



**Department of
Development**

Policy Research and Strategic Planning Office
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A large graphic of the state of Ohio, composed of a grid of small, light gray circles. The circles are arranged to form the outline of the state, with some circles missing to create a dotted effect. A magnifying glass is positioned over the center of the map, focusing on the word "Ohio".

Gross Domestic Product from Ohio

January 2011

Ohio

GROSS DOMESTIC PRODUCT FROM OHIO

JANUARY 2011

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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 – the Gross Domestic Product (GDP) from Ohio.

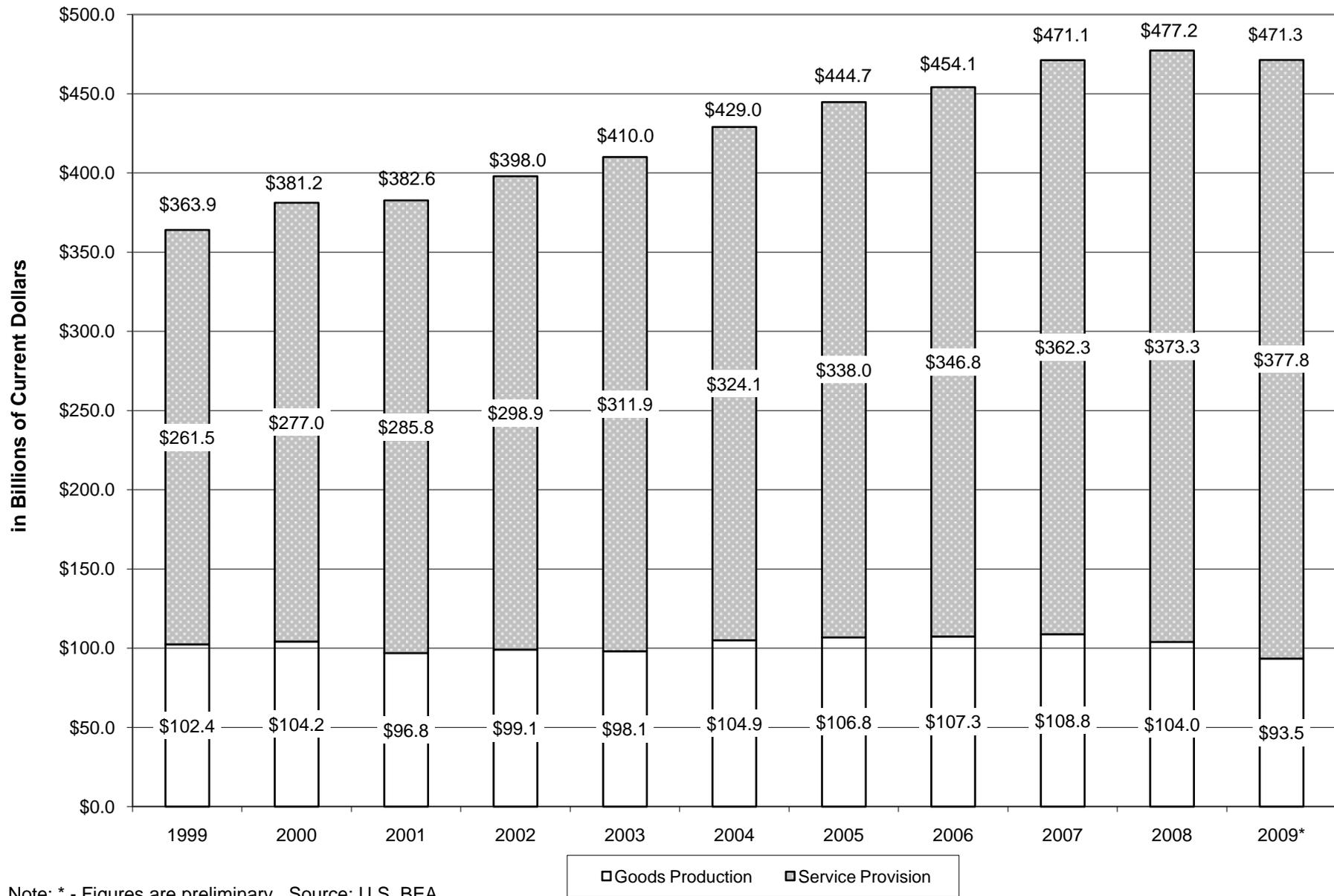
There are three major sections after this introduction and highlights. The first describes the composition of Ohio's economy, comparing it with other states and the national distribution of economic activity. The second focuses on output by sector and major industries within each sector, further probing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

The report details industry estimates, concentrating on 1999-2008, 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 2009. Both of the latter will be further revised when more information becomes available. Many figures in this report have been revised from the previous report based on the BEA's incorporation of data from 2007 Economic Census and subsequent Annual Surveys of Manufactures as well as state and local government finance data (produced by the Census Bureau), and routine revisions made by the BEA. See Coakley, et.al. (2009) and Woodruff, et.al. (2007) for more details. The U.S. Bureau of the Census, other federal agencies, and several private sector organizations developed additional statistics cited in this report.

HIGHLIGHTS

- Ohio's Gross Domestic Product for 2009 is initially estimated at \$471.3 billion, down 1.2 percent from the revised estimate of \$477.2 billion for 2008, and up 29.5 percent from 1999.
- Ohio is the 8th largest source for Gross Domestic Product among the 50 states and the District of Columbia, with 3.3 percent of the national total in 2009.
- 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 15.6 percent of total output in 2009; durable goods were 9.9 percent and non-durable goods were 5.7 percent.
- Ohio's manufacturing sector produced \$73.5 billion worth of goods – 4.7 percent of national sector production in 2009, 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 second in manufacturing primary and fabricated metal products, and third in producing motor vehicles and associated bodies, trailers, and parts.
- Service sectors concentrated in Ohio include the management of companies and enterprises (58 companies on For-tune magazine's list of the 1,000 largest U.S. corporations have their headquarters here), the provision of health care and social assistance, and transportation and warehousing.
- Sixty-two percent of the state's Gross Domestic Product is created in the three largest metropolitan areas: Cincinnati-Middletown, Cleveland-Elyria-Mentor, and Columbus.
- Akron has grown 12 percent since 2001, the fastest rate of metropolitan areas in Ohio.

Ohio's Gross Domestic Product, 1999-2009



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

GROSS DOMESTIC PRODUCT FROM OHIO: 1999-2009

The graph above shows that the value of goods and services produced in Ohio rose from \$363.9 to \$477.2 billion in the 1999-2008 period, but fell to \$471.3 billion in 2009. Goods production rose and fell twice, with the down-years being 2001, 2008 and 2009. This contrasts with the uninterrupted rise in the provision of services from \$261.5 to \$377.8 billion. Consequently, services became an even larger part of Ohio's economy, rising from 71.9 to 80.2 percent during this time (U.S. BEA, 2010).

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 21.2 percent in 1999 to 17.8 percent in 2009, and the complementary share of service providers rose from 78.8 to 82.2 percent (U.S. BEA, 2010). 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.

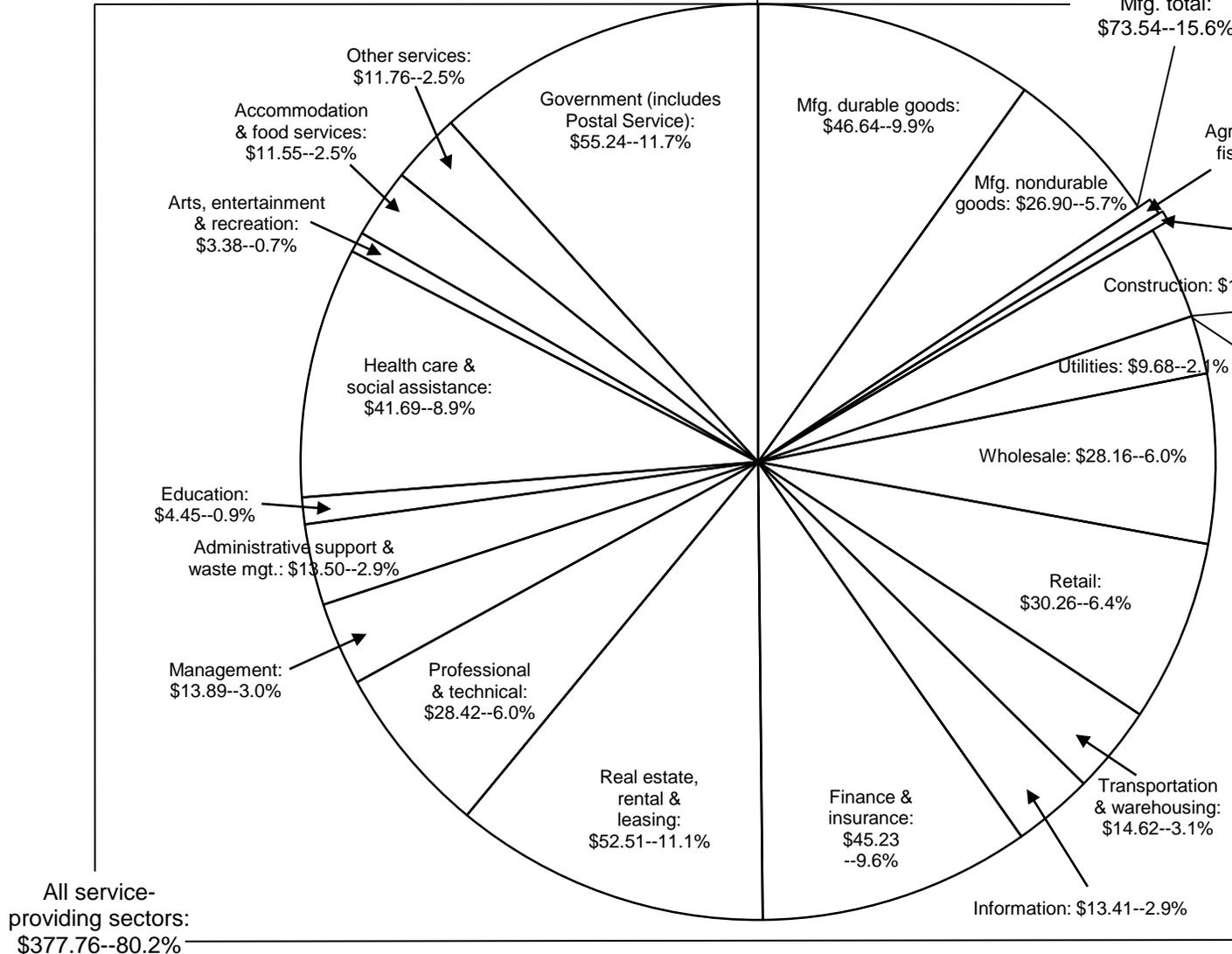
See Tables A1, A3, A4, A7 & A8

Ohio's Gross Domestic Product by Sector: Initial Figures for 2009

(in billions, except percentages)

Total: \$471.26--100.0%
Private sector: \$416.02--88.3%

All goods-producing sectors: \$93.50--19.8%



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

THE COMPOSITION OF OHIO'S ECONOMY IN 2009

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 \$471.26 billion in 2009 is divided into 20 sectors of varying sizes. (Durable and non-durable goods manufacturing are two parts of one sector).

Manufacturing is the largest single sector even in recession, with such establishments producing goods valued at \$73.54 billion that year, or 15.6 percent of the state's total economic output. Manufacturers are subdivided into producers of durable and non-durable goods, with the former producing significantly more than the latter: \$46.64 billion or 9.9 percent, compared with \$26.90 billion or 5.7 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: \$15.48 billion – 3.3 percent; agriculture, forestry, fishing and hunting: \$2.65 billion – 0.6 percent; and mining: \$1.83 billion – .4 percent. Goods production in the state totaled \$93.50 billion, or 19.8 percent of the total GDP from Ohio.

Services provided by public and private sectors in Ohio were \$377.76 billion, or 80.2 percent of its economy. Total private sector services (i.e., excluding government services) were \$322.52 billion, or 68.4 percent of the total. Real estate, rental and leasing is the largest private sector service with a value of \$52.51 billion, or 11.1 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. Finance-and-insurance is the next largest sector, contributing \$45.23 billion – 9.6 percent – to the economy, followed by health care and social assistance at \$41.69 billion and 8.9 percent. The only other private service sectors providing at least 5.0 percent of Ohio's economic output were wholesale and retail trade and professional-and-technical services, ranging from 6.0 to 6.4 percent. Other sectors played smaller roles. These include transportation-and-warehousing, information, the management of enterprises, administrative-support-and-waste-management, education, arts-entertainment-recreation, accommodation-and-food services, and the catch-all category of other services. Services provided by federal, state, and local governments amounted to 11.7 percent of the economy.

See Table A1

Gross Domestic Products for Metropolitan Areas in Ohio, 2008 (in millions, except percentages)

| Area | Private Sector* | | | | | | | | Government* | |
|------------------------------------|-----------------|------------------|---------|---------------|--------------------|-------------|---------|-------------|-------------|--|
| | Total | Goods-Producing* | | | Service-Providing* | | | Amount | Percent | |
| | | Amount | Percent | Manufacturing | | Amount | Percent | | | |
| | | | | Amount | Percent | | | | | |
| U.S. ^R | \$14,344,000 | \$2,779,339 | 19.4% | \$1,669,640 | 11.6% | \$9,808,675 | 68.4% | \$1,755,930 | 12.2% | |
| Ohio ^R | \$477,245 | \$103,962 | 21.8% | \$82,065 | 17.2% | \$319,815 | 67.0% | \$53,468 | 11.2% | |
| Akron, OH | \$28,052 | \$6,140 | 21.9% | \$5,018 | 17.9% | \$18,811 | 67.1% | \$3,101 | 11.1% | |
| Canton-Massillon, OH | \$13,125 | \$4,045 | 30.8% | \$3,106 | 23.7% | \$7,822 | 59.6% | \$1,258 | 9.6% | |
| Cincinnati-Middletown, OH-KY-IN | \$98,750 | \$20,123 | 20.4% | D | D | \$69,555 | 70.4% | \$9,072 | 9.2% | |
| Cleveland-Elyria-Mentor, OH | \$104,425 | \$21,512 | 20.6% | \$17,502 | 16.8% | \$72,293 | 69.2% | \$10,620 | 10.2% | |
| Columbus, OH | \$89,829 | \$12,546 | 14.0% | \$9,212 | 10.3% | \$66,094 | 73.6% | \$11,189 | 12.5% | |
| Dayton, OH | \$33,778 | \$6,203 | 18.4% | \$5,100 | 15.1% | \$21,781 | 64.5% | \$5,794 | 17.2% | |
| Huntington-Ashland, WV-KY-OH | \$9,408 | \$2,336 | 24.8% | \$1,639 | 17.4% | \$5,710 | 60.7% | \$1,362 | 14.5% | |
| Lima, OH | \$4,165 | \$1,452 | 34.9% | \$1,287 | 30.9% | \$2,288 | 54.9% | \$425 | 10.2% | |
| Mansfield, OH | \$3,805 | D | D | \$1,029 | 27.0% | D | D | \$531 | 14.0% | |
| Parkersburg-Marietta-Vienna, WV-OH | \$5,682 | \$1,675 | 29.5% | D | D | \$3,214 | 56.6% | \$792 | 13.9% | |
| Sandusky, OH | \$2,979 | \$843 | 28.3% | \$750 | 25.2% | \$1,791 | 60.1% | \$345 | 11.6% | |
| Springfield, OH | \$3,529 | \$828 | 23.5% | \$660 | 18.7% | \$2,243 | 63.6% | \$457 | 12.9% | |
| Toledo, OH | \$26,106 | D | D | \$5,235 | 20.1% | D | D | \$3,191 | 12.2% | |
| Weirton-Steubenville, WV-OH | \$3,692 | \$1,095 | 29.7% | \$850 | 23.0% | \$2,229 | 60.4% | \$367 | 9.9% | |
| Wheeling, WV-OH | \$5,019 | \$1,226 | 24.4% | \$580 | 11.6% | \$3,164 | 63.0% | \$629 | 12.5% | |
| Youngstown-Warren-Boardman, OH-PA | \$17,092 | \$4,684 | 27.4% | \$3,821 | 22.4% | \$10,475 | 61.3% | \$1,933 | 11.3% | |

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

Source: U.S. BEA (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

THE DISTRIBUTION OF GROSS DOMESTIC PRODUCTS IN METROPOLITAN AREAS, 2008

The U.S. BEA publishes GDP data for metropolitan areas. The table above shows the GDP for the 16 metropolitan areas wholly or partially in Ohio. Cleveland-Elyria-Mentor is the largest in the state, followed by Cincinnati-Middletown – including the portions in Kentucky and Indiana, and Columbus. The three are by far the largest, and combine to produce a value equal to 62 percent of Ohio's GDP. Other metropolitan areas contributing at least \$10 billion to Ohio's GDP include, in descending order, Dayton, Akron, Toledo, and Youngstown-Warren-Boardman – including the portion in Pennsylvania, and Canton-Massillon.

The table above also displays the amounts and percentages of GDP derived from the private sector goods-producing and service-providing subdivisions, as well as the government sector. (Private sector data occasionally are suppressed to maintain confidentiality.) Two phenomena seem notable in this regard. First, Cleveland, Cincinnati, and Columbus are the three largest goods-producing metropolitan areas in the state. Second, their portions of GDP derived from goods-production are less than the state average. In the case of Cincinnati and Cleveland, the portions are closer to the national average of 19.1 percent than they are to the state average of 22.5 percent. Columbus is the only metropolitan area in Ohio whose portion of GDP from goods-production is less than the national average.

On the other hand, goods-production plays a much more prominent role in many of Ohio's smaller metropolitan areas. This is especially true of manufacturing. Metropolitan areas in which manufacturing contributes at least 20 percent of GDP include Canton-Massillon, 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, and Springfield.

