain unchanged from the 2006 level here in Ohio.

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

Ohio GDP: Growth, Concentration & Size:

Government by Type



Source: U.S. BEA

FEDERAL, STATE, AND LOCAL GOVERNMENTS

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. 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. Such services slowly grew from 1997 through 2002, and then slowly contracted so that they were only 1.8 percent greater in 2006 than in 1997.

This is a distinct contrast with the federal government. The civilian part of the federal government – including the Postal Service (Downey and Aman, 2006) – plays a relatively small role in the state's economy. The military's role 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 2005, 2.30 percent of the value of Dept. of Defense contracts went to firms in Ohio, 2.24 percent of the Defense Department's payroll went to Ohio (retired military are excluded), and civilian and military personnel numbered 28,497 – 1.60 percent of total Defense employment (U.S. Bureau of the Census, 2007: tables 494 and 496). Military activity in Ohio increased for a few years after 2001, and then dropped off a little; it remains 10.2 percent higher than in 1997. On the other hand, the larger civilian services have gradually decreased by 11.4 percent since 1997.

Initial figures for 2007 show a fractional decrease from 2006 in total governmental services in Ohio, while governmental services throughout the country grew at a slower-than-average rate.

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

Gross Domestic Products for Metropolitan Areas in Ohio, 2001-2006
(in millions chained dollars standardized on 2001, except percentages)

							Real Change	
State/Metropolitan Area	2001	2002	2003	2004	2005	2006	Amount	Percent
U.S.*	$10,058,168	$10,206,715	$10,456,036	$10,818,567	$11,145,245	$11,493,317	$1,435,149	14.3%
Ohio*	$374,719	$382,631	$388,022	$396,953	$399,535	$398,475	$23,756	6.3%
Akron, OH	$20,729	$21,366	$22,021	$22,600	$23,170	$22,895	$2,166	10.4%
Canton-Massillon, OH	$10,913	$10,972	$11,040	$11,140	$11,263	$10,987	$74	0.7%
Cincinnati-Middletown, OH-KY-IN	$75,968	$77,912	$79,137	$80,777	$82,040	$81,692	$5,724	7.5%
Cleveland-Elyria-Mentor, OH	$83,939	$84,074	$86,284	$89,131	$89,144	$88,982	$5,043	6.0%
Columbus, OH	$69,975	$71,839	$72,238	$73,939	$74,870	$75,806	$5,831	8.3%
Dayton, OH	$28,550	$28,972	$29,104	$29,488	$29,848	$30,091	$1,541	5.4%
Huntington-Ashland, WV-KY-OH	$6,482	$6,796	$6,792	$6,974	$6,995	$7,105	$623	9.6%
Lima, OH	$3,489	$3,620	$3,561	$3,678	$3,706	$3,692	$203	5.8%
Mansfield, OH	$3,365	$3,522	$3,584	$3,670	$3,695	$3,631	$266	7.9%
Parkersburg-Marietta-Vienna, WV-OH	$4,284	$4,361	$4,279	$4,484	$4,371	$4,432	$148	3.5%
Sandusky, OH	$2,535	$2,614	$2,675	$2,701	$2,683	$2,645	$110	4.3%
Springfield, OH	$3,220	$3,112	$3,028	$3,067	$3,064	$3,097	-$123	-3.8%
Toledo, OH	$21,671	$22,326	$22,725	$22,868	$22,812	$22,807	$1,136	5.2%
Weirton-Steubenville, WV-OH	$2,754	$2,931	$2,803	$2,835	$2,900	$2,698	-$56	-2.0%
Wheeling, WV-OH	$3,488	$3,568	$3,668	$3,785	$3,857	$3,822	$334	9.6%
Youngstown-Warren-Boardman, OH-PA	$14,346	$14,682	$14,702	$14,883	$14,950	$14,955	$609	4.2%

Note: * - Figures for 2002-2006 generated by PR&SP.

Source: U.S. BEA (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

REAL GROWTH IN METROPOLITAN AREAS

The table above displays changes in economic output from metropolitan areas (MAs) wholly or partially in Ohio. The figures have been standardized on 2001, thereby removing the effects of inflation. Figures for Ohio and the nation are included for comparison.

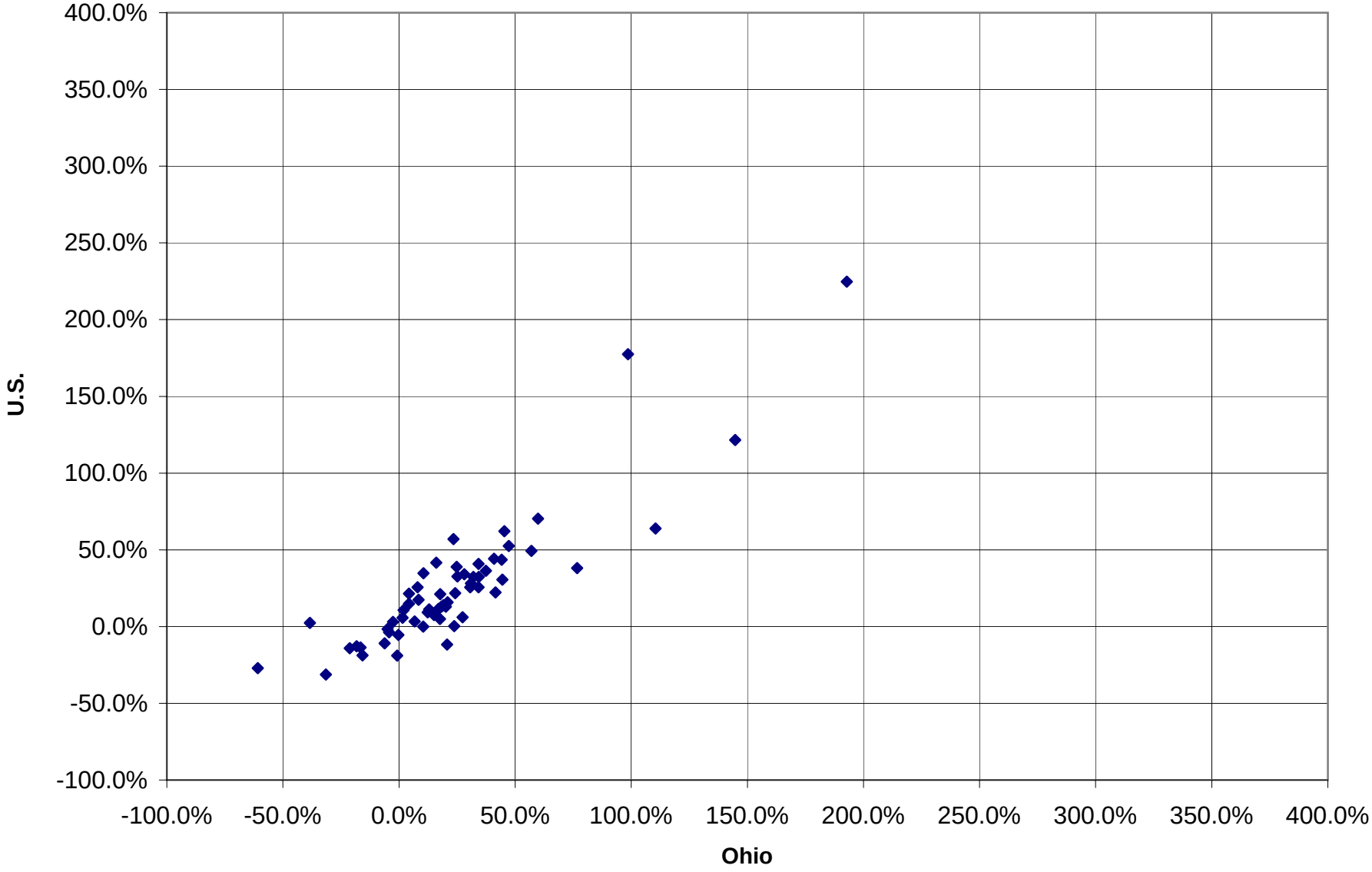
Real net growth from 2001 to 2006 is evident in 14 of the 16 MAs; Springfield and Weirton-Steubenville are the exceptions. Springfield's output, although improved from 2003, is still below the 2001 figure, while output from Weirton-Steubenville appears to be fluctuating. The greatest growth in absolute terms occurred in the three largest MAs: Cincinnati-Middletown (including the portions in Kentucky and Indiana), Cleveland-Elyria-Mentor, and Columbus. Each grew between $5 and $6 billion (B). Despite the portions in Kentucky and Indiana, it is probably safe to say that the combined growth of these three accounts for over one-half the economic growth in Ohio since 2001, and more than doubles the combined growth of 13 other MAs.

The role of Cincinnati, Cleveland and Columbus in Ohio's economy also accounts to a significant degree for the state's overall growth rate. Their range of rates – from 6.0 to 8.3 percent – encompasses the state's overall rate of 6.3 percent. However, the fastest growth appeared in three other MAs: Akron – 10.4 percent, and Huntington-Ashland and Wheeling – each at 9.6 percent. It should be noted, though, that none of the MAs in Ohio even approached the growth rate of the national economy: 14.3 percent.

Although real net growth from 2001 through 2006 is evident for the 14 MAs, 2006 was a year in which output slide from 2005 levels in nine MAs: Akron, Canton-Massillon, Cincinnati-Middletown, Cleveland-Elyria-Mentor, Lima, Mansfield, Sandusky, Weirton-Steubenville, and Wheeling. In addition, output from Toledo and Youngstown-Warren-Boardman was essentially unchanged from 2005. These numbers indicate that the weakness of Ohio's economy in 2006 was widely distributed with only Columbus and Dayton as larger islands of continued growth.

The Association of Percentage Changes in GDP (1990-1997)

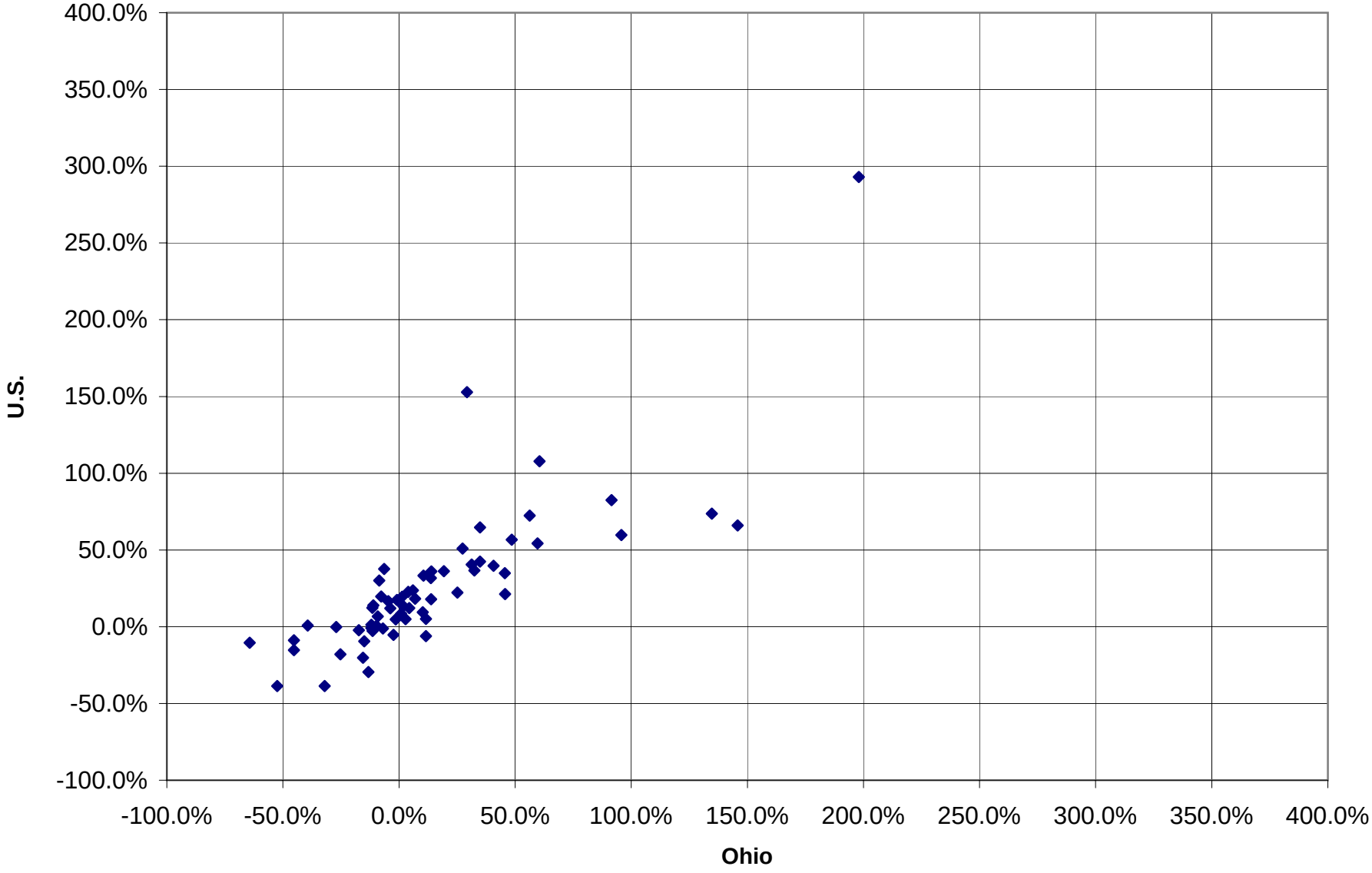
for Ohio and the U.S.



Source: U.S. BEA

The Association of Percentage Changes in GDP (1997-2006)

for Ohio and the U.S.



Source: U.S. BEA

PAST CHANGES AND FORECASTS FOR THE FUTURE

Throughout most of the 1990s, Ohio's overall economic growth nearly matched the nation as a whole. After adjusting for inflation, the volume of goods and services originating in Ohio increased by 22.3 percent from 1990 through 1997. The corresponding national increase was 22.8 percent. Real growth occurred in all sectors of the economy. The growth rate in Ohio was greater than the nation in some sectors: agriculture-forestry-fishing, mining, construction, non-durable goods manufacturing, transportation, wholesale and retail trade, and government services. The growth in Ohio was slower than average in other sectors: durable goods manufacturing, communications, utilities, finance-insurance-real estate, and non-governmental services. (Organizations and individuals were classified using the SIC system in this period.)

Growth continued in the 1997-2007 period, but there is no denying that growth in Ohio was slower than the national average. Ohio's economy grew by 6.1 percent from 1997 to 2000, shrank with the recession of 2001 (growth of -1.7percent), and grew 6.6 percent from 2001 to 2005. It contracted .3 percent in 2006, and grew .4 percent in 2007. The corresponding figures for the U.S. economy as a whole were 13.1 percent, .9 percent, 10.8 percent, 3.1 percent, and 2.0 percent.[10] (Organizations and individuals were classified using the NAICS in this period.)

Despite this disjuncture between Ohio's experience and that of the nation, the charts on pages 50 and 51 – the first covering 1990-1997, the second covering 1997-2006 – illustrate the close association between changes in industry output in Ohio with the corresponding changes for the country.[11] This means that what was happening nationally was a fairly reliable indicator of what was happening in Ohio; greater increases across the nation much more often than not were accompanied by greater increases in Ohio, while lesser increases and declines across the country usually were accompanied by the same here.

The close ties of Ohio's economy with the nation's mean that forecasts for industries and the economy as a whole may serve as approximations of what to expect here.[12] During the long term of 2006 through 2016, Figueroa and Woods (2007), U.S. Dept. of Labor economists, forecast an average annual growth rate of 2.9 percent. 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-insurance-real estate-leasing, professional-scientific-technical services, managing companies and enterprises, administrative support-waste management-remediation, health care and social assistance, and arts-entertainment-recreation. (See the table on the following page.)

Generally, employment growth is associated with real growth in output, but this is not always the case. For example, Figueroa and Woods (2007) predict that real growth will occur in agriculture-etc., mining, utilities and manufacturing; however, the number of jobs in those sectors is expected to decline. (Again, see the table on the following page.)

The Ohio Dept. of Job and Family Services' Labor Market Information Division (ODJFS-LMI) (2008) also published its forecast for employment change by sector from 2006 through 2016. They expect a slower rate of job growth – or a faster rate of job losses – in every sector when compared with Figueroa and Woods (2007). The only exception is mining. The implication, based on the overall association of economic expansion and job growth, is that Ohio's economy probably will grow less rapidly than the American economy.

Table: Annual Average Growth Rates Forecast for 2006-2016

	Figueroa & Woods (2007)			
Sector	U.S. GDP	Jobs in U.S.	ODJFS-LMI Jobs in Ohio	Differences in Job Growth Rates (U.S. Minus Ohio)
Total*	2.9%	1.0%	0.5%	0.5%
Agriculture, etc.	2.2%	-0.8%	-0.9%	0.1%
Mining	1.0%	-0.2%	0.2%	-0.4%
Utilities	0.9%	-0.6%	-0.8%	0.2%
Construction	1.4%	1.0%	0.9%	0.1%
Manufacturing	2.4%	-1.1%	-1.9%	0.8%
Wholesale trade	5.0%	0.7%	0.6%	0.1%
Retail trade	3.8%	0.4%	-0.1%	0.5%
Transportation & warehousing	2.9%	1.1%	1.1%	0.0%
Information	5.3%	0.7%	-0.3%	1.0%
Finance, insurance, real estate, etc., combined	3.7%	1.4%	0.8%	0.6%
Professional, scientific & technical services	3.4%	2.6%	1.7%	0.9%
Management of companies & enterprises	3.1%	1.4%	1.4%	0.0%
Administrative support, etc.	3.8%	1.9%	1.3%	0.6%
Education	2.0%	1.9%	1.6%	0.3%
Health care & social assistance	3.6%	2.4%	2.0%	0.4%
Arts, etc.	4.0%	2.7%	1.8%	0.9%
Accommodation & food services	1.4%	1.1%	0.8%	0.3%
Other private sector services	2.3%	0.4%	0.9%	0.4%
Federal government services	0.6%	-0.4%	-0.9%	0.5%
State and local government services	2.0%	0.7%	0.3%	0.4%

* - The self-employed, private household workers, and unpaid family workers are included here.
Sources: Figueroa & Woods (2007), ODJFS-LMI (2008).

See Tables A17-A20

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 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 Broda and Coakley (2008) 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, 2002). The U.S. BEA (2008) 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. Summary results of this change are shown in the table on the following page. Under the SIC system, almost all the 270,540 non-agricultural private-sector establishments in Ohio in 1997 were classified in nine divisions. Under the NAICS, the same establishments were spread across 20 sectors. (Less than one percent of the establishments were unclassifiable in either system). Counts of establishments in divisions or sectors with the same name differed between the systems in 1997: 877 vs. 843 in mining, 18,669 vs. 18,166 in manufacturing, 26,863 vs. 27,420 in construction, etc. Consequently, the change from the SIC system to the NAICS represents an insurmountable discontinuity in charting the changes in Ohio's economy. Presentations of trends have been limited to the times where the effects of inflation and deflation have been removed: 1990-1997 for the SIC system, and 1997-2006/7 for the NAICS. This report concentrates mostly on the latter period.

Table: Classification of Private Sector Establishments in Ohio, 1997, Under the 1987 SIC System and the 1997 NAICS

1987 SIC System			1997 NAICS		
Code	Division Title	Establishments	Code	Sector Title	Establishments
	Total*	270,540		Total*	270,540
A	Agricultural services-forestry-fishing-etc.	4,763	11	Forestry-fishing-etc.	380
B	Mining	877	21	Mining	843
C	Construction	26,863	23	Construction	27,420
D	Manufacturing	18,669	31-33	Manufacturing	18,166
E	Transportation-communications-utilities	10,828	48-49	Transportation & warehousing	6,812
			22	Utilities	535
F	Wholesale trade	20,419	42	Wholesale trade	17,464
G	Retail trade	64,626	44-45	Retail trade	44,620
H	Finance-insurance-real estate	24,694	52	Finance & insurance	16,316
			53	Real estate, rental, & leasing	9,612
I	Services	97,616	51	Information	3,522
			54	Professional-scientific-technical services	22,677
			55	Management of companies, etc.	1,765
			56	Administrative support, etc.	13,700
			61	Educational services	2,330
			62	Health care & social assistance	25,195
			71	Arts, entertainment & recreation	3,813
			72	Accommodation & food services	22,756
			81	Other services (except government)	30,712
			95	Auxiliaries (except code 55)	645
	Unclassified establishments	1,185	99	Unclassified establishments	1,257

Note * - All self-employed and agricultural workers, as well as most government and railroad employees, are excluded.
Sources: U.S. Bureau of the Census (1999, 2000).

DETAILED TABLES

Table A1: Ohio's Gross Domestic Product by Sector*, 2007 (in millions of current dollars, except percentages and ratios)

1997 NAICS Codes	Sector Titles	Ohio GDP 2007 (000,000)	Ohio GDP 2007 Percent Distribution	U.S. GDP 2007 (000,000)	U.S. GDP 2007 Percent Distribution	Ohio as a Percentage of the U.S.	Ohio::U.S. Concentra-tion Ratio
11-92	All Industries	$466,309	100.00%	$13,743,021	100.00%	3.39%	1.00
11-81	Private industries	$414,659	88.92%	$12,103,781	88.07%	3.43%	1.01
11	Agriculture, forestry, fishing & hunting	$3,762	0.81%	$161,385	1.17%	2.33%	0.69
21	Mining	$2,345	0.50%	$275,764	2.01%	0.85%	0.25
22	Utilities	$10,583	2.27%	$295,920	2.15%	3.58%	1.05
23	Construction	$15,712	3.37%	$562,625	4.09%	2.79%	0.82
31-33	Manufacturing	$85,068	18.24%	$1,615,777	11.76%	5.26%	1.55
32p & 33	Durable goods	$57,210	12.27%	$926,689	6.74%	6.17%	1.82
31 & 32p	Nondurable goods	$27,858	5.97%	$689,087	5.01%	4.04%	1.19
42	Wholesale trade	$28,489	6.11%	$799,053	5.81%	3.57%	1.05
44-45	Retail trade	$30,279	6.49%	$886,538	6.45%	3.42%	1.01
48-49 (exc. 491)	Transportation & warehousing, exc. Postal Service	$15,874	3.40%	$403,480	2.94%	3.93%	1.16
51	Information	$13,210	2.83%	$645,310	4.70%	2.05%	0.60
52	Finance & insurance	$37,907	8.13%	$1,113,599	8.10%	3.40%	1.00
53	Real estate, rental & leasing	$49,314	10.58%	$1,747,134	12.71%	2.82%	0.83
54	Professional & technical services	$26,945	5.78%	$1,003,077	7.30%	2.69%	0.79
55	Management of companies & enterprises	$14,524	3.11%	$261,705	1.90%	5.55%	1.64
56	Administrative & waste services	$13,915	2.98%	$419,429	3.05%	3.32%	0.98
61	Educational services	$3,675	0.79%	$129,411	0.94%	2.84%	0.84
62	Health care & social assistance	$38,099	8.17%	$961,326	7.00%	3.96%	1.17
71	Arts, entertainment & recreation	$3,461	0.74%	$131,132	0.95%	2.64%	0.78
72	Accommodation & food services	$10,634	2.28%	$374,545	2.73%	2.84%	0.84
81	Other services, exc. government	$10,863	2.33%	$316,573	2.30%	3.43%	1.01
92	Government (inc. Postal Service)	$51,651	11.08%	$1,639,241	11.93%	3.15%	0.93

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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A2: Ohio and U.S. Gross Domestic Product by Sector, 1997-2007 (in millions of chained 2000 dollars)

1997 NAICS Codes	Industry Titles	Area	Gross Domestic Product (standardized on 2000) 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007*	Percent Change 1997-2007
11-92	All Industries	U.S.	$8,620,955	$9,004,670	$9,404,251	$9,749,103	$9,836,576	$9,981,850	$10,225,679	$10,580,223	$10,899,704	$11,240,107	$11,467,503	33.0%
		Ohio	$350,603	$362,724	$368,482	$372,006	$365,735	$373,457	$378,719	$387,436	$389,956	$388,921	$390,334	11.3%
11-81	Private industries	U.S.	$7,525,575	$7,896,071	$8,285,467	$8,614,287	$8,692,542	$8,817,039	$9,050,829	$9,406,664	$9,726,362	$10,063,100	$10,276,007	36.5%
		Ohio	$312,343	$324,141	$329,933	$332,758	$326,274	$333,559	$339,195	$348,559	$351,471	$350,970	$352,615	12.9%
11	Agriculture, forestry, fishing & hunting	U.S.	$86,566	$84,578	$87,396	$98,020	$91,806	$96,811	$104,070	$111,043	$116,508	$117,565	$119,199	37.7%
		Ohio	$2,081	$1,789	$1,410	$1,815	$1,601	$1,517	$1,778	$2,036	$2,107	$2,425	$2,658	27.7%
21	Mining	U.S.	$124,322	$123,375	$126,552	$121,334	$114,922	$107,646	$106,680	$107,708	$105,123	$111,558	$111,607	-10.2%
		Ohio	$1,236	$1,456	$1,491	$1,486	$1,305	$1,365	$1,249	$1,230	$1,133	$1,101	$1,066	-13.8%
22	Utilities	U.S.	$172,560	$171,272	$179,204	$189,291	$179,980	$187,670	$200,629	$212,150	$207,421	$202,702	$213,496	23.7%
		Ohio	$7,319	$7,256	$7,365	$7,481	$7,405	$7,397	$7,383	$7,561	$7,349	$7,254	$7,636	4.3%
23	Construction	U.S.	$406,564	$423,216	$433,346	$435,914	$436,624	$428,070	$419,300	$420,351	$431,679	$405,707	$356,533	-12.3%
		Ohio	$15,763	$16,043	$16,120	$15,553	$14,683	$14,159	$13,551	$13,280	$12,955	$11,491	$9,957	-36.8%
31-33	Manufacturing	U.S.	$1,205,414	$1,286,185	$1,342,121	$1,426,218	$1,346,866	$1,384,377	$1,400,092	$1,478,319	$1,492,984	$1,536,573	$1,571,679	30.4%
		Ohio	$80,537	$84,744	$83,144	$83,968	$75,961	$80,612	$79,307	$83,240	$82,096	$80,554	$80,443	-0.1%
32p & 33	Durable goods	U.S.	$651,848	$729,898	$775,515	$865,268	$813,625	$827,746	$849,426	$898,784	$942,883	$999,826	$1,048,646	60.9%
		Ohio	$54,448	$58,823	$57,262	$59,949	$52,391	$54,417	$54,104	$56,918	$57,981	$57,524	$57,934	6.4%
31 & 32p	Nondurable goods	U.S.	$563,407	$559,614	$568,228	$560,950	$533,096	$555,657	$551,218	$580,406	$557,673	$551,846	$545,866	-3.1%
		Ohio	$26,219	$25,940	$25,923	$24,019	$23,516	$26,064	$25,122	$26,249	$24,255	$23,266	$22,835	-12.9%
42	Wholesale trade	U.S.	$506,767	$564,655	$594,132	$591,687	$633,123	$639,370	$653,105	$666,322	$678,293	$689,872	$696,340	37.4%
		Ohio	$20,886	$22,892	$23,574	$22,740	$24,097	$24,160	$24,491	$24,921	$25,130	$24,909	$24,827	18.9%
44-45	Retail trade	U.S.	$569,950	$598,829	$633,853	$662,430	$708,602	$723,996	$752,246	$771,948	$819,153	$859,967	$902,337	58.3%
		Ohio	$23,364	$24,598	$25,535	$26,448	$27,971	$28,120	$29,220	$29,264	$30,310	$29,759	$30,819	31.9%
48-49p	Transportation & warehousing[1]	U.S.	$266,552	$275,845	$287,449	$301,622	$293,641	$300,207	$306,250	$334,136	$347,986	$366,227	$377,696	41.7%
		Ohio	$10,256	$10,688	$11,038	$11,325	$10,657	$10,778	$10,811	$11,904	$12,759	$13,784	$14,049	37.0%
51	Information	U.S.	$341,706	$376,962	$437,528	$458,304	$476,793	$487,009	$501,522	$560,146	$624,377	$669,147	$729,216	113.4%
		Ohio	$9,109	$9,556	$10,517	$10,190	$10,671	$10,966	$11,385	$12,503	$13,634	$14,101	$15,003	64.7%
52	Finance & insurance	U.S.	$593,437	$634,611	$678,143	$740,488	$772,833	$789,961	$817,876	$826,490	$877,598	$963,705	$960,919	61.9%
		Ohio	$23,336	$24,028	$25,482	$26,395	$25,750	$26,519	$29,043	$29,913	$30,878	$32,185	$31,126	33.4%
53	Real estate, rental & leasing	U.S.	$1,085,381	$1,108,621	$1,156,980	$1,190,464	$1,232,575	$1,233,884	$1,254,307	$1,305,946	$1,358,213	$1,403,724	$1,433,893	32.1%
		Ohio	$35,786	$36,512	$38,503	$39,755	$40,917	$40,785	$40,075	$40,997	$40,278	$39,980	$40,471	13.1%
54	Professional & technical services	U.S.	$542,520	$585,863	$623,894	$675,122	$679,057	$668,771	$695,309	$749,984	$782,720	$829,836	$874,949	61.3%
		Ohio	$16,982	$18,083	$18,908	$19,181	$19,439	$19,154	$19,723	$20,936	$21,512	$22,388	$23,587	38.9%
55	Management of companies & enterprises	U.S.	$188,959	$184,040	$185,587	$183,354	$179,923	$185,334	$190,528	$181,333	$181,963	$177,505	$179,145	-5.2%
		Ohio	$9,036	$8,701	$8,948	$8,470	$8,323	$10,049	$10,983	$9,812	$10,460	$10,085	$9,942	10.0%
56	Administrative & waste services	U.S.	$270,029	$281,005	$296,887	$282,373	$274,423	$277,739	$295,512	$298,762	$315,488	$323,849	$339,767	25.8%
		Ohio	$10,653	$10,959	$11,060	$10,094	$9,476	$9,618	$10,432	$10,571	$10,838	$10,840	$11,264	5.7%
61	Educational services	U.S.	$73,107	$75,627	$77,139	$79,239	$79,108	$81,171	$84,038	$85,719	$85,486	$86,432	$89,291	22.1%
		Ohio	$2,361	$2,391	$2,331	$2,473	$2,382	$2,372	$2,441	$2,485	$2,489	$2,525	$2,536	7.4%
62	Health care & social assistance	U.S.	$570,023	$572,975	$583,006	$599,197	$620,972	$648,411	$677,678	$701,136	$715,850	$743,538	$769,349	35.0%
		Ohio	$24,754	$24,779	$25,073	$25,678	$26,377	$27,006	$27,962	$28,773	$29,088	$29,851	$30,131	21.7%
71	Arts, entertainment & recreation	U.S.	$84,201	$84,691	$87,884	$88,676	$91,464	$94,691	$96,501	$99,411	$99,364	$103,185	$104,201	23.8%
		Ohio	$2,406	$2,405	$2,623	$2,623	$2,727	$2,754	$2,752	$2,719	$2,680	$2,719	$2,750	14.3%
72	Accommodation & food services	U.S.	$232,117	$242,495	$251,175	$261,443	$256,161	$258,982	$268,093	$279,119	$284,160	$292,173	$298,614	28.6%
		Ohio	$7,734	$8,072	$7,928	$8,169	$7,961	$7,929	$8,169	$8,418	$8,377	$8,239	$8,448	9.2%
81	Other services, exc. government	U.S.	$227,487	$233,400	$229,656	$229,109	$225,302	$226,057	$230,521	$230,875	$229,537	$228,829	$233,700	2.7%
		Ohio	$8,884	$9,129	$8,952	$8,914	$8,641	$8,583	$8,703	$8,586	$8,235	$8,020	$8,019	-9.7%
92	Government[2]	U.S.	$1,085,200	$1,100,168	$1,113,472	$1,134,817	$1,146,456	$1,166,232	$1,177,394	$1,179,710	$1,184,398	$1,192,267	$1,207,966	11.3%
		Ohio	$38,308	$38,596	$38,547	$39,248	$39,456	$39,903	$39,582	$39,062	$38,734	$38,247	$38,062	-0.6%

Notes: * - preliminary; 1 - excludes the Postal Service; 2 - includes the 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 (2008), Woodruff et.al. (2006).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A3: Ohio's Gross Domestic Product by Industry, 1997-2006 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
11-92	All Industries*	$332,124	$348,723	$360,614	$372,006	$374,719	$389,773	$402,399	$423,735	$439,271	$451,600
11-81	Private industries	$297,165	$312,647	$323,413	$332,758	$333,804	$346,524	$357,434	$377,268	$391,114	$401,890
11	Agriculture, forestry, fishing & hunting	$2,743	$2,217	$1,523	$1,815	$1,737	$1,510	$1,996	$2,697	$2,370	$2,603
111-2	Crop & animal production (farms)	$2,530	$1,987	$1,251	$1,509	$1,470	$1,261	$1,721	$2,400	$2,076	$2,302
113-5	Forestry, fishing & related activities	$212	$230	$272	$306	$267	$249	$275	$297	$294	$301
21	Mining	$1,183	$1,196	$1,244	$1,486	$1,355	$1,395	$1,580	$1,809	$2,136	$2,282
211	Oil & gas extraction	$330	$265	$335	$483	$447	$570	$695	$830	$1,025	$1,052
212	Mining, except oil & gas	$762	$855	$843	$930	$816	$724	$756	$824	$913	$967
213	Support activities for mining	$91	$77	$67	$73	$91	$101	$128	$154	$198	$262
22	Utilities	$7,619	$7,660	$7,620	$7,481	$8,322	$8,172	$8,095	$8,564	$8,840	$9,783
23	Construction	$13,087	$14,192	$15,125	$15,553	$15,790	$15,952	$16,036	$17,035	$18,243	$17,845
31-33	Manufacturing	$80,055	$84,977	$83,502	$83,968	$76,824	$80,419	$78,481	$82,446	$82,982	$82,878
32p & 33	Durable goods	$55,566	$59,984	$58,119	$59,949	$52,055	$53,124	$51,825	$54,711	$55,846	$55,553
321	Wood products	$984	$1,108	$1,110	$1,170	$1,100	$1,146	$909	$1,299	$1,148	$1,133
327	Nonmetallic mineral products	$3,610	$3,397	$3,473	$3,486	$3,116	$3,389	$3,188	$3,055	$2,813	$2,919
331	Primary metals	$8,624	$8,367	$7,058	$6,679	$5,068	$4,584	$3,919	$5,778	$7,022	$6,789
332	Fabricated metal products	$9,265	$9,694	$10,065	$10,390	$9,074	$8,974	$9,248	$9,824	$10,253	$11,012
333	Machinery	$6,820	$7,758	$6,814	$6,566	$6,196	$5,642	$5,729	$6,226	$7,129	$7,003
334	Computer & electronic products	$2,485	$3,493	$3,201	$3,048	$2,223	$1,616	$1,469	$1,698	$2,077	$1,985
335	Electrical equipment & appliances	$3,877	$3,517	$4,078	$4,441	$4,233	$4,372	$5,210	$4,458	$4,305	$3,593
336	Transportation equipment	$16,661	$19,386	$19,010	$20,735	$17,822	$19,856	$18,645	$18,859	$17,666	$17,778
3361-3	Motor vehicles, bodies, trailers & parts	$14,251	$16,530	$15,828	$16,786	$13,934	$16,235	$15,338	$15,034	$13,450	$12,969
3364-9	Other transportation equipment	$2,410	$2,856	$3,182	$3,949	$3,888	$3,621	$3,307	$3,825	$4,216	$4,809
337	Furniture & related products	$1,238	$1,326	$1,422	$1,446	$1,365	$1,511	$1,627	$1,448	$1,455	$1,351
339	Miscellaneous mfg.	$2,003	$1,939	$1,888	$1,988	$1,857	$2,034	$1,881	$2,066	$1,979	$1,989
31 & 32p	Nondurable goods[1]	$24,488	$24,993	$25,384	$24,019	$24,769	$27,295	$26,656	$27,735	$27,136	$27,325
311-2	Food products	$6,593	$6,423	$6,679	$6,250	$7,263	$7,911	$7,098	$7,106	$6,607	$6,617
313-4	Textile & textile product mills	$357	$398	$436	$457	$424	$388	$401	$372	$342	$317
315	Apparel	$342	$250	$146	$171	$217	$208	$234	$223	$246	$230
322	Paper	$2,295	$2,175	$2,204	$2,164	$2,051	$2,203	$2,025	$2,075	$2,129	$2,130
323	Printing & related support activities	$2,294	$2,335	$2,352	$2,278	$2,204	$2,348	$2,451	$2,490	$2,469	$2,444
324	Petroleum & coal products	$715	$1,007	$613	$1,023	$1,106	$824	$973	$1,336	$2,058	$2,418
325	Chemical	$6,794	$6,948	$7,324	$6,290	$6,516	$7,763	$8,021	$8,588	$7,784	$7,527
326	Plastics & rubber products	$5,098	$5,458	$5,630	$5,387	$4,989	$5,650	$5,453	$5,547	$5,501	$5,643
42	Wholesale trade	$21,483	$22,012	$22,922	$22,740	$23,105	$23,253	$23,888	$25,682	$26,813	$27,521
44-45	Retail trade	$23,538	$24,590	$25,599	$26,448	$27,299	$27,948	$29,190	$29,453	$30,072	$29,345
48-49p	Transportation & warehousing[2]	$9,560	$10,403	$10,923	$11,325	$10,966	$11,245	$11,499	$12,857	$13,975	$15,319
481	Air transportation	$974	$1,057	$1,154	$1,200	$868	$947	$977	$1,027	$1,046	$1,331
482	Rail transportation	$1,038	$1,079	$1,066	$1,003	$1,007	$1,058	$1,109	$1,317	$1,518	$1,703
483	Water transportation	$206	$218	$198	$229	$206	$179	$194	$145	$136	$126
484	Truck transportation	$3,985	$4,358	$4,507	$4,596	$4,597	$4,819	$4,885	$5,545	$5,940	$6,119
485	Transit & ground passenger transportation	$219	$210	$215	$229	$232	$253	$255	$283	$277	$283
486	Pipeline transportation	$92	$112	$153	$116	$118	$157	$158	$146	$148	$175
487-8, 492	Other transportation & support activities	$2,203	$2,440	$2,637	$2,897	$2,919	$2,749	$2,698	$2,971	$3,185	$3,621
493	Warehousing & storage	$843	$930	$992	$1,056	$1,020	$1,082	$1,223	$1,422	$1,724	$1,962
51	Information	$9,334	$9,726	$10,586	$10,190	$10,658	$10,846	$11,064	$11,751	$12,364	$12,545
511	Publishing including software	$2,812	$2,874	$3,274	$2,919	$3,151	$3,439	$3,724	$4,082	$4,349	$4,382
512	Motion picture & sound recording industries	$168	$161	$222	$237	$227	$217	$211	$206	$208	$209
513	Broadcasting & telecommunications	$5,467	$5,903	$6,145	$6,273	$6,279	$6,156	$6,034	$6,368	$6,706	$6,813
514	Information & data processing srvcs.	$886	$789	$944	$760	$1,001	$1,034	$1,095	$1,095	$1,101	$1,141

Table A3: Ohio's Gross Domestic Product by Industry, 1997-2006 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
52	Finance & insurance	$22,044	$23,234	$24,835	$26,395	$26,344	$28,124	$31,733	$34,044	$35,994	$38,501
521-2	Federal Reserve, credit intermediation, etc.	$10,774	$11,155	$12,665	$12,701	$13,785	$15,836	$19,079	$20,722	$22,960	$24,470
523	Securities, commodity contracts, investments	$1,922	$2,178	$2,365	$2,685	$2,479	$2,262	$2,151	$2,227	$2,408	$2,659
524	Insurance carriers & related activities	$9,243	$9,815	$9,684	$10,857	$9,903	$9,865	$10,366	$10,946	$10,438	$11,165
525	Funds, trusts & other financial vehicles	$105	$86	$122	$152	$177	$161	$136	$149	$188	$208
53	Real estate, rental & leasing	$32,889	$34,366	$37,225	$39,755	$42,379	$43,610	$44,095	$46,178	$46,455	$47,360
531	Real estate	$29,964	$31,364	$33,902	$36,162	$38,954	$40,274	$40,893	$43,062	$43,351	$44,365
532-3	Rental & leasing srvcs., leasing intangible assets	$2,925	$3,002	$3,323	$3,593	$3,426	$3,336	$3,201	$3,115	$3,104	$2,995
54	Professional & technical srvcs.	$16,232	$17,461	$18,616	$19,181	$20,005	$20,195	$20,789	$22,109	$23,377	$24,914
5411	Legal srvcs.	$3,411	$3,537	$3,669	$3,837	$4,080	$4,200	$4,283	$4,582	$4,592	$4,736
5415	Computer systems design & related srvcs.	$2,281	$2,795	$3,263	$3,251	$3,620	$3,778	$3,794	$3,862	$4,007	$4,459
5412-4, 6-9	Other professional, scientific & technical srvcs.	$10,540	$11,129	$11,684	$12,093	$12,305	$12,218	$12,712	$13,664	$14,778	$15,719
55	Management of companies & enterprises	$6,966	$7,413	$8,219	$8,470	$8,217	$9,966	$11,270	$11,371	$13,502	$13,755
56	Administrative & waste srvcs.	$9,195	$9,920	$10,445	$10,094	$9,992	$10,389	$11,313	$11,880	$12,591	$13,178
561	Administrative & support srvcs.	$8,250	$8,900	$9,410	$9,056	$8,958	$9,321	$10,068	$10,605	$11,321	$11,883
562	Waste management & remediation srvcs.	$946	$1,020	$1,035	$1,038	$1,034	$1,068	$1,245	$1,275	$1,270	$1,295
61	Educational srvcs.	$2,010	$2,138	$2,199	$2,473	$2,562	$2,725	$2,907	$3,139	$3,318	$3,533
62	Health care & social assistance	$22,116	$23,043	$24,129	$25,678	$27,847	$29,558	$31,438	$33,434	$34,790	$36,618
621	Ambulatory health care srvcs.	$10,473	$10,915	$11,361	$12,205	$13,296	$14,002	$14,791	$15,467	$16,371	$17,246
622-3	Hospitals & nursing & residential care facilities	$10,303	$10,666	$11,156	$11,711	$12,614	$13,479	$14,485	$15,743	$16,098	$16,883
624	Social assistance	$1,340	$1,462	$1,613	$1,761	$1,937	$2,077	$2,162	$2,225	$2,321	$2,489
71	Arts, entertainment & recreation	$2,118	$2,184	$2,501	$2,623	$2,852	$2,978	$3,057	$3,111	$3,168	$3,326
711-2	Performing arts, museums & related activities	$871	$890	$1,117	$1,164	$1,315	$1,376	$1,414	$1,422	$1,490	$1,636
713	Amusements, gambling & recreation	$1,247	$1,294	$1,384	$1,458	$1,537	$1,603	$1,644	$1,689	$1,677	$1,690
72	Accommodation & food srvcs.	$7,284	$7,656	$7,707	$8,169	$8,288	$8,650	$8,989	$9,522	$9,789	$10,032
721	Accommodation	$1,284	$1,276	$1,315	$1,357	$1,275	$1,328	$1,308	$1,405	$1,441	$1,523
722	Food services & drinking places	$6,000	$6,380	$6,392	$6,812	$7,012	$7,322	$7,681	$8,117	$8,348	$8,510
81	Other srvcs., except government	$7,709	$8,259	$8,490	$8,914	$9,260	$9,587	$10,015	$10,186	$10,334	$10,553
92	Government	$34,959	$36,076	$37,201	$39,248	$40,915	$43,250	$44,965	$46,467	$48,158	$49,710
92a & b	Federal government	$7,224	$7,120	$7,160	$7,699	$7,665	$8,363	$8,976	$9,435	$9,768	$9,997
92a	Civilian[3]	$6,037	$5,963	$5,977	$6,457	$6,394	$6,777	$7,039	$7,350	$7,565	$7,861
92b	Military	$1,187	$1,157	$1,183	$1,242	$1,271	$1,586	$1,937	$2,085	$2,203	$2,136
92c	State & local	$27,735	$28,956	$30,041	$31,549	$33,250	$34,887	$35,989	$37,032	$38,390	$39,713

Notes: * - components may not sum to totals due to rounding; P - preliminary; 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 (2008).

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Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1997-2006 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[u]
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
11-81	Private industries	89.47%	89.65%	89.68%	89.45%	89.08%	88.90%	88.83%	89.03%	89.04%	88.99%
11	Agriculture, forestry, fishing & hunting	0.83%	0.64%	0.42%	0.49%	0.46%	0.39%	0.50%	0.64%	0.54%	0.58%
111-2	Crop & animal production (farms)	0.76%	0.57%	0.35%	0.41%	0.39%	0.32%	0.43%	0.57%	0.47%	0.51%
113-5	Forestry, fishing & related activities	0.06%	0.07%	0.08%	0.08%	0.07%	0.06%	0.07%	0.07%	0.07%	0.07%
21	Mining	0.36%	0.34%	0.34%	0.40%	0.36%	0.36%	0.39%	0.43%	0.49%	0.51%
211	Oil & gas extraction	0.10%	0.08%	0.09%	0.13%	0.12%	0.15%	0.17%	0.20%	0.23%	0.23%
212	Mining, except oil & gas	0.23%	0.25%	0.23%	0.25%	0.22%	0.19%	0.19%	0.19%	0.21%	0.21%
213	Support activities for mining	0.03%	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.04%	0.05%	0.06%
22	Utilities	2.29%	2.20%	2.11%	2.01%	2.22%	2.10%	2.01%	2.02%	2.01%	2.17%
23	Construction	3.94%	4.07%	4.19%	4.18%	4.21%	4.09%	3.99%	4.02%	4.15%	3.95%
31-33	Manufacturing	24.10%	24.37%	23.16%	22.57%	20.50%	20.63%	19.50%	19.46%	18.89%	18.35%
32p & 33	Durable goods	16.73%	17.20%	16.12%	16.12%	13.89%	13.63%	12.88%	12.91%	12.71%	12.30%
321	Wood products	0.30%	0.32%	0.31%	0.31%	0.29%	0.29%	0.23%	0.31%	0.26%	0.25%
327	Nonmetallic mineral products	1.09%	0.97%	0.96%	0.94%	0.83%	0.87%	0.79%	0.72%	0.64%	0.65%
331	Primary metals	2.60%	2.40%	1.96%	1.80%	1.35%	1.18%	0.97%	1.36%	1.60%	1.50%
332	Fabricated metal products	2.79%	2.78%	2.79%	2.79%	2.42%	2.30%	2.30%	2.32%	2.33%	2.44%
333	Machinery	2.05%	2.22%	1.89%	1.77%	1.65%	1.45%	1.42%	1.47%	1.62%	1.55%
334	Computer & electronic products	0.75%	1.00%	0.89%	0.82%	0.59%	0.41%	0.37%	0.40%	0.47%	0.44%
335	Electrical equipment & appliances	1.17%	1.01%	1.13%	1.19%	1.13%	1.12%	1.29%	1.05%	0.98%	0.80%
336	Transportation equipment	5.02%	5.56%	5.27%	5.57%	4.76%	5.09%	4.63%	4.45%	4.02%	3.94%
3361-3	Motor vehicles, bodies, trailers & parts	4.29%	4.74%	4.39%	4.51%	3.72%	4.17%	3.81%	3.55%	3.06%	2.87%
3364-9	Other transportation equipment	0.73%	0.82%	0.88%	1.06%	1.04%	0.93%	0.82%	0.90%	0.96%	1.06%
337	Furniture & related products	0.37%	0.38%	0.39%	0.39%	0.36%	0.39%	0.40%	0.34%	0.33%	0.30%
339	Miscellaneous mfg.	0.60%	0.56%	0.52%	0.53%	0.50%	0.52%	0.47%	0.49%	0.45%	0.44%
31 & 32p	Nondurable goods[1]	7.37%	7.17%	7.04%	6.46%	6.61%	7.00%	6.62%	6.55%	6.18%	6.05%
311-2	Food products	1.99%	1.84%	1.85%	1.68%	1.94%	2.03%	1.76%	1.68%	1.50%	1.47%
313-4	Textile & textile product mills	0.11%	0.11%	0.12%	0.12%	0.11%	0.10%	0.10%	0.09%	0.08%	0.07%
315	Apparel	0.10%	0.07%	0.04%	0.05%	0.06%	0.05%	0.06%	0.05%	0.06%	0.05%
322	Paper	0.69%	0.62%	0.61%	0.58%	0.55%	0.57%	0.50%	0.49%	0.48%	0.47%
323	Printing & related support activities	0.69%	0.67%	0.65%	0.61%	0.59%	0.60%	0.61%	0.59%	0.56%	0.54%
324	Petroleum & coal products	0.22%	0.29%	0.17%	0.27%	0.30%	0.21%	0.24%	0.32%	0.47%	0.54%
325	Chemical	2.05%	1.99%	2.03%	1.69%	1.74%	1.99%	1.99%	2.03%	1.77%	1.67%
326	Plastics & rubber products	1.53%	1.57%	1.56%	1.45%	1.33%	1.45%	1.36%	1.31%	1.25%	1.25%
42	Wholesale trade	6.47%	6.31%	6.36%	6.11%	6.17%	5.97%	5.94%	6.06%	6.10%	6.09%
44-45	Retail trade	7.09%	7.05%	7.10%	7.11%	7.29%	7.17%	7.25%	6.95%	6.85%	6.50%
48-49p	Transportation & warehousing[2]	2.88%	2.98%	3.03%	3.04%	2.93%	2.89%	2.86%	3.03%	3.18%	3.39%
481	Air transportation	0.29%	0.30%	0.32%	0.32%	0.23%	0.24%	0.24%	0.24%	0.24%	0.29%
482	Rail transportation	0.31%	0.31%	0.30%	0.27%	0.27%	0.27%	0.28%	0.31%	0.35%	0.38%
483	Water transportation	0.06%	0.06%	0.05%	0.06%	0.05%	0.05%	0.05%	0.03%	0.03%	0.03%
484	Truck transportation	1.20%	1.25%	1.25%	1.24%	1.23%	1.24%	1.21%	1.31%	1.35%	1.35%
485	Transit & ground passenger transportation	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.07%	0.06%	0.06%
486	Pipeline transportation	0.03%	0.03%	0.04%	0.03%	0.03%	0.04%	0.04%	0.03%	0.03%	0.04%
487-8, 492	Other transportation & support activities	0.66%	0.70%	0.73%	0.78%	0.78%	0.71%	0.67%	0.70%	0.73%	0.80%
493	Warehousing & storage	0.25%	0.27%	0.28%	0.28%	0.27%	0.28%	0.30%	0.34%	0.39%	0.43%
51	Information	2.81%	2.79%	2.94%	2.74%	2.84%	2.78%	2.75%	2.77%	2.81%	2.78%
511	Publishing including software	0.85%	0.82%	0.91%	0.78%	0.84%	0.88%	0.93%	0.96%	0.99%	0.97%
512	Motion picture & sound recording industries	0.05%	0.05%	0.06%	0.06%	0.06%	0.06%	0.05%	0.05%	0.05%	0.05%
513	Broadcasting & telecommunications	1.65%	1.69%	1.70%	1.69%	1.68%	1.58%	1.50%	1.50%	1.53%	1.51%
514	Information & data processing srvcs.	0.27%	0.23%	0.26%	0.20%	0.27%	0.27%	0.27%	0.26%	0.25%	0.25%

Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1997-2006 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
52	Finance & insurance	6.64%	6.66%	6.89%	7.10%	7.03%	7.22%	7.89%	8.03%	8.19%	8.53%
521-2	Federal Reserve, credit intermediation, etc.	3.24%	3.20%	3.51%	3.41%	3.68%	4.06%	4.74%	4.89%	5.23%	5.42%
523	Securities, commodity contracts, investments	0.58%	0.62%	0.66%	0.72%	0.66%	0.58%	0.53%	0.53%	0.55%	0.59%
524	Insurance carriers & related activities	2.78%	2.81%	2.69%	2.92%	2.64%	2.53%	2.58%	2.58%	2.38%	2.47%
525	Funds, trusts & other financial vehicles	0.03%	0.02%	0.03%	0.04%	0.05%	0.04%	0.03%	0.04%	0.04%	0.05%
53	Real estate, rental & leasing	9.90%	9.85%	10.32%	10.69%	11.31%	11.19%	10.96%	10.90%	10.58%	10.49%
531	Real estate	9.02%	8.99%	9.40%	9.72%	10.40%	10.33%	10.16%	10.16%	9.87%	9.82%
532-3	Rental & leasing srvcs., leasing intangible assets	0.88%	0.86%	0.92%	0.97%	0.91%	0.86%	0.80%	0.74%	0.71%	0.66%
54	Professional & technical srvcs.	4.89%	5.01%	5.16%	5.16%	5.34%	5.18%	5.17%	5.22%	5.32%	5.52%
5411	Legal srvcs.	1.03%	1.01%	1.02%	1.03%	1.09%	1.08%	1.06%	1.08%	1.05%	1.05%
5415	Computer systems design & related srvcs.	0.69%	0.80%	0.90%	0.87%	0.97%	0.97%	0.94%	0.91%	0.91%	0.99%
5412-4, 6-9	Other professional, scientific & technical srvcs.	3.17%	3.19%	3.24%	3.25%	3.28%	3.13%	3.16%	3.22%	3.36%	3.48%
55	Management of companies & enterprises	2.10%	2.13%	2.28%	2.28%	2.19%	2.56%	2.80%	2.68%	3.07%	3.05%
56	Administrative & waste srvcs.	2.77%	2.84%	2.90%	2.71%	2.67%	2.67%	2.81%	2.80%	2.87%	2.92%
561	Administrative & support srvcs.	2.48%	2.55%	2.61%	2.43%	2.39%	2.39%	2.50%	2.50%	2.58%	2.63%
562	Waste management & remediation srvcs.	0.28%	0.29%	0.29%	0.28%	0.28%	0.27%	0.31%	0.30%	0.29%	0.29%
61	Educational srvcs.	0.61%	0.61%	0.61%	0.66%	0.68%	0.70%	0.72%	0.74%	0.76%	0.78%
62	Health care & social assistance	6.66%	6.61%	6.69%	6.90%	7.43%	7.58%	7.81%	7.89%	7.92%	8.11%
621	Ambulatory health care srvcs.	3.15%	3.13%	3.15%	3.28%	3.55%	3.59%	3.68%	3.65%	3.73%	3.82%
622-3	Hospitals & nursing & residential care facilities	3.10%	3.06%	3.09%	3.15%	3.37%	3.46%	3.60%	3.72%	3.66%	3.74%
624	Social assistance	0.40%	0.42%	0.45%	0.47%	0.52%	0.53%	0.54%	0.53%	0.53%	0.55%
71	Arts, entertainment & recreation	0.64%	0.63%	0.69%	0.71%	0.76%	0.76%	0.76%	0.73%	0.72%	0.74%
711-2	Performing arts, museums & related activities	0.26%	0.26%	0.31%	0.31%	0.35%	0.35%	0.35%	0.34%	0.34%	0.36%
713	Amusements, gambling & recreation	0.38%	0.37%	0.38%	0.39%	0.41%	0.41%	0.41%	0.40%	0.38%	0.37%
72	Accommodation & food srvcs.	2.19%	2.20%	2.14%	2.20%	2.21%	2.22%	2.23%	2.25%	2.23%	2.22%
721	Accommodation	0.39%	0.37%	0.36%	0.36%	0.34%	0.34%	0.33%	0.33%	0.33%	0.34%
722	Food services & drinking places	1.81%	1.83%	1.77%	1.83%	1.87%	1.88%	1.91%	1.92%	1.90%	1.88%
81	Other srvcs., except government	2.32%	2.37%	2.35%	2.40%	2.47%	2.46%	2.49%	2.40%	2.35%	2.34%
92	Government	10.53%	10.35%	10.32%	10.55%	10.92%	11.10%	11.17%	10.97%	10.96%	11.01%
92a & b	Federal government	2.18%	2.04%	1.99%	2.07%	2.05%	2.15%	2.23%	2.23%	2.22%	2.21%
92a	Civilian[3]	1.82%	1.71%	1.66%	1.74%	1.71%	1.74%	1.75%	1.73%	1.72%	1.74%
92b	Military	0.36%	0.33%	0.33%	0.33%	0.34%	0.41%	0.48%	0.49%	0.50%	0.47%
92c	State & local	8.35%	8.30%	8.33%	8.48%	8.87%	8.95%	8.94%	8.74%	8.74%	8.79%