Federal, state and local government contributions to the metropolitan areas' GDP ranged from 9.2 percent in Cincinnati to 17.2 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, 2009 | | | Totals, 2009 | | | Manufacturing, 2009 | | | Durable Goods, 2009 | | |
|-----------------|----------------|--------------------|----------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|--------------------|--------------------|
| 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. |
| | | | U.S. | \$14,150.8 | 100.00% | U.S. | \$1,568.6 | 100.00% | U.S. | \$846.8 | 100.00% |
| 1 | United States | \$14,120.0 | California | \$1,891.4 | 13.37% | California | \$218.6 | 13.93% | California | \$107.1 | 12.65% |
| 2 | China | \$8,818.0 | Texas | \$1,144.7 | 8.09% | Texas | \$144.7 | 9.22% | Texas | \$70.7 | 8.34% |
| 3 | Japan | \$4,149.0 | New York | \$1,093.2 | 7.73% | Ohio | \$73.5 | 4.69% | Ohio | \$46.6 | 5.51% |
| 4 | India | \$3,680.0 | Florida | \$737.0 | 5.21% | North Carolina | \$72.4 | 4.61% | Michigan | \$39.1 | 4.61% |
| 5 | Germany | \$2,815.0 | Illinois | \$630.4 | 4.45% | Illinois | \$68.9 | 4.39% | Illinois | \$38.9 | 4.59% |
| 6 | United Kingdom | \$2,123.0 | Pennsylvania | \$554.8 | 3.92% | Pennsylvania | \$68.1 | 4.34% | Indiana | \$36.1 | 4.26% |
| 7 | Russia | \$2,116.0 | New Jersey | \$483.0 | 3.41% | Indiana | \$64.9 | 4.14% | Pennsylvania | \$35.9 | 4.24% |
| 8 | France | \$2,094.0 | Ohio | \$471.3 | 3.33% | New York | \$58.5 | 3.73% | Washington | \$29.0 | 3.42% |
| 9 | Brazil | \$2,010.0 | Virginia | \$408.4 | 2.89% | Michigan | \$53.0 | 3.38% | New York | \$28.6 | 3.38% |
| 10 | Italy | \$1,737.0 | North Carolina | \$398.0 | 2.81% | Wisconsin | \$42.3 | 2.70% | North Carolina | \$27.8 | 3.28% |
| 11 | Mexico | \$1,463.0 | Georgia | \$395.2 | 2.79% | Louisiana | \$41.1 | 2.62% | Oregon | \$26.1 | 3.09% |
| 12 | S. Korea | \$1,362.0 | Michigan | \$368.4 | 2.60% | Georgia | \$40.1 | 2.55% | Wisconsin | \$25.1 | 2.97% |
| 13 | Spain | \$1,359.0 | Massachusetts | \$365.2 | 2.58% | New Jersey | \$38.6 | 2.46% | Florida | \$24.0 | 2.84% |
| 14 | Canada | \$1,277.0 | Washington | \$338.3 | 2.39% | Washington | \$38.1 | 2.43% | Massachusetts | \$22.7 | 2.68% |
| 15 | Indonesia | \$960.2 | Maryland | \$286.8 | 2.03% | Florida | \$36.1 | 2.30% | Tennessee | \$20.0 | 2.36% |
| 16 | Turkey | \$879.9 | Indiana | \$262.6 | 1.86% | Tennessee | \$34.9 | 2.22% | Minnesota | \$19.0 | 2.25% |
| 17 | Australia | \$848.4 | Minnesota | \$260.7 | 1.84% | Massachusetts | \$32.4 | 2.07% | Georgia | \$17.0 | 2.00% |
| 18 | Iran | \$825.9 | Arizona | \$256.4 | 1.81% | Minnesota | \$31.6 | 2.01% | Alabama | \$16.4 | 1.93% |
| 19 | Taiwan | \$734.3 | Colorado | \$252.7 | 1.79% | Virginia | \$30.9 | 1.97% | Arizona | \$16.1 | 1.90% |
| 20 | Poland | \$688.3 | Tennessee | \$244.5 | 1.73% | Oregon | \$30.4 | 1.94% | Connecticut | \$15.3 | 1.81% |
| 21 | Netherlands | \$659.1 | Wisconsin | \$244.4 | 1.73% | Missouri | \$27.9 | 1.78% | Missouri | \$14.4 | 1.70% |
| 22 | Saudi Arabia | \$590.9 | Missouri | \$239.8 | 1.69% | Alabama | \$26.8 | 1.71% | Virginia | \$13.7 | 1.62% |
| 23 | Argentina | \$568.2 | Connecticut | \$227.4 | 1.61% | Connecticut | \$26.0 | 1.66% | South Carolina | \$13.6 | 1.60% |
| 24 | Thailand | \$539.3 | Louisiana | \$208.4 | 1.47% | Kentucky | \$25.4 | 1.62% | Kentucky | \$13.1 | 1.55% |
| 25 | S. Africa | \$504.6 | Alabama | \$169.9 | 1.20% | South Carolina | \$24.1 | 1.54% | New Jersey | \$13.0 | 1.54% |
| 26 | Ohio | \$471.3 | Oregon | \$165.6 | 1.17% | Iowa | \$23.8 | 1.52% | Iowa | \$11.8 | 1.39% |
| 27 | Egypt | \$468.7 | South Carolina | \$159.6 | 1.13% | Arizona | \$19.9 | 1.27% | Colorado | \$10.3 | 1.22% |
| 28 | Pakistan | \$432.9 | Kentucky | \$156.6 | 1.11% | Colorado | \$17.6 | 1.12% | Kansas | \$9.9 | 1.17% |
| 29 | Columbia | \$407.5 | Oklahoma | \$153.8 | 1.09% | Oklahoma | \$17.4 | 1.11% | Oklahoma | \$9.0 | 1.07% |
| 30 | Belgium | \$383.0 | Iowa | \$142.3 | 1.01% | Kansas | \$16.8 | 1.07% | Utah | \$8.9 | 1.05% |

Notes: * - Purchasing Power Parity basis, except Ohio; source for 2009 estimates except Ohio is the CIA (2010); source for Ohio is U.S. BEA (2010);
 ^ - preliminary; source is U.S. BEA (2010).

Sources: CIA (2010), U.S. BEA (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 11/10).

OHIO'S RANK AMONG THE STATES AND THE WORLD

If Ohio was a separate country, it would have the 26th largest economy in the world. The U.S. BEA's (2010) preliminary estimate of \$471.3 billion for 2009 places Ohio between the Union of South Africa (\$504.6 billion) and Egypt (\$468.7 billion). Ohio's rank between these two countries reflects the size of their (2010) populations – about 49,109,000 and 80,472,000, respectively, vs. 11,543,000 (2009) – as well as their levels of economic development (CIA, 2010; U.S. Bureau of the Census, 2009b).²

The table above also shows that Ohio ranked 8th in America with 3.33 percent of U.S. GDP. This 8th rank is not, however, uniformly characteristic of every aspect of Ohio's economy. Most notably, Ohio was the 3rd greatest source of manufactured goods in America during 2009. The \$73.5 billion output was 4.69 percent of the corresponding national total. Ohio also ranked 3rd in durable goods production with \$46.6 billion, or 5.51 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 2008. They include electrical equipment and appliances (almost \$4.0 billion, 7.92 percent of the national total, making Ohio the largest source in the country), plastic and rubber products (nearly \$5.0 billion, 7.44 percent, also ranked 1st), as well as primary and fabricated metal production (both ranked 2nd at \$6.4 and \$12.2 billion, and 10.93 and 9.01 percent, respectively). Other manufacturing industries with comparatively large contributions to Ohio's total economic output include the production of motor vehicles, bodies, trailers, and parts (\$10.6 billion, 11.93 percent, ranked 3rd), nonmetallic mineral products (\$2.3 billion, 5.77 percent, 5th), machinery (close to \$6.9 billion, 5.54 percent, 4th), printing and related support activities (\$1.7 billion, 4.64 percent, 8th), other transportation equipment (\$4.0 billion, 4.26 percent, 7th), furniture and related products (\$1.2 billion, 4.13 percent, 7th), food products (close to \$7.7 billion, 4.05 percent, 7th), chemicals (close to \$8.5 billion, 3.98 percent, 9th), and paper (roughly \$2.4 billion, 3.95 percent, 8th).

The table also shows three service-providing industries making large contributions to Ohio's 8th overall rank in 2008: warehousing and storage (\$2.3 billion, 5.75 percent, 5th), the management of companies and enterprises (\$14.4 billion, 5.53 percent, 5th), and truck transportation (\$6.2 billion, 4.95 percent, 4th). (2009 data for major industries are not yet available.)

Ohio and U.S. Gross Domestic Products by Industry, 2008 (in millions of current dollars, except percentages, concentration ratios, and ranks)

| 1997 NAICS Codes | Industry Titles | GDP | | Ohio as a Percent of the U.S. | Ohio::U.S. Concentra- tion Ratio | Ohio's Rank | Top Five States |
|------------------------|--|-----------|--------------|-------------------------------------|--|----------------|----------------------------|
| | | Ohio | U.S. | | | | |
| 11-92 | All Industries | \$477,245 | \$14,344,000 | 3.33% | 1.00 | 8 | CA, TX, NY, FL, IL |
| 11-81 | Private industries | \$423,777 | \$12,588,000 | 3.37% | 1.01 | 8 | CA, TX, NY, FL, IL |
| 11 | Agriculture, forestry, fishing & hunting | \$3,205 | \$163,191 | 1.96% | 0.59 | 19 | CA, IA, TX, WA, IL |
| 111-112 | Crop & animal production (farms) | \$2,892 | \$132,076 | 2.19% | 0.66 | 19 | CA, IA, IL, MN, TX |
| 113-115 | Forestry, fishing & related activities | \$314 | \$31,115 | 1.01% | 0.30 | 30 | CA, WA, FL, OR, TX |
| 21 | Mining | \$2,258 | \$307,186 | 0.74% | 0.22 | 18 | TX, LA, CA, OK, AK |
| 211 | Oil & gas extraction | \$804 | \$203,751 | 0.39% | 0.12 | 14 | TX, LA, CA, OK, AK |
| 212 | Mining, exc. oil & gas | \$940 | \$48,784 | 1.93% | 0.58 | 19 | WV, AZ, KY, WY, NV |
| 213 | Support activities for mining | \$515 | \$54,650 | 0.94% | 0.28 | 15 | TX, LA, OK, CO, WY |
| 22 | Utilities | \$9,213 | \$255,205 | 3.61% | 1.09 | 7 | CA, TX, NY, FL, IL |
| 23 | Construction | \$16,434 | \$639,322 | 2.57% | 0.77 | 13 | CA, TX, FL, NY, IL |
| 31-33 | Manufacturing | \$82,065 | \$1,669,640 | 4.92% | 1.48 | 3 | CA, TX, OH , NC, IL |
| 32p & 33 | Durable goods | \$53,944 | \$923,389 | 5.84% | 1.76 | 3 | CA, TX, OH , MI, IL |
| 321 | Wood products | \$918 | \$26,768 | 3.43% | 1.03 | 11 | CA, OR, TX, NC, PA |
| 327 | Nonmetallic mineral products | \$2,338 | \$40,511 | 5.77% | 1.73 | 5 | TX, CA, FL, PA, OH |
| 331 | Primary metals | \$6,396 | \$58,509 | 10.93% | 3.29 | 2 | IN, OH , PA, AL, TX |
| 332 | Fabricated metal products | \$12,224 | \$135,665 | 9.01% | 2.71 | 2 | TX, OH , CA, IL, PA |
| 333 | Machinery | \$6,872 | \$123,983 | 5.54% | 1.67 | 4 | IL, TX, CA, OH , WI |
| 334 | Computer & electronic products | \$3,238 | \$195,218 | 1.66% | 0.50 | 16 | CA, TX, OR, MA, NC |
| 335 | Electrical equipment & appliances | \$3,982 | \$50,275 | 7.92% | 2.38 | 1 | OH , CA, IL, NC, WI |
| 336 | Transportation equipment | \$14,622 | \$183,026 | 7.99% | 2.40 | 4 | MI, WA, CA, OH , IN |
| 3361-3363 | Motor vehicles, bodies, trailers & parts | \$10,622 | \$89,034 | 11.93% | 3.59 | 3 | MI, IN, OH , KY, TX |
| 3364-3369 | Other transportation equipment | \$4,000 | \$93,992 | 4.26% | 1.28 | 7 | WA, CA, TX, KS, CT |
| 337 | Furniture & related products | \$1,248 | \$30,195 | 4.13% | 1.24 | 7 | MI, CA, NC, TX, IL |
| 339 | Miscellaneous mfg. | \$2,105 | \$79,240 | 2.66% | 0.80 | 12 | CA, IN, NY, IL, FL |
| 31 & 32p | Nondurable goods (leather & allied products not shown) | \$28,122 | \$746,248 | 3.77% | 1.13 | 9 | CA, TX, NC, LA, PA |
| 311-312 | Food products | \$7,684 | \$189,523 | 4.05% | 1.22 | 7 | NC, CA, TX, IL, VA |
| 313-314 | Textile & textile product mills | \$347 | \$16,882 | 2.06% | 0.62 | 13 | GA, NC, SC, CA, NY |
| 315 | Apparel | \$237 | \$14,227 | 1.67% | 0.50 | 14 | CA, NY, NC, TX, AL |
| 322 | Paper | \$2,361 | \$59,725 | 3.95% | 1.19 | 8 | WI, PA, GA, SC, AL |
| 323 | Printing & related support activities | \$1,723 | \$37,141 | 4.64% | 1.39 | 8 | CA, IL, WI, PA, NY |
| 324 | Petroleum & coal products | \$2,332 | \$149,247 | 1.56% | 0.47 | 12 | CA, TX, LA, NJ, IL |
| 325 | Chemical | \$8,475 | \$212,805 | 3.98% | 1.20 | 9 | TX, CA, IN, NC, NY |
| 326 | Plastics & rubber products | \$4,964 | \$66,699 | 7.44% | 2.24 | 1 | OH , CA, TX, IL, PA |
| 42 | Wholesale trade | \$29,245 | \$821,029 | 3.56% | 1.07 | 9 | CA, TX, NY, FL, IL |
| 44-45 | Retail trade | \$30,825 | \$865,962 | 3.56% | 1.07 | 7 | CA, TX, FL, NY, IL |

Ohio and U.S. Gross Domestic Products by Industry, 2008 (in millions of current dollars, except percentages, concentration ratios, and ranks)

| 1997 NAICS Codes | Industry Titles | GDP | | Ohio as a Percent of the U.S. | Ohio::U.S. Concentra- tion Ratio | Ohio's Rank | Top Five States |
|------------------------|---|----------|-------------|-------------------------------------|--|----------------|--------------------|
| | | Ohio | U.S. | | | | |
| 48-49 (exc. 491) | Transportation & warehousing, exc. Postal Service | \$15,566 | \$405,370 | 3.84% | 1.15 | 7 | CA, TX, IL, FL, NY |
| 481 | Air transportation | \$1,573 | \$57,309 | 2.74% | 0.82 | 12 | TX, CA, GA, IL, FL |
| 482 | Rail transportation | \$1,148 | \$32,105 | 3.58% | 1.07 | 7 | NE, TX, IL, KS, MO |
| 483 | Water transportation | \$121 | \$14,118 | 0.86% | 0.26 | 24 | FL, LA, NY, TX, CA |
| 484 | Truck transportation | \$6,214 | \$125,592 | 4.95% | 1.49 | 4 | CA, TX, IL, OH, PA |
| 485 | Transit & ground passenger transportation | \$360 | \$23,153 | 1.55% | 0.47 | 21 | NY, CA, NJ, IL, TX |
| 486 | Pipeline transportation | \$153 | \$13,685 | 1.12% | 0.34 | 13 | TX, AK, CA, OK, PA |
| 487, 488, 492 | Other transportation & support activities | \$3,658 | \$98,728 | 3.71% | 1.11 | 8 | CA, TX, FL, NY, TN |
| 493 | Warehousing & storage | \$2,338 | \$40,678 | 5.75% | 1.73 | 5 | CA, PA, TX, IL, OH |
| 51 | Information | \$13,240 | \$622,502 | 2.13% | 0.64 | 13 | CA, NY, TX, FL, WA |
| 511 | Publishing including software | \$4,302 | \$145,510 | 2.96% | 0.89 | 11 | CA, NY, WA, MA, TX |
| 512 | Motion picture & sound recording industries | \$310 | \$61,099 | 0.51% | 0.15 | 19 | CA, NY, TX, FL, TN |
| 513 | Broadcasting & telecommunications | \$7,594 | \$344,634 | 2.20% | 0.66 | 12 | CA, NY, TX, FL, GA |
| 514 | Information & data processing services | \$1,034 | \$71,258 | 1.45% | 0.44 | 17 | CA, TX, NY, FL, VA |
| 52 | Finance & insurance | \$42,500 | \$1,199,960 | 3.54% | 1.06 | 8 | NY, CA, TX, IL, FL |
| 521-522 | Federal Reserve banks, credit intermediation & related services | \$20,413 | \$486,280 | 4.20% | 1.26 | 7 | NY, CA, TX, NC, FL |
| 523 | Securities, commodity contracts, investments | \$2,127 | \$196,069 | 1.08% | 0.33 | 15 | NY, CA, IL, MA, NJ |
| 524 | Insurance carriers & related activities | \$19,451 | \$463,986 | 4.19% | 1.26 | 8 | NY, CA, IL, TX, CT |
| 525 | Funds, trusts & other financial vehicles | \$508 | \$53,628 | 0.95% | 0.28 | 22 | NY, CA, PA, TX, CT |
| 53 | Real estate, rental & leasing | \$50,765 | \$1,842,490 | 2.76% | 0.83 | 10 | CA, NY, FL, TX, NJ |
| 531 | Real estate | \$45,107 | \$1,646,990 | 2.74% | 0.82 | 10 | CA, NY, FL, TX, IL |
| 532-533 | Rental & leasing services & lessors of intangible assets | \$5,658 | \$195,507 | 2.89% | 0.87 | 9 | CA, TX, NJ, FL, IL |
| 54 | Professional & technical services | \$28,251 | \$1,070,570 | 2.64% | 0.79 | 13 | CA, NY, TX, IL, FL |
| 5411 | Legal services | \$4,794 | \$209,579 | 2.29% | 0.69 | 11 | NY, CA, FL, TX, IL |
| 5415 | Computer systems design & related services | \$5,325 | \$169,652 | 3.14% | 0.94 | 12 | CA, VA, TX, NY, NJ |
| 5412-5414, 5416-5419 | Other professional, scientific & technical services | \$18,132 | \$691,344 | 2.62% | 0.79 | 12 | CA, NY, TX, IL, FL |
| 55 | Management of companies & enterprises | \$14,421 | \$260,634 | 5.53% | 1.66 | 5 | CA, NY, IL, PA, OH |
| 56 | Administrative & waste services | \$14,523 | \$416,683 | 3.49% | 1.05 | 7 | CA, TX, FL, NY, IL |
| 561 | Administrative & support services | \$13,078 | \$375,881 | 3.48% | 1.05 | 7 | CA, TX, FL, NY, IL |
| 562 | Waste management & remediation services | \$1,445 | \$40,803 | 3.54% | 1.06 | 9 | CA, TX, NY, WA, FL |
| 61 | Educational services | \$4,270 | \$145,887 | 2.93% | 0.88 | 9 | NY, CA, PA, MA, IL |
| 62 | Health care & social assistance | \$40,092 | \$991,454 | 4.04% | 1.22 | 7 | CA, NY, TX, FL, PA |
| 621 | Ambulatory health care services | \$17,912 | \$485,922 | 3.69% | 1.11 | 7 | CA, TX, NY, FL, PA |
| 622-623 | Hospitals & nursing & residential care facilities | \$19,329 | \$419,246 | 4.61% | 1.39 | 7 | CA, NY, PA, TX, FL |
| 624 | Social assistance | \$2,851 | \$86,286 | 3.30% | 0.99 | 8 | NY, CA, PA, TX, FL |