Notes: * - components may not sum to totals due to rounding; P - preliminary; 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A5: Ohio's Gross Domestic Product by Industry, 1997-2006 (in millions of chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Percent Change 1997-2006
11-92	All Industries*	$350,603	$362,724	$368,482	$372,006	$365,735	$373,457	$378,719	$387,436	$389,956	$388,921	10.9%
11-81	Private industries	$312,343	$324,141	$329,933	$332,758	$326,274	$333,559	$339,195	$348,559	$351,471	$350,970	12.4%
11	Agriculture, forestry, fishing & hunting	$2,081	$1,789	$1,410	$1,815	$1,601	$1,517	$1,778	$2,036	$2,107	$2,425	16.5%
111-2	Crop & animal production (farms)	$1,848	$1,551	$1,144	$1,509	$1,318	$1,248	$1,481	$1,719	$1,791	$2,106	14.0%
113-5	Forestry, fishing & related activities	$204	$224	$266	$306	$284	$270	$295	$307	$303	$297	45.6%
21	Mining	$1,236	$1,456	$1,491	$1,486	$1,305	$1,365	$1,249	$1,230	$1,133	$1,101	-10.9%
211	Oil & gas extraction	$559	$682	$649	$483	$479	$744	$579	$550	$475	$472	-15.6%
212	Mining, except oil & gas	$641	$775	$819	$930	$776	$652	$666	$653	$634	$592	-7.6%
213	Support activities for mining	$106	$71	$69	$73	$55	$41	$46	$56	$56	$58	-45.3%
22	Utilities	$7,319	$7,256	$7,365	$7,481	$7,405	$7,397	$7,383	$7,561	$7,349	$7,254	-0.9%
23	Construction	$15,763	$16,043	$16,120	$15,553	$14,683	$14,159	$13,551	$13,280	$12,955	$11,491	-27.1%
31-33	Manufacturing	$80,537	$84,744	$83,144	$83,968	$75,961	$80,612	$79,307	$83,240	$82,096	$80,554	0.0%
32p & 33	Durable goods	$54,448	$58,823	$57,262	$59,949	$52,391	$54,417	$54,104	$56,918	$57,981	$57,524	5.6%
321	Wood products	$1,031	$1,129	$1,058	$1,170	$1,085	$1,143	$861	$1,064	$956	$992	-3.8%
327	Nonmetallic mineral products	$3,880	$3,543	$3,474	$3,486	$3,137	$3,359	$3,194	$2,987	$2,556	$2,353	-39.4%
331	Primary metals	$8,066	$7,769	$7,181	$6,679	$5,327	$4,823	$4,324	$5,170	$5,491	$4,411	-45.3%
332	Fabricated metal products	$9,726	$9,838	$9,935	$10,390	$8,864	$8,721	$9,095	$9,415	$9,368	$10,000	2.8%
333	Machinery	$7,134	$7,920	$6,771	$6,566	$6,030	$5,454	$5,567	$6,239	$6,989	$6,803	-4.6%
334	Computer & electronic products	$1,068	$2,030	$2,466	$3,048	$2,953	$2,418	$2,542	$3,368	$4,715	$5,200	386.9%
335	Electrical equipment & appliances	$3,955	$3,504	$4,063	$4,441	$4,173	$4,377	$5,350	$4,551	$4,291	$3,363	-15.0%
336	Transportation equipment	$17,246	$20,057	$19,059	$20,735	$17,722	$20,753	$19,871	$20,945	$21,154	$23,189	34.5%
3361-3	Motor vehicles, bodies, trailers & parts	$14,561	$16,977	$15,720	$16,786	$14,056	$17,413	$16,930	$17,634	$17,614	$19,278	32.4%
3364-9	Other transportation equipment	$2,685	$3,080	$3,339	$3,949	$3,666	$3,340	$2,941	$3,311	$3,540	$3,911	45.7%
337	Furniture & related products	$1,338	$1,377	$1,446	$1,446	$1,315	$1,420	$1,528	$1,414	$1,372	$1,245	-7.0%
339	Miscellaneous mfg.	$2,073	$1,958	$1,872	$1,988	$1,793	$1,911	$1,767	$1,980	$1,914	$1,940	-6.4%
31 & 32p	Nondurable goods[1]	$26,219	$25,940	$25,923	$24,019	$23,516	$26,064	$25,122	$26,249	$24,255	$23,266	-11.3%
311-2	Food products	$7,628	$7,150	$6,744	$6,250	$6,780	$7,033	$6,401	$6,594	$6,045	$6,307	-17.3%
313-4	Textile & textile product mills	$356	$385	$421	$457	$402	$377	$410	$373	$347	$309	-13.2%
315	Apparel	$353	$254	$144	$171	$216	$210	$237	$229	$257	$240	-32.0%
322	Paper	$2,850	$2,503	$2,484	$2,164	$2,044	$2,226	$2,097	$2,210	$2,249	$2,129	-25.3%
323	Printing & related support activities	$2,427	$2,397	$2,367	$2,278	$2,128	$2,238	$2,354	$2,432	$2,423	$2,369	-2.4%
324	Petroleum & coal products	$802	$1,198	$915	$1,023	$793	$1,020	$763	$937	$900	$895	11.6%
325	Chemical	$6,846	$6,784	$7,322	$6,290	$6,345	$7,591	$7,577	$7,889	$6,657	$6,087	-11.1%
326	Plastics & rubber products	$5,097	$5,356	$5,508	$5,387	$4,833	$5,421	$5,362	$5,629	$5,485	$5,024	-1.4%
42	Wholesale trade	$20,886	$22,892	$23,574	$22,740	$24,097	$24,160	$24,491	$24,921	$25,130	$24,909	19.3%
44-45	Retail trade	$23,364	$24,598	$25,535	$26,448	$27,971	$28,120	$29,220	$29,264	$30,310	$29,759	27.4%
48-49p	Transportation & warehousing[2]	$10,256	$10,688	$11,038	$11,325	$10,657	$10,778	$10,811	$11,904	$12,759	$13,784	34.4%
481	Air transportation	$936	$980	$1,112	$1,200	$990	$1,230	$1,268	$1,579	$1,845	$2,197	134.7%
482	Rail transportation	$1,063	$1,074	$1,072	$1,003	$976	$987	$1,014	$1,151	$1,177	$1,496	40.7%
483	Water transportation	$230	$234	$197	$229	$190	$145	$119	$93	$90	$82	-64.3%
484	Truck transportation	$4,460	$4,598	$4,611	$4,596	$4,331	$4,409	$4,413	$4,846	$5,075	$5,077	13.8%
485	Transit & ground passenger transportation	$234	$218	$220	$229	$222	$236	$227	$248	$237	$236	0.9%
486	Pipeline transportation	$72	$84	$128	$116	$108	$131	$149	$145	$183	$177	145.8%
487-8, 492	Other transportation & support activities	$2,388	$2,552	$2,695	$2,897	$2,837	$2,645	$2,514	$2,695	$2,828	$3,134	31.2%
493	Warehousing & storage	$896	$969	$1,002	$1,056	$992	$1,033	$1,164	$1,291	$1,569	$1,754	95.8%
51	Information	$9,109	$9,556	$10,517	$10,190	$10,671	$10,966	$11,385	$12,503	$13,634	$14,101	54.8%
511	Publishing including software	$2,897	$2,998	$3,343	$2,919	$3,072	$3,336	$3,732	$4,254	$4,543	$4,528	56.3%
512	Motion picture & sound recording industries	$200	$186	$238	$237	$215	$200	$199	$188	$185	$183	-8.5%
513	Broadcasting & telecommunications	$5,102	$5,583	$6,011	$6,273	$6,410	$6,440	$6,391	$6,958	$7,789	$8,189	60.5%
514	Information & data processing srvcs.	$934	$787	$932	$760	$970	$979	$1,032	$1,073	$1,105	$1,207	29.2%

Table A5: Ohio's Gross Domestic Product by Industry, 1997-2006 (in millions of chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Percent Change 1997-2006
52	Finance & insurance	$23,336	$24,028	$25,482	$26,395	$25,750	$26,519	$29,043	$29,913	$30,878	$32,185	37.9%
521-2	Federal Reserve, credit intermediation, etc.	$12,552	$12,281	$13,504	$12,701	$13,244	$14,460	$17,095	$18,078	$19,584	$20,036	59.6%
523	Securities, commodity contracts, investments	$1,134	$1,496	$1,920	$2,685	$2,714	$2,587	$2,628	$2,682	$2,945	$3,380	198.1%
524	Insurance carriers & related activities	$9,906	$10,290	$10,005	$10,857	$9,670	$9,338	$9,124	$8,960	$8,246	$8,727	-11.9%
525	Funds, trusts & other financial vehicles	$347	$187	$165	$152	$124	$99	$102	$107	$135	$165	-52.4%
53	Real estate, rental & leasing	$35,786	$36,512	$38,503	$39,755	$40,917	$40,785	$40,075	$40,997	$40,278	$39,980	11.7%
531	Real estate	$32,822	$33,337	$35,015	$36,162	$37,488	$37,407	$36,970	$38,051	$37,474	$37,318	13.7%
532-3	Rental & leasing srvcs., leasing intangible assets	$2,970	$3,175	$3,488	$3,593	$3,424	$3,370	$3,081	$2,907	$2,763	$2,616	-11.9%
54	Professional & technical srvcs.	$16,982	$18,083	$18,908	$19,181	$19,439	$19,154	$19,723	$20,936	$21,512	$22,388	31.8%
5411	Legal srvcs.	$3,823	$3,793	$3,821	$3,837	$3,859	$3,820	$3,752	$3,785	$3,571	$3,472	-9.2%
5415	Computer systems design & related srvcs.	$2,406	$3,002	$3,403	$3,251	$3,569	$3,786	$3,883	$4,056	$4,209	$4,608	91.5%
5412-4, 6-9	Other professional, scientific & technical srvcs.	$10,754	$11,287	$11,689	$12,093	$12,013	$11,558	$12,109	$13,137	$13,838	$14,499	34.8%
55	Management of companies & enterprises	$9,036	$8,701	$8,948	$8,470	$8,323	$10,049	$10,983	$9,812	$10,460	$10,085	11.6%
56	Administrative & waste srvcs.	$10,653	$10,959	$11,060	$10,094	$9,476	$9,618	$10,432	$10,571	$10,838	$10,840	1.8%
561	Administrative & support srvcs.	$9,680	$9,935	$10,033	$9,056	$8,488	$8,638	$9,314	$9,513	$9,750	$9,808	1.3%
562	Waste management & remediation srvcs.	$977	$1,027	$1,031	$1,038	$988	$980	$1,117	$1,061	$1,091	$1,035	5.9%
61	Educational srvcs.	$2,361	$2,391	$2,331	$2,473	$2,382	$2,372	$2,441	$2,485	$2,489	$2,525	6.9%
62	Health care & social assistance	$24,754	$24,779	$25,073	$25,678	$26,377	$27,006	$27,962	$28,773	$29,088	$29,851	20.6%
621	Ambulatory health care srvcs.	$11,293	$11,441	$11,623	$12,205	$12,798	$13,280	$13,769	$14,078	$14,617	$15,230	34.9%
622-3	Hospitals & nursing & residential care facilities	$11,924	$11,733	$11,752	$11,711	$11,721	$11,777	$12,172	$12,607	$12,359	$12,441	4.3%
624	Social assistance	$1,550	$1,611	$1,703	$1,761	$1,864	$1,969	$2,042	$2,100	$2,185	$2,302	48.5%
71	Arts, entertainment & recreation	$2,406	$2,405	$2,623	$2,623	$2,727	$2,754	$2,752	$2,719	$2,680	$2,719	13.0%
711-2	Performing arts, museums & related activities	$1,023	$1,012	$1,188	$1,164	$1,251	$1,264	$1,253	$1,211	$1,211	$1,280	25.1%
713	Amusements, gambling & recreation	$1,381	$1,390	$1,435	$1,458	$1,475	$1,490	$1,500	$1,509	$1,469	$1,436	4.0%
72	Accommodation & food srvcs.	$7,734	$8,072	$7,928	$8,169	$7,961	$7,929	$8,169	$8,418	$8,377	$8,239	6.5%
721	Accommodation	$1,453	$1,369	$1,358	$1,357	$1,244	$1,292	$1,256	$1,280	$1,251	$1,286	-11.5%
722	Food services & drinking places	$6,288	$6,702	$6,570	$6,812	$6,716	$6,639	$6,909	$7,134	$7,121	$6,950	10.5%
81	Other srvcs., except government	$8,884	$9,129	$8,952	$8,914	$8,641	$8,583	$8,703	$8,586	$8,235	$8,020	-9.7%
92	Government	$38,308	$38,596	$38,547	$39,248	$39,456	$39,903	$39,582	$39,062	$38,734	$38,247	-0.2%
92a & b	Federal government	$7,924	$7,748	$7,489	$7,699	$7,458	$7,614	$7,697	$7,553	$7,437	$7,300	-7.9%
92a	Civilian[3]	$6,629	$6,505	$6,260	$6,457	$6,237	$6,209	$6,116	$5,955	$5,881	$5,873	-11.4%
92b	Military	$1,295	$1,243	$1,229	$1,242	$1,221	$1,405	$1,581	$1,598	$1,556	$1,427	10.2%
92c	State & local	$30,390	$30,851	$31,058	$31,549	$31,997	$32,283	$31,868	$31,491	$31,284	$30,948	1.8%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; 1 - leather and allied products included by 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
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%
11-81	Private industries	89.09%	89.36%	89.54%	89.45%	89.21%	89.32%	89.56%	89.97%	90.13%	90.24%	1.15%
11	Agriculture, forestry, fishing & hunting	0.59%	0.49%	0.38%	0.49%	0.44%	0.41%	0.47%	0.53%	0.54%	0.62%	0.03%
111-2	Crop & animal production (farms)	0.53%	0.43%	0.31%	0.41%	0.36%	0.33%	0.39%	0.44%	0.46%	0.54%	0.01%
113-5	Forestry, fishing & related activities	0.06%	0.06%	0.07%	0.08%	0.08%	0.07%	0.08%	0.08%	0.08%	0.08%	0.02%
21	Mining	0.35%	0.40%	0.40%	0.40%	0.36%	0.37%	0.33%	0.32%	0.29%	0.28%	-0.07%
211	Oil & gas extraction	0.16%	0.19%	0.18%	0.13%	0.13%	0.20%	0.15%	0.14%	0.12%	0.12%	-0.04%
212	Mining, except oil & gas	0.18%	0.21%	0.22%	0.25%	0.21%	0.17%	0.18%	0.17%	0.16%	0.15%	-0.03%
213	Support activities for mining	0.03%	0.02%	0.02%	0.02%	0.02%	0.01%	0.01%	0.01%	0.01%	0.01%	-0.02%
22	Utilities	2.09%	2.00%	2.00%	2.01%	2.02%	1.98%	1.95%	1.95%	1.88%	1.87%	-0.22%
23	Construction	4.50%	4.42%	4.37%	4.18%	4.01%	3.79%	3.58%	3.43%	3.32%	2.95%	-1.54%
31-33	Manufacturing	22.97%	23.36%	22.56%	22.57%	20.77%	21.59%	20.94%	21.48%	21.05%	20.71%	-2.26%
32p & 33	Durable goods	15.53%	16.22%	15.54%	16.12%	14.32%	14.57%	14.29%	14.69%	14.87%	14.79%	-0.74%
321	Wood products	0.29%	0.31%	0.29%	0.31%	0.30%	0.31%	0.23%	0.27%	0.25%	0.26%	-0.04%
327	Nonmetallic mineral products	1.11%	0.98%	0.94%	0.94%	0.86%	0.90%	0.84%	0.77%	0.66%	0.61%	-0.50%
331	Primary metals	2.30%	2.14%	1.95%	1.80%	1.46%	1.29%	1.14%	1.33%	1.41%	1.13%	-1.17%
332	Fabricated metal products	2.77%	2.71%	2.70%	2.79%	2.42%	2.34%	2.40%	2.43%	2.40%	2.57%	-0.20%
333	Machinery	2.03%	2.18%	1.84%	1.77%	1.65%	1.46%	1.47%	1.61%	1.79%	1.75%	-0.29%
334	Computer & electronic products	0.30%	0.56%	0.67%	0.82%	0.81%	0.65%	0.67%	0.87%	1.21%	1.34%	1.03%
335	Electrical equipment & appliances	1.13%	0.97%	1.10%	1.19%	1.14%	1.17%	1.41%	1.17%	1.10%	0.86%	-0.26%
336	Transportation equipment	4.92%	5.53%	5.17%	5.57%	4.85%	5.56%	5.25%	5.41%	5.42%	5.96%	1.04%
3361-3	Motor vehicles, bodies, trailers & parts	4.15%	4.68%	4.27%	4.51%	3.84%	4.66%	4.47%	4.55%	4.52%	4.96%	0.80%
3364-9	Other transportation equipment	0.77%	0.85%	0.91%	1.06%	1.00%	0.89%	0.78%	0.85%	0.91%	1.01%	0.24%
337	Furniture & related products	0.38%	0.38%	0.39%	0.39%	0.36%	0.38%	0.40%	0.36%	0.35%	0.32%	-0.06%
339	Miscellaneous mfg.	0.59%	0.54%	0.51%	0.53%	0.49%	0.51%	0.47%	0.51%	0.49%	0.50%	-0.09%
31 & 32p	Nondurable goods[1]	7.48%	7.15%	7.04%	6.46%	6.43%	6.98%	6.63%	6.78%	6.22%	5.98%	-1.50%
311-2	Food products	2.18%	1.97%	1.83%	1.68%	1.85%	1.88%	1.69%	1.70%	1.55%	1.62%	-0.55%
313-4	Textile & textile product mills	0.10%	0.11%	0.11%	0.12%	0.11%	0.10%	0.11%	0.10%	0.09%	0.08%	-0.02%
315	Apparel	0.10%	0.07%	0.04%	0.05%	0.06%	0.06%	0.06%	0.06%	0.07%	0.06%	-0.04%
322	Paper	0.81%	0.69%	0.67%	0.58%	0.56%	0.60%	0.55%	0.57%	0.58%	0.55%	-0.27%
323	Printing & related support activities	0.69%	0.66%	0.64%	0.61%	0.58%	0.60%	0.62%	0.63%	0.62%	0.61%	-0.08%
324	Petroleum & coal products	0.23%	0.33%	0.25%	0.27%	0.22%	0.27%	0.20%	0.24%	0.23%	0.23%	0.00%
325	Chemical	1.95%	1.87%	1.99%	1.69%	1.73%	2.03%	2.00%	2.04%	1.71%	1.57%	-0.39%
326	Plastics & rubber products	1.45%	1.48%	1.49%	1.45%	1.32%	1.45%	1.42%	1.45%	1.41%	1.29%	-0.16%
42	Wholesale trade	5.96%	6.31%	6.40%	6.11%	6.59%	6.47%	6.47%	6.43%	6.44%	6.40%	0.45%
44-45	Retail trade	6.66%	6.78%	6.93%	7.11%	7.65%	7.53%	7.72%	7.55%	7.77%	7.65%	0.99%
48-49p	Transportation & warehousing[2]	2.93%	2.95%	3.00%	3.04%	2.91%	2.89%	2.85%	3.07%	3.27%	3.54%	0.62%
481	Air transportation	0.27%	0.27%	0.30%	0.32%	0.27%	0.33%	0.33%	0.41%	0.47%	0.56%	0.30%
482	Rail transportation	0.30%	0.30%	0.29%	0.27%	0.27%	0.26%	0.27%	0.30%	0.30%	0.38%	0.08%
483	Water transportation	0.07%	0.06%	0.05%	0.06%	0.05%	0.04%	0.03%	0.02%	0.02%	0.02%	-0.04%
484	Truck transportation	1.27%	1.27%	1.25%	1.24%	1.18%	1.18%	1.17%	1.25%	1.30%	1.31%	0.03%
485	Transit & ground passenger transportation	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	-0.01%
486	Pipeline transportation	0.02%	0.02%	0.03%	0.03%	0.03%	0.04%	0.04%	0.04%	0.05%	0.05%	0.02%
487-8, 492	Other transportation & support activities	0.68%	0.70%	0.73%	0.78%	0.78%	0.71%	0.66%	0.70%	0.73%	0.81%	0.12%
493	Warehousing & storage	0.26%	0.27%	0.27%	0.28%	0.27%	0.28%	0.31%	0.33%	0.40%	0.45%	0.20%
51	Information	2.60%	2.63%	2.85%	2.74%	2.92%	2.94%	3.01%	3.23%	3.50%	3.63%	1.03%
511	Publishing including software	0.83%	0.83%	0.91%	0.78%	0.84%	0.89%	0.99%	1.10%	1.17%	1.16%	0.34%
512	Motion picture & sound recording industries	0.06%	0.05%	0.06%	0.06%	0.06%	0.05%	0.05%	0.05%	0.05%	0.05%	-0.01%
513	Broadcasting & telecommunications	1.46%	1.54%	1.63%	1.69%	1.75%	1.72%	1.69%	1.80%	2.00%	2.11%	0.65%
514	Information & data processing srvcs.	0.27%	0.22%	0.25%	0.20%	0.27%	0.26%	0.27%	0.28%	0.28%	0.31%	0.04%

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
52	Finance & insurance	6.66%	6.62%	6.92%	7.10%	7.04%	7.10%	7.67%	7.72%	7.92%	8.28%	1.62%
521-2	Federal Reserve, credit intermediation, etc.	3.58%	3.39%	3.66%	3.41%	3.62%	3.87%	4.51%	4.67%	5.02%	5.15%	1.57%
523	Securities, commodity contracts, investments	0.32%	0.41%	0.52%	0.72%	0.74%	0.69%	0.69%	0.69%	0.76%	0.87%	0.55%
524	Insurance carriers & related activities	2.83%	2.84%	2.72%	2.92%	2.64%	2.50%	2.41%	2.31%	2.11%	2.24%	-0.58%
525	Funds, trusts & other financial vehicles	0.10%	0.05%	0.04%	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.04%	-0.06%
53	Real estate, rental & leasing	10.21%	10.07%	10.45%	10.69%	11.19%	10.92%	10.58%	10.58%	10.33%	10.28%	0.07%
531	Real estate	9.36%	9.19%	9.50%	9.72%	10.25%	10.02%	9.76%	9.82%	9.61%	9.60%	0.23%
532-3	Rental & leasing srvcs., leasing intangible assets	0.85%	0.88%	0.95%	0.97%	0.94%	0.90%	0.81%	0.75%	0.71%	0.67%	-0.17%
54	Professional & technical srvcs.	4.84%	4.99%	5.13%	5.16%	5.32%	5.13%	5.21%	5.40%	5.52%	5.76%	0.91%
5411	Legal srvcs.	1.09%	1.05%	1.04%	1.03%	1.06%	1.02%	0.99%	0.98%	0.92%	0.89%	-0.20%
5415	Computer systems design & related srvcs.	0.69%	0.83%	0.92%	0.87%	0.98%	1.01%	1.03%	1.05%	1.08%	1.18%	0.50%
5412-4, 6-9	Other professional, scientific & technical srvcs.	3.07%	3.11%	3.17%	3.25%	3.28%	3.09%	3.20%	3.39%	3.55%	3.73%	0.66%
55	Management of companies & enterprises	2.58%	2.40%	2.43%	2.28%	2.28%	2.69%	2.90%	2.53%	2.68%	2.59%	0.02%
56	Administrative & waste srvcs.	3.04%	3.02%	3.00%	2.71%	2.59%	2.58%	2.75%	2.73%	2.78%	2.79%	-0.25%
561	Administrative & support srvcs.	2.76%	2.74%	2.72%	2.43%	2.32%	2.31%	2.46%	2.46%	2.50%	2.52%	-0.24%
562	Waste management & remediation srvcs.	0.28%	0.28%	0.28%	0.28%	0.27%	0.26%	0.29%	0.27%	0.28%	0.27%	-0.01%
61	Educational srvcs.	0.67%	0.66%	0.63%	0.66%	0.65%	0.64%	0.64%	0.64%	0.64%	0.65%	-0.02%
62	Health care & social assistance	7.06%	6.83%	6.80%	6.90%	7.21%	7.23%	7.38%	7.43%	7.46%	7.68%	0.61%
621	Ambulatory health care srvcs.	3.22%	3.15%	3.15%	3.28%	3.50%	3.56%	3.64%	3.63%	3.75%	3.92%	0.69%
622-3	Hospitals & nursing & residential care facilities	3.40%	3.23%	3.19%	3.15%	3.20%	3.15%	3.21%	3.25%	3.17%	3.20%	-0.20%
624	Social assistance	0.44%	0.44%	0.46%	0.47%	0.51%	0.53%	0.54%	0.54%	0.56%	0.59%	0.15%
71	Arts, entertainment & recreation	0.69%	0.66%	0.71%	0.71%	0.75%	0.74%	0.73%	0.70%	0.69%	0.70%	0.01%
711-2	Performing arts, museums & related activities	0.29%	0.28%	0.32%	0.31%	0.34%	0.34%	0.33%	0.31%	0.31%	0.33%	0.04%
713	Amusements, gambling & recreation	0.39%	0.38%	0.39%	0.39%	0.40%	0.40%	0.40%	0.39%	0.38%	0.37%	-0.02%
72	Accommodation & food srvcs.	2.21%	2.23%	2.15%	2.20%	2.18%	2.12%	2.16%	2.17%	2.15%	2.12%	-0.09%
721	Accommodation	0.41%	0.38%	0.37%	0.36%	0.34%	0.35%	0.33%	0.33%	0.32%	0.33%	-0.08%
722	Food services & drinking places	1.79%	1.85%	1.78%	1.83%	1.84%	1.78%	1.82%	1.84%	1.83%	1.79%	-0.01%
81	Other srvcs., except government	2.53%	2.52%	2.43%	2.40%	2.36%	2.30%	2.30%	2.22%	2.11%	2.06%	-0.47%
92	Government	10.93%	10.64%	10.46%	10.55%	10.79%	10.68%	10.45%	10.08%	9.93%	9.83%	-1.09%
92a & b	Federal government	2.26%	2.14%	2.03%	2.07%	2.04%	2.04%	2.03%	1.95%	1.91%	1.88%	-0.38%
92a	Civilian[3]	1.89%	1.79%	1.70%	1.74%	1.71%	1.66%	1.61%	1.54%	1.51%	1.51%	-0.38%
92b	Military	0.37%	0.34%	0.33%	0.33%	0.33%	0.38%	0.42%	0.41%	0.40%	0.37%	0.00%
92c	State & local	8.67%	8.51%	8.43%	8.48%	8.75%	8.64%	8.41%	8.13%	8.02%	7.96%	-0.71%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; 1 - leather and allied products included by 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 (2008).

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Table A7: U.S. Gross Domestic Product by Industry, 1997-2006 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
11-92	All Industries*	$8,237,994	$8,679,657	$9,201,138	$9,749,103	$10,058,168	$10,398,402	$10,886,172	$11,607,041	$12,346,871	$13,119,938
11-81	Private industries	$7,247,521	$7,652,502	$8,127,194	$8,614,287	$8,869,651	$9,131,169	$9,542,338	$10,194,273	$10,861,451	$11,556,044
11	Agriculture, forestry, fishing & hunting	$110,737	$102,395	$93,779	$98,020	$97,895	$95,444	$114,383	$142,160	$128,752	$125,398
111-2	Crop & animal production (farms)	$88,142	$78,901	$68,774	$71,526	$73,134	$70,819	$88,267	$114,673	$100,866	$95,678
113-5	Forestry, fishing & related activities	$22,595	$23,494	$25,005	$26,494	$24,761	$24,625	$26,116	$27,487	$27,886	$29,720
21	Mining	$92,649	$74,785	$85,397	$121,334	$118,737	$106,534	$143,345	$171,341	$225,674	$262,383
211	Oil & gas extraction	$52,902	$35,173	$47,217	$80,990	$72,515	$62,753	$93,817	$114,315	$149,627	$159,440
212	Mining, except oil & gas	$26,414	$27,031	$27,492	$26,992	$27,082	$26,834	$27,238	$30,333	$37,661	$43,492
213	Support activities for mining	$13,333	$12,581	$10,688	$13,352	$19,140	$16,946	$22,290	$26,693	$38,385	$59,452
22	Utilities	$179,637	$180,806	$185,416	$189,291	$202,286	$207,326	$219,976	$240,271	$249,498	$273,397
23	Construction	$337,557	$374,387	$406,602	$435,914	$469,535	$482,277	$496,212	$539,216	$607,879	$630,031
31-33	Manufacturing	$1,279,823	$1,343,850	$1,373,112	$1,426,218	$1,341,330	$1,352,640	$1,359,327	$1,427,887	$1,483,900	$1,549,725
32p & 33	Durable goods	$755,476	$806,865	$820,392	$865,268	$778,871	$774,784	$771,794	$807,475	$840,869	$882,845
321	Wood products	$27,948	$29,358	$31,930	$31,437	$31,313	$30,421	$32,103	$37,477	$37,089	$37,448
327	Nonmetallic mineral products	$40,708	$42,327	$45,103	$45,743	$44,862	$45,941	$45,134	$49,335	$50,733	$54,690
331	Primary metals	$48,337	$49,422	$47,302	$48,192	$41,072	$41,943	$38,352	$54,533	$57,823	$63,390
332	Fabricated metal products	$108,119	$112,705	$116,360	$121,686	$112,040	$107,403	$106,304	$115,193	$123,273	$131,083
333	Machinery	$98,064	$111,472	$105,630	$109,296	$103,157	$96,525	$94,277	$103,446	$114,781	$123,204
334	Computer & electronic products	$154,403	$165,673	$162,777	$185,563	$136,931	$124,152	$124,001	$125,461	$132,715	$139,708
335	Electrical equipment & appliances	$45,596	$44,735	$48,196	$50,580	$49,194	$48,785	$48,804	$45,659	$43,977	$44,986
336	Transportation equipment	$157,513	$172,171	$179,650	$182,544	$172,869	$188,524	$186,445	$177,819	$181,052	$187,263
3361-3	Motor vehicles, bodies, trailers & parts	$103,095	$108,827	$115,397	$118,105	$103,694	$118,882	$124,093	$106,942	$99,093	$96,859
3364-9	Other transportation equipment	$54,418	$63,344	$64,253	$64,439	$69,175	$69,642	$62,352	$70,877	$81,959	$90,404
337	Furniture & related products	$27,060	$29,101	$30,965	$32,712	$30,200	$31,061	$33,447	$31,196	$30,806	$31,385
339	Miscellaneous mfg.	$47,729	$49,902	$52,480	$57,514	$57,234	$60,029	$62,928	$67,357	$68,620	$69,690
31 & 32p	Nondurable goods[1]	$524,347	$536,985	$552,720	$560,950	$562,459	$577,855	$587,533	$620,413	$643,031	$666,879
311-2	Food products	$135,357	$137,539	$153,567	$154,809	$167,129	$172,880	$167,940	$161,045	$163,701	$160,660
313-4	Textile & textile product mills	$26,996	$27,127	$26,440	$26,453	$22,713	$21,948	$23,107	$23,119	$21,249	$19,457
315	Apparel	$27,177	$26,049	$24,739	$25,052	$22,796	$20,913	$18,259	$17,325	$16,549	$16,413
322	Paper	$51,484	$52,154	$54,150	$55,594	$48,946	$50,311	$50,310	$50,687	$52,526	$52,460
323	Printing & related support activities	$44,667	$46,508	$48,183	$49,009	$46,868	$45,662	$45,249	$45,554	$45,226	$46,188
324	Petroleum & coal products	$27,116	$30,643	$22,399	$26,248	$33,376	$26,246	$39,148	$56,621	$77,759	$86,341
325	Chemical	$150,846	$153,362	$157,142	$157,057	$157,227	$174,363	$179,485	$198,746	$199,751	$213,956
326	Plastics & rubber products	$60,704	$63,603	$66,100	$66,728	$63,406	$65,534	$64,034	$67,314	$66,270	$71,404
42	Wholesale trade	$521,250	$542,940	$577,702	$591,687	$607,078	$615,365	$637,005	$686,657	$723,740	$762,206
44-45	Retail trade	$574,192	$598,633	$635,456	$662,430	$691,578	$719,578	$751,483	$776,919	$812,739	$847,985
48-49p	Transportation & warehousing[2]	$253,724	$273,703	$287,409	$301,622	$296,948	$304,557	$316,576	$344,625	$358,527	$385,444
481	Air transportation	$49,457	$52,501	$54,888	$57,678	$49,960	$48,336	$51,729	$49,142	$45,494	$49,985
482	Rail transportation	$23,030	$24,532	$24,668	$25,530	$25,559	$26,191	$28,079	$29,835	$33,268	$37,496
483	Water transportation	$6,510	$6,516	$6,414	$7,222	$7,417	$6,958	$8,739	$9,510	$9,228	$9,936
484	Truck transportation	$78,395	$86,196	$89,838	$92,821	$93,315	$95,651	$98,360	$111,395	$118,640	$124,702
485	Transit & ground passenger transportation	$12,978	$13,778	$14,400	$14,457	$15,088	$15,684	$16,066	$17,580	$17,371	$18,056
486	Pipeline transportation	$8,774	$9,245	$9,243	$8,718	$9,166	$11,519	$9,858	$10,671	$9,121	$11,285
487-8, 492	Other transportation & support activities	$55,033	$59,852	$64,750	$70,225	$71,359	$73,378	$75,425	$85,337	$90,555	$96,863
493	Warehousing & storage	$19,549	$21,085	$23,209	$24,971	$25,084	$26,841	$28,320	$31,155	$34,849	$37,123
51	Information	$347,804	$381,572	$439,313	$458,304	$476,934	$482,981	$489,083	$530,619	$570,546	$598,770
511	Publishing including software	$87,457	$96,656	$118,664	$116,733	$118,671	$118,993	$123,546	$130,830	$142,237	$150,282
512	Motion picture & sound recording industries	$24,298	$25,288	$30,107	$32,525	$33,568	$38,884	$38,282	$40,243	$41,955	$43,071
513	Broadcasting & telecommunications	$208,860	$229,782	$253,833	$271,301	$283,196	$278,949	$277,937	$302,218	$324,154	$336,936
514	Information & data processing srvcs.	$27,189	$29,847	$36,709	$37,746	$41,499	$46,156	$49,318	$57,328	$62,199	$68,481

Table A7: U.S. Gross Domestic Product by Industry, 1997-2006 (in millions of current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
52	Finance & insurance	$595,541	$641,118	$679,841	$740,488	$782,627	$822,728	$864,623	$907,883	$982,497	$1,093,733
521-2	Federal Reserve, credit intermediation, etc.	$259,541	$277,742	$308,007	$319,025	$360,055	$417,443	$445,015	$457,792	$506,097	$569,742
523	Securities, commodity contracts, investments	$119,469	$134,070	$139,929	$167,713	$170,223	$148,390	$145,887	$158,266	$183,797	$217,772
524	Insurance carriers & related activities	$206,566	$217,437	$216,867	$238,264	$234,393	$237,439	$254,999	$267,747	$264,457	$280,862
525	Funds, trusts & other financial vehicles	$9,965	$11,869	$15,038	$15,486	$17,956	$19,456	$18,723	$24,077	$28,146	$25,357
53	Real estate, rental & leasing	$997,789	$1,043,489	$1,118,552	$1,190,464	$1,276,571	$1,319,162	$1,379,995	$1,470,887	$1,566,455	$1,662,826
531	Real estate	$907,934	$950,297	$1,017,945	$1,082,119	$1,169,698	$1,215,893	$1,274,230	$1,366,737	$1,461,295	$1,557,072
532-3	Rental & leasing srvcs., leasing intangible assets	$89,854	$93,192	$100,608	$108,345	$106,872	$103,269	$105,765	$104,149	$105,160	$105,754
54	Professional & technical srvcs.	$518,129	$565,310	$613,935	$675,122	$698,825	$705,227	$733,125	$792,709	$851,919	$925,333
5411	Legal srvcs.	$114,460	$120,893	$127,345	$136,126	$145,563	$145,752	$154,213	$168,743	$176,420	$186,785
5415	Computer systems design & related srvcs.	$78,642	$92,862	$107,792	$125,744	$127,064	$127,323	$124,333	$126,870	$132,959	$146,493
5412-4, 6-9	Other professional, scientific & technical srvcs.	$325,027	$351,555	$378,798	$413,251	$426,198	$432,152	$454,580	$497,096	$542,540	$592,054
55	Management of companies & enterprises	$145,665	$156,810	$170,458	$183,354	$177,636	$183,799	$195,502	$210,146	$234,882	$242,095
56	Administrative & waste srvcs.	$232,734	$254,047	$280,150	$282,373	$289,419	$299,958	$320,303	$335,335	$366,435	$393,477
561	Administrative & support srvcs.	$211,363	$231,877	$255,407	$257,207	$264,073	$273,252	$290,899	$304,336	$334,397	$359,294
562	Waste management & remediation srvcs.	$21,372	$22,170	$24,742	$25,166	$25,346	$26,706	$29,403	$30,999	$32,039	$34,183
61	Educational srvcs.	$62,240	$67,634	$72,774	$79,239	$85,094	$93,268	$100,096	$108,296	$113,940	$120,946
62	Health care & social assistance	$510,849	$533,904	$561,713	$599,197	$654,233	$706,300	$757,169	$807,972	$847,594	$901,366
621	Ambulatory health care srvcs.	$267,232	$276,083	$288,565	$307,624	$338,120	$361,803	$385,673	$406,661	$433,554	$464,519
622-3	Hospitals & nursing & residential care facilities	$203,552	$214,539	$225,565	$238,552	$258,044	$281,113	$303,854	$330,483	$340,015	$358,319
624	Social assistance	$40,065	$43,282	$47,583	$53,022	$58,069	$63,384	$67,641	$70,828	$74,026	$78,528
71	Arts, entertainment & recreation	$74,044	$76,824	$83,801	$88,676	$95,664	$102,390	$107,188	$113,744	$117,448	$126,182
711-2	Performing arts, museums & related activities	$32,911	$34,634	$37,757	$40,012	$42,695	$46,731	$49,577	$52,713	$55,013	$60,390
713	Amusements, gambling & recreation	$41,133	$42,190	$46,044	$48,664	$52,969	$55,659	$57,611	$61,031	$62,434	$65,792
72	Accommodation & food srvcs.	$215,752	$229,148	$243,973	$261,443	$265,805	$279,115	$291,674	$313,718	$330,972	$353,643
721	Accommodation	$74,689	$78,072	$84,297	$90,672	$87,487	$89,100	$90,692	$98,428	$105,123	$112,358
722	Food services & drinking places	$141,062	$151,077	$159,677	$170,771	$178,318	$190,015	$200,982	$215,290	$225,849	$241,285
81	Other srvcs., except government	$197,403	$211,147	$217,810	$229,109	$241,458	$252,521	$265,274	$273,890	$288,054	$301,103
92	Government	$990,474	$1,027,155	$1,073,944	$1,134,817	$1,188,517	$1,267,233	$1,343,833	$1,412,768	$1,485,420	$1,563,894
92a & b	Federal government	$286,640	$285,571	$294,588	$310,885	$315,894	$346,126	$373,990	$400,494	$419,340	$440,959
92a	Civilian[3]	$199,987	$199,071	$205,804	$217,540	$217,867	$235,469	$247,827	$264,376	$271,841	$285,948
92b	Military	$86,653	$86,500	$88,784	$93,345	$98,027	$110,657	$126,163	$136,118	$147,499	$155,011
92c	State & local	$703,834	$741,584	$779,356	$823,931	$872,623	$921,107	$969,844	$1,012,274	$1,066,080	$1,122,935

Notes: * - components may not sum to totals due to rounding; P - preliminary; 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1997-2006 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
11-92	All Industries*	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
11-81	Private industries	87.98%	88.17%	88.33%	88.36%	88.18%	87.81%	87.66%	87.83%	87.97%	88.08%
11	Agriculture, forestry, fishing & hunting	1.34%	1.18%	1.02%	1.01%	0.97%	0.92%	1.05%	1.22%	1.04%	0.96%
111-2	Crop & animal production (farms)	1.07%	0.91%	0.75%	0.73%	0.73%	0.68%	0.81%	0.99%	0.82%	0.73%
113-5	Forestry, fishing & related activities	0.27%	0.27%	0.27%	0.27%	0.25%	0.24%	0.24%	0.24%	0.23%	0.23%
21	Mining	1.12%	0.86%	0.93%	1.24%	1.18%	1.02%	1.32%	1.48%	1.83%	2.00%
211	Oil & gas extraction	0.64%	0.41%	0.51%	0.83%	0.72%	0.60%	0.86%	0.98%	1.21%	1.22%
212	Mining, except oil & gas	0.32%	0.31%	0.30%	0.28%	0.27%	0.26%	0.25%	0.26%	0.31%	0.33%
213	Support activities for mining	0.16%	0.14%	0.12%	0.14%	0.19%	0.16%	0.20%	0.23%	0.31%	0.45%
22	Utilities	2.18%	2.08%	2.02%	1.94%	2.01%	1.99%	2.02%	2.07%	2.02%	2.08%
23	Construction	4.10%	4.31%	4.42%	4.47%	4.67%	4.64%	4.56%	4.65%	4.92%	4.80%
31-33	Manufacturing	15.54%	15.48%	14.92%	14.63%	13.34%	13.01%	12.49%	12.30%	12.02%	11.81%
32p & 33	Durable goods	9.17%	9.30%	8.92%	8.88%	7.74%	7.45%	7.09%	6.96%	6.81%	6.73%
321	Wood products	0.34%	0.34%	0.35%	0.32%	0.31%	0.29%	0.29%	0.32%	0.30%	0.29%
327	Nonmetallic mineral products	0.49%	0.49%	0.49%	0.47%	0.45%	0.44%	0.41%	0.43%	0.41%	0.42%
331	Primary metals	0.59%	0.57%	0.51%	0.49%	0.41%	0.40%	0.35%	0.47%	0.47%	0.48%
332	Fabricated metal products	1.31%	1.30%	1.26%	1.25%	1.11%	1.03%	0.98%	0.99%	1.00%	1.00%
333	Machinery	1.19%	1.28%	1.15%	1.12%	1.03%	0.93%	0.87%	0.89%	0.93%	0.94%
334	Computer & electronic products	1.87%	1.91%	1.77%	1.90%	1.36%	1.19%	1.14%	1.08%	1.07%	1.06%
335	Electrical equipment & appliances	0.55%	0.52%	0.52%	0.52%	0.49%	0.47%	0.45%	0.39%	0.36%	0.34%
336	Transportation equipment	1.91%	1.98%	1.95%	1.87%	1.72%	1.81%	1.71%	1.53%	1.47%	1.43%
3361-3	Motor vehicles, bodies, trailers & parts	1.25%	1.25%	1.25%	1.21%	1.03%	1.14%	1.14%	0.92%	0.80%	0.74%
3364-9	Other transportation equipment	0.66%	0.73%	0.70%	0.66%	0.69%	0.67%	0.57%	0.61%	0.66%	0.69%
337	Furniture & related products	0.33%	0.34%	0.34%	0.34%	0.30%	0.30%	0.31%	0.27%	0.25%	0.24%
339	Miscellaneous mfg.	0.58%	0.57%	0.57%	0.59%	0.57%	0.58%	0.58%	0.58%	0.56%	0.53%
31 & 32p	Nondurable goods[1]	6.36%	6.19%	6.01%	5.75%	5.59%	5.56%	5.40%	5.35%	5.21%	5.08%
311-2	Food products	1.64%	1.58%	1.67%	1.59%	1.66%	1.66%	1.54%	1.39%	1.33%	1.22%
313-4	Textile & textile product mills	0.33%	0.31%	0.29%	0.27%	0.23%	0.21%	0.21%	0.20%	0.17%	0.15%
315	Apparel	0.33%	0.30%	0.27%	0.26%	0.23%	0.20%	0.17%	0.15%	0.13%	0.13%
322	Paper	0.62%	0.60%	0.59%	0.57%	0.49%	0.48%	0.46%	0.44%	0.43%	0.40%
323	Printing & related support activities	0.54%	0.54%	0.52%	0.50%	0.47%	0.44%	0.42%	0.39%	0.37%	0.35%
324	Petroleum & coal products	0.33%	0.35%	0.24%	0.27%	0.33%	0.25%	0.36%	0.49%	0.63%	0.66%
325	Chemical	1.83%	1.77%	1.71%	1.61%	1.56%	1.68%	1.65%	1.71%	1.62%	1.63%
326	Plastics & rubber products	0.74%	0.73%	0.72%	0.68%	0.63%	0.63%	0.59%	0.58%	0.54%	0.54%
42	Wholesale trade	6.33%	6.26%	6.28%	6.07%	6.04%	5.92%	5.85%	5.92%	5.86%	5.81%
44-45	Retail trade	6.97%	6.90%	6.91%	6.79%	6.88%	6.92%	6.90%	6.69%	6.58%	6.46%
48-49p	Transportation & warehousing[2]	3.08%	3.15%	3.12%	3.09%	2.95%	2.93%	2.91%	2.97%	2.90%	2.94%
481	Air transportation	0.60%	0.60%	0.60%	0.59%	0.50%	0.46%	0.48%	0.42%	0.37%	0.38%
482	Rail transportation	0.28%	0.28%	0.27%	0.26%	0.25%	0.25%	0.26%	0.26%	0.27%	0.29%
483	Water transportation	0.08%	0.08%	0.07%	0.07%	0.07%	0.07%	0.08%	0.08%	0.07%	0.08%
484	Truck transportation	0.95%	0.99%	0.98%	0.95%	0.93%	0.92%	0.90%	0.96%	0.96%	0.95%
485	Transit & ground passenger transportation	0.16%	0.16%	0.16%	0.15%	0.15%	0.15%	0.15%	0.15%	0.14%	0.14%
486	Pipeline transportation	0.11%	0.11%	0.10%	0.09%	0.09%	0.11%	0.09%	0.09%	0.07%	0.09%
487-8, 492	Other transportation & support activities	0.67%	0.69%	0.70%	0.72%	0.71%	0.71%	0.69%	0.74%	0.73%	0.74%
493	Warehousing & storage	0.24%	0.24%	0.25%	0.26%	0.25%	0.26%	0.26%	0.27%	0.28%	0.28%
51	Information	4.22%	4.40%	4.77%	4.70%	4.74%	4.64%	4.49%	4.57%	4.62%	4.56%
511	Publishing including software	1.06%	1.11%	1.29%	1.20%	1.18%	1.14%	1.13%	1.13%	1.15%	1.15%
512	Motion picture & sound recording industries	0.29%	0.29%	0.33%	0.33%	0.33%	0.37%	0.35%	0.35%	0.34%	0.33%
513	Broadcasting & telecommunications	2.54%	2.65%	2.76%	2.78%	2.82%	2.68%	2.55%	2.60%	2.63%	2.57%
514	Information & data processing srvcs.	0.33%	0.34%	0.40%	0.39%	0.41%	0.44%	0.45%	0.49%	0.50%	0.52%

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1997-2006 (based on current dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]
52	Finance & insurance	7.23%	7.39%	7.39%	7.60%	7.78%	7.91%	7.94%	7.82%	7.96%	8.34%
521-2	Federal Reserve, credit intermediation, etc.	3.15%	3.20%	3.35%	3.27%	3.58%	4.01%	4.09%	3.94%	4.10%	4.34%
523	Securities, commodity contracts, investments	1.45%	1.54%	1.52%	1.72%	1.69%	1.43%	1.34%	1.36%	1.49%	1.66%
524	Insurance carriers & related activities	2.51%	2.51%	2.36%	2.44%	2.33%	2.28%	2.34%	2.31%	2.14%	2.14%
525	Funds, trusts & other financial vehicles	0.12%	0.14%	0.16%	0.16%	0.18%	0.19%	0.17%	0.21%	0.23%	0.19%
53	Real estate, rental & leasing	12.11%	12.02%	12.16%	12.21%	12.69%	12.69%	12.68%	12.67%	12.69%	12.67%
531	Real estate	11.02%	10.95%	11.06%	11.10%	11.63%	11.69%	11.71%	11.78%	11.84%	11.87%
532-3	Rental & leasing srvcs., leasing intangible assets	1.09%	1.07%	1.09%	1.11%	1.06%	0.99%	0.97%	0.90%	0.85%	0.81%
54	Professional & technical srvcs.	6.29%	6.51%	6.67%	6.92%	6.95%	6.78%	6.73%	6.83%	6.90%	7.05%
5411	Legal srvcs.	1.39%	1.39%	1.38%	1.40%	1.45%	1.40%	1.42%	1.45%	1.43%	1.42%
5415	Computer systems design & related srvcs.	0.95%	1.07%	1.17%	1.29%	1.26%	1.22%	1.14%	1.09%	1.08%	1.12%
5412-4, 6-9	Other professional, scientific & technical srvcs.	3.95%	4.05%	4.12%	4.24%	4.24%	4.16%	4.18%	4.28%	4.39%	4.51%
55	Management of companies & enterprises	1.77%	1.81%	1.85%	1.88%	1.77%	1.77%	1.80%	1.81%	1.90%	1.85%
56	Administrative & waste srvcs.	2.83%	2.93%	3.04%	2.90%	2.88%	2.88%	2.94%	2.89%	2.97%	3.00%
561	Administrative & support srvcs.	2.57%	2.67%	2.78%	2.64%	2.63%	2.63%	2.67%	2.62%	2.71%	2.74%
562	Waste management & remediation srvcs.	0.26%	0.26%	0.27%	0.26%	0.25%	0.26%	0.27%	0.27%	0.26%	0.26%
61	Educational srvcs.	0.76%	0.78%	0.79%	0.81%	0.85%	0.90%	0.92%	0.93%	0.92%	0.92%
62	Health care & social assistance	6.20%	6.15%	6.10%	6.15%	6.50%	6.79%	6.96%	6.96%	6.86%	6.87%
621	Ambulatory health care srvcs.	3.24%	3.18%	3.14%	3.16%	3.36%	3.48%	3.54%	3.50%	3.51%	3.54%
622-3	Hospitals & nursing & residential care facilities	2.47%	2.47%	2.45%	2.45%	2.57%	2.70%	2.79%	2.85%	2.75%	2.73%
624	Social assistance	0.49%	0.50%	0.52%	0.54%	0.58%	0.61%	0.62%	0.61%	0.60%	0.60%
71	Arts, entertainment & recreation	0.90%	0.89%	0.91%	0.91%	0.95%	0.98%	0.98%	0.98%	0.95%	0.96%
711-2	Performing arts, museums & related activities	0.40%	0.40%	0.41%	0.41%	0.42%	0.45%	0.46%	0.45%	0.45%	0.46%
713	Amusements, gambling & recreation	0.50%	0.49%	0.50%	0.50%	0.53%	0.54%	0.53%	0.53%	0.51%	0.50%
72	Accommodation & food srvcs.	2.62%	2.64%	2.65%	2.68%	2.64%	2.68%	2.68%	2.70%	2.68%	2.70%
721	Accommodation	0.91%	0.90%	0.92%	0.93%	0.87%	0.86%	0.83%	0.85%	0.85%	0.86%
722	Food services & drinking places	1.71%	1.74%	1.74%	1.75%	1.77%	1.83%	1.85%	1.85%	1.83%	1.84%
81	Other srvcs., except government	2.40%	2.43%	2.37%	2.35%	2.40%	2.43%	2.44%	2.36%	2.33%	2.30%
92	Government	12.02%	11.83%	11.67%	11.64%	11.82%	12.19%	12.34%	12.17%	12.03%	11.92%
92a & b	Federal government	3.48%	3.29%	3.20%	3.19%	3.14%	3.33%	3.44%	3.45%	3.40%	3.36%
92a	Civilian[3]	2.43%	2.29%	2.24%	2.23%	2.17%	2.26%	2.28%	2.28%	2.20%	2.18%
92b	Military	1.05%	1.00%	0.96%	0.96%	0.97%	1.06%	1.16%	1.17%	1.19%	1.18%
92c	State & local	8.54%	8.54%	8.47%	8.45%	8.68%	8.86%	8.91%	8.72%	8.63%	8.56%

Notes: * - components may not sum to totals due to rounding; P - preliminary; 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A9: U.S. Gross Domestic Product by Industry, 1997-2006 (in millions of chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Percent Change 1997-2006
11-92	All Industries*	$8,620,955	$9,004,670	$9,404,251	$9,749,103	$9,836,576	$9,981,850	$10,225,679	$10,580,223	$10,899,704	$11,240,107	30.4%
11-81	Private industries	$7,525,575	$7,896,071	$8,285,467	$8,614,287	$8,692,542	$8,817,039	$9,050,829	$9,406,664	$9,726,362	$10,063,100	33.7%
11	Agriculture, forestry, fishing & hunting	$86,566	$84,578	$87,396	$98,020	$91,806	$96,811	$104,070	$111,043	$116,508	$117,565	35.8%
111-2	Crop & animal production (farms)	$64,376	$61,587	$62,883	$71,526	$65,607	$70,096	$75,975	$82,136	$86,984	$87,532	36.0%
113-5	Forestry, fishing & related activities	$21,716	$22,896	$24,539	$26,494	$26,305	$26,700	$27,979	$28,423	$28,782	$29,310	35.0%
21	Mining	$124,322	$123,375	$126,552	$121,334	$114,922	$107,646	$106,680	$107,708	$105,123	$111,558	-10.3%
211	Oil & gas extraction	$89,592	$90,621	$91,535	$80,990	$77,708	$81,961	$78,110	$75,649	$69,293	$71,530	-20.2%
212	Mining, except oil & gas	$22,214	$24,498	$26,703	$26,992	$25,759	$24,164	$23,984	$24,044	$26,143	$26,592	19.7%
213	Support activities for mining	$15,479	$11,707	$10,997	$13,352	$11,585	$6,943	$7,978	$9,680	$10,903	$13,108	-15.3%
22	Utilities	$172,560	$171,272	$179,204	$189,291	$179,980	$187,670	$200,629	$212,150	$207,421	$202,702	17.5%
23	Construction	$406,564	$423,216	$433,346	$435,914	$436,624	$428,070	$419,300	$420,351	$431,679	$405,707	-0.2%
31-33	Manufacturing	$1,205,414	$1,286,185	$1,342,121	$1,426,218	$1,346,866	$1,384,377	$1,400,092	$1,478,319	$1,492,984	$1,536,573	27.5%
32p & 33	Durable goods	$651,848	$729,898	$775,515	$865,268	$813,625	$827,746	$849,426	$898,784	$942,883	$999,826	53.4%
321	Wood products	$29,267	$29,928	$30,448	$31,437	$30,889	$30,324	$30,422	$30,706	$30,900	$32,770	12.0%
327	Nonmetallic mineral products	$43,758	$44,149	$45,121	$45,743	$45,171	$45,531	$45,222	$48,239	$46,109	$44,082	0.7%
331	Primary metals	$45,211	$45,894	$48,130	$48,192	$43,172	$44,123	$42,315	$48,800	$45,218	$41,186	-8.9%
332	Fabricated metal products	$113,499	$114,384	$114,862	$121,686	$109,444	$104,382	$104,553	$110,400	$112,627	$119,036	4.9%
333	Machinery	$102,579	$113,799	$104,960	$109,296	$100,402	$93,306	$91,617	$103,650	$112,533	$119,685	16.7%
334	Computer & electronic products	$66,362	$96,264	$125,407	$185,563	$181,894	$185,757	$214,559	$248,911	$301,284	$365,966	451.5%
335	Electrical equipment & appliances	$46,516	$44,573	$48,017	$50,580	$48,495	$48,839	$50,119	$46,608	$43,836	$42,108	-9.5%
336	Transportation equipment	$165,958	$180,083	$182,019	$182,544	$169,816	$191,740	$192,425	$186,781	$198,595	$217,505	31.1%
3361-3	Motor vehicles, bodies, trailers & parts	$105,342	$111,774	$114,607	$118,105	$104,597	$127,512	$136,971	$125,433	$129,775	$143,979	36.7%
3364-9	Other transportation equipment	$60,616	$68,309	$67,412	$64,439	$65,219	$64,228	$55,454	$61,348	$68,820	$73,526	21.3%
337	Furniture & related products	$29,256	$30,208	$31,487	$32,712	$29,078	$29,193	$31,416	$30,450	$29,056	$28,921	-1.1%
339	Miscellaneous mfg.	$49,408	$50,388	$52,056	$57,514	$55,251	$56,383	$59,104	$64,559	$66,352	$67,956	37.5%
31 & 32p	Nondurable goods[1]	$563,407	$559,614	$568,228	$560,950	$533,096	$555,657	$551,218	$580,406	$557,673	$551,846	-2.1%
311-2	Food products	$156,598	$153,108	$155,057	$154,809	$156,012	$153,684	$151,442	$149,438	$149,790	$153,120	-2.2%
313-4	Textile & textile product mills	$26,951	$26,262	$25,561	$26,453	$21,548	$21,375	$23,581	$23,219	$21,571	$19,014	-29.4%
315	Apparel	$27,999	$26,378	$24,392	$25,052	$22,716	$21,120	$18,487	$17,848	$17,286	$17,172	-38.7%
322	Paper	$63,939	$60,013	$61,016	$55,594	$48,784	$50,835	$52,107	$53,996	$55,500	$52,421	-18.0%
323	Printing & related support activities	$47,262	$47,737	$48,488	$49,009	$45,271	$43,522	$43,459	$44,496	$44,381	$44,764	-5.3%
324	Petroleum & coal products	$30,397	$36,471	$33,470	$26,248	$23,939	$32,494	$30,690	$39,699	$33,991	$31,948	5.1%
325	Chemical	$152,008	$149,755	$157,095	$157,057	$153,090	$170,484	$169,560	$182,577	$170,828	$173,030	13.8%
326	Plastics & rubber products	$60,694	$62,423	$64,662	$66,728	$61,420	$62,874	$62,959	$68,314	$66,076	$63,576	4.7%
42	Wholesale trade	$506,767	$564,655	$594,132	$591,687	$633,123	$639,370	$653,105	$666,322	$678,293	$689,872	36.1%
44-45	Retail trade	$569,950	$598,829	$633,853	$662,430	$708,602	$723,996	$752,246	$771,948	$819,153	$859,967	50.9%
48-49p	Transportation & warehousing[2]	$266,552	$275,845	$287,449	$301,622	$293,641	$300,207	$306,250	$334,136	$347,986	$366,227	37.4%
481	Air transportation	$47,514	$48,680	$52,877	$57,678	$57,027	$62,766	$67,172	$75,544	$80,199	$82,530	73.7%
482	Rail transportation	$23,591	$24,418	$24,804	$25,530	$24,776	$24,448	$25,674	$26,072	$25,783	$32,945	39.7%
483	Water transportation	$7,268	$7,005	$6,367	$7,222	$6,842	$5,624	$5,355	$6,056	$6,107	$6,505	-10.5%
484	Truck transportation	$87,734	$90,953	$91,923	$92,821	$87,934	$87,510	$88,858	$97,349	$101,361	$103,461	17.9%
485	Transit & ground passenger transportation	$13,896	$14,274	$14,732	$14,457	$14,481	$14,620	$14,317	$15,378	$14,887	$15,071	8.5%
486	Pipeline transportation	$6,853	$6,950	$7,738	$8,718	$8,339	$9,612	$9,291	$10,586	$11,253	$11,369	65.9%
487-8, 492	Other transportation & support activities	$59,654	$62,594	$66,172	$70,225	$69,376	$70,587	$70,285	$77,417	$80,404	$83,841	40.5%
493	Warehousing & storage	$20,782	$21,975	$23,444	$24,971	$24,392	$25,631	$26,943	$28,287	$31,712	$33,185	59.7%
51	Information	$341,706	$376,962	$437,528	$458,304	$476,793	$487,009	$501,522	$560,146	$624,377	$669,147	95.8%
511	Publishing including software	$90,087	$100,827	$121,159	$116,733	$115,688	$115,418	$123,817	$136,341	$148,588	$155,321	72.4%
512	Motion picture & sound recording industries	$28,859	$29,357	$32,264	$32,525	$31,876	$35,793	$36,142	$36,819	$37,355	$37,554	30.1%
513	Broadcasting & telecommunications	$194,914	$217,315	$248,295	$271,301	$289,116	$291,824	$294,375	$330,222	$376,535	$404,960	107.8%
514	Information & data processing srvcs.	$28,656	$29,785	$36,225	$37,746	$40,205	$43,691	$46,481	$56,136	$62,420	$72,441	152.8%

Table A9: U.S. Gross Domestic Product by Industry, 1997-2006 (in millions of chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Percent Change 1997-2006
52	Finance & insurance	$593,437	$634,611	$678,143	$740,488	$772,833	$789,961	$817,876	$826,490	$877,598	$963,705	62.4%
521-2	Federal Reserve, credit intermediation, etc.	$302,385	$305,769	$328,422	$319,025	$345,930	$381,172	$398,738	$399,399	$431,690	$466,524	54.3%
523	Securities, commodity contracts, investments	$70,455	$92,120	$113,619	$167,713	$186,356	$169,752	$178,170	$190,624	$224,741	$276,831	292.9%
524	Insurance carriers & related activities	$221,389	$227,952	$224,064	$238,264	$228,892	$224,737	$224,455	$219,164	$208,917	$219,546	-0.8%
525	Funds, trusts & other financial vehicles	$32,937	$25,716	$20,409	$15,486	$12,565	$11,975	$14,064	$17,360	$20,136	$20,186	-38.7%
53	Real estate, rental & leasing	$1,085,381	$1,108,621	$1,156,980	$1,190,464	$1,232,575	$1,233,884	$1,254,307	$1,305,946	$1,358,213	$1,403,724	29.3%
531	Real estate	$994,531	$1,010,069	$1,051,357	$1,082,119	$1,125,691	$1,129,335	$1,151,967	$1,207,686	$1,263,204	$1,309,745	31.7%
532-3	Rental & leasing srvcs., leasing intangible assets	$91,224	$98,563	$105,592	$108,345	$106,816	$104,328	$101,806	$97,202	$93,600	$92,381	1.3%
54	Professional & technical srvcs.	$542,520	$585,863	$623,894	$675,122	$679,057	$668,771	$695,309	$749,984	$782,720	$829,836	53.0%
5411	Legal srvcs.	$128,287	$129,660	$132,603	$136,126	$137,688	$132,564	$135,082	$139,375	$137,175	$136,906	6.7%
5415	Computer systems design & related srvcs.	$82,970	$99,725	$112,424	$125,744	$125,273	$127,597	$127,256	$133,239	$139,664	$151,402	82.5%
5412-4, 6-9	Other professional, scientific & technical srvcs.	$331,612	$356,568	$378,963	$413,251	$416,064	$408,827	$433,030	$477,919	$508,028	$546,126	64.7%
55	Management of companies & enterprises	$188,959	$184,040	$185,587	$183,354	$179,923	$185,334	$190,528	$181,333	$181,963	$177,505	-6.1%
56	Administrative & waste srvcs.	$270,029	$281,005	$296,887	$282,373	$274,423	$277,739	$295,512	$298,762	$315,488	$323,849	19.9%
561	Administrative & support srvcs.	$248,011	$258,839	$272,314	$257,207	$250,206	$253,233	$269,109	$273,008	$288,001	$296,571	19.6%
562	Waste management & remediation srvcs.	$22,093	$22,326	$24,647	$25,166	$24,215	$24,506	$26,395	$25,799	$27,523	$27,332	23.7%
61	Educational srvcs.	$73,107	$75,627	$77,139	$79,239	$79,108	$81,171	$84,038	$85,719	$85,486	$86,432	18.2%
62	Health care & social assistance	$570,023	$572,975	$583,006	$599,197	$620,972	$648,411	$677,678	$701,136	$715,850	$743,538	30.4%
621	Ambulatory health care srvcs.	$288,159	$289,376	$295,220	$307,624	$325,447	$343,133	$359,022	$370,161	$387,099	$410,225	42.4%
622-3	Hospitals & nursing & residential care facilities	$235,580	$236,010	$237,614	$238,552	$239,783	$245,615	$255,346	$264,660	$261,048	$264,030	12.1%
624	Social assistance	$46,361	$47,683	$50,239	$53,022	$55,867	$60,074	$63,877	$66,863	$69,694	$72,647	56.7%
71	Arts, entertainment & recreation	$84,201	$84,691	$87,884	$88,676	$91,464	$94,691	$96,501	$99,411	$99,364	$103,185	22.5%
711-2	Performing arts, museums & related activities	$38,659	$39,414	$40,169	$40,012	$40,631	$42,951	$43,932	$44,889	$44,719	$47,242	22.2%
713	Amusements, gambling & recreation	$45,547	$45,313	$47,722	$48,664	$50,835	$51,734	$52,558	$54,526	$54,659	$55,892	22.7%
72	Accommodation & food srvcs.	$232,117	$242,495	$251,175	$261,443	$256,161	$258,982	$268,093	$279,119	$284,160	$292,173	25.9%
721	Accommodation	$84,486	$83,775	$87,056	$90,672	$85,363	$86,683	$87,120	$89,659	$91,244	$94,886	12.3%
722	Food services & drinking places	$147,826	$158,716	$164,119	$170,771	$170,768	$172,285	$180,787	$189,214	$192,664	$197,055	33.3%
81	Other srvcs., except government	$227,487	$233,400	$229,656	$229,109	$225,302	$226,057	$230,521	$230,875	$229,537	$228,829	0.6%
92	Government	$1,085,200	$1,100,168	$1,113,472	$1,134,817	$1,146,456	$1,166,232	$1,177,394	$1,179,710	$1,184,398	$1,192,267	9.9%
92a & b	Federal government	$314,171	$310,157	$307,744	$310,885	$306,681	$313,766	$318,280	$318,515	$315,499	$317,206	1.0%
92a	Civilian[3]	$219,583	$217,167	$215,542	$217,540	$212,518	$215,736	$215,319	$214,183	$211,324	$213,641	-2.7%
92b	Military	$94,588	$92,990	$92,202	$93,345	$94,163	$98,030	$102,961	$104,332	$104,175	$103,565	9.5%
92c	State & local	$771,207	$790,114	$805,743	$823,931	$839,726	$852,365	$858,789	$860,809	$868,768	$875,096	13.5%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; 1 - leather and allied products included by 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 (2008).