Ohio and U.S. Gross Domestic Products by Industry, 2008 (in millions of current dollars, except percentages, concentration ratios, and ranks)

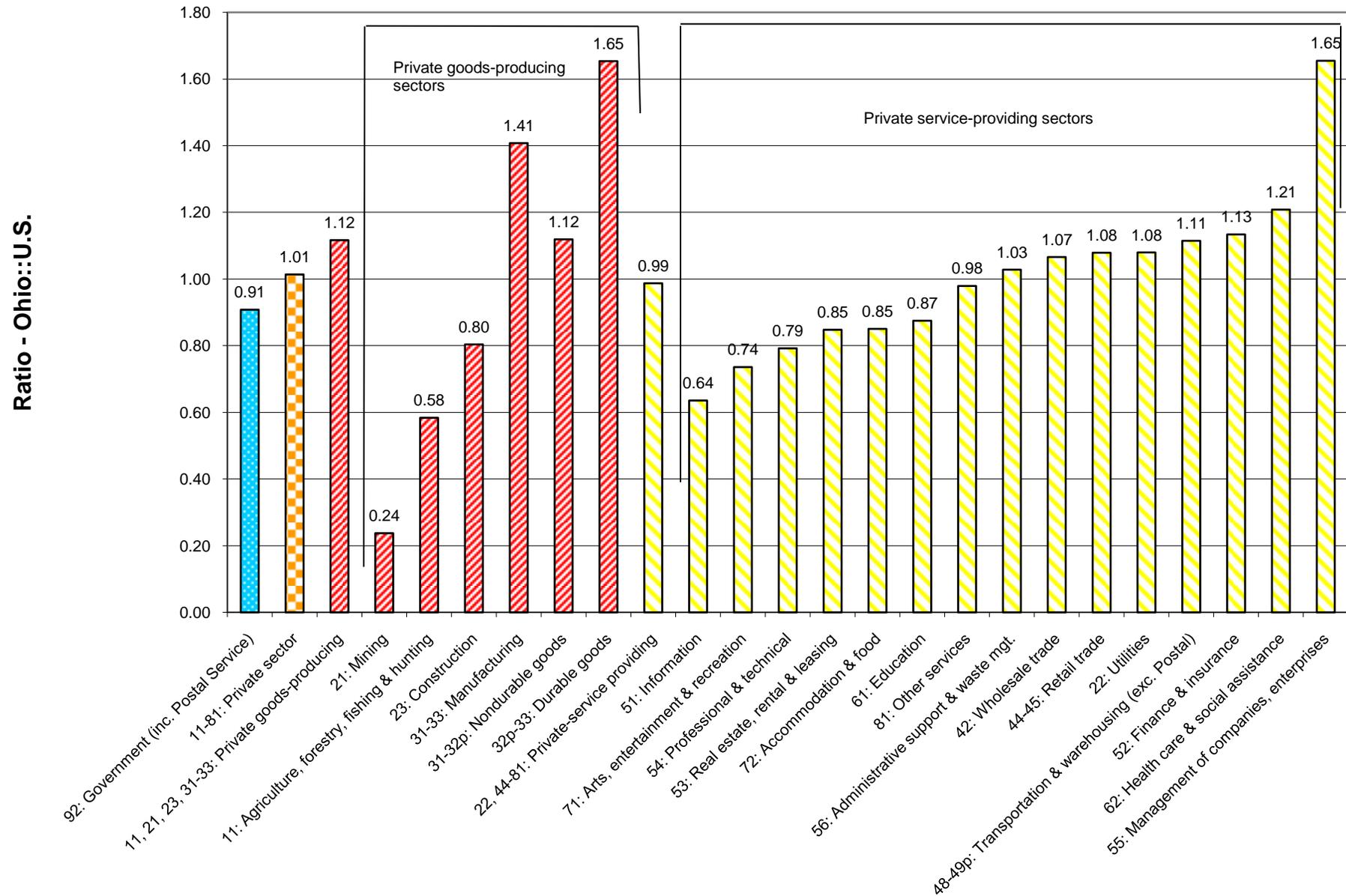
| 1997 NAICS Codes | Industry Titles | GDP | | Ohio as a Percent of the U.S. | Ohio::U.S. Concentra- tion Ratio | Ohio's Rank | Top Five States |
|------------------------|---|----------|-------------|-------------------------------------|--|----------------|--------------------|
| | | Ohio | U.S. | | | | |
| 71 | Arts, entertainment & recreation | \$3,399 | \$138,031 | 2.46% | 0.74 | 9 | CA, NY, FL, TX, IL |
| 711-712 | Performing arts, museums & related activities | \$1,811 | \$74,886 | 2.42% | 0.73 | 9 | CA, NY, FL, TX, IL |
| 713 | Amusements, gambling & recreation | \$1,588 | \$63,145 | 2.51% | 0.76 | 12 | CA, FL, NY, TX, PA |
| 72 | Accommodation & food services | \$11,507 | \$407,421 | 2.82% | 0.85 | 9 | CA, TX, FL, NY, NV |
| 721 | Accommodation | \$1,770 | \$119,082 | 1.49% | 0.45 | 20 | NV, CA, FL, NY, TX |
| 722 | Food services & drinking places | \$9,737 | \$288,339 | 3.38% | 1.01 | 6 | CA, TX, FL, NY, IL |
| 81 | Other services, exc. government | \$11,998 | \$365,477 | 3.28% | 0.99 | 7 | CA, TX, NY, FL, IL |
| 92 | Government | \$53,468 | \$1,755,930 | 3.04% | 0.92 | 10 | CA, TX, NY, FL, VA |
| 92a & 92b | Federal government | \$10,475 | \$480,991 | 2.18% | 0.65 | 13 | CA, VA, TX, DC, MD |
| 92a | Civilian (inc. Postal Service) | \$8,112 | \$304,336 | 2.67% | 0.80 | 11 | DC, CA, VA, MD, TX |
| 92b | Military | \$2,363 | \$176,655 | 1.34% | 0.40 | 22 | CA, VA, TX, NC, GA |
| 92c | State & local | \$42,993 | \$1,274,940 | 3.37% | 1.01 | 7 | CA, NY, TX, FL, IL |

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

Sources: U.S. Bureau of Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Phone 614/466-2116 (DL, 11/10).

The Relative Concentration of U.S. Economic Activity in Ohio, 2009



Source: U.S. BEA

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

A previous section showed the distribution of economic activity in Ohio across sectors of the economy. For example, manufacturing was the largest sector in Ohio at 15.60 percent of GDP in 2009, while mining was the smallest at 0.39 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 11.08 and 2.30 percent, respectively, of U.S. GDP in 2009. When compared with those for Ohio, these yield ratios of 1.41 for manufacturing (15.60 percent divided by 11.08 percent) and .24 for mining (0.39 percent divided by 1.63 percent). There are two ways to express the meanings of these figures. One way is to say that Ohio's economy is *relatively* more dependent on manufacturing and less dependent on mining than the American economy. The other way is to note that manufacturing in America is concentrated in Ohio, while mining is not. (A ratio of 1.00 indicates proportional activity, neither concentrated nor sparse.)

The concentration of one sector or industry here means that another must be relatively sparse. In this sense, Ohio's economy is characterized in broad terms by the graph above. It is driven a bit more by private sector activity than by government activity, as evidenced by the concentration ratios of 1.01 and .91, respectively. Although goods-production is concentrated in the state (1.12), this reflects the concentration of manufacturing activity here (1.41), particularly durable goods production (1.65). Non-durable goods production is also concentrated in Ohio (1.12). On the other hand, mining, agriculture-forestry-fishing-hunting, and construction activity (.24, .58, and .80, respectively) are more or less sparse.

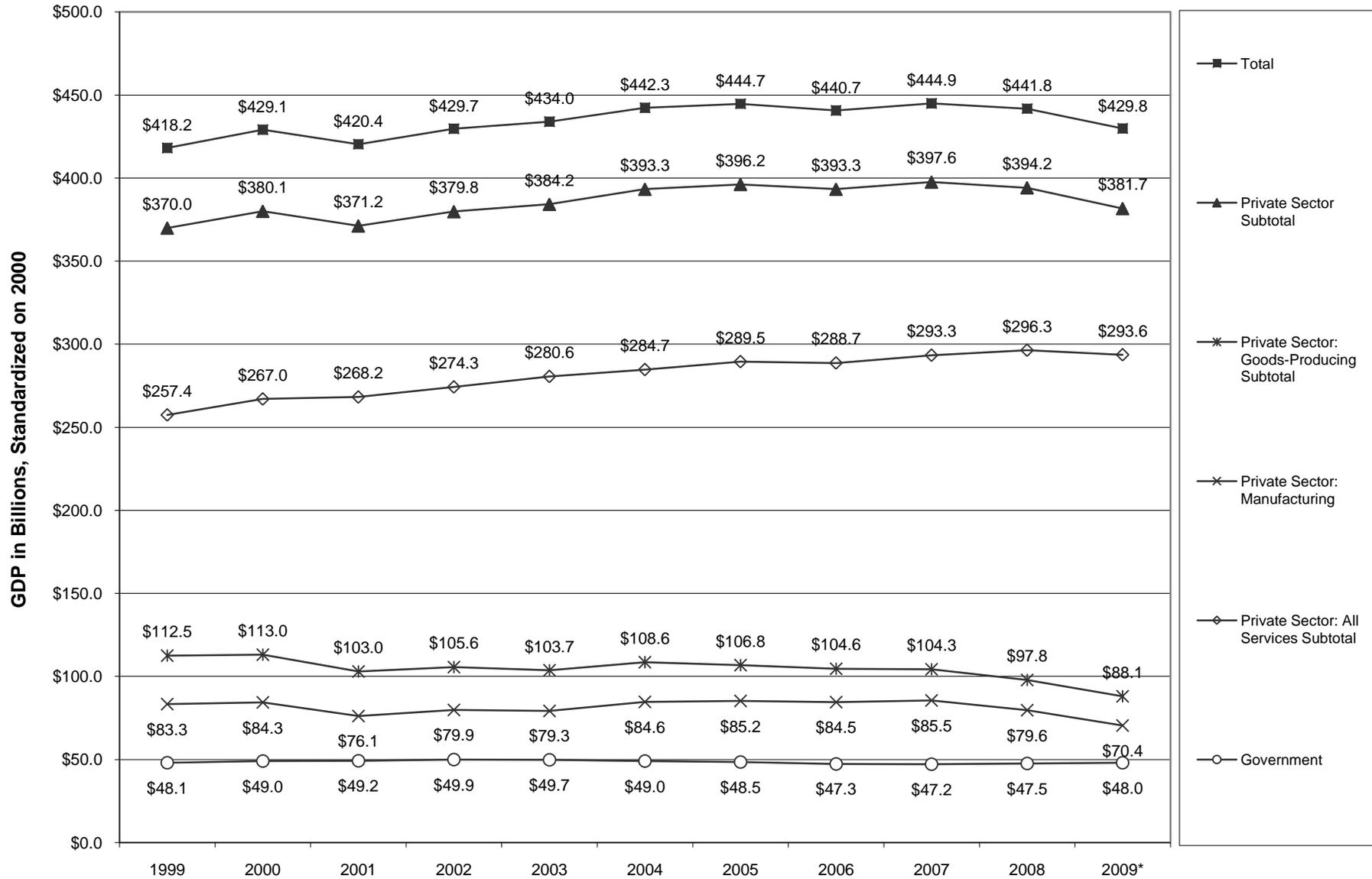
The preceding section showed that service-providing industries collectively account for most economic activity in Ohio (80.16 percent with government, 68.44 percent without); yet the graph above shows that, as a whole, their contribution to the GDP from Ohio is essentially proportional with that of the nation (.99). However, this generalization masks considerable variability. The most notable departure is the concentration of company and enterprise management (1.65). The provision of health care and social assistance (1.21) also is concentrated in Ohio. To a lesser extent so are finance and insurance as well as transportation and warehousing (1.13 and 1.11, respectively). Other services provided in Ohio that are roughly proportional with the nation distribution include utilities, wholesale and retail trade, administrative support-waste management, and other non-governmental services specified in NAICS 81.

See Table A1

RECENT CHANGES IN OHIO'S ECONOMY

Changes in Ohio's Economic Output, 1999-2009

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 comparisons between years of the *volumes* of goods produced and services provided. Overall, the GDP figures, standardized on the year 2005 and displayed above, show real growth in the output of goods and services in Ohio from 1999 through 2007 (\$418.2 billion to \$444.9 billion), with the exceptions of 2001 and 2006 when output dipped slightly. The declining figures in 2008 and 2009 define the recession and indicate that most of the growth from 2001 through 2007 has been wiped out. The net change in Ohio in real output from 1999 through 2009 was 2.8 percent. This overall pattern reflects the changes in the private sector, with net growth of 3.2 percent. By contrast, government services changed little from year to year, with figures for 1999 and 2009 nearly the same – about \$48 billion.

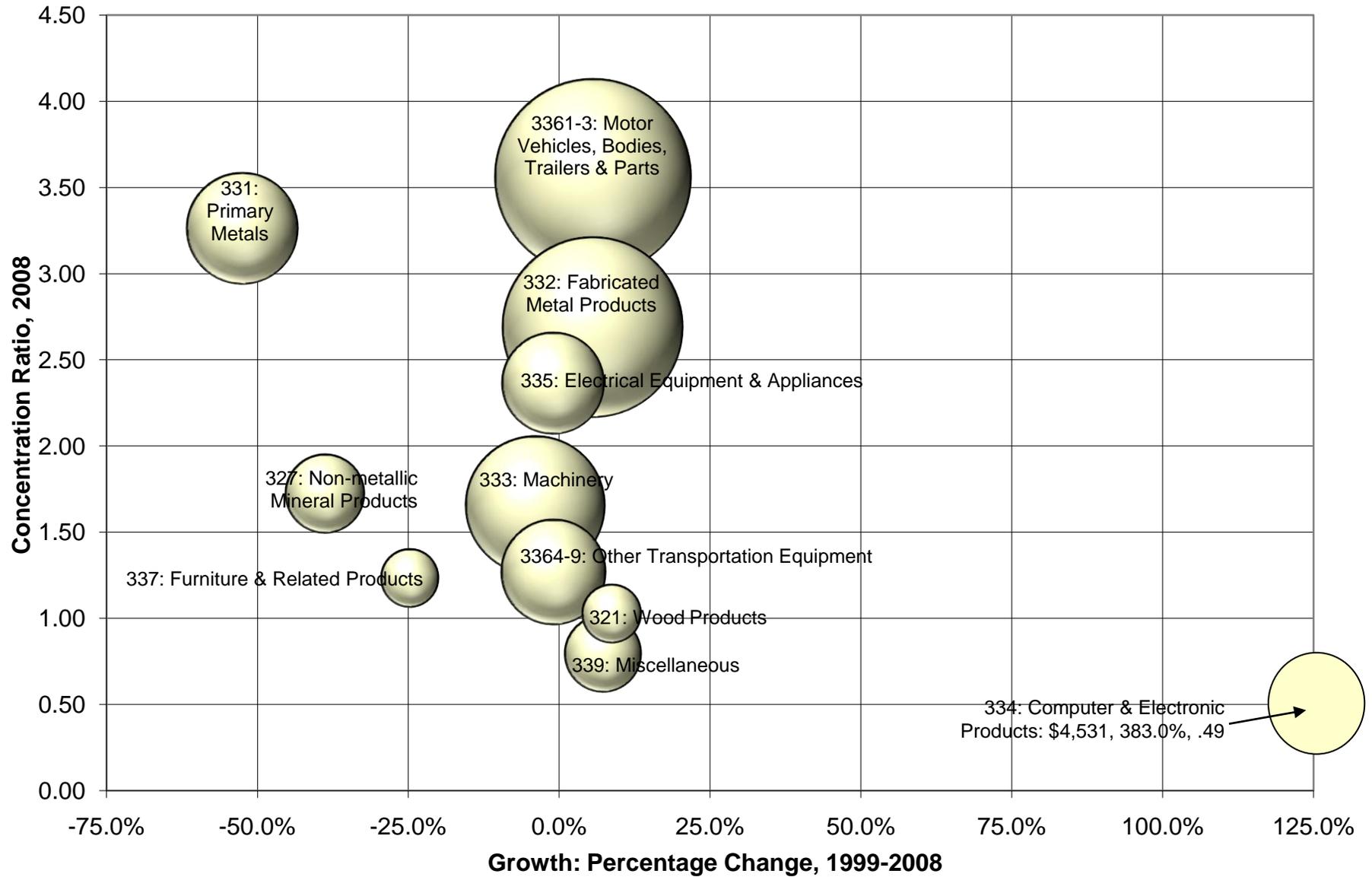
The chart above further specifies where changes occurred in the private sector. The collective output of goods producers for the years covered was greatest in 2000 at \$113 billion. It fell to \$103 billion in 2001, recovered to \$108.6 billion in 2004, but fell to \$88.1 billion in 2009. The bulk of these changes were in manufacturing, which fell from \$84.3 billion in 2000 to \$76.1 billion in 2001, then recovered to a plateau around \$85 billion in the middle years of the decade before plunging to \$70.4 billion in 2009. Data from appendix table A2 show that the net decline in non-durable goods production from 2007 was steeper than that of durable goods: -19.0 percent vs. -13.5 percent. (The volume of durable goods production is about twice that of non-durable goods.) Output from agriculture-forestry-fishing-hunting fluctuated, but has risen recently to a level notably greater in 2009 than in 1999. On the other hand, the volume of goods produced by mining and construction has fallen almost without interruption since 1999.