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Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
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%
11-81	Private industries	87.29%	87.69%	88.10%	88.36%	88.37%	88.33%	88.51%	88.91%	89.24%	89.53%	2.23%
11	Agriculture, forestry, fishing & hunting	1.00%	0.94%	0.93%	1.01%	0.93%	0.97%	1.02%	1.05%	1.07%	1.05%	0.04%
111-2	Crop & animal production (farms)	0.75%	0.68%	0.67%	0.73%	0.67%	0.70%	0.74%	0.78%	0.80%	0.78%	0.03%
113-5	Forestry, fishing & related activities	0.25%	0.25%	0.26%	0.27%	0.27%	0.27%	0.27%	0.27%	0.26%	0.26%	0.01%
21	Mining	1.44%	1.37%	1.35%	1.24%	1.17%	1.08%	1.04%	1.02%	0.96%	0.99%	-0.45%
211	Oil & gas extraction	1.04%	1.01%	0.97%	0.83%	0.79%	0.82%	0.76%	0.72%	0.64%	0.64%	-0.40%
212	Mining, except oil & gas	0.26%	0.27%	0.28%	0.28%	0.26%	0.24%	0.23%	0.23%	0.24%	0.24%	-0.02%
213	Support activities for mining	0.18%	0.13%	0.12%	0.14%	0.12%	0.07%	0.08%	0.09%	0.10%	0.12%	-0.06%
22	Utilities	2.00%	1.90%	1.91%	1.94%	1.83%	1.88%	1.96%	2.01%	1.90%	1.80%	-0.20%
23	Construction	4.72%	4.70%	4.61%	4.47%	4.44%	4.29%	4.10%	3.97%	3.96%	3.61%	-1.11%
31-33	Manufacturing	13.98%	14.28%	14.27%	14.63%	13.69%	13.87%	13.69%	13.97%	13.70%	13.67%	-0.31%
32p & 33	Durable goods	7.56%	8.11%	8.25%	8.88%	8.27%	8.29%	8.31%	8.49%	8.65%	8.90%	1.33%
321	Wood products	0.34%	0.33%	0.32%	0.32%	0.31%	0.30%	0.30%	0.29%	0.28%	0.29%	-0.05%
327	Nonmetallic mineral products	0.51%	0.49%	0.48%	0.47%	0.46%	0.46%	0.44%	0.46%	0.42%	0.39%	-0.12%
331	Primary metals	0.52%	0.51%	0.51%	0.49%	0.44%	0.44%	0.41%	0.46%	0.41%	0.37%	-0.16%
332	Fabricated metal products	1.32%	1.27%	1.22%	1.25%	1.11%	1.05%	1.02%	1.04%	1.03%	1.06%	-0.26%
333	Machinery	1.19%	1.26%	1.12%	1.12%	1.02%	0.93%	0.90%	0.98%	1.03%	1.06%	-0.13%
334	Computer & electronic products	0.77%	1.07%	1.33%	1.90%	1.85%	1.86%	2.10%	2.35%	2.76%	3.26%	2.49%
335	Electrical equipment & appliances	0.54%	0.49%	0.51%	0.52%	0.49%	0.49%	0.49%	0.44%	0.40%	0.37%	-0.16%
336	Transportation equipment	1.93%	2.00%	1.94%	1.87%	1.73%	1.92%	1.88%	1.77%	1.82%	1.94%	0.01%
3361-3	Motor vehicles, bodies, trailers & parts	1.22%	1.24%	1.22%	1.21%	1.06%	1.28%	1.34%	1.19%	1.19%	1.28%	0.06%
3364-9	Other transportation equipment	0.70%	0.76%	0.72%	0.66%	0.66%	0.64%	0.54%	0.58%	0.63%	0.65%	-0.05%
337	Furniture & related products	0.34%	0.34%	0.33%	0.34%	0.30%	0.29%	0.31%	0.29%	0.27%	0.26%	-0.08%
339	Miscellaneous mfg.	0.57%	0.56%	0.55%	0.59%	0.56%	0.56%	0.58%	0.61%	0.61%	0.60%	0.03%
31 & 32p	Nondurable goods[1]	6.54%	6.21%	6.04%	5.75%	5.42%	5.57%	5.39%	5.49%	5.12%	4.91%	-1.63%
311-2	Food products	1.82%	1.70%	1.65%	1.59%	1.59%	1.54%	1.48%	1.41%	1.37%	1.36%	-0.45%
313-4	Textile & textile product mills	0.31%	0.29%	0.27%	0.27%	0.22%	0.21%	0.23%	0.22%	0.20%	0.17%	-0.14%
315	Apparel	0.32%	0.29%	0.26%	0.26%	0.23%	0.21%	0.18%	0.17%	0.16%	0.15%	-0.17%
322	Paper	0.74%	0.67%	0.65%	0.57%	0.50%	0.51%	0.51%	0.51%	0.51%	0.47%	-0.28%
323	Printing & related support activities	0.55%	0.53%	0.52%	0.50%	0.46%	0.44%	0.42%	0.42%	0.41%	0.40%	-0.15%
324	Petroleum & coal products	0.35%	0.41%	0.36%	0.27%	0.24%	0.33%	0.30%	0.38%	0.31%	0.28%	-0.07%
325	Chemical	1.76%	1.66%	1.67%	1.61%	1.56%	1.71%	1.66%	1.73%	1.57%	1.54%	-0.22%
326	Plastics & rubber products	0.70%	0.69%	0.69%	0.68%	0.62%	0.63%	0.62%	0.65%	0.61%	0.57%	-0.14%
42	Wholesale trade	5.88%	6.27%	6.32%	6.07%	6.44%	6.41%	6.39%	6.30%	6.22%	6.14%	0.26%
44-45	Retail trade	6.61%	6.65%	6.74%	6.79%	7.20%	7.25%	7.36%	7.30%	7.52%	7.65%	1.04%
48-49p	Transportation & warehousing[2]	3.09%	3.06%	3.06%	3.09%	2.99%	3.01%	2.99%	3.16%	3.19%	3.26%	0.17%
481	Air transportation	0.55%	0.54%	0.56%	0.59%	0.58%	0.63%	0.66%	0.71%	0.74%	0.73%	0.18%
482	Rail transportation	0.27%	0.27%	0.26%	0.26%	0.25%	0.24%	0.25%	0.25%	0.24%	0.29%	0.02%
483	Water transportation	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.05%	0.06%	0.06%	0.06%	-0.03%
484	Truck transportation	1.02%	1.01%	0.98%	0.95%	0.89%	0.88%	0.87%	0.92%	0.93%	0.92%	-0.10%
485	Transit & ground passenger transportation	0.16%	0.16%	0.16%	0.15%	0.15%	0.15%	0.14%	0.15%	0.14%	0.13%	-0.03%
486	Pipeline transportation	0.08%	0.08%	0.08%	0.09%	0.08%	0.10%	0.09%	0.10%	0.10%	0.10%	0.02%
487-8, 492	Other transportation & support activities	0.69%	0.70%	0.70%	0.72%	0.71%	0.71%	0.69%	0.73%	0.74%	0.75%	0.05%
493	Warehousing & storage	0.24%	0.24%	0.25%	0.26%	0.25%	0.26%	0.26%	0.27%	0.29%	0.30%	0.05%
51	Information	3.96%	4.19%	4.65%	4.70%	4.85%	4.88%	4.90%	5.29%	5.73%	5.95%	1.99%
511	Publishing including software	1.04%	1.12%	1.29%	1.20%	1.18%	1.16%	1.21%	1.29%	1.36%	1.38%	0.34%
512	Motion picture & sound recording industries	0.33%	0.33%	0.34%	0.33%	0.32%	0.36%	0.35%	0.35%	0.34%	0.33%	0.00%
513	Broadcasting & telecommunications	2.26%	2.41%	2.64%	2.78%	2.94%	2.92%	2.88%	3.12%	3.45%	3.60%	1.34%
514	Information & data processing srvcs.	0.33%	0.33%	0.39%	0.39%	0.41%	0.44%	0.45%	0.53%	0.57%	0.64%	0.31%

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
52	Finance & insurance	6.88%	7.05%	7.21%	7.60%	7.86%	7.91%	8.00%	7.81%	8.05%	8.57%	1.69%
521-2	Federal Reserve, credit intermediation, etc.	3.51%	3.40%	3.49%	3.27%	3.52%	3.82%	3.90%	3.77%	3.96%	4.15%	0.64%
523	Securities, commodity contracts, investments	0.82%	1.02%	1.21%	1.72%	1.89%	1.70%	1.74%	1.80%	2.06%	2.46%	1.65%
524	Insurance carriers & related activities	2.57%	2.53%	2.38%	2.44%	2.33%	2.25%	2.20%	2.07%	1.92%	1.95%	-0.61%
525	Funds, trusts & other financial vehicles	0.38%	0.29%	0.22%	0.16%	0.13%	0.12%	0.14%	0.16%	0.18%	0.18%	-0.20%
53	Real estate, rental & leasing	12.59%	12.31%	12.30%	12.21%	12.53%	12.36%	12.27%	12.34%	12.46%	12.49%	-0.10%
531	Real estate	11.54%	11.22%	11.18%	11.10%	11.44%	11.31%	11.27%	11.41%	11.59%	11.65%	0.12%
532-3	Rental & leasing srvcs., leasing intangible assets	1.06%	1.09%	1.12%	1.11%	1.09%	1.05%	1.00%	0.92%	0.86%	0.82%	-0.24%
54	Professional & technical srvcs.	6.29%	6.51%	6.63%	6.92%	6.90%	6.70%	6.80%	7.09%	7.18%	7.38%	1.09%
5411	Legal srvcs.	1.49%	1.44%	1.41%	1.40%	1.40%	1.33%	1.32%	1.32%	1.26%	1.22%	-0.27%
5415	Computer systems design & related srvcs.	0.96%	1.11%	1.20%	1.29%	1.27%	1.28%	1.24%	1.26%	1.28%	1.35%	0.38%
5412-4, 6-9	Other professional, scientific & technical srvcs.	3.85%	3.96%	4.03%	4.24%	4.23%	4.10%	4.23%	4.52%	4.66%	4.86%	1.01%
55	Management of companies & enterprises	2.19%	2.04%	1.97%	1.88%	1.83%	1.86%	1.86%	1.71%	1.67%	1.58%	-0.61%
56	Administrative & waste srvcs.	3.13%	3.12%	3.16%	2.90%	2.79%	2.78%	2.89%	2.82%	2.89%	2.88%	-0.25%
561	Administrative & support srvcs.	2.88%	2.87%	2.90%	2.64%	2.54%	2.54%	2.63%	2.58%	2.64%	2.64%	-0.24%
562	Waste management & remediation srvcs.	0.26%	0.25%	0.26%	0.26%	0.25%	0.25%	0.26%	0.24%	0.25%	0.24%	-0.01%
61	Educational srvcs.	0.85%	0.84%	0.82%	0.81%	0.80%	0.81%	0.82%	0.81%	0.78%	0.77%	-0.08%
62	Health care & social assistance	6.61%	6.36%	6.20%	6.15%	6.31%	6.50%	6.63%	6.63%	6.57%	6.62%	0.00%
621	Ambulatory health care srvcs.	3.34%	3.21%	3.14%	3.16%	3.31%	3.44%	3.51%	3.50%	3.55%	3.65%	0.31%
622-3	Hospitals & nursing & residential care facilities	2.73%	2.62%	2.53%	2.45%	2.44%	2.46%	2.50%	2.50%	2.40%	2.35%	-0.38%
624	Social assistance	0.54%	0.53%	0.53%	0.54%	0.57%	0.60%	0.62%	0.63%	0.64%	0.65%	0.11%
71	Arts, entertainment & recreation	0.98%	0.94%	0.93%	0.91%	0.93%	0.95%	0.94%	0.94%	0.91%	0.92%	-0.06%
711-2	Performing arts, museums & related activities	0.45%	0.44%	0.43%	0.41%	0.41%	0.43%	0.43%	0.42%	0.41%	0.42%	-0.03%
713	Amusements, gambling & recreation	0.53%	0.50%	0.51%	0.50%	0.52%	0.52%	0.51%	0.52%	0.50%	0.50%	-0.03%
72	Accommodation & food srvcs.	2.69%	2.69%	2.67%	2.68%	2.60%	2.59%	2.62%	2.64%	2.61%	2.60%	-0.09%
721	Accommodation	0.98%	0.93%	0.93%	0.93%	0.87%	0.87%	0.85%	0.85%	0.84%	0.84%	-0.14%
722	Food services & drinking places	1.71%	1.76%	1.75%	1.75%	1.74%	1.73%	1.77%	1.79%	1.77%	1.75%	0.04%
81	Other srvcs., except government	2.64%	2.59%	2.44%	2.35%	2.29%	2.26%	2.25%	2.18%	2.11%	2.04%	-0.60%
92	Government	12.59%	12.22%	11.84%	11.64%	11.66%	11.68%	11.51%	11.15%	10.87%	10.61%	-1.98%
92a & b	Federal government	3.64%	3.44%	3.27%	3.19%	3.12%	3.14%	3.11%	3.01%	2.89%	2.82%	-0.82%
92a	Civilian[3]	2.55%	2.41%	2.29%	2.23%	2.16%	2.16%	2.11%	2.02%	1.94%	1.90%	-0.65%
92b	Military	1.10%	1.03%	0.98%	0.96%	0.96%	0.98%	1.01%	0.99%	0.96%	0.92%	-0.18%
92c	State & local	8.95%	8.77%	8.57%	8.45%	8.54%	8.54%	8.40%	8.14%	7.97%	7.79%	-1.16%

Notes: * - components may not sum to totals due to rounding and/or different inflators and deflators used for different industries; P - preliminary; 1 - leather and allied products included by 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
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
11-81	Private industries	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	-0.01
11	Agriculture, forestry, fishing & hunting	0.59	0.53	0.41	0.49	0.47	0.42	0.46	0.50	0.51	0.60	0.01
111-2	Crop & animal production (farms)	0.71	0.63	0.46	0.55	0.54	0.48	0.53	0.57	0.58	0.70	-0.01
113-5	Forestry, fishing & related activities	0.23	0.24	0.28	0.30	0.29	0.27	0.28	0.29	0.29	0.29	0.06
21	Mining	0.24	0.29	0.30	0.32	0.31	0.34	0.32	0.31	0.30	0.29	0.04
211	Oil & gas extraction	0.15	0.19	0.18	0.16	0.17	0.24	0.20	0.20	0.19	0.19	0.04
212	Mining, except oil & gas	0.71	0.79	0.78	0.90	0.81	0.72	0.75	0.74	0.68	0.64	-0.07
213	Support activities for mining	0.17	0.15	0.16	0.14	0.13	0.16	0.16	0.16	0.14	0.13	-0.04
22	Utilities	1.04	1.05	1.05	1.04	1.11	1.05	0.99	0.97	0.99	1.03	-0.01
23	Construction	0.95	0.94	0.95	0.94	0.90	0.88	0.87	0.86	0.84	0.82	-0.13
31-33	Manufacturing	1.64	1.64	1.58	1.54	1.52	1.56	1.53	1.54	1.54	1.52	-0.13
32p & 33	Durable goods	2.05	2.00	1.88	1.82	1.73	1.76	1.72	1.73	1.72	1.66	-0.39
321	Wood products	0.87	0.94	0.89	0.98	0.94	1.01	0.76	0.95	0.86	0.87	0.01
327	Nonmetallic mineral products	2.18	1.99	1.96	2.00	1.87	1.97	1.91	1.69	1.55	1.54	-0.64
331	Primary metals	4.39	4.20	3.81	3.63	3.32	2.92	2.76	2.89	3.39	3.10	-1.29
332	Fabricated metal products	2.11	2.14	2.21	2.24	2.18	2.23	2.35	2.33	2.32	2.43	0.32
333	Machinery	1.71	1.73	1.65	1.57	1.62	1.56	1.64	1.64	1.74	1.64	-0.07
334	Computer & electronic products	0.40	0.52	0.50	0.43	0.44	0.35	0.32	0.37	0.44	0.41	0.01
335	Electrical equipment & appliances	2.09	1.95	2.16	2.30	2.31	2.40	2.88	2.67	2.74	2.31	0.22
336	Transportation equipment	2.56	2.76	2.67	2.98	2.81	2.89	2.79	3.06	2.98	3.08	0.53
3361-3	Motor vehicles, bodies, trailers & parts	3.40	3.77	3.50	3.72	3.61	3.65	3.34	3.84	3.79	3.87	0.47
3364-9	Other transportation equipment	1.09	1.12	1.26	1.61	1.51	1.39	1.43	1.47	1.44	1.54	0.45
337	Furniture & related products	1.12	1.13	1.17	1.16	1.22	1.30	1.31	1.27	1.32	1.24	0.12
339	Miscellaneous mfg.	1.03	0.96	0.92	0.91	0.87	0.91	0.81	0.84	0.81	0.83	-0.21
31 & 32p	Nondurable goods[1]	1.14	1.15	1.16	1.12	1.19	1.25	1.23	1.24	1.22	1.22	0.07
311-2	Food products	1.20	1.16	1.11	1.06	1.17	1.22	1.14	1.20	1.13	1.19	-0.01
313-4	Textile & textile product mills	0.32	0.36	0.42	0.45	0.50	0.47	0.47	0.44	0.45	0.47	0.14
315	Apparel	0.31	0.24	0.15	0.18	0.26	0.27	0.35	0.35	0.42	0.40	0.09
322	Paper	1.10	1.04	1.04	1.02	1.13	1.17	1.09	1.12	1.13	1.17	0.08
323	Printing & related support activities	1.26	1.25	1.25	1.22	1.26	1.37	1.46	1.49	1.53	1.53	0.27
324	Petroleum & coal products	0.65	0.82	0.70	1.02	0.89	0.84	0.67	0.64	0.74	0.81	0.16
325	Chemical	1.11	1.12	1.19	1.05	1.11	1.19	1.21	1.18	1.09	1.02	-0.09
326	Plastics & rubber products	2.06	2.13	2.17	2.12	2.12	2.30	2.30	2.25	2.32	2.28	0.22
42	Wholesale trade	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.02	1.04	1.04	0.03
44-45	Retail trade	1.01	1.02	1.03	1.05	1.06	1.04	1.05	1.04	1.03	1.00	-0.01
48-49p	Transportation & warehousing[2]	0.95	0.96	0.98	0.98	0.98	0.96	0.95	0.97	1.02	1.09	0.14
481	Air transportation	0.48	0.50	0.54	0.55	0.47	0.52	0.51	0.57	0.64	0.77	0.28
482	Rail transportation	1.11	1.09	1.10	1.03	1.06	1.08	1.07	1.21	1.28	1.31	0.20
483	Water transportation	0.78	0.83	0.79	0.83	0.75	0.69	0.60	0.42	0.41	0.36	-0.41
484	Truck transportation	1.25	1.25	1.28	1.30	1.32	1.35	1.34	1.36	1.40	1.42	0.17
485	Transit & ground passenger transportation	0.41	0.38	0.38	0.42	0.41	0.43	0.43	0.44	0.44	0.45	0.04
486	Pipeline transportation	0.26	0.30	0.42	0.35	0.35	0.36	0.43	0.37	0.45	0.45	0.19
487-8, 492	Other transportation & support activities	0.98	1.01	1.04	1.08	1.10	1.00	0.97	0.95	0.98	1.08	0.10
493	Warehousing & storage	1.06	1.09	1.09	1.11	1.09	1.08	1.17	1.25	1.38	1.53	0.47
51	Information	0.66	0.63	0.61	0.58	0.60	0.60	0.61	0.61	0.61	0.61	-0.05
511	Publishing including software	0.79	0.74	0.70	0.66	0.71	0.77	0.81	0.85	0.85	0.84	0.05
512	Motion picture & sound recording industries	0.17	0.16	0.19	0.19	0.18	0.15	0.15	0.14	0.14	0.14	-0.03
513	Broadcasting & telecommunications	0.64	0.64	0.62	0.61	0.60	0.59	0.59	0.58	0.58	0.58	-0.06
514	Information & data processing srvcs.	0.80	0.66	0.66	0.53	0.65	0.60	0.60	0.52	0.49	0.48	-0.32

Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 1997-2006 (based on chained 2000 dollars)

1997 NAICS Codes	Sector & Major Industry Titles	Gross Domestic Product 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006[p]	Difference 1997-2006
52	Finance & insurance	0.97	0.94	0.96	0.93	0.90	0.90	0.96	0.99	0.98	0.97	0.00
521-2	Federal Reserve, credit intermediation, etc.	1.02	1.00	1.05	1.04	1.03	1.01	1.16	1.24	1.27	1.24	0.22
523	Securities, commodity contracts, investments	0.40	0.40	0.43	0.42	0.39	0.41	0.40	0.38	0.37	0.35	-0.04
524	Insurance carriers & related activities	1.10	1.12	1.14	1.19	1.14	1.11	1.10	1.12	1.10	1.15	0.05
525	Funds, trusts & other financial vehicles	0.26	0.18	0.21	0.26	0.27	0.22	0.20	0.17	0.19	0.24	-0.02
53	Real estate, rental & leasing	0.81	0.82	0.85	0.88	0.89	0.88	0.86	0.86	0.83	0.82	0.01
531	Real estate	0.81	0.82	0.85	0.88	0.90	0.89	0.87	0.86	0.83	0.82	0.01
532-3	Rental & leasing srvcs., leasing intangible assets	0.80	0.80	0.84	0.87	0.86	0.86	0.82	0.82	0.83	0.82	0.02
54	Professional & technical srvcs.	0.77	0.77	0.77	0.74	0.77	0.77	0.77	0.76	0.77	0.78	0.01
5411	Legal srvcs.	0.73	0.73	0.74	0.74	0.75	0.77	0.75	0.74	0.73	0.73	0.00
5415	Computer systems design & related srvcs.	0.71	0.75	0.77	0.68	0.77	0.79	0.82	0.83	0.84	0.88	0.17
5412-4, 6-9	Other professional, scientific & technical srvcs.	0.80	0.79	0.79	0.77	0.78	0.76	0.76	0.75	0.76	0.77	-0.03
55	Management of companies & enterprises	1.18	1.17	1.23	1.21	1.24	1.45	1.56	1.48	1.61	1.64	0.47
56	Administrative & waste srvcs.	0.97	0.97	0.95	0.94	0.93	0.93	0.95	0.97	0.96	0.97	0.00
561	Administrative & support srvcs.	0.96	0.95	0.94	0.92	0.91	0.91	0.93	0.95	0.95	0.96	0.00
562	Waste management & remediation srvcs.	1.09	1.14	1.07	1.08	1.10	1.07	1.14	1.12	1.11	1.09	0.01
61	Educational srvcs.	0.79	0.78	0.77	0.82	0.81	0.78	0.78	0.79	0.81	0.84	0.05
62	Health care & social assistance	1.07	1.07	1.10	1.12	1.14	1.11	1.11	1.12	1.14	1.16	0.09
621	Ambulatory health care srvcs.	0.96	0.98	1.00	1.04	1.06	1.03	1.04	1.04	1.06	1.07	0.11
622-3	Hospitals & nursing & residential care facilities	1.24	1.23	1.26	1.29	1.31	1.28	1.29	1.30	1.32	1.36	0.12
624	Social assistance	0.82	0.84	0.87	0.87	0.90	0.88	0.86	0.86	0.88	0.92	0.09
71	Arts, entertainment & recreation	0.70	0.70	0.76	0.78	0.80	0.78	0.77	0.75	0.75	0.76	0.06
711-2	Performing arts, museums & related activities	0.65	0.64	0.75	0.76	0.83	0.79	0.77	0.74	0.76	0.78	0.13
713	Amusements, gambling & recreation	0.75	0.76	0.77	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.00
72	Accommodation & food srvcs.	0.82	0.83	0.81	0.82	0.84	0.82	0.82	0.82	0.82	0.81	0.00
721	Accommodation	0.42	0.41	0.40	0.39	0.39	0.40	0.39	0.39	0.38	0.39	-0.03
722	Food services & drinking places	1.05	1.05	1.02	1.05	1.06	1.03	1.03	1.03	1.03	1.02	-0.03
81	Other srvcs., except government	0.96	0.97	0.99	1.02	1.03	1.01	1.02	1.02	1.00	1.01	0.05
92	Government	0.87	0.87	0.88	0.91	0.93	0.91	0.91	0.90	0.91	0.93	0.06
92a & b	Federal government	0.62	0.62	0.62	0.65	0.65	0.65	0.65	0.65	0.66	0.67	0.04
92a	Civilian[3]	0.74	0.74	0.74	0.78	0.79	0.77	0.77	0.76	0.78	0.79	0.05
92b	Military	0.34	0.33	0.34	0.35	0.35	0.38	0.41	0.42	0.42	0.40	0.06
92c	State & local	0.97	0.97	0.98	1.00	1.02	1.01	1.00	1.00	1.01	1.02	0.05

Notes: P - preliminary; 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 (2008).

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Table A12: Ohio's Gross Domestic Product by Industry - Sorted by 2006 Concentration Ratio

1997 NAICS Codes	Industry Titles	Concentration Ratio 2006*	GDP 2006^	Percent Change 1997-2006*
11-92	All Industries	1.00	$451,600	10.9%
3361-3	Motor vehicles, bodies, trailers & parts mfg.	**3.87**	**$12,969**	**32.4%**
331	Primary metals mfg.	**3.10**	**$6,789**	**-45.3%**
336	Transportation equipment mfg.	**3.08**	**$14,605**	**34.5%**
332	Fabricated metal products mfg.	**2.43**	**$11,012**	**2.8%**
335	Electrical equipment & appliances mfg.	**2.31**	**$3,593**	**-15.0%**
326	Plastics & rubber products mfg.	**2.28**	**$5,643**	**-1.4%**
32p & 33	Durable goods mfg. subtotal	**1.66**	**$55,553**	**5.6%**
333	Machinery mfg.	**1.64**	**$7,003**	**-4.6%**
55	Management of companies & enterprises	**1.64**	**$13,755**	**11.6%**
327	Nonmetallic mineral products mfg.	**1.54**	**$2,919**	**-39.4%**
3364-9	Other transportation equipment mfg.	**1.54**	**$4,809**	**45.7%**
323	Printing & related support activities	**1.53**	**$2,444**	**-2.4%**
493	Warehousing & storage	**1.53**	**$1,962**	**95.8%**
31-33	Manufacturing subtotal	**1.52**	**$82,878**	**0.0%**
484	Truck transportation	**1.42**	**$6,119**	**13.8%**
622-3	Hospitals & nursing & residential care facilities	**1.36**	**$16,883**	**4.3%**
482	Rail transportation	**1.31**	**$1,703**	**40.7%**
337	Furniture & related products mfg.	**1.24**	**$1,351**	**-7.0%**
521-2	Federal Reserve, credit intermediation, & related srvcs.	**1.24**	**$24,470**	**59.6%**
31 & 32p	Nondurable goods mfg. subtotal[1]	**1.22**	**$27,325**	**-11.3%**
311-2	Food products mfg.	**1.19**	**$6,617**	**-17.3%**
322	Paper mfg.	**1.17**	**$2,130**	**-25.3%**
62	Health care & social assistance	**1.16**	**$36,618**	**20.6%**
524	Insurance carriers & related activities	**1.15**	**$11,165**	**-11.9%**
562	Waste management & remediation srvcs.	**1.09**	**$1,295**	**5.9%**
48-49p	Transportation & warehousing[2]	**1.09**	**$15,319**	**34.4%**
487-8, 492	Other transportation & support activities	**1.08**	**$3,621**	**31.2%**
621	Ambulatory health care srvcs.	**1.07**	**$17,246**	**34.9%**
42	Wholesale trade	**1.04**	**$27,521**	**19.3%**
22	Utilities	**1.03**	**$9,783**	**-0.9%**
92c	State & local government	**1.02**	**$39,713**	**1.8%**
722	Food services & drinking places	**1.02**	**$8,510**	**10.5%**
325	Chemical mfg.	**1.02**	**$7,527**	**-11.1%**
81	Other srvcs., except government	**1.01**	**$10,553**	**-9.7%**
11-81	Private sector summary	**1.01**	**$401,890**	**12.4%**
44-45	Retail trade	1.00	$29,345	27.4%
56	Administrative & waste srvcs.	0.97	$13,178	1.8%
52	Finance & insurance	0.97	$38,501	37.9%
561	Administrative & support srvcs.	0.96	$11,883	1.3%
92	Government sector summary	0.93	$49,710	-0.2%
624	Social assistance	0.92	$2,489	48.5%
5415	Computer systems design & related srvcs.	0.88	$4,459	91.5%
321	Wood products mfg.	0.87	$1,133	-3.8%
61	Educational srvcs.	0.84	$3,533	6.9%
511	Publishing including software	0.84	$4,382	56.3%
339	Miscellaneous mfg.	0.83	$1,989	-6.4%
531	Real estate	0.82	$44,365	13.7%
53	Real estate, rental & leasing	0.82	$47,360	11.7%
23	Construction	0.82	$17,845	-27.1%
532-3	Rental & leasing srvcs., leasing intangible assets	0.82	$2,995	-11.9%
72	Accommodation & food srvcs.	0.81	$10,032	6.5%
324	Petroleum & coal products mfg.	0.81	$2,418	11.6%
92a	Federal government - civilian[3]	0.79	$7,861	-11.4%
711-2	Performing arts, museums & related activities	0.78	$1,636	25.1%
54	Professional & technical srvcs.	0.78	$24,914	31.8%
481	Air transportation	0.77	$1,331	134.7%
5412-4, 6-9	Other professional, scientific & technical srvcs.	0.77	$15,719	34.8%
71	Arts, entertainment & recreation	0.76	$3,326	13.0%
713	Amusements, gambling & recreation	0.74	$1,690	4.0%
5411	Legal srvcs.	0.73	$4,736	-9.2%
111-2	Crop & animal production (farms)	0.70	$2,302	14.0%
92a & b	Federal government subtotal	0.67	$13,512	-7.9%
212	Mining, except oil & gas	0.64	$967	-7.6%
51	Information	0.61	$12,545	54.8%
11	Agriculture, forestry, fishing & hunting	0.60	$2,603	16.5%
513	Broadcasting & telecommunications	0.58	$6,813	60.5%
514	Information & data processing srvcs.	0.48	$1,141	29.2%
313-4	Textile & textile product mills mfg.	0.47	$317	-13.2%
485	Transit & ground passenger transportation	0.45	$283	0.9%
486	Pipeline transportation	0.45	$175	145.8%
334	Computer & electronic products mfg.	0.41	$1,985	386.9%
315	Apparel mfg.	0.40	$230	-32.0%
92b	Federal government - military	0.40	$2,136	10.2%
721	Accommodation	0.39	$1,523	-11.5%
483	Water transportation	0.36	$126	-64.3%
523	Securities, commodity contracts, investments	0.35	$2,659	198.1%
113-5	Forestry, fishing & related activities	0.29	$301	45.6%
21	Mining	0.29	$2,282	-10.9%
525	Funds, trusts & other financial vehicles	0.24	$208	-52.4%
211	Oil & gas extraction	0.19	$1,052	-15.6%
512	Motion picture & sound recording industries	0.14	$209	-8.5%
213	Support activities for mining	0.13	$262	-45.3%

Notes: ^ - based on current dollars; * - based on chained dollars standardized on 2000; 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A13: Ohio's Gross Domestic Product by Industry - Sorted by Percentage Change, 1997-2006

1997 NAICS Codes	Industry Titles	Percent Change 1997-2006*	GDP 2006^	Concentra-tion Ratio 2006*	1997 NAICS Codes	Industry Titles	Percent Change 1997-2006*	GDP 2006^	Concentra-tion Ratio 2006*
11-92	All Industries	10.9%	$451,600	1.00	562	Waste management & remediation srvcs.	**5.9%**	**$1,295**	**1.09**
					32p & 33	Durable goods mfg. subtotal	**5.6%**	**$55,553**	**1.66**
334	Computer & electronic products mfg.	386.9%	$1,985	0.41	622-3	Hospitals & nursing & residential care facilities	**4.3%**	**$16,883**	**1.36**
523	Securities, commodity contracts, investments	198.1%	$2,659	0.35	713	Amusements, gambling & recreation	4.0%	$1,690	0.74
486	Pipeline transportation	145.8%	$175	0.45	332	Fabricated metal products mfg.	**2.8%**	**$11,012**	**2.43**
481	Air transportation	134.7%	$1,331	0.77	92c	State & local government	**1.8%**	**$39,713**	**1.02**
493	Warehousing & storage	**95.8%**	**$1,962**	**1.53**	56	Administrative & waste srvcs.	1.8%	$13,178	0.97
5415	Computer systems design & related srvcs.	91.5%	$4,459	0.88	561	Administrative & support srvcs.	1.3%	$11,883	0.96
513	Broadcasting & telecommunications	60.5%	$6,813	0.58	485	Transit & ground passenger transportation	0.9%	$283	0.45
521-2	Federal Reserve, credit intermediation, & related srvcs.	**59.6%**	**$24,470**	**1.24**	31-33	Manufacturing subtotal	**0.0%**	**$82,878**	**1.52**
511	Publishing including software	56.3%	$4,382	0.84	92	Government sector summary	-0.2%	$49,710	0.93
51	Information	54.8%	$12,545	0.61	22	Utilities	**-0.9%**	**$9,783**	**1.03**
624	Social assistance	48.5%	$2,489	0.92	326	Plastics & rubber products mfg.	**-1.4%**	**$5,643**	**2.28**
3364-9	Other transportation equipment mfg.	**45.7%**	**$4,809**	**1.54**	323	Printing & related support activities	**-2.4%**	**$2,444**	**1.53**
113-5	Forestry, fishing & related activities	45.6%	$301	0.29	321	Wood products mfg.	-3.8%	$1,133	0.87
482	Rail transportation	**40.7%**	**$1,703**	**1.31**	333	Machinery mfg.	**-4.6%**	**$7,003**	**1.64**
52	Finance & insurance	37.9%	$38,501	0.97	339	Miscellaneous mfg.	-6.4%	$1,989	0.83
621	Ambulatory health care srvcs.	**34.9%**	**$17,246**	**1.07**	337	Furniture & related products mfg.	**-7.0%**	**$1,351**	**1.24**
5412-4, 6-9	Other professional, scientific & technical srvcs.	34.8%	$15,719	0.77	212	Mining, except oil & gas	-7.6%	$967	0.64
336	Transportation equipment mfg.	**34.5%**	**$28,288**	**3.08**	92a & b	Federal government subtotal	-7.9%	$4,945	0.67
48-49p	Transportation & warehousing[2]	**34.4%**	**$15,319**	**1.09**	512	Motion picture & sound recording industries	-8.5%	$209	0.14
3361-3	Motor vehicles, bodies, trailers & parts mfg.	**32.4%**	**$12,969**	**3.87**	5411	Legal srvcs.	-9.2%	$4,736	0.73
54	Professional & technical srvcs.	31.8%	$24,914	0.78	81	Other srvcs., except government	**-9.7%**	**$10,553**	**1.01**
487-8, 492	Other transportation & support activities	**31.2%**	**$3,621**	**1.08**	21	Mining	-10.9%	$2,282	0.29
514	Information & data processing srvcs.	29.2%	$1,141	0.48	325	Chemical mfg.	**-11.1%**	**$7,527**	**1.02**
44-45	Retail trade	27.4%	$29,345	1.00	31 & 32p	Nondurable goods mfg. subtotal[1]	**-11.3%**	**$27,325**	**1.22**
711-2	Performing arts, museums & related activities	25.1%	$1,636	0.78	92a	Federal government - civilian[3]	-11.4%	$7,861	0.79
62	Health care & social assistance	**20.6%**	**$36,618**	**1.16**	721	Accommodation	-11.5%	$1,523	0.39
42	Wholesale trade	**19.3%**	**$27,521**	**1.04**	524	Insurance carriers & related activities	**-11.9%**	**$11,165**	**1.15**
11	Agriculture, forestry, fishing & hunting	16.5%	$2,603	0.60	532-3	Rental & leasing srvcs., leasing intangible assets	-11.9%	$2,995	0.82
111-2	Crop & animal production (farms)	14.0%	$2,302	0.70	313-4	Textile & textile product mills mfg.	-13.2%	$317	0.47
484	Truck transportation	**13.8%**	**$6,119**	**1.42**	335	Electrical equipment & appliances mfg.	**-15.0%**	**$3,593**	**2.31**
531	Real estate	13.7%	$44,365	0.82	211	Oil & gas extraction	-15.6%	$1,052	0.19
71	Arts, entertainment & recreation	13.0%	$3,326	0.76	311-2	Food products mfg.	**-17.3%**	**$6,617**	**1.19**
11-81	Private sector summary	**12.4%**	**$401,890**	**1.01**	322	Paper mfg.	**-25.3%**	**$2,130**	**1.17**
53	Real estate, rental & leasing	11.7%	$47,360	0.82	23	Construction	-27.1%	$17,845	0.82
55	Management of companies & enterprises	**11.6%**	**$13,755**	**1.64**	315	Apparel mfg.	-32.0%	$230	0.40
324	Petroleum & coal products mfg.	11.6%	$2,418	0.81	327	Nonmetallic mineral products mfg.	**-39.4%**	**$2,919**	**1.54**
722	Food services & drinking places	**10.5%**	**$8,510**	**1.02**	213	Support activities for mining	-45.3%	$262	0.13
92b	Federal government - military	10.2%	$2,136	0.40	331	Primary metals mfg.	**-45.3%**	**$6,789**	**3.10**
61	Educational srvcs.	6.9%	$3,533	0.84	525	Funds, trusts & other financial vehicles	-52.4%	$208	0.24
72	Accommodation & food srvcs.	6.5%	$10,032	0.81	483	Water transportation	-64.3%	$126	0.36

Notes: ^ - based on current dollars; * - based on chained dollars standardized on 2000; 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 (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A14: Ohio's Gross Domestic Product by Industry - Sorted by Size in 2006

1997 NAICS Codes	Industry Titles	GDP 2006^	Percent Change 1997-2006*	Concentra-tion Ratio 2006*	1997 NAICS Codes	Industry Titles	GDP 2006^	Percent Change 1997-2006*	Concentra-tion Ratio 2006*
11-92	All Industries	$451,600	10.9%	1.00	3364-9	Other transportation equipment mfg.	**$4,809**	**45.7%**	**1.54**
					5411	Legal srvcs.	$4,736	-9.2%	0.73
11-81	Private sector summary	**$401,890**	**12.4%**	**1.01**	5415	Computer systems design & related srvcs.	$4,459	91.5%	0.88
31-33	Manufacturing subtotal	**$82,878**	**0.0%**	**1.52**	511	Publishing including software	$4,382	56.3%	0.84
32p & 33	Durable goods mfg. subtotal	**$55,553**	**5.6%**	**1.66**	487-8, 492	Other transportation & support activities	**$3,621**	**31.2%**	**1.08**
92	Government sector summary	$49,710	-0.2%	0.93	335	Electrical equipment & appliances mfg.	**$3,593**	**-15.0%**	**2.31**
53	Real estate, rental & leasing	$47,360	11.7%	0.82	61	Educational srvcs.	$3,533	6.9%	0.84
531	Real estate	$44,365	13.7%	0.82	71	Arts, entertainment & recreation	$3,326	13.0%	0.76
92c	State & local government	**$39,713**	**1.8%**	**1.02**	532-3	Rental & leasing srvcs., leasing intangible assets	$2,995	-11.9%	0.82
52	Finance & insurance	$38,501	37.9%	0.97	327	Nonmetallic mineral products mfg.	**$2,919**	**-39.4%**	**1.54**
62	Health care & social assistance	**$36,618**	**20.6%**	**1.16**	523	Securities, commodity contracts, investments	$2,659	198.1%	0.35
44-45	Retail trade	$29,345	27.4%	1.00	11	Agriculture, forestry, fishing & hunting	$2,603	16.5%	0.60
336	Transportation equipment mfg.	**$54,846**	**34.5%**	**3.08**	624	Social assistance	$2,489	48.5%	0.92
42	Wholesale trade	**$27,521**	**19.3%**	**1.04**	323	Printing & related support activities	**$2,444**	**-2.4%**	**1.53**
31 & 32p	Nondurable goods mfg. subtotal[1]	**$27,325**	**-11.3%**	**1.22**	324	Petroleum & coal products mfg.	$2,418	11.6%	0.81
54	Professional & technical srvcs.	$24,914	31.8%	0.78	111-2	Crop & animal production (farms)	$2,302	14.0%	0.70
521-2	Federal Reserve, credit intermediation, & related srvcs.	**$24,470**	**59.6%**	**1.24**	21	Mining	$2,282	-10.9%	0.29
23	Construction	$17,845	-27.1%	0.82	92b	Federal government - military	$2,136	10.2%	0.40
621	Ambulatory health care srvcs.	**$17,246**	**34.9%**	**1.07**	322	Paper mfg.	**$2,130**	**-25.3%**	**1.17**
622-3	Hospitals & nursing & residential care facilities	**$16,883**	**4.3%**	**1.36**	339	Miscellaneous mfg.	$1,989	-6.4%	0.83
5412-4, 6-9	Other professional, scientific & technical srvcs.	$15,719	34.8%	0.77	334	Computer & electronic products mfg.	$1,985	386.9%	0.41
48-49p	Transportation & warehousing[2]	**$15,319**	**34.4%**	**1.09**	493	Warehousing & storage	**$1,962**	**95.8%**	**1.53**
55	Management of companies & enterprises	**$13,755**	**11.6%**	**1.64**	482	Rail transportation	**$1,703**	**40.7%**	**1.31**
56	Administrative & waste srvcs.	$13,178	1.8%	0.97	713	Amusements, gambling & recreation	$1,690	4.0%	0.74
3361-3	Motor vehicles, bodies, trailers & parts mfg.	**$12,969**	**32.4%**	**3.87**	711-2	Performing arts, museums & related activities	$1,636	25.1%	0.78
51	Information	$12,545	54.8%	0.61	721	Accommodation	$1,523	-11.5%	0.39
561	Administrative & support srvcs.	$11,883	1.3%	0.96	337	Furniture & related products mfg.	**$1,351**	**-7.0%**	**1.24**
524	Insurance carriers & related activities	**$11,165**	**-11.9%**	**1.15**	481	Air transportation	$1,331	134.7%	0.77
332	Fabricated metal products mfg.	**$11,012**	**2.8%**	**2.43**	562	Waste management & remediation srvcs.	**$1,295**	**5.9%**	**1.09**
81	Other srvcs., except government	**$10,553**	**-9.7%**	**1.01**	514	Information & data processing srvcs.	$1,141	29.2%	0.48
72	Accommodation & food srvcs.	$10,032	6.5%	0.81	321	Wood products mfg.	$1,133	-3.8%	0.87
22	Utilities	**$9,783**	**-0.9%**	**1.03**	211	Oil & gas extraction	$1,052	-15.6%	0.19
722	Food services & drinking places	**$8,510**	**10.5%**	**1.02**	212	Mining, except oil & gas	$967	-7.6%	0.64
92a	Federal government - civilian[3]	$7,861	-11.4%	0.79	313-4	Textile & textile product mills mfg.	$317	-13.2%	0.47
325	Chemical mfg.	**$7,527**	**-11.1%**	**1.02**	113-5	Forestry, fishing & related activities	$301	45.6%	0.29
333	Machinery mfg.	**$7,003**	**-4.6%**	**1.64**	485	Transit & ground passenger transportation	$283	0.9%	0.45
513	Broadcasting & telecommunications	$6,813	60.5%	0.58	213	Support activities for mining	$262	-45.3%	0.13
331	Primary metals mfg.	**$6,789**	**-45.3%**	**3.10**	315	Apparel mfg.	$230	-32.0%	0.40
311-2	Food products mfg.	**$6,617**	**-17.3%**	**1.19**	512	Motion picture & sound recording industries	$209	-8.5%	0.14
484	Truck transportation	**$6,119**	**13.8%**	**1.42**	525	Funds, trusts & other financial vehicles	$208	-52.4%	0.24
326	Plastics & rubber products mfg.	**$5,643**	**-1.4%**	**2.28**	486	Pipeline transportation	$175	145.8%	0.45
92a & b	Federal government subtotal	$0	-7.9%	0.67	483	Water transportation	$126	-64.3%	0.36

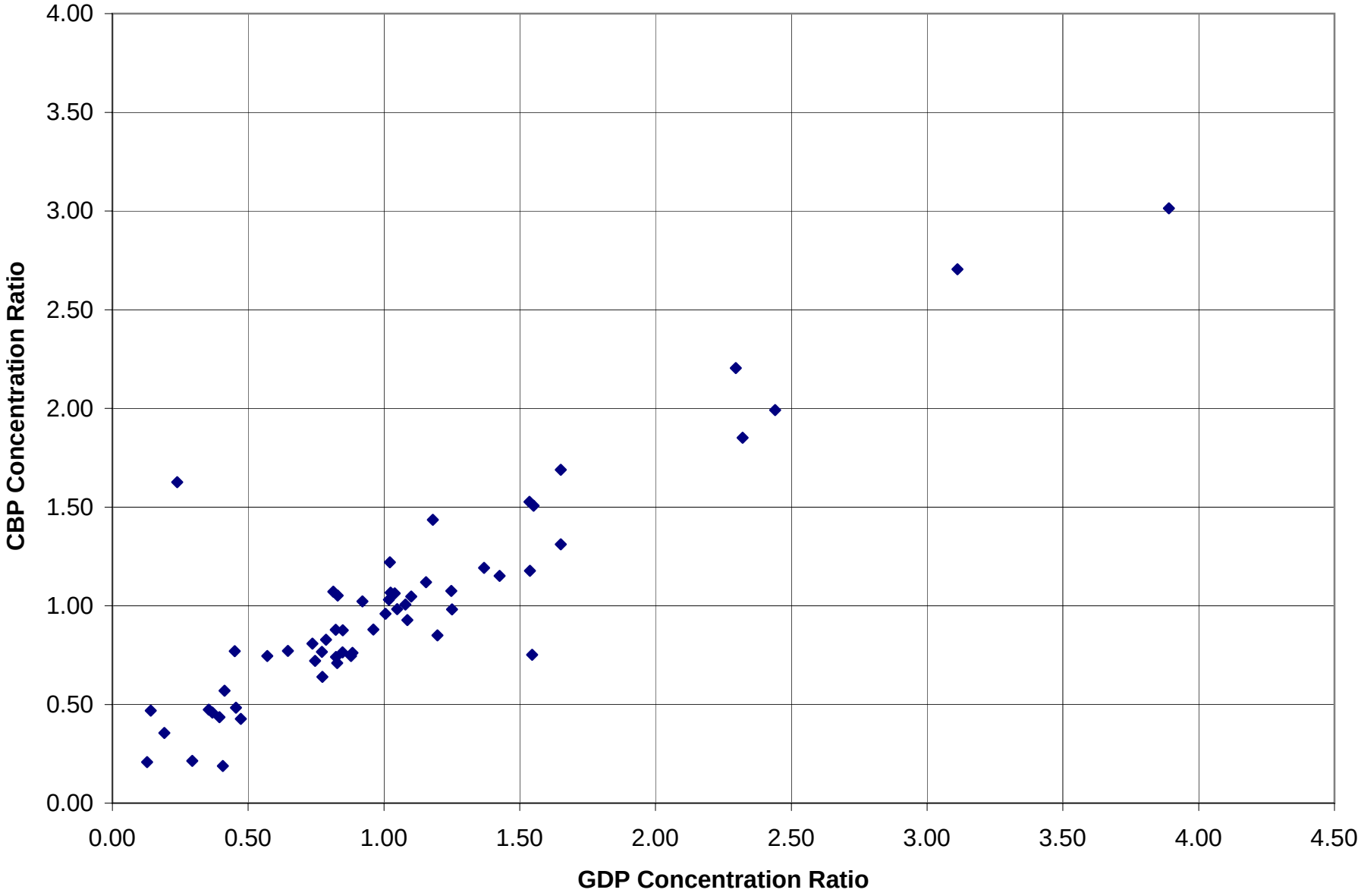
Notes: ^ - based on current dollars; * - based on chained dollars standardized on 2000; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

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

Source: U.S. Bureau Economic Analysis (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

The Association of GDP and CBP Concentration Ratios in Ohio, 2006



Sources: U.S. Census Bureau, BEA

Table A15: Ohio::U.S. GDP and CBP Concentration Ratios
(GDP in millions of current dollars, except concentration ratio)

		GDP, 2006			CBP Employment, 2006		
		(current, in millions)		Ohio::U.S.			Ohio::U.S.
2002 NAICS Codes	Industry Titles	Ohio	U.S.	Concentra-tion Ratio	Ohio	U.S.	Concentra-tion Ratio
11-92	All Industries*	$451,600	$13,119,938	1.00	n.a.	n.a.	
11-81	Private industries^	$397,885	$11,422,870	1.01	4,825,510	119,917,165	1.00
113-5	Forestry, fishing & related activities	$301	$29,720	0.29	1,426	165,661	0.21
211	Oil & gas extraction	$1,052	$159,440	0.19	1,326	92,683	0.36
212	Mining, except oil & gas	$967	$43,492	0.65	6,377	205,349	0.77
213	Support activities for mining	$262	$59,452	0.13	2,150	256,301	0.21
22	Utilities	$9,783	$273,397	1.04	26,266	614,427	1.06
23	Construction	$17,845	$630,031	0.82	218,662	7,338,799	0.74
321	Wood products mfg.	$1,133	$37,448	0.88	17,292	576,506	0.75
327	Nonmetallic mineral products mfg.	$2,919	$54,690	1.55	29,260	482,459	1.51
331	Primary metals mfg.	$6,789	$63,390	3.11	48,966	449,914	2.70
332	Fabricated metal products mfg.	$11,012	$131,083	2.44	125,282	1,563,713	1.99
333	Machinery mfg.	$7,003	$123,204	1.65	76,555	1,126,671	1.69
334	Computer & electronic products mfg.	$1,985	$139,708	0.41	24,246	1,057,485	0.57
335	Electrical equipment & appliances mfg.	$3,593	$44,986	2.32	31,270	419,691	1.85
3361-3	Motor vehicles, bodies, trailers & parts mfg.	$12,969	$96,859	3.89	122,222	1,007,939	3.01
3364-9	Other transportation equipment mfg.	$4,809	$90,404	1.55	18,595	614,588	0.75
337	Furniture & related products mfg.	$1,351	$31,385	1.25	21,445	543,259	0.98
339	Miscellaneous mfg.	$1,989	$69,690	0.83	29,025	686,096	1.05
311-2	Food products mfg.	$6,617	$160,660	1.20	55,197	1,613,831	0.85
313-4	Textile & textile product mills mfg.	$317	$19,457	0.47	5,900	343,352	0.43
315	Apparel mfg.	$230	$16,413	0.41	1,636	216,238	0.19
322	Paper mfg.	$2,130	$52,460	1.18	25,505	441,430	1.44
323	Printing & related support activities mfg.	$2,444	$46,188	1.54	30,371	641,011	1.18
324	Petroleum & coal products mfg.	$2,418	$86,341	0.81	4,442	102,997	1.07
325	Chemical mfg.	$7,527	$213,956	1.02	39,530	805,064	1.22
326	Plastics & rubber products mfg.	$5,643	$71,404	2.30	79,904	900,842	2.20
42	Wholesale trade	$27,521	$762,206	1.05	238,386	6,030,647	0.98
44-45	Retail trade	$29,345	$847,985	1.01	608,800	15,767,866	0.96
481	Air transportation	$1,331	$49,985	0.77	12,218	474,774	0.64
483	Water transportation	$126	$9,936	0.37	1,265	68,438	0.46
484	Truck transportation	$6,119	$124,702	1.43	70,963	1,532,313	1.15
485	Transit & ground passenger transportation	$283	$18,056	0.46	8,140	418,718	0.48
486	Pipeline transportation	$175	$11,285	0.45	1,215	39,196	0.77
487-8, 492	Other transportation & support activities	$3,621	$96,863	1.09	43,971	1,177,641	0.93
493	Warehousing & storage	$1,962	$37,123	1.54	36,555	595,325	1.53
511	Publishing including software	$4,382	$150,282	0.85	31,950	1,039,739	0.76

Table A15: Ohio::U.S. GDP and CBP Concentration Ratios
(GDP in millions of current dollars, except concentration ratio)

		GDP, 2006			CBP Employment, 2005		
		(current, in millions)		Ohio::U.S.			Ohio::U.S.
2002 NAICS Codes	Industry Titles	Ohio	U.S.	Concentra-tion Ratio	Ohio	U.S.	Concentra-tion Ratio
512	Motion picture & sound recording industries	$209	$43,071	0.14	6,249 ~	331,231	0.47
515-9	Broadcasting, Internet, data processing & related srvcs.	$7,954	$405,417	0.57	60,788 ~	2,025,276	0.75
521-2	Federal Reserve, credit intermediation, & related srvcs.	$24,470	$569,742	1.25	142,781 ~	3,301,547	1.07
523	Securities, commodity contracts, investments	$2,659	$217,772	0.35	17,935	941,332	0.47
524	Insurance carriers & related activities	$11,165	$280,862	1.15	107,154	2,377,822	1.12
525	Funds, trusts & other financial vehicles	$208	$25,357	0.24	1,728 ~	26,397	1.63
531	Real estate	$44,365	$1,557,072	0.83	44,328	1,553,369	0.71
532-3	Rental & leasing srvcs., leasing intangible assets	$2,995	$105,754	0.82	23,447	663,434	0.88
5411	Legal srvcs.	$4,736	$186,785	0.74	39,645	1,219,383	0.81
5415	Computer systems design & related srvcs.	$4,459	$146,493	0.88	37,218	1,215,296	0.76
5412-4, 6-9	Other professional, scientific & technical srvcs.	$15,719	$592,054	0.77	173,232	5,619,415	0.77
55	Management of companies & enterprises	$13,755	$242,095	1.65	153,766	2,915,644	1.31
561	Administrative & support srvcs.	$11,883	$359,294	0.96	341,681	9,658,292	0.88
562	Waste management & remediation srvcs.	$1,295	$34,183	1.10	14,553	345,334	1.05
61	Educational srvcs.	$3,533	$120,946	0.85	104,997	2,979,514	0.88
621	Ambulatory health care srvcs.	$17,246	$464,519	1.08	230,194	5,683,285	1.01
622-3	Hospitals & nursing & residential care facilities	$16,883	$358,319	1.37	401,209	8,363,673	1.19
624	Social assistance	$2,489	$78,528	0.92	98,946	2,404,403	1.02
711-2	Performing arts, museums & related activities	$1,636	$60,390	0.79	18,259	548,091	0.83
713	Amusements, gambling & recreation	$1,690	$65,792	0.75	41,365	1,425,564	0.72
721	Accommodation	$1,523	$112,358	0.39	32,975	1,880,698	0.44
722	Food srvcs. & drinking places	$8,510	$241,285	1.02	407,780	9,500,528	1.07
81	Other srvcs., except government	$10,553	$301,103	1.02	226,375	5,458,558	1.03

Notes: * - includes farms, rail transportation, and government; ^ - excludes farms and rail transportation; ~ - is or includes an estimate for employment.