By contrast, the collective output of private sector service-providers increased each year until 2009, when it declined from \$296.3 in 2008 to \$293.6 billion. Some sectors showed greater-than-average growth over the years even though output may not have increased every year. These include wholesale trade, transportation-warehousing, information, finance-insurance, enterprise management, and healthcare-social assistance. Professional-technical services and administrative-waste remediation services were close to the overall private service average. Others showed slower-than-average growth or even a net decline. Private sector services as a whole have been virtually flat since 2007. The growth in utilities, information, finance-insurance, and health care-social assistance have been offset by the lower levels in trade, transportation-warehousing, administrative-waste remediation, arts-entertainment-recreation, accommodation-food, and other non-governmental services (NAICS 81).

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

See Table A2

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



Source: U.S. BEA

DURABLE GOODS PRODUCTION

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, non-metallic mineral products, machinery, 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 2008 at \$13.44 billion. Dollar figures in these sector discussions are standardized on 2005.)

With few exceptions, GDP data provide no specific information about industry groups within major industries. However, employment data from County Business Patterns (U.S. Bureau of the Census, 2010a) for the state and the nation can be used to calculate concentration ratios for industry groups within major industries, thereby providing further insight into the sectors.³ For example, County Business Patterns data indicate that vehicle assembly (3361) and parts production (3363) are particularly concentrated in Ohio, while the manufacture of trailers and bodies (3362) is roughly proportional. Additional data confirm this concentration in assembly and parts production: in 2009, 16.9 percent of the cars and 11.9 percent of the light trucks assembled in the U.S. came from six high-volume plants in Ohio. Combining the two means that 14.2 percent of U.S. light vehicle production originated in Ohio, making it the 2nd-ranked source for light vehicles (Automotive News, 2010). Data from ELM International (2010) indicate that Ohio has the second largest number of establishments in America directly supplying parts to vehicle assemblers.

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

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

Activity in all nine fabricated metal (332) groups is more or less concentrated in Ohio (U.S. Bureau of the Census 2010a). Activities include shaping metal pieces by forging, heat-treating, coating stamping, bending, forming, machining, engraving,

ing and/or welding purchased materials. (Stampings for motor vehicles are classified as motor vehicle parts (33637).) Products include cutlery, unpowered hand tools, boilers, containers, hardware, nuts, bolts, screws, rivets, springs, wires, valves and plumbing fixtures, bearings, safes, ladders, washers, tanks, and the output of machine shops. (Washing machines and military weapons are classified elsewhere.) In this case, County Business Patterns data lead to the conclusion that it is the combination of a variety of such goods made in large volume that results in Ohio's 2nd rank in industry GDP.

Activity in machinery manufacturing is concentrated in six of the seven industry groups: industrial machinery (3332), machinery for commercial and service industries (3333), heating, ventilation, air conditioning, and commercial refrigeration equipment (3334), metalworking machinery (3335), engines, turbines and power transmission equipment (3336), and general purpose machinery (3339) (U.S. Bureau of the Census, 2010a). 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, 2010a).

Manufacturing non-metallic mineral products (327) is concentrated in Ohio. County Business Patterns data point to clay (3271), glass (3272), lime and gypsum (3274) and other materials (3279) as the concentrated groups driving production here. On the other hand, the concentration of furniture and related products reflects the concentration of household and institutional furniture and kitchen products (3371) alone (U.S. Bureau of the Census, 2010a).

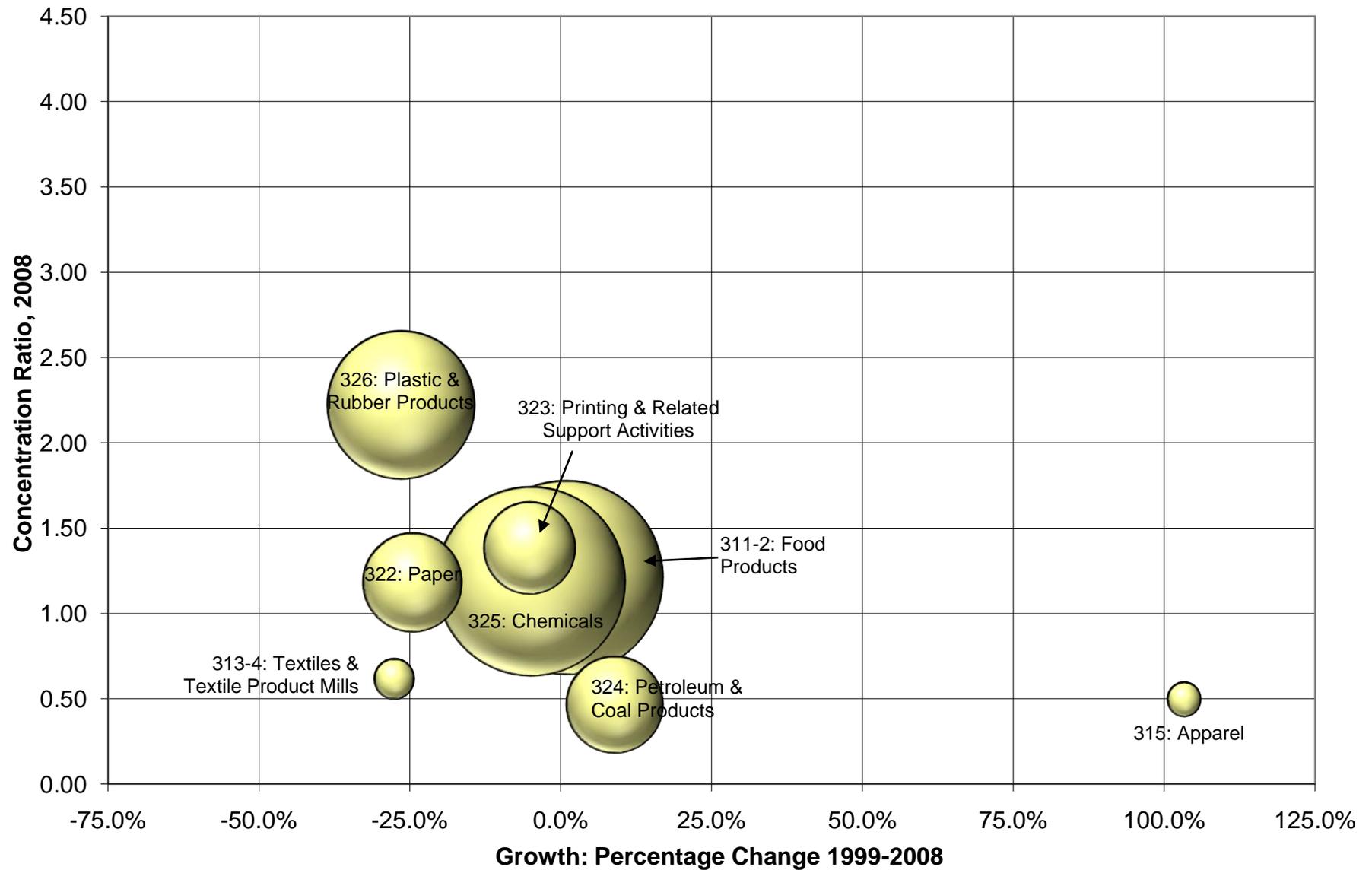
Durable goods output in Ohio reached a small peak in 2000, dropped in 2001, and gradually grew to a greater peak in 2007 before falling back in 2008 to a level comparable with 2005. This summary statement masks the varying trends of industries illustrated above. On one hand, there was the off-scale high growth of computers and electronic products. On the other hand, real output in 2008 was significantly lower than in 1999 for primary metals, non-metallic mineral products, and furniture and related products – perhaps as part of the recessionary year of 2008. However, most major industries showed little net change from 1999 or grew at a rate comparable to the state average of 5.6 percent. The manufacture of computer, electronic, wood and miscellaneous products is not concentrated here.

The volume of durable goods produced in Ohio rose 18.7 percent from 1999 to 2008. This is less than the corresponding national growth of 45.5 percent. However, industry-by-industry comparisons tell different stories. Some in Ohio grew at modest rates comparable with the corresponding national average – notably wood and fabricated metal products. In others – computers, electronic products, and motor vehicles-bodies-trailers-parts – growth in Ohio lagged the national average. In the remaining industries, output in Ohio fell while the national industry grew, or fell at faster rates than the national average fell.

The initial durable goods production figure for Ohio in 2009 is less than the revised number for 2008, and is nearly 13.5 percent below that of 2007. This means that the growth in Ohio from 2003 to 2007 disappeared in two years. The corresponding two-year decline for the nation as a whole was 7.3 percent.

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 overall production of non-durable goods is concentrated in Ohio, although not to the extent of durable goods. As with durable goods, the concentration is greater in some industries – notably plastic and rubber products (NAICS 326) and printing and related support activities (323). Lesser concentrations are evident in paper (322) and chemical (325) production and food products – the combination of food processing (311) and beverage production (312). The output from other, smaller sectors is relatively sparse.

Again, County Business Patterns data provide further insight into groups driving production in the state. Manufacturing plastic (3261) and rubber (3262) products – especially the latter – is concentrated here, making Ohio the leading state in that major industry. In other major industries, though, the concentration is evident only in some groups. For example, the data show paper production focusing on the conversion of paper products (3222) to things such as corrugated items, boxes, bags, stationary, envelopes, coatings, laminates and other treatments, from purchased paper – not the initial production of paper (3221).⁴ Particular food products concentrated here include food for animals (3111), specialty foods and the preservation of fruits and vegetables (3114), and, to a lesser extent, bakeries (3118) and other food products such as snacks, coffee and tea, syrups, seasonings, dressings, spices, popcorn, etc. (3119). Some chemical groups are concentrated here: basic chemicals such as industrial gases, pigments, dyes, chlorine, etc. (3251), plastic resins, synthetic rubber, etc. (3252), paints, coatings and adhesives (3255), soaps and cleaners (3256), and other preparations as diverse as inks and explosives (3259) (U.S. Bureau of the Census, 2010a).

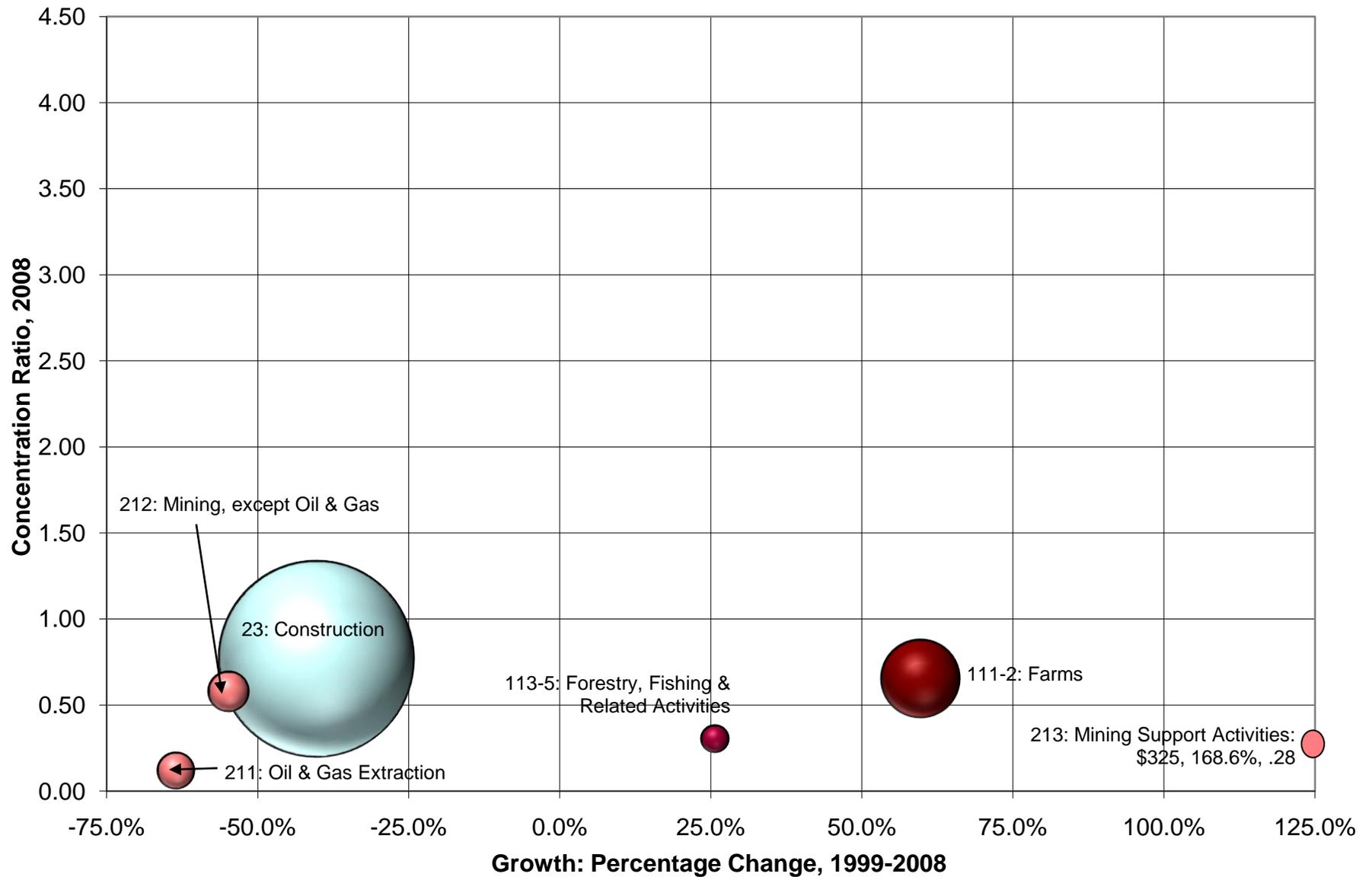
The production of non-durable goods in Ohio slid from 1999 through 2001. Although it bounced back and fluctuated between \$28 and \$30 billion from 2002 through 2007, aggregate output fell in 2008 to a level lower than 2001. Most of the constituent major industries were either little changed from 1999 or saw production fall. The only exception was the recovery of the apparel industry, where output was at least double from 1999 levels, but less than in 2007.

Non-durable goods manufacturers across the nation have fared marginally better than those in Ohio, with 2008 output 3.6 percent above 1999's level. As in Ohio, national output in 2008 was little changed or below 1999 levels for the majority of industries. The most notable exception was 77 percent growth in petroleum and coal products, which far surpassed Ohio.

Initial figures for 2009 show a 19.4 percent drop from 2007 in non-durable goods production in Ohio. This is worse than the national decline of 11.8 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 2008, Ohio was the 7th-ranked source for both corn and soy beans with 3.5 and 5.4 percent, respectively, of national production (U.S. Bureau of the Census, 2009: tables 831 & 832).⁵

The graph also shows that net growth in agriculture has out-paced Ohio's overall growth. This is true for farm production (NAICS 111-2) as well as forestry, fishing, and related activities (113-5). In a sector often characterized as volatile, both major industry clusters have grown with little interruption since the recession of 2001. Agricultural sector growth in Ohio has exceeded the corresponding growth for the country as a whole. This faster growth is specific to farm production, while the growth of forestry, etc., although faster than the state average, has lagged the nation as a whole.

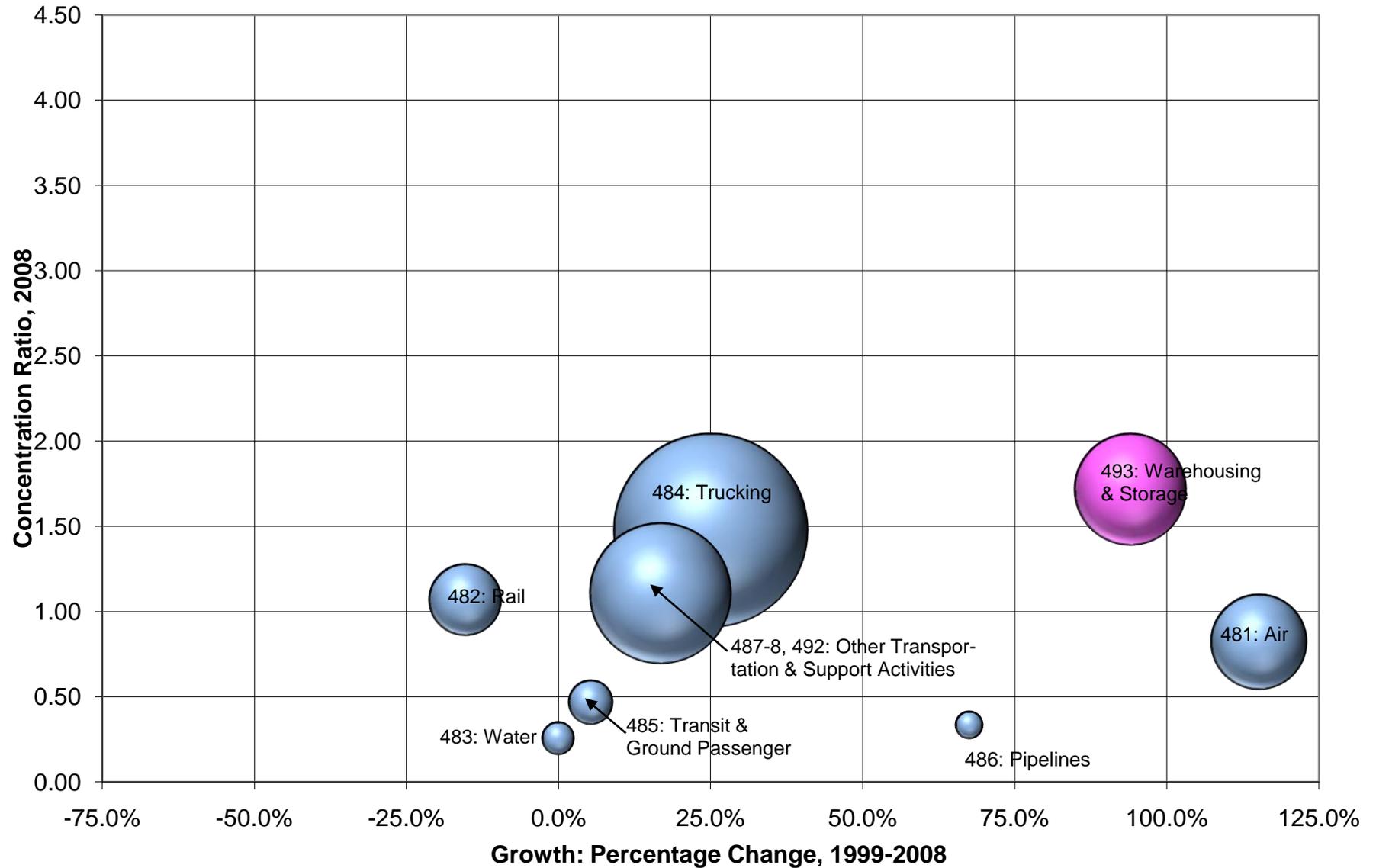
Construction activity (23) in Ohio is near the other end of the spectrum, though, gradually-but-steadily declining since 1999. For the country as a whole, construction peaked in 2001 and decreased thereafter. The difference is that construction activity here has fallen faster than the national average.