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

Sources: U.S. Bureau of the Census (2008), U.S. Bureau of Economic Analysis (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
------	Total	4,825,510	119,917,165	1.00
1131	Timber tract operations	36 *	2,806	0.32 *
1132	Forest nurseries & gathering forest products	27 *	2,098	0.31 *
1133	Logging	492	61,400	0.20
1141	Fishing	15 *	5,646	0.07 *
1142	Hunting & trapping	17 *	1,875	0.23 *
1151	Crop production support activities	510	59,283	0.21
1152	Animal production support activities	319	19,062	0.42
1153	Forestry support activities	42 *	13,491	0.08 *
2111	Oil & gas extraction	1,326	92,683	0.36
2121	Coal mining	2,826	77,939	0.90
2122	Metal ore mining	3 *	27,687	0.00 *
2123	Nonmetallic mineral mining & quarrying	3,583 *	99,723	0.89 *
2131	Mining support activities	2,150	256,301	0.21
2211	Electric power generation, transmission & distribution	21,886	493,670	1.10
2212	Natural gas distribution	3,259	78,813	1.03
2213	Water, sewage & other systems	1,121	41,944	0.66
2361	Residential building construction	26,093	966,198	0.67
2362	Nonresidential building construction	29,045	741,978	0.97
2371	Utility system construction	13,804	496,628	0.69
2372	Land subdivision	1,753	77,406	0.56
2373	Highway, street & bridge construction	7,942	325,182	0.61
2379	Other heavy & civil engineering	1,948	90,167	0.54

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
2381	Foundation, structure, & building exterior contractors	33,245	1,167,986	0.71
2382	Building equipment contractors	65,977	1,940,281	0.85
2383	Building finishing contractors	24,870	975,335	0.63
2389	Other specialty trade contractors	13,985	557,638	0.62
31-33	Manufacturing			
32p & 33	Durable goods			
3211	Sawmills & wood preservation	1,972	118,483	0.41
3212	Veneer, plywood & engineered wood product mfg.	2,816	124,472	0.56
3219	Other wood product mfg.	12,504	333,551	0.93
3271	Clay product & refractory mfg.	6,499	53,521	3.02
3272	Glass & glass product mfg.	8,459	102,364	2.05
3273	Cement & concrete product mfg.	7,298	227,739	0.80
3274	Lime & gypsum product mfg.	887	17,935	1.23
3279	Other nonmetallic mineral product mfg.	6,117	80,900	1.88
3311	Iron & steel mills & ferroalloy mfg.	16,461	110,790	3.69
3312	Steel product mfg. from purchased steel	6,415	47,069	3.39
3313	Alumina & aluminum production & processing	3,740	65,387	1.42
3314	Nonferrous (exc. aluminum) production & processing	3,812	59,610	1.59
3315	Foundries	18,538	167,058	2.76
3321	Forging & stamping	16,994	130,140	3.25
3322	Cutlery & handtool mfg.	4,768	53,633	2.21
3323	Architectural & structural metals mfg.	16,789	396,098	1.05
3324	Boiler, tank & shipping container mfg.	9,065	87,497	2.57
3325	Hardware mfg.	3,295	45,282	1.81
3326	Spring & wire product mfg.	4,705	55,759	2.10
3327	Machine shops, turn products, screw, nut & bolt mfg.	33,436	386,792	2.15

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
3328	Coating, engrave, heat treating & other activity	13,866	136,411	2.53
3329	Other fabricated metal product mfg.	22,364	272,101	2.04
3331	Agricultural, construction & mining machinery mfg.	5,427	194,899	0.69
3332	Industrial machinery mfg.	8,643	131,927	1.63
3333	Commercial & service industry machinery mfg.	4,200	95,489	1.09
3334	HVAC & commercial refrigeration equipment mfg.	7,643	150,277	1.26
3335	Metalworking machinery mfg.	20,898	173,681	2.99
3336	Engine, turbine & power transmission equipment mfg.	4,779	99,827	1.19
3339	Other general purpose machinery mfg.	24,965	280,571	2.21
3341	Computer & peripheral equipment mfg.	1,433	102,607	0.35
3342	Communications equipment mfg.	2,121	152,679	0.35
3343	Audio & video equipment mfg.	531	18,939	0.70
3344	Semiconductor & other electronic component mfg.	7,441	365,417	0.51
3345	Navigation, measuring, medical, control instruments mfg.	12,398	384,856	0.80
3346	Mfg. & reproducing magnetic & optical media	322	32,987	0.24
3351	Electric lighting equipment mfg.	4,548	56,797	1.99
3352	Household appliance mfg.	11,519	74,585	3.84
3353	Electrical equipment mfg.	8,203	138,511	1.47
3359	Other electrical equipment & component mfg.	7,000	149,798	1.16
3361	Motor vehicle mfg.	26,844	211,162	3.16
3362	Motor vehicle body & trailer mfg.	4,936	155,649	0.79
3363	Motor vehicle parts mfg.	90,442	641,128	3.51
3364	Aerospace product & parts mfg.	14,803	397,933	0.92
3365	Railroad rolling stock mfg.	583 *	29,675	0.49 *
3366	Ship & boat building	615 *	142,057	0.11 *
3369	Other transportation equipment mfg.	2,590	44,923	1.43
3371	Household & institutional furniture & kitchen cabinet mfg.	15,645	354,341	1.10

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
3372	Office furniture (including fixtures) mfg.	4,860	143,102	0.84
3379	Other furniture related product mfg.	940	45,816	0.51
3391	Medical equipment & supplies mfg.	12,154	314,015	0.96
3399	Other miscellaneous mfg.	16,871	372,081	1.13
31 & 32p	Nondurable goods			
3111	Animal food mfg.	2,544	48,173	1.31
3112	Grain & oilseed milling	2,135 *	53,724	0.99 *
3113	Sugar & confectionery product mfg.	1,773 *	72,604	0.61 *
3114	Fruit & veg preserving & specialty food mfg.	11,092	164,330	1.68
3115	Dairy product mfg.	4,464	130,253	0.85
3116	Animal slaughtering & processing	7,963	503,800	0.39
3117	Seafood product preparation & packaging	12 *	35,894	0.01 *
3118	Bakeries & tortilla mfg.	13,648	288,393	1.18
3119	Other food mfg.	7,352	161,567	1.13
3121	Beverage mfg.	4,240	134,206	0.79
3122	Tobacco mfg.	0	20,887	0.00
3131	Fiber, yarn & thread mills	27 *	48,240	0.01 *
3132	Fabric mills	1,142 *	91,959	0.31 *
3133	Textile, fabric finishing, fabric coating mills	1,088	47,567	0.57
3141	Textile furnishings mills	1,046	81,060	0.32
3149	Other textile product mills	2,728	74,526	0.91
3151	Apparel knitting mills	0	30,784	0.00
3152	Cut & sew apparel mfg.	1,473	168,283	0.22
3159	Apparel accessories & other apparel mfg.	163	17,171	0.24
3161	Leather & hide tanning & finishing	53 *	5,807	0.23 *
3162	Footwear mfg.	12 *	16,616	0.02 *
3169	Other leather & allied product mfg.	1,247	16,174	1.92

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
3221	Pulp, paper & paperboard mills	5,090	138,756	0.91
3222	Converted paper product mfg.	20,415	302,674	1.68
3231	Printing & related support activities	30,371	641,011	1.18
3241	Petroleum & coal products	4,442	102,997	1.07
3251	Basic chemical mfg.	8,359	161,324	1.29
3252	Resin, synthetic rubber, artificial & synthetic fibers, filling mfg.	4,750	86,294	1.37
3253	Pesticide, fertilizer & other agricultural chemical mfg.	1,116	29,748	0.93
3254	Pharmaceutical & medicine mfg.	3,968	249,743	0.39
3255	Paint, coating & adhesive mfg.	7,881	67,337	2.91
3256	Soap, cleaners & toilet preparation mfg.	7,278	105,506	1.71
3259	Other chemical product & preparation mfg.	6,178	105,112	1.46
3261	Plastics product mfg.	58,792	740,254	1.97
3262	Rubber product mfg.	21,112	160,588	3.27
4231	Motor vehicles, parts & supply merchant whsle.	17,487	367,505	1.18
4232	Furniture & home furnishing merchant whsle.	4,641	158,027	0.73
4233	Lumber & other construction materials merchant whsle.	9,631	274,745	0.87
4234	Professional & commercial equip & supp merchant whsle.	25,255	723,687	0.87
4235	Metal & mineral (exc. petroleum) merchant whsle.	10,162	158,317	1.60
4236	Electrical & electronic goods merchant whsle.	13,961	466,457	0.74
4237	Hardware, plumb & heating equipment & supplies merchant whsle.	10,768	231,219	1.16
4238	Machinery, equipment & supplies merchant whsle.	33,807	714,037	1.18
4239	Miscellaneous durable goods merchant whsle.	13,303	336,259	0.98
4241	Paper & paper product merchant whsle.	11,270	179,820	1.56
4242	Drugs & druggists' sundries merchant whsle.	8,264	257,590	0.80
4243	Apparel, piece goods & notions merchant whsle.	4,526	200,985	0.56
4244	Grocery & related product merchant whsle.	31,657	770,899	1.02

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
4245	Farm product raw material merchant whsle.	2,400	62,173	0.96
4246	Chemical & allied products merchant whsle.	8,492	141,225	1.49
4247	Petroleum & petroleum products merchant whsle.	2,705	102,753	0.65
4248	Beer, wine, distilled alcoholic beverage merchant whsle.	5,822	178,869	0.81
4249	Miscellaneous nondurable goods merchant whsle.	12,709	373,421	0.85
4251	Wholesale electronic markets, agents & brokers	11,526	332,659	0.86
4411	Automobile dealers	50,991	1,286,788	0.98
4412	Other motor vehicle dealers	5,081	167,374	0.75
4413	Automotive parts, accessories & tire stores	19,123	493,354	0.96
4421	Furniture stores	9,422	282,668	0.83
4422	Home furnishings stores	9,252	295,407	0.78
4431	Electronics & appliance stores	17,071	488,784	0.87
4441	Building material & supplies dealers	43,298	1,190,989	0.90
4442	Lawn & garden equip & supplies stores	7,123	175,415	1.01
4451	Grocery stores	99,545	2,615,175	0.95
4452	Specialty food stores	5,848	168,728	0.86
4453	Beer, wine & liquor stores	4,823	142,586	0.84
4461	Health & personal care stores	47,336	1,113,634	1.06
4471	Gasoline stations	37,324	913,467	1.02
4481	Clothing stores	38,896	1,259,686	0.77
4482	Shoe stores	6,389	201,079	0.79
4483	Jewelry, luggage & leather goods stores	6,593	170,685	0.96
4511	Sporting goods, hobby, musical instrument stores	16,058	442,281	0.90
4512	Book, periodical & music stores	6,890	195,732	0.87
4521	Department stores	71,267	1,532,456	1.16
4529	Other general merchandise stores	45,632	1,269,995	0.89

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
4531	Florists	4,444	98,373	1.12
4532	Office supplies, stationery & gift stores	12,086	337,789	0.89
4533	Used merchandise stores	5,819	133,533	1.08
4539	Other miscellaneous store retailers	11,073	270,150	1.02
4541	Electronic shopping & mail-order houses	14,985	263,979	1.41
4542	Vending machine operators	6,124	51,645	2.95
4543	Direct selling establishments	6,307	206,114	0.76
4811	Scheduled air transportation	6,263 *	432,485	0.36 *
4812	Nonscheduled air transportation	3,983 *	42,289	2.34 *
4831	Deep sea, coastal & Great Lakes water transportation	1,131 *	47,510	0.59 *
4832	Inland water transportation	125 *	20,928	0.15 *
4841	General freight trucking	52,667	1,049,957	1.25
4842	Specialized freight trucking	18,296	482,356	0.94
4851	Urban transit systems	509 *	49,414	0.26 *
4852	Interurban & rural bus transportation	314 *	16,465	0.47 *
4853	Taxi & limousine service	1,175	69,226	0.42
4854	School & employee bus transportation	3,365	194,765	0.43
4855	Charter bus industry	1,075	27,929	0.96
4859	Other transit & ground passenger transportation	1,702	60,919	0.69
4861	Pipeline transportation of crude oil	311 *	7,529	1.03 *
4862	Pipeline transportation of natural gas	688	22,248	0.77
4869	Other pipeline transportation	216 *	9,419	0.57 *
4871	Scenic & sightseeing transportation, land	192	9,218	0.52
4872	Scenic & sightseeing transportation, water	47	15,280	0.08
4879	Scenic & sightseeing transportation, other	0	2,171	0.00
4881	Air transportation support activities	1,958	158,320	0.31
4882	Rail transportation support activities	1,020	28,090	0.90

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
4883	Water transportation support activities	974	91,795	0.26
4884	Road transportation support activities	2,155	71,831	0.75
4885	Freight transportation arrangement	7,168	198,326	0.90
4889	Other transportation support activities	881	31,227	0.70
4921	Couriers	27,787	525,610	1.31
4922	Local messengers & local delivery	1,789	45,773	0.97
4931	Warehousing & storage	36,555	595,325	1.53
5111	Newspaper, periodical, book, database publishers	26,301	699,906	0.93
5112	Software publishers	5,649	339,833	0.41
5121	Motion picture & video industries	6,389 *	308,750	0.51 *
5122	Sound recording industries	176 *	22,481	0.19 *
5151	Radio & television broadcasting (exc. Internet)	9,800 *	262,248	0.93 *
5152	Cable & other subscription programming (exc. Internet)	73 *	39,735	0.05 *
5161	Internet publishing & broadcasting	4,729	41,588	2.83
5171	Wired telecommunications carriers	17,579	634,540	0.69
5172	Wireless telecommunications carriers (exc. satellite)	6,420	241,407	0.66
5173	Telecommunications resellers	1,216	32,352	0.93
5174	Satellite communications	174 *	11,514	0.38 *
5175	Cable & other program distribution	7,283	231,756	0.78
5179	Other telecommunications	88 *	10,197	0.21 *
5181	Internet service providers & web search portals	1,584	80,208	0.49
5182	Data processing, hosting & related services	10,798	385,110	0.70
5191	Other information services	728 *	54,621	0.33 *
5211	Monetary authorities - central bank	1,719 *	20,019	2.13 *
5221	Depository credit intermediation	96,384	2,155,349	1.11

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
5222	Nondepository credit intermediation	28,620	765,267	0.93
5223	Activities related to credit intermediation	16,720	360,912	1.15
5231	Security & commodity contracts intermediation & brokerage	9,755	516,295	0.47
5232	Securities & commodity exchanges	0	8,526	0.00
5239	Other financial investment activities	8,180	416,511	0.49
5241	Insurance carriers	70,813	1,438,696	1.22
5242	Agencies & other insurance related activities	36,341	939,126	0.96
5251	Insurance & employee benefit funds	n.a.	n.a.	n.a.
5259	Other investment pools & funds	1,719 *	26,397	1.62 *
5311	Lessors of real estate	17,757	544,635	0.81
5312	Offices of real estate agents & brokers	8,379	377,256	0.55
5313	Activities related to real estate	18,192	631,478	0.72
5321	Automotive equipment rental & leasing	7,692	184,468	1.04
5322	Consumer goods rental	9,772	253,627	0.96
5323	General rental centers	1,597	35,885	1.11
5324	Commercial, industrial equipment rental & leasing	3,765	159,968	0.58
5331	Lessors of other nonfinancial intangible asset	621	29,486	0.52
5411	Legal services	39,645	1,219,383	0.81
5412	Accounting, tax preparation, bookkeeping, payroll services	45,820	1,356,770	0.84
5413	Architectural, engineering & related services	41,502	1,390,573	0.74
5414	Specialized design services	5,098	130,062	0.97
5415	Computer systems design & related services	37,218	1,215,296	0.76
5416	Management, scientific & technical consulting services	25,950	1,039,301	0.62
5417	Scientific research & development services	22,061	672,666	0.82
5418	Advertising & related services	10,284	433,800	0.59

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
5419	Other professional, scientific, technical service	22,517	596,243	0.94
5511	Management of companies & enterprises	153,766	2,915,644	1.31
5611	Office administrative services	18,666	497,872	0.93
5612	Facilities support services	4,819	164,637	0.73
5613	Employment services	181,403	5,101,697	0.88
5614	Business support services	33,012	778,731	1.05
5615	Travel arrangement & reservation services	5,432	253,539	0.53
5616	Investigation & security services	22,356	802,010	0.69
5617	Services to buildings & dwellings	62,578	1,707,203	0.91
5619	Other support services	13,415	352,603	0.95
5621	Waste collection	6,771	176,912	0.95
5622	Waste treatment & disposal	2,526	56,343	1.11
5629	Remediation & other waste management services	5,256	112,079	1.17
6111	Elementary & secondary schools	31,007	802,963	0.96
6112	Junior colleges	2,498	85,892	0.72
6113	Colleges, universities & professional schools	54,717	1,534,226	0.89
6114	Business schools & computer & management training	2,126	67,537	0.78
6115	Technical & trade schools	3,259	119,970	0.68
6116	Other schools & instruction	8,380	292,730	0.71
6117	Educational support services	3,010	76,196	0.98
6211	Offices of physicians	89,728	2,136,673	1.04
6212	Offices of dentists	31,220	817,396	0.95
6213	Offices of other health practitioners	26,055	589,355	1.10

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
6214	Outpatient care centers	23,667	692,430	0.85
6215	Medical & diagnostic laboratories	7,647	228,067	0.83
6216	Home health care services	40,566	972,511	1.04
6219	Other ambulatory health care services	11,311	246,853	1.14
6221	General medical & surgical hospitals	232,403	4,953,821	1.17
6222	Psychiatric & substance abuse hospitals	5,798	216,745	0.66
6223	Other specialty hospitals	5,312	199,974	0.66
6231	Nursing care facilities	92,420	1,640,524	1.40
6232	Residential mental retardation, health facilities	24,213	553,058	1.09
6233	Community care facilities for the elderly	35,870	640,128	1.39
6239	Other residential care facilities	5,193	159,423	0.81
6241	Individual & family services	41,084	1,075,387	0.95
6242	Community, emergency & other relief services	5,106	159,534	0.80
6243	Vocational rehabilitation services	23,231	338,121	1.71
6244	Child day care services	29,525	831,361	0.88
7111	Performing arts companies	3,705	133,511	0.69
7112	Spectator sports	4,815	120,281	0.99
7113	Promoters of entertainment events	3,279	107,105	0.76
7114	Agents, managers for artists & other public figures	381	16,417	0.58
7115	Independent artists, writers & performers	607	47,600	0.32
7121	Museums, historical sites & like institutions	5,472	123,177	1.10
7131	Amusement parks & arcades	3,691	136,390	0.67
7132	Gambling industries	113	195,977	0.01
7139	Other amusement & recreation industries	37,561	1,093,197	0.85
7211	Traveler accommodation	31,584	1,880,698	0.42

Table A16: Industry Group Employment Concentration Ratios: 2006 CBP Employment

2002 NAICS Code	Industry Titles	Ohio	U.S.	Ohio::U.S. Concentra-tion Ratio
7212	RV parks & recreational camps	729	38,308	0.47
7213	Rooming & boarding houses	662	11,811	1.39
7221	Full-service restaurants	189,351	4,518,780	1.04
7222	Limited-service eating places	185,743	4,073,818	1.13
7223	Special food services	16,755	546,347	0.76
7224	Drinking places (alcoholic beverages)	15,931	361,583	1.09
8111	Automotive repair & maintenance	33,780	888,301	0.95
8112	Electronic & precision equipment repair & maintenance	5,153	127,477	1.00
8113	Commercial equipment (exc. auto & electric) repair & maintenance	9,206	193,442	1.18
8114	Personal & household goods repair & maintenance	2,838	98,001	0.72
8121	Personal care services	31,763	612,980	1.29
8122	Death care services	7,451	136,806	1.35
8123	Drycleaning & laundry services	14,262	374,377	0.95
8129	Other personal services	7,182	233,628	0.76
8131	Religious organizations	66,687	1,647,219	1.01
8132	Grantmaking & giving services	5,785	149,045	0.96
8133	Social advocacy organizations	3,306	122,910	0.67
8134	Civic & social organizations	17,931	328,324	1.36
8139	Business, labor, political, like organizations	21,031	546,048	0.96

Notes: exc. - except; mfg. - manufacturing; mgt. - management; n.a. - not available; whsle. - wholesale; * - estimated.

Source: U.S. Bureau of the Census (2008).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/08).

Table A17: Ohio's Gross Domestic Product by Industry, 1990-1997 (in millions of chained 2000 dollars)

1987 SIC Codes	Industry Titles	Gross Domestic Product (in millions of chained 2000 dollars) 1990	1991	1992	1993	1994	1995	1996	1997	Percent Change 1990-1997
A-J	Total gross domestic product	$274,921	$272,686	$283,793	$285,610	$300,451	$310,416	$319,426	$336,157	22.3%
A-I	Private industries	$240,193	$237,797	$247,619	$249,532	$264,290	$273,483	$282,579	$297,996	24.1%
A	Agriculture, forestry, fishing	$2,500	$2,238	$2,689	$2,282	$2,754	$2,475	$2,661	$3,380	35.2%
01-02	Farms	$1,279	$1,068	$1,408	$1,134	$1,461	$1,174	$1,307	$1,848	44.5%
07-09	Agricultural services, forestry & fishing	$1,178	$1,215	$1,222	$1,146	$1,228	$1,332	$1,352	$1,393	18.3%
B	Mining	$1,229	$1,064	$1,055	$1,188	$1,413	$1,383	$1,505	$1,637	33.2%
10	Metal mining	$0	$0	$0	$0	$0	$0	$0	$0	n.a.
12	Coal mining	$303	$262	$275	$320	$378	$320	$362	$374	23.4%
13	Oil & gas extraction	$790	$643	$550	$540	$703	$826	$810	$929	17.6%
14	Nonmetallic minerals, exc. fuels	$244	$237	$258	$319	$347	$339	$403	$431	76.6%
C/15-17	Construction	$13,259	$12,380	$12,563	$13,207	$14,168	$14,058	$14,767	$15,506	16.9%
D	Manufacturing	$66,060	$63,171	$67,010	$69,834	$72,902	$76,713	$78,626	$83,477	26.4%
D (part)	Durable goods	$39,799	$37,887	$40,628	$42,947	$45,100	$48,510	$49,325	$53,156	33.6%
24	Lumber & wood products	$1,144	$1,172	$1,308	$1,122	$1,280	$1,577	$1,510	$1,381	20.7%
25	Furniture & fixtures	$715	$691	$698	$774	$799	$1,055	$855	$960	34.3%
32	Stone, clay & glass products	$2,777	$2,489	$2,849	$2,943	$3,178	$3,115	$3,186	$3,558	28.1%
33	Primary metals	$5,893	$5,960	$5,995	$6,830	$7,199	$6,734	$6,413	$7,719	31.0%
34	Fabricated metals	$8,042	$7,048	$7,060	$7,670	$9,054	$9,573	$9,634	$10,061	25.1%
35	Industrial machinery & equipment	$4,941	$4,506	$5,032	$5,409	$5,913	$6,704	$7,190	$7,899	59.9%
36	Electronic equipment	$1,859	$1,984	$2,048	$2,184	$2,402	$2,723	$3,217	$3,693	98.7%
37	Transportation equipment	$14,351	$13,304	$15,234	$15,620	$14,396	$15,840	$15,299	$15,511	8.1%
371	Motor vehicles & equipment	$9,149	$8,189	$11,332	$12,081	$12,283	$12,851	$12,447	$13,474	47.3%
372-379	Other transportation equipment	$5,202	$5,115	$3,902	$3,539	$2,113	$2,989	$2,852	$2,037	-60.8%
38	Instruments & related products	$1,394	$1,595	$1,587	$1,357	$1,408	$1,562	$1,648	$1,383	-0.8%
39	Miscellaneous mfg.	$938	$901	$826	$883	$927	$984	$1,117	$1,328	41.6%
D (part)	Nondurable goods	$27,082	$26,121	$27,141	$27,501	$28,368	$28,536	$29,728	$30,637	13.1%
20	Food & kindred products	$6,326	$6,234	$5,987	$6,243	$6,614	$7,567	$7,270	$7,105	12.3%
21	Tobacco products	$1	$1	$1	$1	$2	$3	$4	$4	300.0%
22	Textile mill products	$179	$172	$170	$179	$198	$204	$231	$215	20.1%
23	Apparel & other textile products	$430	$434	$447	$504	$563	$541	$508	$532	23.7%
26	Paper & allied products	$2,559	$2,548	$2,747	$3,132	$3,143	$2,442	$2,829	$3,095	20.9%
27	Printing & publishing	$5,153	$4,891	$4,745	$4,436	$4,559	$4,261	$4,152	$4,297	-16.6%
28	Chemicals & allied products	$7,244	$7,408	$7,948	$8,083	$8,208	$8,231	$9,028	$9,462	30.6%
29	Petroleum & coal products	$2,068	$1,264	$1,356	$1,125	$919	$1,091	$1,363	$1,274	-38.4%
30	Rubber & miscellaneous plastics	$3,156	$3,294	$3,729	$3,839	$4,198	$4,190	$4,288	$4,586	45.3%
31	Leather & leather products	$181	$168	$169	$150	$163	$189	$154	$148	-18.2%
E	Transportation, communications & utilities	$20,069	$21,149	$21,447	$18,888	$22,869	$24,025	$24,367	$24,382	21.5%
E (part)	Transportation	$7,065	$7,128	$7,649	$8,101	$8,868	$9,379	$10,046	$10,450	47.9%
40	Railroad transportation	$890	$900	$1,023	$1,051	$1,038	$1,061	$1,043	$961	8.0%
41	Local & interurban passenger transit	$278	$248	$255	$278	$291	$330	$334	$354	27.3%
42	Trucking & warehousing	$3,763	$3,979	$4,272	$4,557	$4,954	$5,079	$5,349	$5,424	44.1%
44	Water transportation	$266	$258	$277	$299	$345	$316	$317	$332	24.8%
45	Transportation by air	$1,167	$1,065	$1,144	$1,197	$1,465	$1,773	$2,108	$2,456	110.5%

Table A17: Ohio's Gross Domestic Product by Industry, 1990-1997 (in millions of chained 2000 dollars)

		Gross Domestic Product (in millions of chained 2000 dollars)								Percent Change
1987 SIC Codes	Industry Titles	1990	1991	1992	1993	1994	1995	1996	1997	1990-1997
46	Pipelines, exc. natural gas	$86	$87	$85	$85	$80	$87	$88	$95	10.5%
47	Transportation services	$614	$593	$585	$635	$700	$727	$800	$824	34.2%
48	Communications	$4,803	$5,007	$4,937	$4,992	$5,294	$5,458	$5,665	$5,575	16.1%
49	Electric, gas & sanitary services	$8,201	$9,014	$8,861	$5,795	$8,707	$9,188	$8,656	$8,357	1.9%
F/50, 51	Wholesale trade	$14,371	$15,166	$16,078	$16,725	$18,146	$18,134	$20,029	$22,563	57.0%
G/52-59	Retail trade	$21,777	$21,343	$22,201	$22,909	$24,553	$25,617	$27,443	$29,256	34.3%
H	Finance, insurance & real estate	$45,435	$46,646	$48,510	$48,123	$48,727	$51,361	$52,055	$54,200	19.3%
60	Depository institutions	$11,223	$11,161	$11,540	$11,125	$10,068	$10,032	$9,969	$10,524	-6.2%
61	Nondepository institutions	$501	$491	$543	$630	$633	$686	$807	$1,226	144.7%
62	Security & commodity brokers	$516	$533	$562	$748	$883	$993	$1,180	$1,511	192.8%
63	Insurance carriers	$7,661	$8,515	$8,701	$7,099	$7,601	$8,877	$8,776	$8,817	15.1%
64	Insurance agents, brokers & services	$2,129	$1,936	$1,746	$1,822	$1,860	$1,975	$2,023	$2,037	-4.3%
65	Real estate	$23,618	$24,525	$25,932	$26,510	$27,390	$28,499	$28,976	$29,327	24.2%
67	Holding & other investment offices	$1,392	$1,038	$899	$993	$820	$862	$654	$954	-31.5%
I	Services	$57,319	$56,783	$57,790	$57,902	$59,641	$60,480	$61,575	$63,660	11.1%
70	Hotels & other lodging places	$1,124	$1,093	$1,108	$1,132	$1,196	$1,324	$1,376	$1,484	32.0%
72	Personal services	$2,134	$2,112	$2,199	$2,247	$2,239	$2,276	$2,240	$2,278	6.7%
73	Business services	$9,505	$9,485	$9,910	$10,335	$11,524	$11,754	$12,198	$13,396	40.9%
75	Auto repair, services & parking	$2,659	$2,559	$2,648	$2,697	$2,930	$2,984	$3,138	$3,167	19.1%
76	Miscellaneous repair services	$1,147	$1,029	$937	$981	$995	$1,014	$987	$967	-15.7%
78	Motion pictures	$257	$245	$251	$281	$263	$271	$263	$268	4.3%
79	Amusement & recreation services	$1,987	$1,931	$2,061	$1,920	$1,992	$2,159	$2,040	$2,196	10.5%
80	Health services	$21,957	$22,166	$22,237	$21,850	$21,798	$21,826	$21,901	$22,285	1.5%
81	Legal services	$3,666	$3,633	$3,817	$3,632	$3,625	$3,584	$3,669	$3,486	-4.9%
82	Educational services	$1,968	$2,010	$2,056	$2,057	$2,055	$2,131	$2,146	$2,134	8.4%
83	Social services	$1,725	$1,762	$1,913	$2,026	$2,100	$2,238	$2,294	$2,370	37.4%
84, 87 & 89	Other services	$6,820	$6,373	$6,239	$6,253	$6,462	$6,424	$6,827	$7,113	4.3%
86	Membership organizations	$1,918	$1,985	$2,001	$2,099	$2,134	$2,204	$2,193	$2,257	17.7%
88	Private households	$307	$280	$299	$306	$308	$316	$308	$299	-2.6%
J	Government	$35,151	$35,381	$36,667	$36,533	$36,444	$37,183	$37,007	$38,287	8.9%
91-97	Federal government	$8,123	$7,970	$8,172	$7,978	$8,064	$8,094	$7,853	$7,754	-4.5%
91-96, 972	Federal civilian (inc. Postal Service)	$6,478	$6,339	$6,588	$6,439	$6,614	$6,681	$6,506	$6,459	-0.3%
971	Federal military	$1,645	$1,631	$1,584	$1,539	$1,450	$1,413	$1,347	$1,295	-21.3%
91-96	State & local	$27,027	$27,401	$28,487	$28,546	$28,373	$29,080	$29,148	$30,532	13.0%

Notes: exc. - except; inc. - including; mfg. - manufacturing; n.a. - not applicable or not available. Components may not sum to totals due to rounding and/or different inflation/deflation adjustments for different industries.