The output from wells and mines in Ohio has fallen since the early years of this decade (2000-2002), but support activities for mining have risen from the low point of 1999, but the increase has not been linear. For country as a whole, oil and gas extraction was at a high point in this time period in 1999 and has dropped with little interruption since, while the volume of other materials mined fluctuated but is currently lower now than earlier in the decade. National support activities for mining have grown since 1999 like they have in Ohio, but at a slower pace.

Initial figures for 2009 show continuing growth – 12.9 percent – of Ohio's agricultural sector from 2007 as well as a turn-around in mining and related activities. On the other hand, construction activity continued to slide. All of these recent changes are comparable with corresponding changes across the nation.

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

Transportation and warehousing services are, overall, somewhat concentrated in Ohio, but the constituent major industries range from notably-concentrated to sparse. The chart above shows that trucking (NAICS 484) is the largest one in this sector and is concentrated here. County Business Patterns data specify general freight trucking (4841) as the concentrated group, while specialized freight trucking (4842) and arrangements for freight transit (4885) are not. Rail (482) is the only other major transportation industry close to concentrated here, and County Business Patterns data indicate that support for rail transportation (4882) is concentrated here (U.S. Bureau of the Census, 2010a).

Other major transportation industries – air (481), water (483), transit-and-ground (485), and pipelines (486) – are more or less sparse, as are the corresponding support service (classified in 487, 488 and 492). However, County Business Patterns data point to three groups that are exceptions: non-scheduled air transportation (air-charter and air-taxi services – 4812), the pipeline transport of crude oil (4861), and courier services (4921) specializing in parcel delivery regardless of mode (U.S. Bureau of the Census, 2010a).

The chart above also shows that the overall above-average growth of the sector from 1999 through 2008 is notably due to the high growth of air and pipeline transportation, which more than offset the net decline of rail services. Other major industries – trucking, transit-and-ground, and other transportation and support activities – had their ups and downs, but showed real growth ranging from comparable with the state to above-average.

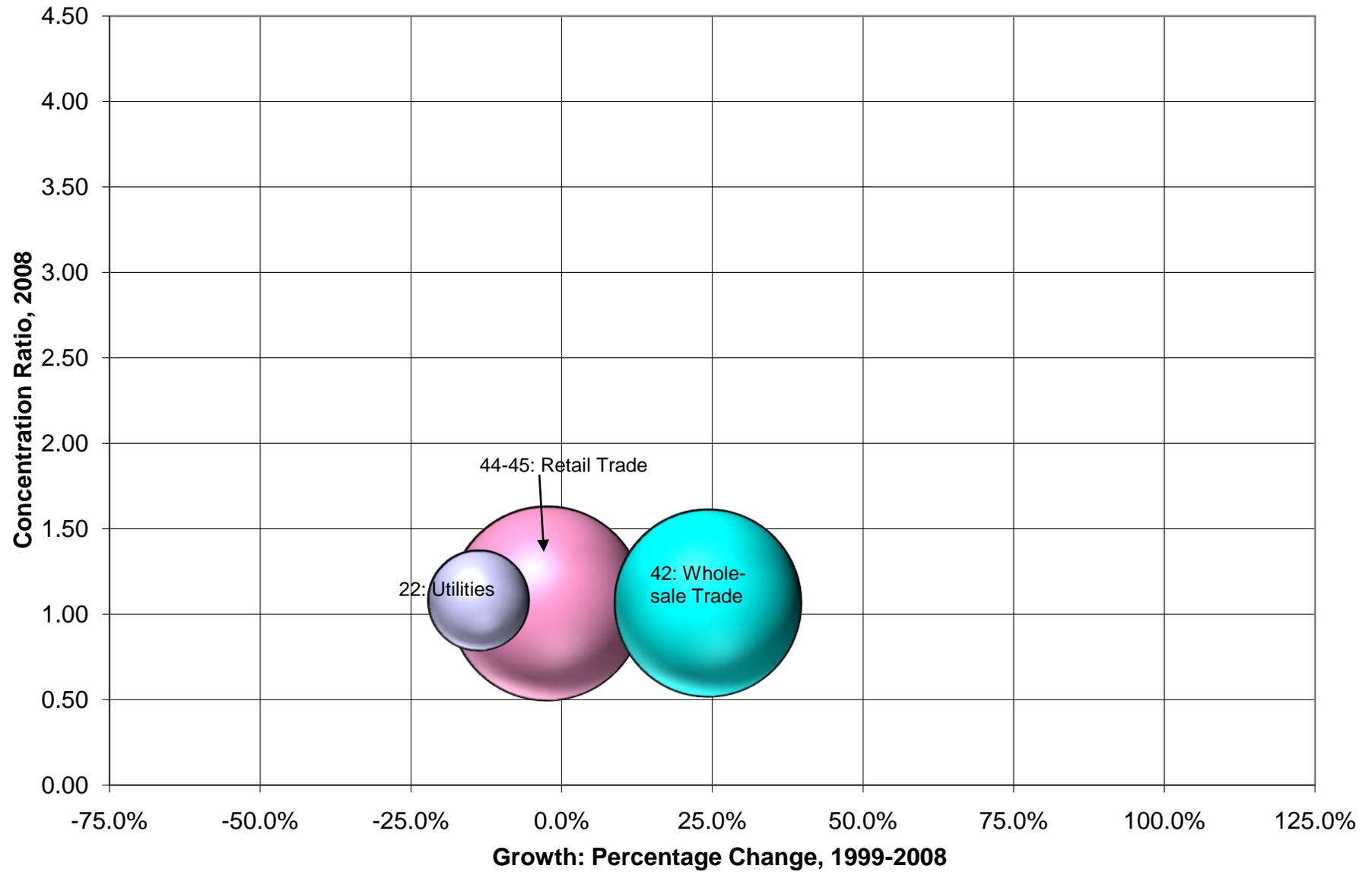
Many of the changes described above are parts national trends: air, truck, pipeline transportation, and other transportation and support activities grew more or less rapidly in Ohio and the U.S. In fact, the growth of air and pipeline services in Ohio was much faster than the national average, while growth in trucking and transit-and-ground services was modest but fairly close to the national average. The only difference was the national growth of water transportation.

Warehousing and storage activity (493) is concentrated in Ohio, and the volume of services provided nearly doubled from 1999 through 2008. The only interruption to growth occurred in 2001, and services in 2008 were down from 2007. The growth of corresponding services in the nation as a whole was above average, but not as rapid as here.

Initial transportation and warehousing sector data for 2009 show a continuing downturn from 2007 here and across the country.

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

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



Source: U.S. BEA

SERVICES: UTILITIES, WHOLESALE AND RETAIL TRADE

The provision of utility services in Ohio is faintly concentrated. County Business Patterns 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 modestly concentrated here (U.S. Bureau of the Census, 2010a). Similarly, electricity production in Ohio during 2007 was 3.74 percent of national output (U.S. Bureau of the Census, 2009: table 913) while Ohio's portion of GDP that year was 3.37 percent. On the other hand, natural gas distribution (2212) jobs in Ohio are proportional with those across the country, while water and sewage jobs (2213) are relatively sparse here (U.S. Bureau of the Census, 2010a).

Overall wholesale activity in Ohio is close to proportional with the nation. However, County Business Patterns 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). The somewhat sparse jobs among electrical equipment (4236) and grocery (4244) wholesalers are exceptions to this tendency (U.S. Bureau of the Census, 2010a).

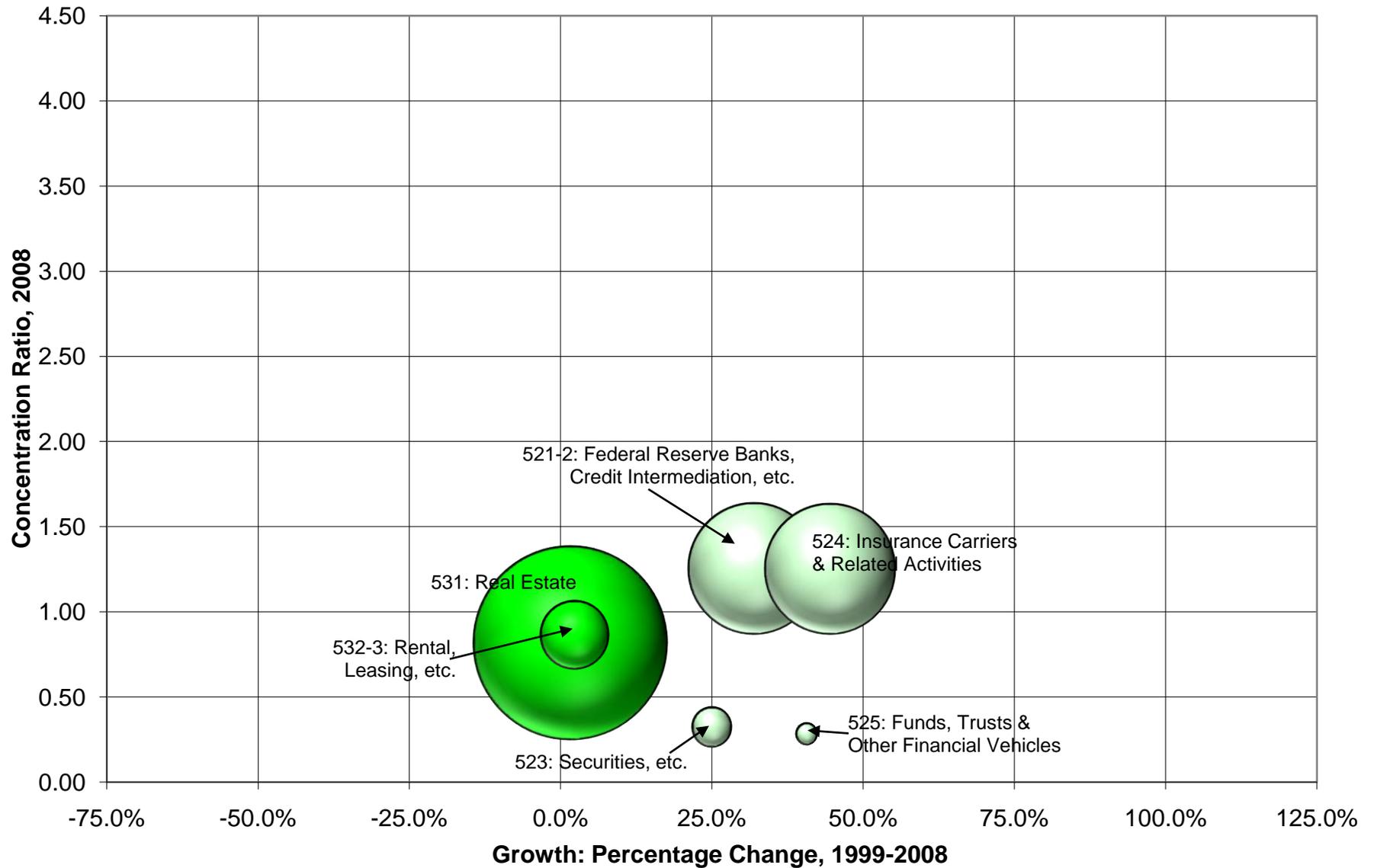
Overall retail activity in Ohio also is close to proportional with the nation as a whole. The four groups more or less concentrated here are florists (4531), used merchandise stores (4533), on-line and mail order shopping (4541), and vending machine operators (4542) (U.S. Bureau of the Census, 2010a).

Higher-than-average growth characterized wholesale trade from 1999 through 2008, while retail trade volumes rose and fell, with the 2008 level about the same as 1999. Utility services trended down after 1999, but have grown in recent years – just not back to the level of 1999. Growth rates in wholesale and retail trade across the nation were higher than in Ohio; but this may, in part, reflect a faster-growing population. National utility output fluctuated during this time period.

Initial figures for 2009 show continuing slides from 2007 in wholesale and retail activity here and across the country. The pleasant surprise is the growth in the utilities sector.

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 major industries concentrated in Ohio: insurance carriers and related activities (NAICS 524) and the combination of Federal Reserve banks (521) and credit intermediation (522). County Business Patterns 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 essentially proportional. The financial concentration in Ohio reflects the presence of a Federal Reserve bank (5211) in Cleveland as well as commercial and private (*i.e.*, unincorporated) banks, savings and loans, and credit unions (5221) (U.S. Bureau of the Census, 2010a).

All four major industries in the finance and insurance sector (52) netted faster than average growth. While all four had ups and downs in this period, the sparsely represented and much smaller securities (523) and funds (525) industries experienced comparatively wider swings (judging on the basis of percentage change) from one year to the next. It may be by coincidence that the 1999-2008 net changes of those smaller industries are similar to the relatively steadier growth of the larger industries. The higher growth rates of the insurance and funds industries were offset by the slower growth of the Federal Reserve-credit intermediation-insurance and securities industries to the effect that overall sector growth in Ohio nearly matched that of the nation.

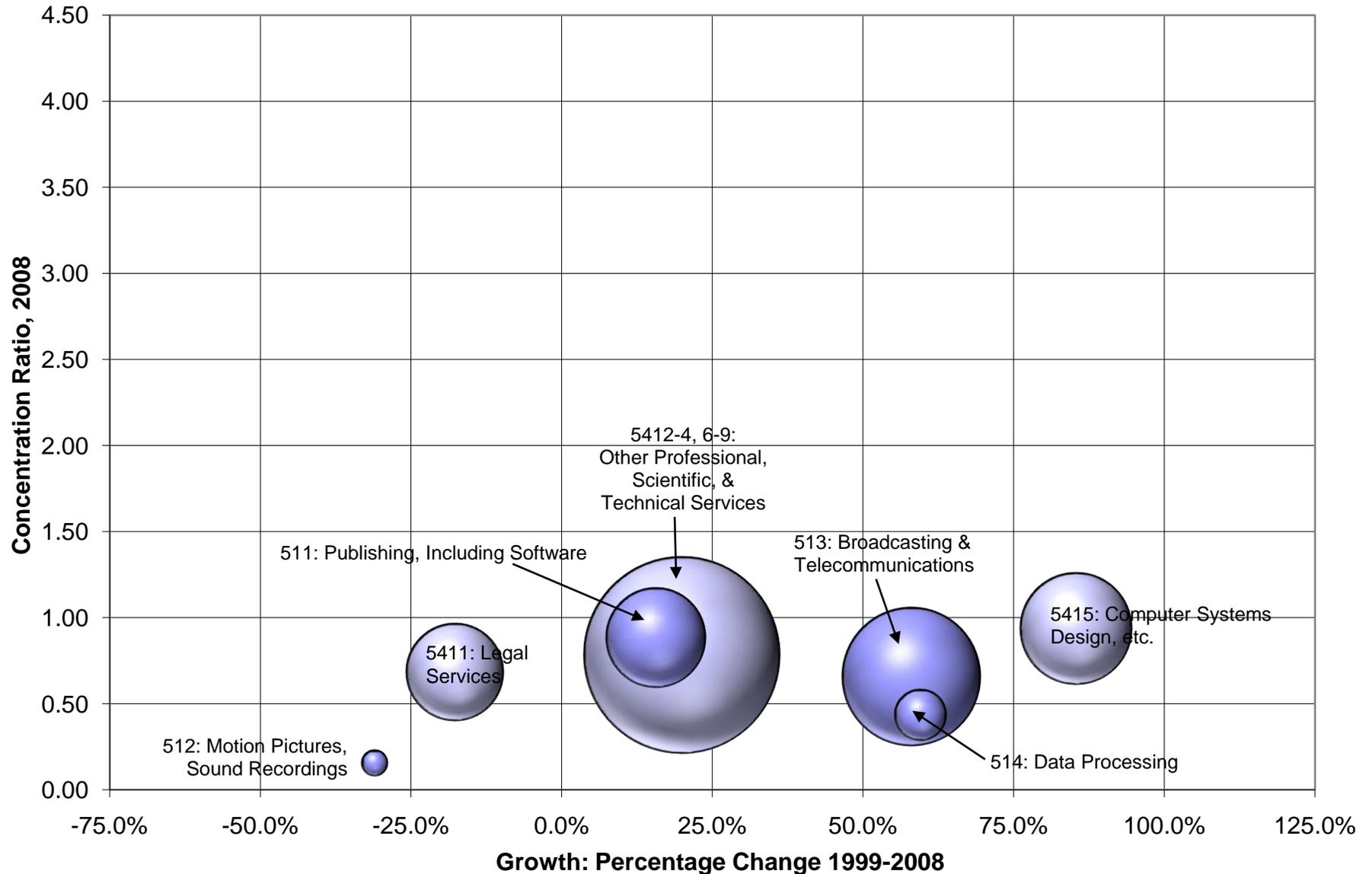
Real estate (531) is the single largest major industry in Ohio, but the large GDP number is much more indicative of the role of mortgages in the economy than the activity of real estate offices.⁶ Neither it nor rental and leasing services, etc. (532-533) is concentrated here. County Business Patterns data do not indicate any exceptions (U.S. Bureau of the Census, 2010a).

Activity in real estate during 2008 was marginally greater than in 1999, but activity peaked in 2001 and has drifted lower since. Activity in rental and leasing services, etc., fluctuated, but can be described the same way. Across the country real estate growth was almost uninterrupted. Rental and leasing activity also rose and contracted a number of times before ending higher in 2008. Net growth rates for the national industries were greater than in Ohio.

Initial figures for 2009 indicate the finance and insurance sector has continued to grow here since 2007, but peaked and contracted in the rest of the country. Rental and leasing activity in Ohio and the nation is little changed since 2007.