Sources: Downey and Aman (2006), U.S. Bureau of Economic Analysis (2007), Woodruff, et.al. (2006).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 10/07).

Table A18: U.S. Gross Domestic Product by Industry, 1990-1997 (in millions of chained 2000 dollars)

1987 SIC Codes	Industry Titles	Gross Dommestic Product (in millions of chained 2000 dollars) 1990	1991	1992	1993	1994	1995	1996	1997	Percent Change 1990-1997
A-J	Total gross domestic product	$6,939,733	$6,917,680	$7,114,708	$7,240,810	$7,538,478	$7,784,237	$8,106,740	$8,521,597	22.8%
A-I	Private industries	$5,919,952	$5,896,241	$6,076,908	$6,199,570	$6,487,482	$6,730,071	$7,042,855	$7,441,094	25.7%
A	Agriculture, forestry, fishing	$90,694	$91,948	$100,719	$91,099	$104,985	$93,318	$102,217	$113,709	25.4%
01-02	Farms	$49,276	$50,003	$57,464	$50,649	$60,862	$49,599	$56,116	$64,376	30.6%
07-09	Agricultural services, forestry & fishing	$42,475	$42,965	$41,952	$40,287	$42,314	$45,014	$46,105	$47,962	12.9%
B	Mining	$145,820	$139,683	$134,003	$137,089	$147,959	$152,838	$159,714	$167,004	14.5%
10	Metal mining	$3,794	$4,217	$4,460	$4,595	$4,772	$4,526	$4,811	$5,320	40.2%
12	Coal mining	$6,418	$6,489	$7,170	$7,402	$8,542	$8,853	$9,587	$10,072	56.9%
13	Oil & gas extraction	$138,165	$130,004	$119,545	$121,454	$129,809	$135,695	$139,745	$145,021	5.0%
14	Nonmetallic minerals, exc. fuels	$7,981	$7,541	$7,898	$8,406	$9,186	$9,233	$10,292	$11,025	38.1%
C/15-17	Construction	$355,805	$328,883	$333,522	$336,106	$357,768	$360,123	$379,332	$396,485	11.4%
D	Manufacturing	$1,036,356	$1,007,266	$1,036,187	$1,064,421	$1,144,753	$1,221,175	$1,260,098	$1,348,582	30.1%
D (part)	Durable goods	$489,636	$473,389	$490,896	$511,444	$561,598	$610,705	$647,849	$712,826	45.6%
24	Lumber & wood products	$44,675	$40,867	$39,207	$36,820	$38,925	$41,651	$40,164	$39,427	-11.7%
25	Furniture & fixtures	$19,257	$18,225	$19,814	$21,537	$21,641	$22,611	$22,792	$24,175	25.5%
32	Stone, clay & glass products	$31,503	$28,996	$32,247	$32,371	$35,777	$36,939	$37,269	$42,253	34.1%
33	Primary metals	$39,045	$38,781	$40,347	$43,109	$45,763	$45,962	$47,618	$50,023	28.1%
34	Fabricated metals	$79,745	$74,075	$75,841	$79,897	$91,442	$96,749	$100,313	$105,822	32.7%
35	Industrial machinery & equipment	$69,812	$64,717	$69,625	$74,044	$81,339	$94,536	$102,898	$118,846	70.2%
36	Electronic equipment	$35,047	$36,825	$39,324	$43,012	$52,164	$65,913	$78,607	$97,223	177.4%
37	Transportation equipment	$146,109	$141,215	$143,982	$149,328	$157,554	$151,666	$150,415	$158,554	8.5%
371	Motor vehicles & equipment	$65,323	$61,660	$74,540	$84,640	$101,055	$97,243	$94,183	$99,643	52.5%
372-379	Other transportation equipment	$80,786	$79,555	$69,442	$64,688	$56,499	$54,423	$56,232	$58,911	-27.1%
38	Instruments & related products	$75,154	$74,214	$71,196	$65,028	$62,031	$62,501	$64,050	$60,864	-19.0%
39	Miscellaneous mfg.	$23,097	$21,919	$21,328	$22,721	$24,384	$25,597	$26,718	$28,221	22.2%
D (part)	Nondurable goods	$578,120	$565,656	$576,088	$581,224	$608,181	$632,090	$628,220	$647,189	11.9%
20	Food & kindred products	$121,123	$122,571	$122,564	$125,869	$124,974	$149,273	$133,237	$132,333	9.3%
21	Tobacco products	$46,734	$36,935	$32,616	$30,145	$43,244	$51,095	$48,779	$47,620	1.9%
22	Textile mill products	$23,116	$23,333	$26,136	$26,476	$27,542	$26,681	$26,157	$26,109	12.9%
23	Apparel & other textile products	$28,753	$28,450	$29,201	$29,281	$30,305	$30,050	$28,994	$28,834	0.3%
26	Paper & allied products	$58,093	$59,361	$60,864	$67,206	$68,312	$59,591	$63,491	$67,248	15.8%
27	Printing & publishing	$118,947	$112,613	$111,376	$104,873	$107,215	$105,427	$103,455	$102,731	-13.6%
28	Chemicals & allied products	$133,130	$130,758	$134,319	$134,174	$146,911	$149,218	$155,129	$167,125	25.5%
29	Petroleum & coal products	$28,644	$24,552	$25,308	$24,776	$23,361	$26,546	$30,035	$29,305	2.3%
30	Rubber & miscellaneous plastics	$32,480	$33,669	$36,366	$39,527	$43,321	$45,779	$48,149	$52,674	62.2%
31	Leather & leather products	$5,240	$5,269	$5,270	$4,992	$5,211	$5,424	$4,443	$4,567	-12.8%
E	Transportation, communications & utilities	$519,850	$536,668	$551,652	$572,239	$603,926	$636,840	$674,835	$683,048	31.4%
E (part)	Transportation	$196,107	$200,537	$209,868	$219,576	$237,507	$247,082	$268,311	$280,668	43.1%
40	Railroad transportation	$17,019	$19,673	$19,554	$19,851	$20,942	$21,695	$22,469	$21,379	25.6%
41	Local & interurban passenger transit	$15,553	$13,666	$13,644	$13,959	$14,222	$14,680	$15,007	$16,503	6.1%
42	Trucking & warehousing	$76,438	$81,379	$85,689	$89,963	$96,794	$99,094	$105,499	$109,677	43.5%
44	Water transportation	$10,643	$11,203	$11,274	$11,748	$12,574	$12,651	$13,566	$14,775	38.8%
45	Transportation by air	$50,849	$48,627	$53,261	$56,137	$64,042	$68,428	$77,638	$83,336	63.9%

Table A18: U.S. Gross Domestic Product by Industry, 1990-1997 (in millions of chained 2000 dollars)

		Gross Dommestic Product (in millions of chained 2000 dollars)								Percent Change
1987 SIC Codes	Industry Titles	1990	1991	1992	1993	1994	1995	1996	1997	1990-1997
46	Pipelines, exc. natural gas	$5,733	$5,730	$5,663	$5,707	$5,223	$5,056	$5,439	$5,730	-0.1%
47	Transportation services	$20,722	$20,297	$20,877	$22,346	$23,682	$25,320	$28,402	$29,167	40.8%
48	Communications	$142,776	$149,269	$157,185	$167,458	$176,314	$187,128	$201,078	$202,164	41.6%
49	Electric, gas & sanitary services	$180,967	$186,862	$184,599	$185,205	$190,105	$202,630	$205,446	$200,216	10.6%
F/50, 51	Wholesale trade	$363,083	$377,416	$405,057	$415,087	$438,270	$441,529	$489,221	$542,237	49.3%
G/52-59	Retail trade	$531,611	$522,238	$538,659	$555,250	$585,230	$610,794	$653,452	$703,317	32.3%
H	Finance, insurance & real estate	$1,358,345	$1,385,715	$1,418,988	$1,446,774	$1,471,886	$1,523,927	$1,571,463	$1,658,198	22.1%
60	Depository institutions	$284,054	$285,539	$276,482	$276,353	$257,953	$263,478	$258,078	$253,017	-10.9%
61	Nondepository institutions	$17,186	$16,700	$18,075	$20,948	$21,197	$21,289	$24,859	$38,083	121.6%
62	Security & commodity brokers	$35,721	$40,463	$40,271	$52,430	$62,784	$71,291	$91,702	$115,994	224.7%
63	Insurance carriers	$173,176	$190,266	$191,145	$183,145	$187,199	$190,217	$181,110	$186,140	7.5%
64	Insurance agents, brokers & services	$63,012	$59,225	$53,782	$56,121	$57,211	$59,547	$59,728	$60,680	-3.7%
65	Real estate	$807,170	$822,226	$865,828	$868,649	$892,569	$921,770	$948,618	$982,162	21.7%
67	Holding & other investment offices	$43,558	$33,387	$29,806	$35,582	$26,610	$26,974	$25,287	$29,921	-31.3%
I	Services	$1,569,610	$1,554,105	$1,598,670	$1,619,892	$1,658,250	$1,713,751	$1,770,025	$1,839,525	17.2%
70	Hotels & other lodging places	$64,989	$63,384	$66,239	$68,072	$72,652	$77,852	$83,239	$85,999	32.3%
72	Personal services	$51,507	$49,561	$51,215	$52,228	$52,160	$52,485	$51,694	$53,199	3.3%
73	Business services	$301,233	$291,319	$310,032	$320,030	$348,888	$366,013	$395,086	$434,279	44.2%
75	Auto repair, services & parking	$68,099	$65,204	$65,087	$66,502	$70,357	$72,940	$76,482	$77,543	13.9%
76	Miscellaneous repair services	$33,824	$30,627	$28,671	$28,448	$28,922	$29,264	$28,390	$27,455	-18.8%
78	Motion pictures	$24,540	$23,369	$23,694	$26,972	$24,937	$28,214	$28,706	$29,814	21.5%
79	Amusement & recreation services	$56,289	$56,836	$63,832	$62,256	$62,270	$67,171	$69,503	$75,824	34.7%
80	Health services	$473,918	$484,585	$493,767	$486,195	$485,335	$492,613	$497,293	$500,825	5.7%
81	Legal services	$126,265	$124,319	$128,600	$125,714	$123,144	$122,892	$124,434	$124,105	-1.7%
82	Educational services	$58,625	$61,010	$62,550	$64,280	$65,650	$67,527	$67,722	$68,855	17.4%
83	Social services	$43,523	$45,472	$47,901	$51,117	$53,428	$56,170	$57,154	$59,361	36.4%
84, 87 & 89	Other services	$201,589	$192,734	$190,573	$197,811	$200,444	$209,121	$219,365	$231,555	14.9%
86	Membership organizations	$48,294	$50,352	$50,821	$54,080	$55,491	$57,174	$57,634	$58,456	21.0%
88	Private households	$12,914	$11,891	$12,783	$13,213	$13,395	$13,859	$13,604	$13,297	3.0%
J	Government	$1,033,286	$1,035,618	$1,050,845	$1,052,950	$1,060,105	$1,061,074	$1,068,781	$1,083,495	4.9%
91-97	Federal government	$336,737	$333,543	$340,403	$333,888	$329,830	$315,168	$309,159	$308,588	-8.4%
91-96, 972	Federal civilian (inc. Postal Service)	$226,591	$223,669	$230,833	$227,198	$226,289	$215,532	$212,593	$214,000	-5.6%
971	Federal military	$110,146	$109,874	$109,570	$106,690	$103,541	$99,636	$96,566	$94,588	-14.1%
91-96	State & local	$696,764	$702,143	$710,653	$719,234	$730,350	$745,824	$759,559	$774,890	11.2%

Notes: exc. - except; inc. - including; mfg. - manufacturing. Components may not sum to totals due to rounding and/or different inflation/deflation adjustments for different industries.

Sources: Downey and Aman (2006), U.S. Bureau of Economic Analysis (2007), Woodruff, et.al. (2006).

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Table A19: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1990-1997 (chained 2000 dollars)

		Ohio			U.S.		
		Real GDP (millions)		Percent Change	Real GDP (millions)		Percent Change
1987 SIC Codes	Industry Titles	1990	1997	1990-1997	1990	1997	1990-1997
A-J	Total gross domestic product	$274,921	$336,157	22.3%	$6,939,733	$8,521,597	22.8%
01-02	Farms	$1,279	$1,848	44.5%	$49,276	$64,376	30.6%
07-09	Agricultural services, forestry & fishing	$1,178	$1,393	18.3%	$42,475	$47,962	12.9%
12	Coal mining	$303	$374	23.4%	$6,418	$10,072	56.9%
13	Oil & gas extraction	$790	$929	17.6%	$138,165	$145,021	5.0%
14	Non-metallic minerals, exc. fuels	$244	$431	76.6%	$7,981	$11,025	38.1%
C/15-17	Construction	$13,259	$15,506	16.9%	$355,805	$396,485	11.4%
20	Food & kindred products	$6,326	$7,105	12.3%	$121,123	$132,333	9.3%
22	Textile mill products	$179	$215	20.1%	$23,116	$26,109	12.9%
23	Apparel & other textile products	$430	$532	23.7%	$28,753	$28,834	0.3%
24	Lumber & wood products	$1,144	$1,381	20.7%	$44,675	$39,427	-11.7%
25	Furniture & fixtures	$715	$960	34.3%	$19,257	$24,175	25.5%
26	Paper & allied products	$2,559	$3,095	20.9%	$58,093	$67,248	15.8%
27	Printing & publishing	$5,153	$4,297	-16.6%	$118,947	$102,731	-13.6%
28	Chemicals & allied products	$7,244	$9,462	30.6%	$133,130	$167,125	25.5%
29	Petroleum & coal products	$2,068	$1,274	-38.4%	$28,644	$29,305	2.3%
30	Rubber & miscellaneous plastics	$3,156	$4,586	45.3%	$32,480	$52,674	62.2%
31	Leather & leather products	$181	$148	-18.2%	$5,240	$4,567	-12.8%
32	Stone, clay & glass products	$2,777	$3,558	28.1%	$31,503	$42,253	34.1%
33	Primary metals	$5,893	$7,719	31.0%	$39,045	$50,023	28.1%
34	Fabricated metals	$8,042	$10,061	25.1%	$79,745	$105,822	32.7%
35	Industrial machinery & equipment	$4,941	$7,899	59.9%	$69,812	$118,846	70.2%
36	Electronic equipment	$1,859	$3,693	98.7%	$35,047	$97,223	177.4%
371	Motor vehicles & equipment	$9,149	$13,474	47.3%	$65,323	$99,643	52.5%
372-379	Other transportation equipment	$5,202	$2,037	-60.8%	$80,786	$58,911	-27.1%
38	Instruments & related products	$1,394	$1,383	-0.8%	$75,154	$60,864	-19.0%
39	Miscellaneous mfg.	$938	$1,328	41.6%	$23,097	$28,221	22.2%
40	Railroad transportation	$890	$961	8.0%	$17,019	$21,379	25.6%
41	Local & interurban passenger transit	$278	$354	27.3%	$15,553	$16,503	6.1%

Table A19: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1990-1997 (chained 2000 dollars)

		Ohio			U.S.		
		Real GDP (millions)		Percent Change	Real GDP (millions)		Percent Change
1987 SIC Codes	Industry Titles	1990	1997	1990-1997	1990	1997	1990-1997
42	Trucking & warehousing	$3,763	$5,424	44.1%	$76,438	$109,677	43.5%
44	Water transportation	$266	$332	24.8%	$10,643	$14,775	38.8%
45	Transportation by air	$1,167	$2,456	110.5%	$50,849	$83,336	63.9%
46	Pipelines, exc. natural gas	$86	$95	10.5%	$5,733	$5,730	-0.1%
47	Transportation services	$614	$824	34.2%	$20,722	$29,167	40.8%
48	Communications	$4,803	$5,575	16.1%	$142,776	$202,164	41.6%
49	Electric, gas & sanitary services	$8,201	$8,357	1.9%	$180,967	$200,216	10.6%
F/50, 51	Wholesale trade	$14,371	$22,563	57.0%	$363,083	$542,237	49.3%
G/52-59	Retail trade	$21,777	$29,256	34.3%	$531,611	$703,317	32.3%
60	Depository institutions	$11,223	$10,524	-6.2%	$284,054	$253,017	-10.9%
61	Nondepository institutions	$501	$1,226	144.7%	$17,186	$38,083	121.6%
62	Security & commodity brokers	$516	$1,511	192.8%	$35,721	$115,994	224.7%
63	Insurance carriers	$7,661	$8,817	15.1%	$173,176	$186,140	7.5%
64	Insurance agents, brokers & services	$2,129	$2,037	-4.3%	$63,012	$60,680	-3.7%
65	Real estate	$23,618	$29,327	24.2%	$807,170	$982,162	21.7%
67	Holding & other investment offices	$1,392	$954	-31.5%	$43,558	$29,921	-31.3%
70	Hotels & other lodging places	$1,124	$1,484	32.0%	$64,989	$85,999	32.3%
72	Personal services	$2,134	$2,278	6.7%	$51,507	$53,199	3.3%
73	Business services	$9,505	$13,396	40.9%	$301,233	$434,279	44.2%
75	Auto repair, services & parking	$2,659	$3,167	19.1%	$68,099	$77,543	13.9%
76	Miscellaneous repair services	$1,147	$967	-15.7%	$33,824	$27,455	-18.8%
78	Motion pictures	$257	$268	4.3%	$24,540	$29,814	21.5%
79	Amusement & recreation services	$1,987	$2,196	10.5%	$56,289	$75,824	34.7%
80	Health services	$21,957	$22,285	1.5%	$473,918	$500,825	5.7%
81	Legal services	$3,666	$3,486	-4.9%	$126,265	$124,105	-1.7%
82	Educational services	$1,968	$2,134	8.4%	$58,625	$68,855	17.4%
83	Social services	$1,725	$2,370	37.4%	$43,523	$59,361	36.4%
84, 87 & 89	Other services	$6,820	$7,113	4.3%	$201,589	$231,555	14.9%
86	Membership organizations	$1,918	$2,257	17.7%	$48,294	$58,456	21.0%
88	Private households	$307	$299	-2.6%	$12,914	$13,297	3.0%
91-96, 972	Federal civilian (inc. Postal Service)	$6,478	$6,459	-0.3%	$226,591	$214,000	-5.6%

Table A19: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1990-1997 (chained 2000 dollars)

		Ohio			U.S.		
1987 SIC Codes	Industry Titles	Real GDP (millions) 1990	Real GDP (millions) 1997	Percent Change 1990-1997	Real GDP (millions) 1990	Real GDP (millions) 1997	Percent Change 1990-1997
971	Federal military	$1,645	$1,295	-21.3%	$110,146	$94,588	-14.1%
91-96	State & local	$27,027	$30,532	13.0%	$696,764	$774,890	11.2%

Notes: * - SIC 10, metal mining, and SIC 21, tobacco product manufacturing, are excluded because the former is absent from Ohio and the latter is nearly absent. Individual figures will not sum to the totals. Abbreviations used: exc. - except; inc. - including;. mfg. - manufacturing.

Source: U.S. Bureau of Economic Analysis (2007).

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Table A20: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1997-2006 (chained 2000 dollars)

		Ohio			U.S.		
		Real GDP (millions)		Percent Change	Real GDP (millions)		Percent Change
1997 NAICS Codes	Industry Titles	1997	2006	1997-2006	1997	2006	1997-2006
11-92	All Industries	$350,603	$388,921	10.9%	$8,620,955	$11,240,107	30.4%
111-12	Crop & animal production (farms)	$1,848	$2,106	14.0%	$64,376	$87,532	36.0%
113-15	Forestry, fishing & related activities	$204	$297	45.6%	$21,716	$29,310	35.0%
211	Oil & gas extraction	$559	$472	-15.6%	$89,592	$71,530	-20.2%
212	Mining, exc. oil & gas	$641	$592	-7.6%	$22,214	$26,592	19.7%
213	Support activities for mining	$106	$58	-45.3%	$15,479	$13,108	-15.3%
22	Utilities	$7,319	$7,254	-0.9%	$172,560	$202,702	17.5%
23	Construction	$15,763	$11,491	-27.1%	$406,564	$405,707	-0.2%
321	Wood products	$1,031	$992	-3.8%	$29,267	$32,770	12.0%
327	Nonmetallic mineral products	$3,880	$2,353	-39.4%	$43,758	$44,082	0.7%
331	Primary metals	$8,066	$4,411	-45.3%	$45,211	$41,186	-8.9%
332	Fabricated metal products	$9,726	$10,000	2.8%	$113,499	$119,036	4.9%
333	Machinery	$7,134	$6,803	-4.6%	$102,579	$119,685	16.7%
334	Computer & electronic products	$1,068	$5,200	386.9%	$66,362	$365,966	451.5%
335	Electrical equipment & appliances	$3,955	$3,363	-15.0%	$46,516	$42,108	-9.5%
3361-63	Motor vehicles, bodies, trailers & parts	$14,561	$19,278	32.4%	$105,342	$143,979	36.7%
3364-69	Other transportation equipment	$2,685	$3,911	45.7%	$60,616	$73,526	21.3%
337	Furniture & related products	$1,338	$1,245	-7.0%	$29,256	$28,921	-1.1%
339	Miscellaneous mfg.	$2,073	$1,940	-6.4%	$49,408	$67,956	37.5%
311-12	Food products	$7,628	$6,307	-17.3%	$156,598	$153,120	-2.2%
313-14	Textile & textile product mills	$356	$309	-13.2%	$26,951	$19,014	-29.4%
315	Apparel	$353	$240	-32.0%	$27,999	$17,172	-38.7%
322	Paper	$2,850	$2,129	-25.3%	$63,939	$52,421	-18.0%
323	Printing & related support activities	$2,427	$2,369	-2.4%	$47,262	$44,764	-5.3%
324	Petroleum & coal products	$802	$895	11.6%	$30,397	$31,948	5.1%
325	Chemical	$6,846	$6,087	-11.1%	$152,008	$173,030	13.8%
326	Plastics & rubber products	$5,097	$5,024	-1.4%	$60,694	$63,576	4.7%
42	Wholesale trade	$20,886	$24,909	19.3%	$506,767	$689,872	36.1%
44-45	Retail trade	$23,364	$29,759	27.4%	$569,950	$859,967	50.9%
481	Air transportation	$936	$2,197	134.7%	$47,514	$82,530	73.7%

Table A20: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1997-2006 (chained 2000 dollars)

		Ohio			U.S.		
		Real GDP (millions)		Percent Change	Real GDP (millions)		Percent Change
1997 NAICS Codes	Industry Titles	1997	2006	1997-2006	1997	2006	1997-2006
482	Rail transportation	$1,063	$1,496	40.7%	$23,591	$32,945	39.7%
483	Water transportation	$230	$82	-64.3%	$7,268	$6,505	-10.5%
484	Truck transportation	$4,460	$5,077	13.8%	$87,734	$103,461	17.9%
485	Transit & ground passenger transportation	$234	$236	0.9%	$13,896	$15,071	8.5%
486	Pipeline transportation	$72	$177	145.8%	$6,853	$11,369	65.9%
487-88, 92	Other transportation & support activities	$2,388	$3,134	31.2%	$59,654	$83,841	40.5%
493	Warehousing & storage	$896	$1,754	95.8%	$20,782	$33,185	59.7%
511	Publishing including software	$2,897	$4,528	56.3%	$90,087	$155,321	72.4%
512	Motion picture & sound recording industries	$200	$183	-8.5%	$28,859	$37,554	30.1%
513	Broadcasting & telecommunications	$5,102	$8,189	60.5%	$194,914	$404,960	107.8%
514	Information & data processing services	$934	$1,207	29.2%	$28,656	$72,441	152.8%
521-22	Fed. reserve banks, credit intermediation & related svcs.	$12,552	$20,036	59.6%	$302,385	$466,524	54.3%
523	Securities, commodity contracts, investments	$1,134	$3,380	198.1%	$70,455	$276,831	292.9%
524	Insurance carriers & related activities	$9,906	$8,727	-11.9%	$221,389	$219,546	-0.8%
525	Funds, trusts & other financial vehicles	$347	$165	-52.4%	$32,937	$20,186	-38.7%
531	Real estate	$32,822	$37,318	13.7%	$994,531	$1,309,745	31.7%
532-33	Rental & leasing services & lessors of intangible assets	$2,970	$2,616	-11.9%	$91,224	$92,381	1.3%
5411	Legal services	$3,823	$3,472	-9.2%	$128,287	$136,906	6.7%
5415	Computer systems design & related services	$2,406	$4,608	91.5%	$82,970	$151,402	82.5%
5412-4, 6-9	Other professional, scientific & technical services	$10,754	$14,499	34.8%	$331,612	$546,126	64.7%
55	Management of companies & enterprises	$9,036	$10,085	11.6%	$188,959	$177,505	-6.1%
561	Administrative & support services	$9,680	$9,808	1.3%	$248,011	$296,571	19.6%
562	Waste management & remediation services	$977	$1,035	5.9%	$22,093	$27,332	23.7%
61	Educational services	$2,361	$2,525	6.9%	$73,107	$86,432	18.2%
621	Ambulatory health care services	$11,293	$15,230	34.9%	$288,159	$410,225	42.4%
622-23	Hospitals & nursing & residential care facilities	$11,924	$12,441	4.3%	$235,580	$264,030	12.1%
624	Social assistance	$1,550	$2,302	48.5%	$46,361	$72,647	56.7%
711-12	Performing arts, museums & related activities	$1,023	$1,280	25.1%	$38,659	$47,242	22.2%
713	Amusements, gambling & recreation	$1,381	$1,436	4.0%	$45,547	$55,892	22.7%
721	Accommodation	$1,453	$1,286	-11.5%	$84,486	$94,886	12.3%

Table A20: Association of Ohio and U.S. Percentage Changes in GDP by Industry, 1997-2006 (chained 2000 dollars)

		Ohio			U.S.		
		Real GDP (millions)		Percent Change	Real GDP (millions)		Percent Change
1997 NAICS Codes	Industry Titles	1997	2006	1997-2006	1997	2006	1997-2006
722	Food services & drinking places	$6,288	$6,950	10.5%	$147,826	$197,055	33.3%
81	Other services, exc. government	$8,884	$8,020	-9.7%	$227,487	$228,829	0.6%
92a	Civilian (inc. Postal Service)	$6,629	$5,873	-11.4%	$219,583	$213,641	-2.7%
92b	Military	$1,295	$1,427	10.2%	$94,588	$103,565	9.5%
92c	State & local	$30,390	$30,948	1.8%	$771,207	$875,096	13.5%

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 (2008), Woodruff, et.al. (2006).

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NOTES

1 The choice of beginning 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 may appear as a random fluctuation with another set of points. This is especially true when the time periods are short. Caution is therefore warranted when trying to interpret any of the changes mentioned in this report.

2 The 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 (OERs). It believes that the PPP data "probably provide the best available starting point for comparisons of economic strength and well-being between counties" because the OER "method involves a variety of international and domestic financial forces that may not capture the value of domestic output" (CIA, 2008). However, while "PPP estimates for OECD [Organization of Economic Co-operation and Development] countries are quite reliable, PPP estimates for developing countries are often rough approximations" (CIA, 2008). (Not every country formally participates 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 UN International Comparison Program (UNICP) and by Professors Robert Summers and Alan Heston of the University of Pennsylvania and their colleagues" (CIA, 2008). See the CIA (2008) and OECD (2006) websites for a more technical and detailed discussion of the subjects.

3 Table A15 and the related graph illustrate the strong association between GDP and CBP employment concentration ratios (CRs) in 2006. The strength of these associations means that the CBP CRs *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 One possible exception is the collective production of other miscellaneous goods (3399) such as jewelry, games, sporting goods, office supplies, gaskets, packing and sealing devices, etc. (U.S. Bureau of the Census, 2008).

5 Seeing what has happened with durable goods manufacturers since 2000 – the overall peak of the last cycle – reveals how hard things have been for many of them since then. While some major industries saw their fortunes turn for the better beginning in 2002, others did not start expanding until later. See tables A5 and A9 for the details.

6 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, 2008). GDP data for the leather industry (316) are not available.

7 Although Ohio has 4.73 percent of the country's coal reserves, only 2.21 percent of the coal extracted in 2005 came from mines in Ohio. Ohio ranked 7th in the former and 9th in the latter (U.S. Bureau of the Census, 2007: tables 884 & 885).

8 "Credit intermediation" organizations include depository institutions – banks, savings and loans, and credit unions – as well as non-depository companies issuing credit cards or financing consumer purchases. "Activities related to credit intermediation" include bringing borrowers and lenders together for a fee, clearing check and credit card transactions, electronic transfers of funds, issuing travelers' checks and money orders, etc. (Office of Management and Budget, 1998).

9 This is due "in large part, to… an imputation for the rental value of owner-occupied housing. [The] BEA treats homeowners as businesses, which pay rent to themselves. Therefore, homeowners contribute to the real estate industry's GDP 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 real estate TOPI [taxes on production and imports]" (U.S. BEA, 2008). TOPI includes federal excise taxes, customs duties, state and local sales taxes, property taxes (including residential real estate), motor vehicle licenses, severance taxes, and special assessments.

10 Three points are relevant in understanding these figures: 1) the total percentage change for a multi-year period is not the arithmetic sum of the percentage changes for sub-sets of years within that period – such a practice mistakenly ignores the intrinsic compounding over the course of all years in the period; 2) the recession of 2001 was short and mild, making the annual figure for the country look only like slow growth for the year; and 3) the more recent the year, the more likely the figures for that year will be revised.

11 The charts cover 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.

12 Economic forecasts are often imprecise due to any number of factors. These include, but are not limited to: the impact of unforeseeable events, our incomplete understanding of the economy, lack of complete data, and assumptions about the economy that may not be entirely justified.

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