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 establishments generally are not concentrated in Ohio. The two exceptions are satellite communications (5174) and, to a modest extent, other information services (5191). Although the former is highly concentrated, it employs less than 800 people here (U.S. Bureau of the Census, 2010a). The latter includes news syndicates, libraries, archives, and internet publishing-broadcasting-web search portals, etc. (Office of Management and Budget, 2007).⁷

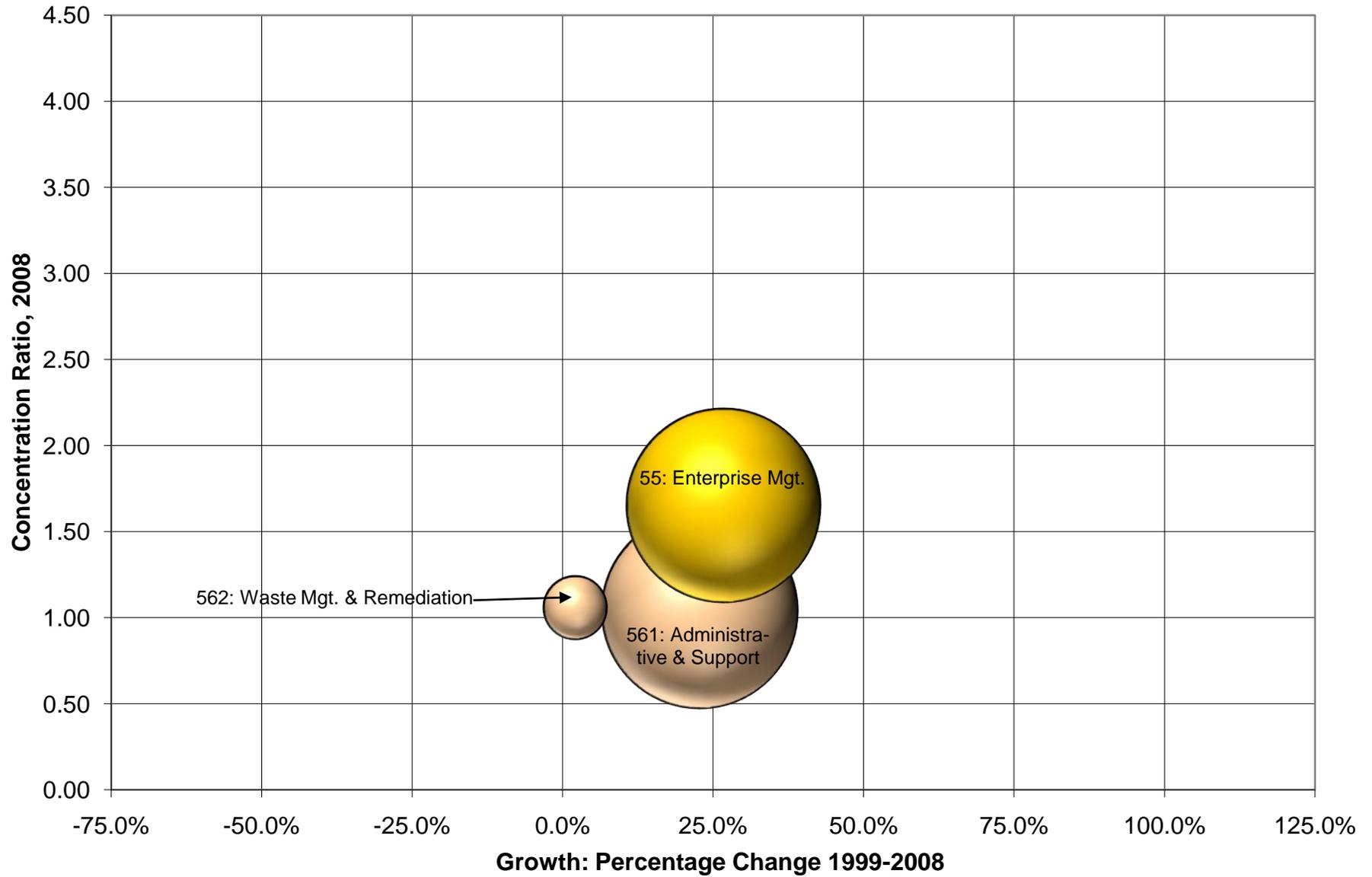
While none of the major industries is concentrated here, most experienced faster-than-average growth from 1999 through 2008. As fast as the growth was for these industries in Ohio, it usually was less rapid than the corresponding national experience. The exception was computer systems design and related services (5415), which grew 85.4 percent in Ohio compared with the national average of 78.8 percent.

On the other hand, motion picture and sound recording activity (512) and legal services (5411) fluctuated from year to year before trending downward. The former shows a net decrease of 31 percent and the latter a net decrease of 17.7 percent in Ohio. Both industries experienced little net national change.

Initial figures for 2009 show slow, steady growth since 2007 in the information sector in Ohio and across the country. However, business in professional-and-technical services in 2009 was off from 2008, returning to 2007 levels in Ohio and the nation as a whole.

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. County Business Patterns data are consistent with the GDP data for this one-group sector (U.S. Bureau of the Census, 2010a). This concentration undoubtedly includes the relatively large number – 58 – of the Fortune U.S.-1,000 companies headquartered in Ohio, as well as the subsidiary and regional offices of those and other companies (Fortune, 2010). The value of services provided fluctuated during the 1999-2008 period, ending with an above-average net change of 26.9 percent expansion. This stands in marked contrast with the national experience where the same services grew by 9.1 percent.

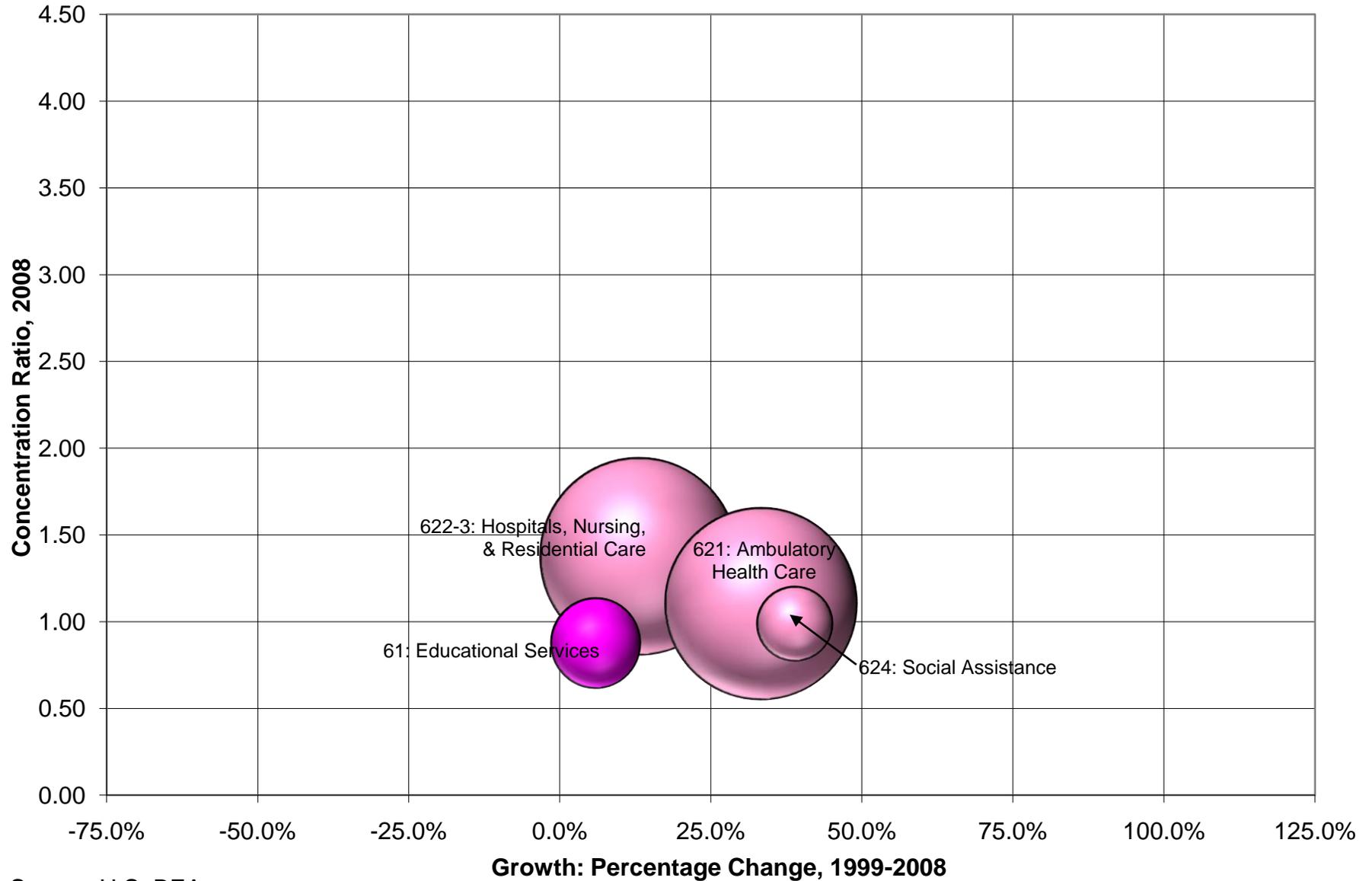
Administrative and support services (561) in Ohio are close to proportional with the national average. County Business Patterns data indicate that some groups – business support (5614) and other support services (5619) – are slightly concentrated, while the remaining groups are more or less sparse (U.S. Bureau of the Census, 2010a). Administrative and support services have grown since 2001, with 2008 activity levels 22.8 percent above those of 1999. National growth of this major industry has been greater.

Waste management and remediation services (562) include collecting, treating, incinerating or otherwise disposing waste materials (except sewage, which is classified as a utility service). They also include recovering recyclables and operating landfills. Overall, services of this major industry in Ohio are roughly proportional with the nation. County Business Patterns data show a concentration in waste treatment and disposal (5622) (U.S. Bureau of the Census, 2010a). This concentration may be, in part, a consequence of manufacturing's concentration in Ohio. This is consistent with the fact that 6.7 percent of toxic chemical releases in the country during 2007 originated in Ohio (U.S. Bureau of the Census, 2009: table 370). Activity in this industry fluctuated, but was 2.1 percent greater in 2008 than 1999. Activity across the nation has been up and down, but was greater in 2008 than in 1999.

Initial figures for 2009 show a decline enterprise management from 2008 to a level close to 2007 and virtually no change at the national level. Administrative and waste management services have fallen from 2008 levels to below those of 2007 here and for the country as a whole.

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

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



Source: U.S. BEA

SERVICES: HEALTH CARE, SOCIAL ASSISTANCE, AND EDUCATION

The overall health care and social assistance sector (NAICS 62) is somewhat concentrated in Ohio, and the chart above illustrates how the major industries vary. Hospitals, nursing and residential care facilities (622 and 623 combined) are more concentrated than ambulatory health care (621), while social assistance (624) is proportional. County Business Patterns data point to general hospitals (6221) and nursing and community care facilities for the elderly (6231 and 6233) as the specific services concentrated here. Home and other ambulatory health care services (6216 and 6219) also are slightly concentrated here. A concentration in vocational rehabilitation (6243) is the exception in social assistance (U.S. Bureau of the Census, 2010a).

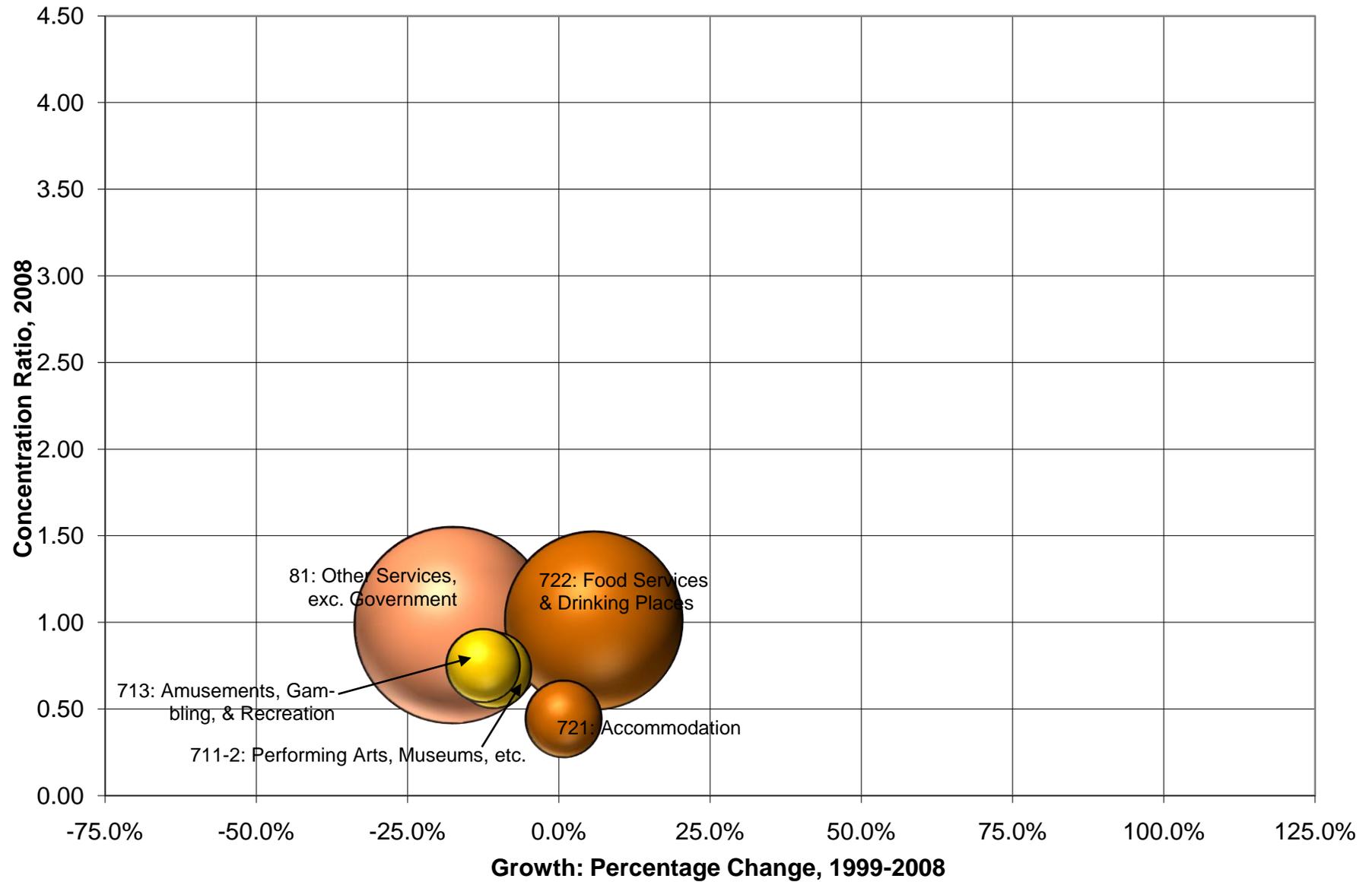
The overall provision of health care and social assistance in Ohio grew faster than average; the chart above reveals that most of the growth occurred in ambulatory health care and social assistance. Service provided by hospitals, nursing, and residential care facilities grew at a slower rate, but that rate was still faster than the overall average for Ohio. Except for social assistance, the corresponding paces of growth for the nation as a whole were greater.

Initial figures for 2009 show an increase from 2007 in health care and social assistance activity in Ohio, continuing the almost uninterrupted growth since 1999. While the growth rate is less than the corresponding rate for the national sector, it is one of the larger bright spots in Ohio's economy.

The chart above also shows that educational services (61) are not concentrated in Ohio. County Business Patterns data show no exceptions. The provision of educational services fluctuated over the years, with activity in 2008 six percent greater than in 1999. This is similar to the national experience. Initial figures for 2009 indicate little change from 2007 here 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

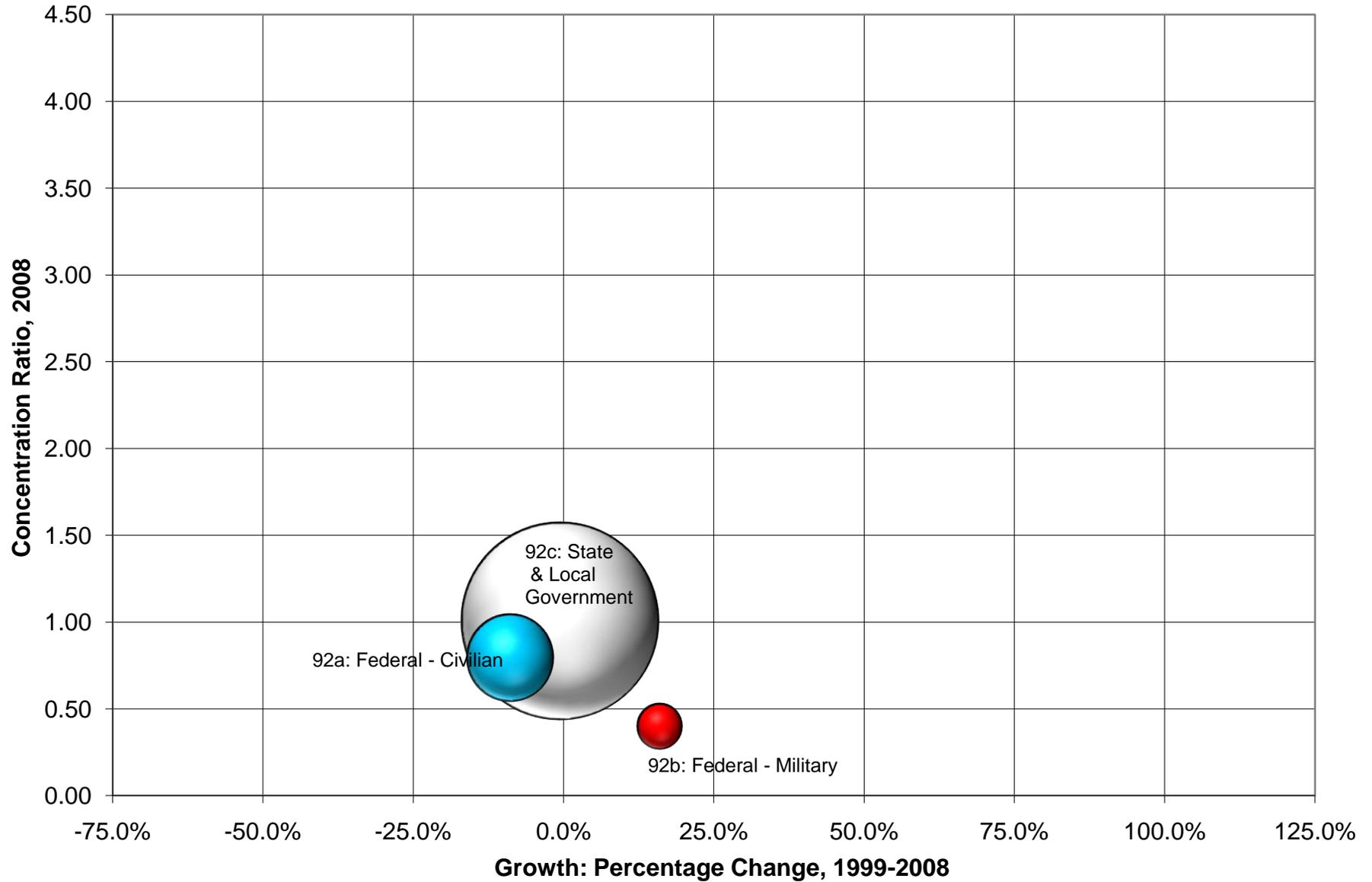
The remaining private sector services are not concentrated in Ohio. While places serving food and drink (NAICS 722) and other services overall (81) are proportional with those throughout the country, those providing accommodations (721), amusements, gambling, recreation, or arts-related activities (711-713) are relatively sparse. County Business Patterns data point to a few exceptions where services may be concentrated: rooming and boarding houses (7213), limited service eating places (7222), commercial equipment repair and maintenance (8113 – motor vehicle and electrical equipment repair are classified elsewhere), personal care such as hair, nails, or dieting (8121), funeral homes and cemeteries (8122), and civic and social organizations (8134) (U.S. Bureau of the Census, 2010a).

Activity in performing arts-museums-etc. in Ohio has fluctuated at lower levels since the high point in 1999. The same may be said of amusements, gambling, and recreation after 2000. On the other hand, the expansion of food services and drinking places, though not steady, kept pace with the economy as a whole from 1999 through 2008. Accommodation services have fluctuated, but are essentially unchanged since 1999. 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 was off 4.8 percent.

Initial figures for 2009 show reduced activity in Ohio after 2007 and/or 2008 . This also is true for the country as a whole, with the exception arts-entertainment-recreation, which is little change since 2007.

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 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 have fluctuated usually between \$38 and \$40 billion, with essentially no net change from 1999 to 2008.

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 2007, 2.16 percent of the value of Defense Department contracts went to firms in Ohio, 2.21 percent of the Defense Department’s payroll went to Ohio (certain benefits are excluded), and in 2006 civilian and military personnel numbered 28,534 – 1.59 percent of total Defense employment (U.S. Bureau of the Census, 2009: tables 494 and 496). Military activity in Ohio increased for a few years after 2001, and then dropped off a little; it remains 16 percent higher than in 1999. On the other hand, the larger civilian services have gradually decreased by 8.8 percent since 1999.

Initial figures for 2009 show slight increases from 2007 in total governmental services here and across the country.

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

Gross Domestic Products for Metropolitan Areas in Ohio, 2001-2008
(in millions chained dollars standardized on 2001, except percentages)

| State/Metropolitan Area | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | Real Change | |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|---------|
| | | | | | | | | | Amount | Percent |
| U.S.* | \$10,218,000 | \$10,394,321 | \$10,616,858 | \$10,980,830 | \$11,288,246 | \$11,595,212 | \$11,835,192 | \$11,852,366 | \$1,634,366 | 16.0% |
| Ohio* | \$382,640 | \$391,163 | \$395,009 | \$402,606 | \$404,786 | \$401,136 | \$404,978 | \$402,113 | \$19,473 | 5.1% |
| Akron, OH | \$20,729 | \$21,366 | \$22,021 | \$22,600 | \$23,229 | \$22,998 | \$23,131 | \$23,214 | \$2,485 | 12.0% |
| Canton-Massillon, OH | \$10,913 | \$10,972 | \$11,040 | \$11,140 | \$11,316 | \$10,930 | \$10,833 | \$10,817 | -\$96 | -0.9% |
| Cincinnati-Middletown, OH-KY-IN | \$75,968 | \$77,912 | \$79,137 | \$80,777 | \$82,169 | \$81,199 | \$81,775 | \$81,831 | \$5,863 | 7.7% |
| Cleveland-Elyria-Mentor, OH | \$83,939 | \$84,074 | \$86,284 | \$89,131 | \$88,964 | \$87,787 | \$87,808 | \$86,649 | \$2,710 | 3.2% |
| Columbus, OH | \$69,975 | \$71,839 | \$72,238 | \$73,939 | \$75,153 | \$75,001 | \$75,969 | \$76,050 | \$6,075 | 8.7% |
| Dayton, OH | \$28,550 | \$28,972 | \$29,104 | \$29,488 | \$29,800 | \$29,950 | \$29,688 | \$29,096 | \$546 | 1.9% |
| Huntington-Ashland, WV-KY-OH | \$6,482 | \$6,796 | \$6,792 | \$6,974 | \$6,961 | \$6,998 | \$6,988 | \$7,036 | \$554 | 8.5% |
| Lima, OH | \$3,489 | \$3,620 | \$3,561 | \$3,678 | \$3,704 | \$3,702 | \$3,663 | \$3,515 | \$26 | 0.7% |
| Mansfield, OH | \$3,365 | \$3,522 | \$3,584 | \$3,670 | \$3,691 | \$3,658 | \$3,527 | \$3,517 | \$152 | 4.5% |
| Parkersburg-Marietta-Vienna, WV-OH | \$4,284 | \$4,361 | \$4,279 | \$4,484 | \$4,386 | \$4,499 | \$4,475 | \$4,513 | \$229 | 5.3% |
| Sandusky, OH | \$2,535 | \$2,614 | \$2,675 | \$2,701 | \$2,701 | \$2,668 | \$2,568 | \$2,501 | -\$34 | -1.3% |
| Springfield, OH | \$3,220 | \$3,112 | \$3,028 | \$3,067 | \$3,057 | \$3,107 | \$3,055 | \$3,075 | -\$145 | -4.5% |
| Toledo, OH | \$21,671 | \$22,326 | \$22,725 | \$22,868 | \$22,830 | \$22,723 | \$22,539 | \$22,087 | \$416 | 1.9% |
| Weirton-Steubenville, WV-OH | \$2,754 | \$2,931 | \$2,803 | \$2,835 | \$2,861 | \$2,665 | \$2,668 | \$2,758 | \$4 | 0.1% |
| Wheeling, WV-OH | \$3,488 | \$3,568 | \$3,668 | \$3,785 | \$3,815 | \$3,789 | \$3,760 | \$3,879 | \$391 | 11.2% |
| Youngstown-Warren-Boardman, OH-PA | \$14,346 | \$14,682 | \$14,702 | \$14,883 | \$15,035 | \$14,983 | \$14,765 | \$14,134 | -\$212 | -1.5% |

Note: * - Revised figures for 2002-2008 generated by PR&SP.

Source: U.S. BEA (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

REAL GROWTH IN METROPOLITAN AREAS

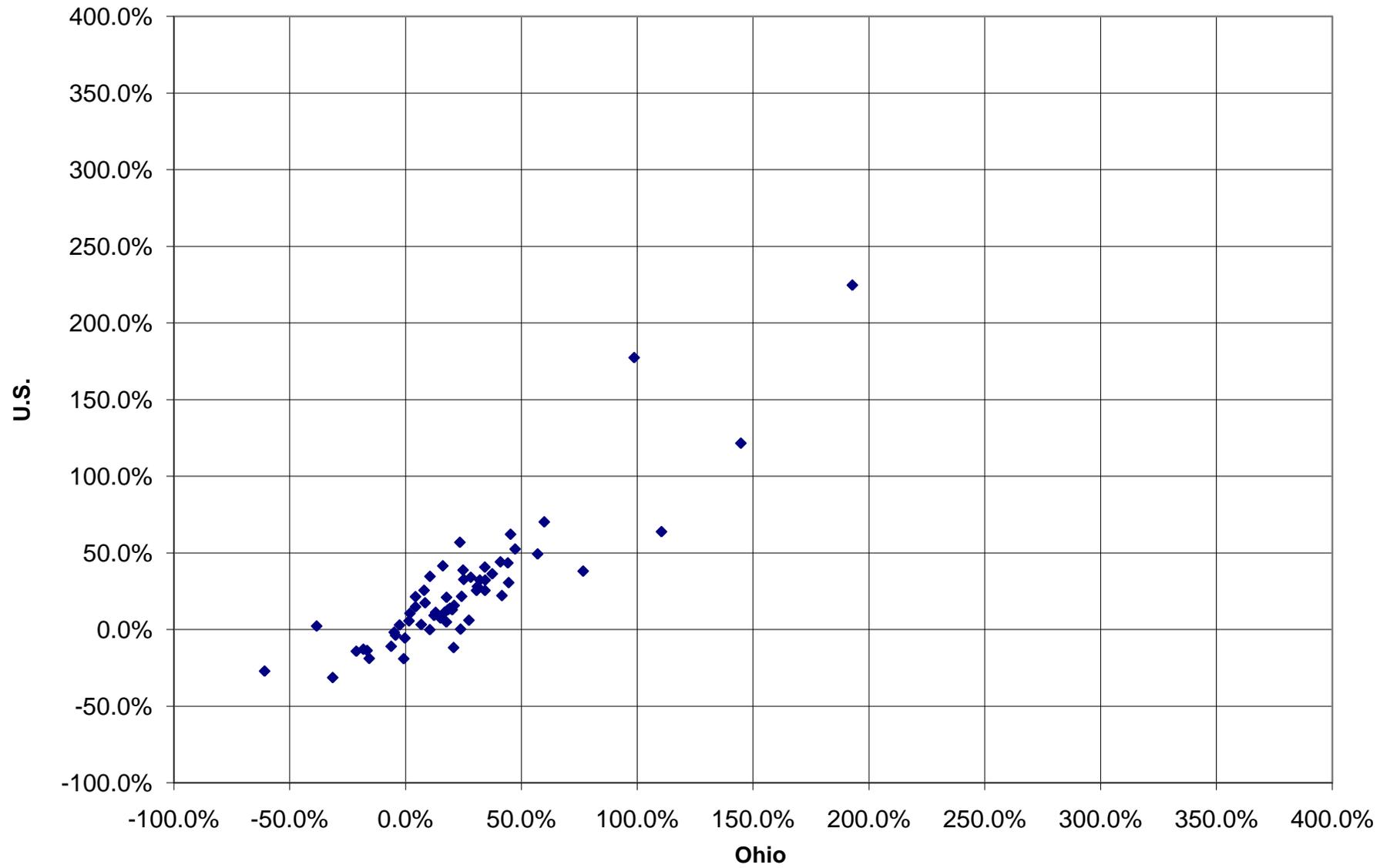
The table above displays changes in economic output from metropolitan areas wholly or partially in Ohio. The figures have been standardized on 2001, thereby removing the effects of inflation. Figures for Ohio and the nation are included for comparison.

Real net growth from 2001 to 2008 is evident in 12 of the 16 metropolitan areas; Canton-Massillon, Sandusky, Springfield and Youngstown-Warren-Boardman are the exceptions. Output from Canton-Massillon and Sandusky peaked in 2005, and has declined since. Output from Springfield and Weirton-Steubenville appears to be fluctuating. The greatest growth in absolute terms occurred in two of the three largest metropolitan areas: Cincinnati-Middletown (including the portions in Kentucky and Indiana) with \$5.86 billion and Columbus with \$6.08 billion. Despite the portions in Kentucky and Indiana, it is probably safe to say that the combined growth of these two accounts for about one-half the economic growth in Ohio since 2001. Adding the net growth of Akron and Cleveland-Elyria-Mentor brings the portion to about 84 percent.

The role of Cincinnati, Cleveland and Columbus in Ohio's economy also accounts for a significant degree for the state's overall growth rate. Their range of rates – from 3.2 to 8.7 percent – encompasses the state's overall rate of 5.1 percent. However, the fastest growth appeared in two other metropolitan areas: Akron: 12.0 percent, and Wheeling: 11.2 percent. It should be noted, though, that none of the metropolitan areas in Ohio even approached the growth rate of the national economy: 16.0 percent.

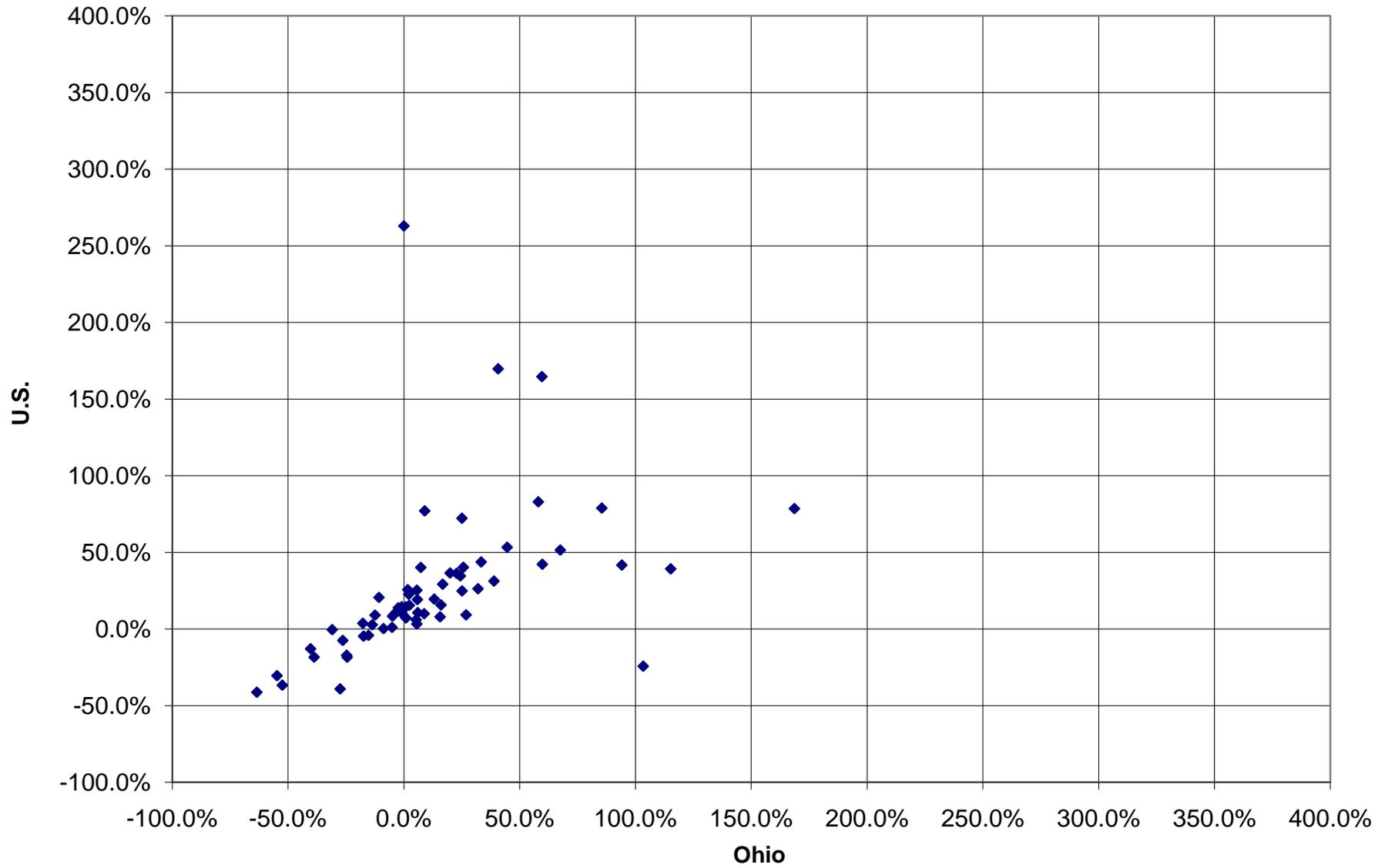
Although real net growth from 2001 through 2008 is evident for 12 metropolitan areas, 2008 was a year in which output slide from 2007 levels in eight metropolitan areas: Canton-Massillon, Cleveland-Elyria-Mentor, Dayton, Lima, Mansfield, Sandusky, Toledo, and Youngstown-Warren-Boardman. In addition, output from Akron, Cincinnati-Middletown, Columbus, Huntington-Ashland, Parkersburg-Marietta-Vienna and Springfield, in comparison with 2007, was either essentially unchanged or about as anemic as the national average of .7 percent. These numbers indicate that the weakness of Ohio's economy in 2008 was widely distributed. Only Weirton-Steubenville and Wheeling were islands of notable 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 (1999-2008) 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 1999-2009 period, but growth in Ohio was slower than the national average. Ohio's economy grew by 2.6 percent from 1999 to 2000, shrank with the recession of 2001 (growth of -2.0 percent), and grew 5.8 percent from 2001 to 2005. It slipped in 2006, but recovered in 2007 to just above the 2005 level. It has contracted since 2007 (growth of -3.4). The corresponding figures for the U.S. economy were greater: 4.2 percent, 1.3 percent (nationally, the recession was relatively short and mild), 10.5 percent, and -2.0 percent.⁸ (Organizations and individuals were classified using the NAICS in this period.)⁹

Slower growth in Ohio is expected to continue in each of the next four years. Moody's (2010) expects Ohio's economy will contract by 0.9 percent in 2010, but forecasts a turn-around with 0.8 percent growth in 2011, 2.4 in 2012, 3.2 in 2013, and 2.1 in 2014. It originally expected the U.S. economy to grow 2.7 percent in 2010 (although it recently stated growth in 2010 has been closer to 2.0 percent), with 3.0 percent growth in 2011, 5.0 in 2012, 4.3 in 2013, and 2.8 percent in 2014. Moody's believes a number of factors may contribute to Ohio's lagging recovery: the continued restructuring of the motor vehicle industry, a comparatively heavy reliance on secularly declining manufacturing industries, a shift toward lower wage jobs, and slow population growth (the last may dampen the growth service sector jobs).

The disjuncture between Ohio's experience and that of the nation should not be over-emphasized. The charts on pages 50 and 51 – the first covering 1990-1997, the second covering 1999-2008 – illustrate close associations between changes in industry output in Ohio with corresponding changes at the national level.¹⁰ This means that what was happening in one was a fairly reliable indicator of what was happening in the other; faster-growing industries in one much more often than not were faster-growing industries in the other. The same generalization conversely applies to slower-growing or contracting industries.

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.¹¹ During the long term of 2008 through 2018, Woods (2009), a U.S. Department of Labor economist, forecasts an average annual growth rate of 2.8 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 and insurance, professional-scientific-technical services, managing companies and enterprises, administrative support-waste management-remediation, and health care and social assistance. In this context, it is worth noting several things. Enterprise management, health care and social assistance, and finance and insurance are all concentrated in Ohio, but enterprise management – the most concentrated – is a small sector. Furthermore, wholesale and retail trade are only faintly concentrated here, while professional-scientific-technical services and administrative support-waste management-remediation are relatively sparse.

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 the most comprehensive measure of overall economic activity... the state counterpart to GDP in the national income and products accounts” (Coakley, et.al. 2009: 62). It is actually measured using data such as employees' compensation, taxes on production and imports less subsidies, and gross operating surplus. See Downey and Aman (2006), Woodruff, et.al. (2007), and Coakley, et.al. (2009) for details about the data sources and the calculations for each industry.

Beginning in 1997, statistics on the nation's industries have been organized under the North American Industrial Classification System (NAICS). Establishments producing goods or providing services sufficiently alike are classified in the same *industry*. A six-digit NAICS code is assigned to each industry. Closely related industries formed an *industry group*. The first four digits of the code indicate the group to which the industries belong. (The first five digits occasionally indicate a sub-group.) Industry groups with common elements and shared characteristics comprise a *major industry*. The first three digits of the code indicate a major industry, and the first two digits indicate the *sector* (Office of Management and Budget, 1998, 2007). The U.S. BEA (2010) 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 almost always have been limited to the times where the effects of inflation and deflation have been removed: 1990-1997 for the SIC system, and 1999-2008/9 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*, 2009 (in millions of current dollars, except percentages and ratios)

| 1997 NAICS Codes | Sector Titles | Ohio GDP 2009 | | U.S. GDP 2009 | | Ohio as a Percentage of the U.S. | Ohio::U.S. Concentra- tion Ratio |
|------------------------|---|---------------|-------------------------|---------------|-------------------------|--|--|
| | | (000,000) | Percent Distribution | (000,000) | Percent Distribution | | |
| 11-92 | All Industries | \$471,264 | 100.00% | \$14,150,800 | 100.00% | 3.33% | 1.00 |
| 11-81 | Private industries | \$416,020 | 88.28% | \$12,323,800 | 87.09% | 3.38% | 1.01 |
| 11 | Agriculture, forestry, fishing & hunting | \$2,652 | 0.56% | \$136,413 | 0.96% | 1.94% | 0.58 |
| 21 | Mining | \$1,829 | 0.39% | \$231,312 | 1.63% | 0.79% | 0.24 |
| 22 | Utilities | \$9,680 | 2.05% | \$269,220 | 1.90% | 3.60% | 1.08 |
| 23 | Construction | \$15,483 | 3.29% | \$578,329 | 4.09% | 2.68% | 0.80 |
| 31-33 | Manufacturing | \$73,538 | 15.60% | \$1,568,590 | 11.08% | 4.69% | 1.41 |
| 32p & 33 | Durable goods | \$46,638 | 9.90% | \$846,823 | 5.98% | 5.51% | 1.65 |
| 31 & 32p | Nondurable goods | \$26,900 | 5.71% | \$721,766 | 5.10% | 3.73% | 1.12 |
| 42 | Wholesale trade | \$28,161 | 5.98% | \$793,309 | 5.61% | 3.55% | 1.07 |
| 44-45 | Retail trade | \$30,262 | 6.42% | \$842,249 | 5.95% | 3.59% | 1.08 |
| 48-49 (exc. 491) | Transportation & warehousing, exc. Postal Service | \$14,622 | 3.10% | \$393,893 | 2.78% | 3.71% | 1.11 |
| 51 | Information | \$13,412 | 2.85% | \$633,765 | 4.48% | 2.12% | 0.64 |
| 52 | Finance & insurance | \$45,228 | 9.60% | \$1,197,960 | 8.47% | 3.78% | 1.13 |
| 53 | Real estate, rental & leasing | \$52,512 | 11.14% | \$1,859,830 | 13.14% | 2.82% | 0.85 |
| 54 | Professional & technical services | \$28,423 | 6.03% | \$1,077,520 | 7.61% | 2.64% | 0.79 |
| 55 | Management of companies & enterprises | \$13,889 | 2.95% | \$252,047 | 1.78% | 5.51% | 1.65 |
| 56 | Administrative & waste services | \$13,501 | 2.86% | \$394,354 | 2.79% | 3.42% | 1.03 |
| 61 | Educational services | \$4,449 | 0.94% | \$152,683 | 1.08% | 2.91% | 0.87 |
| 62 | Health care & social assistance | \$41,694 | 8.85% | \$1,036,150 | 7.32% | 4.02% | 1.21 |
| 71 | Arts, entertainment & recreation | \$3,378 | 0.72% | \$137,863 | 0.97% | 2.45% | 0.74 |
| 72 | Accommodation & food services | \$11,549 | 2.45% | \$407,736 | 2.88% | 2.83% | 0.85 |
| 81 | Other services, exc. government | \$11,758 | 2.49% | \$360,580 | 2.55% | 3.26% | 0.98 |
| 92 | Government (inc. Postal Service) | \$55,244 | 11.72% | \$1,827,030 | 12.91% | 3.02% | 0.91 |

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 (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A2: Ohio and U.S. Gross Domestic Product by Sector, 1999-2009 (in millions of chained 2005 dollars)

| 1997 NAICS Codes | Industry Titles | Area | Gross Domestic Product (standardized on 2005) | | | | | | | | | | | Percent Change 1999-2009 |
|------------------------|---|------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------------|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009* | |
| 11-92 | All Industries | U.S. | \$10,767,500 | \$11,223,100 | \$11,364,200 | \$11,560,300 | \$11,807,800 | \$12,212,600 | \$12,554,500 | \$12,895,900 | \$13,162,800 | \$13,181,900 | \$12,903,800 | 19.8% |
| | | Ohio | \$418,172 | \$429,113 | \$420,384 | \$429,748 | \$433,973 | \$442,320 | \$444,715 | \$440,704 | \$444,925 | \$441,778 | \$429,812 | 2.8% |
| 11-81 | Private industries | U.S. | \$9,354,950 | \$9,785,670 | \$9,911,300 | \$10,079,100 | \$10,315,700 | \$10,713,900 | \$11,052,500 | \$11,385,500 | \$11,633,400 | \$11,619,600 | \$11,313,900 | 20.9% |
| | | Ohio | \$369,965 | \$380,058 | \$371,235 | \$379,821 | \$384,244 | \$393,298 | \$396,226 | \$393,316 | \$397,614 | \$394,173 | \$381,691 | 3.2% |
| 11 | Agriculture, forestry, fishing & hunting | U.S. | \$92,818 | \$103,714 | \$100,231 | \$104,323 | \$115,244 | \$122,706 | \$127,075 | \$128,072 | \$120,773 | \$132,257 | \$138,396 | 49.1% |
| | | Ohio | \$1,630 | \$2,134 | \$1,927 | \$1,920 | \$2,094 | \$2,474 | \$2,351 | \$2,501 | \$2,382 | \$2,598 | \$2,690 | 65.0% |
| 21 | Mining | U.S. | \$264,774 | \$232,468 | \$262,735 | \$265,864 | \$231,256 | \$229,296 | \$192,043 | \$207,625 | \$198,345 | \$199,003 | \$206,319 | -22.1% |
| | | Ohio | \$3,813 | \$2,939 | \$3,310 | \$3,310 | \$2,518 | \$2,411 | \$1,800 | \$1,740 | \$1,570 | \$1,463 | \$1,632 | -57.2% |
| 22 | Utilities | U.S. | \$215,492 | \$222,938 | \$193,184 | \$200,438 | \$207,607 | \$215,790 | \$205,669 | \$207,081 | \$214,290 | \$221,214 | \$228,082 | 5.8% |
| | | Ohio | \$9,250 | \$9,022 | \$7,697 | \$7,640 | \$7,524 | \$7,320 | \$6,868 | \$6,720 | \$7,744 | \$7,986 | \$8,201 | -11.3% |
| 23 | Construction | U.S. | \$634,355 | \$654,978 | \$640,208 | \$617,915 | \$619,391 | \$619,855 | \$611,652 | \$593,818 | \$570,871 | \$551,807 | \$497,245 | -21.6% |
| | | Ohio | \$23,758 | \$23,669 | \$21,668 | \$20,440 | \$19,792 | \$19,116 | \$17,430 | \$15,913 | \$14,827 | \$14,185 | \$13,312 | -44.0% |
| 31-33 | Manufacturing | U.S. | \$1,312,720 | \$1,396,510 | \$1,332,120 | \$1,365,340 | \$1,404,830 | \$1,517,860 | \$1,568,040 | \$1,636,590 | \$1,709,810 | \$1,647,420 | \$1,550,580 | 18.1% |
| | | Ohio | \$83,324 | \$84,291 | \$76,133 | \$79,890 | \$79,279 | \$84,590 | \$85,173 | \$84,484 | \$85,500 | \$79,599 | \$70,442 | -15.5% |
| 32p & 33 | Durable goods | U.S. | \$672,401 | \$747,470 | \$701,933 | \$728,029 | \$749,468 | \$817,684 | \$877,646 | \$937,509 | \$975,824 | \$978,413 | \$904,749 | 34.6% |
| | | Ohio | \$48,170 | \$52,443 | \$47,362 | \$49,501 | \$49,854 | \$54,625 | \$57,096 | \$56,980 | \$57,574 | \$57,158 | \$49,828 | 3.4% |
| 31 & 32p | Nondurable goods | U.S. | \$650,541 | \$649,552 | \$633,055 | \$638,924 | \$656,977 | \$701,215 | \$690,391 | \$699,707 | \$734,423 | \$673,917 | \$647,981 | -0.4% |
| | | Ohio | \$29,966 | \$28,290 | \$27,722 | \$29,825 | \$29,235 | \$30,090 | \$28,077 | \$28,318 | \$29,827 | \$25,396 | \$24,150 | -19.4% |
| 42 | Wholesale trade | U.S. | \$566,331 | \$606,014 | \$636,356 | \$642,402 | \$681,206 | \$717,796 | \$725,284 | \$747,454 | \$766,508 | \$761,869 | \$754,170 | 33.2% |
| | | Ohio | \$21,820 | \$22,220 | \$23,429 | \$23,496 | \$24,781 | \$26,093 | \$26,279 | \$27,056 | \$27,257 | \$27,138 | \$26,772 | 22.7% |
| 44-45 | Retail trade | U.S. | \$723,262 | \$751,393 | \$774,855 | \$800,435 | \$818,550 | \$818,841 | \$838,780 | \$854,155 | \$867,699 | \$822,572 | \$785,734 | 8.6% |
| | | Ohio | \$30,002 | \$30,929 | \$31,362 | \$32,178 | \$33,016 | \$32,198 | \$31,987 | \$30,606 | \$30,960 | \$29,281 | \$28,232 | -5.9% |
| 48-49p | Transportation & warehousing ¹ | U.S. | \$298,298 | \$318,248 | \$306,778 | \$302,587 | \$317,852 | \$346,768 | \$369,667 | \$386,148 | \$397,714 | \$387,958 | \$377,117 | 26.4% |
| | | Ohio | \$10,924 | \$11,733 | \$11,076 | \$11,103 | \$11,788 | \$12,820 | \$14,150 | \$14,807 | \$15,074 | \$14,897 | \$13,999 | 28.1% |
| 51 | Information | U.S. | \$412,590 | \$396,849 | \$426,446 | \$473,700 | \$485,834 | \$549,489 | \$592,563 | \$598,279 | \$633,946 | \$642,586 | \$652,984 | 58.3% |
| | | Ohio | \$9,923 | \$9,208 | \$9,824 | \$11,177 | \$11,607 | \$12,713 | \$13,491 | \$12,732 | \$13,461 | \$13,667 | \$13,819 | 39.3% |
| 52 | Finance & insurance | U.S. | \$755,328 | \$841,074 | \$937,251 | \$935,428 | \$947,901 | \$947,824 | \$1,028,520 | \$1,097,120 | \$1,081,790 | \$1,116,580 | \$1,085,930 | 43.8% |
| | | Ohio | \$27,631 | \$31,787 | \$32,587 | \$34,101 | \$35,206 | \$35,428 | \$37,776 | \$37,262 | \$37,107 | \$39,547 | \$40,998 | 48.4% |
| 53 | Real estate, rental & leasing | U.S. | \$1,369,590 | \$1,421,690 | \$1,462,170 | \$1,458,980 | \$1,482,080 | \$1,517,770 | \$1,577,940 | \$1,619,410 | \$1,693,210 | \$1,704,250 | \$1,665,770 | 21.6% |
| | | Ohio | \$46,128 | \$48,468 | \$50,069 | \$49,169 | \$48,310 | \$47,065 | \$46,219 | \$45,392 | \$46,737 | \$46,956 | \$47,033 | 2.0% |
| 54 | Professional & technical services | U.S. | \$714,326 | \$744,692 | \$768,265 | \$778,473 | \$790,515 | \$837,486 | \$875,641 | \$916,565 | \$940,603 | \$957,788 | \$940,626 | 31.7% |
| | | Ohio | \$21,206 | \$21,916 | \$21,769 | \$22,165 | \$22,290 | \$23,273 | \$23,626 | \$24,136 | \$24,866 | \$25,275 | \$24,812 | 17.0% |
| 55 | Management of companies & enterprises | U.S. | \$203,481 | \$215,084 | \$224,112 | \$225,323 | \$225,893 | \$221,081 | \$217,681 | \$219,847 | \$216,879 | \$221,996 | \$216,232 | 6.3% |
| | | Ohio | \$9,683 | \$9,730 | \$10,390 | \$12,134 | \$12,440 | \$12,226 | \$12,321 | \$12,502 | \$11,811 | \$12,283 | \$11,915 | 23.1% |
| 56 | Administrative & waste services | U.S. | \$293,212 | \$311,529 | \$310,737 | \$309,125 | \$331,715 | \$335,086 | \$368,495 | \$374,587 | \$394,494 | \$395,124 | \$369,474 | 26.0% |
| | | Ohio | \$11,428 | \$11,385 | \$11,094 | \$11,124 | \$12,122 | \$12,326 | \$13,117 | \$13,133 | \$13,670 | \$13,772 | \$12,649 | 10.7% |
| 61 | Educational services | U.S. | \$113,789 | \$116,046 | \$114,209 | \$119,721 | \$120,398 | \$123,459 | \$120,070 | \$121,005 | \$123,091 | \$125,822 | \$124,480 | 9.4% |
| | | Ohio | \$3,475 | \$3,585 | \$3,474 | \$3,542 | \$3,559 | \$3,648 | \$3,559 | \$3,656 | \$3,620 | \$3,683 | \$3,627 | 4.4% |
| 62 | Health care & social assistance | U.S. | \$692,392 | \$708,899 | \$731,073 | \$761,045 | \$789,112 | \$813,919 | \$833,337 | \$864,223 | \$882,256 | \$911,791 | \$927,626 | 34.0% |
| | | Ohio | \$29,659 | \$30,647 | \$31,642 | \$32,464 | \$33,585 | \$34,572 | \$35,135 | \$36,190 | \$36,094 | \$36,870 | \$37,327 | 25.9% |
| 71 | Arts, entertainment & recreation | U.S. | \$111,284 | \$114,976 | \$106,903 | \$112,177 | \$111,966 | \$116,678 | \$117,274 | \$122,962 | \$123,917 | \$127,050 | \$124,295 | 11.7% |
| | | Ohio | \$3,554 | \$3,298 | \$3,168 | \$3,177 | \$3,114 | \$3,082 | \$3,041 | \$3,101 | \$3,093 | \$3,128 | \$3,045 | -14.3% |
| 72 | Accommodation & food services | U.S. | \$314,276 | \$327,836 | \$329,054 | \$331,799 | \$342,115 | \$355,782 | \$364,307 | \$373,102 | \$379,234 | \$369,536 | \$357,068 | 13.6% |
| | | Ohio | \$9,864 | \$10,189 | \$10,086 | \$10,180 | \$10,497 | \$10,776 | \$10,704 | \$10,557 | \$10,810 | \$10,437 | \$10,114 | 2.5% |
| 81 | Other services, exc. government | U.S. | \$341,305 | \$346,571 | \$310,354 | \$320,132 | \$314,949 | \$317,309 | \$318,454 | \$318,802 | \$325,919 | \$324,990 | \$310,259 | -9.1% |
| | | Ohio | \$12,918 | \$12,872 | \$11,754 | \$11,982 | \$11,613 | \$11,586 | \$11,200 | \$10,787 | \$10,913 | \$10,669 | \$10,117 | -21.7% |
| 92 | Government ² | U.S. | \$1,412,270 | \$1,437,500 | \$1,453,000 | \$1,481,130 | \$1,492,340 | \$1,497,410 | \$1,502,060 | \$1,510,720 | \$1,530,500 | \$1,561,600 | \$1,586,400 | 12.3% |
| | | Ohio | \$48,084 | \$49,014 | \$49,241 | \$49,923 | \$49,711 | \$49,013 | \$48,489 | \$47,292 | \$47,200 | \$47,515 | \$47,958 | -0.3% |

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 (2010), Woodruff, et.al. (2006).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A3: Ohio's Gross Domestic Product by Industry, 1999-2008 (in millions of current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 ^b |
| 11-92 | All Industries* | \$363,943 | \$381,175 | \$382,640 | \$397,973 | \$409,973 | \$428,974 | \$444,715 | \$454,145 | \$471,119 | \$477,245 |
| 11-81 | Private industries | \$326,439 | \$341,648 | \$341,318 | \$354,374 | \$364,376 | \$382,095 | \$396,226 | \$404,640 | \$419,582 | \$423,777 |
| 11 | Agriculture, forestry, fishing & hunting | \$1,630 | \$1,967 | \$1,894 | \$1,738 | \$2,100 | \$2,878 | \$2,351 | \$2,392 | \$2,899 | \$3,205 |
| 111-2 | Crop & animal production (farms) | \$1,387 | \$1,727 | \$1,641 | \$1,503 | \$1,851 | \$2,618 | \$2,091 | \$2,103 | \$2,595 | \$2,892 |
| 113-5 | Forestry, fishing & related activities | \$243 | \$239 | \$254 | \$235 | \$250 | \$260 | \$260 | \$288 | \$304 | \$314 |
| 21 | Mining | \$1,181 | \$1,377 | \$1,503 | \$1,363 | \$1,467 | \$1,675 | \$1,800 | \$1,919 | \$1,917 | \$2,258 |
| 211 | Oil & gas extraction | \$270 | \$349 | \$394 | \$566 | \$607 | \$675 | \$715 | \$739 | \$665 | \$804 |
| 212 | Mining, except oil & gas | \$844 | \$948 | \$1,003 | \$696 | \$727 | \$782 | \$809 | \$824 | \$828 | \$940 |
| 213 | Support activities for mining | \$68 | \$80 | \$105 | \$101 | \$134 | \$218 | \$276 | \$356 | \$424 | \$515 |
| 22 | Utilities | \$7,415 | \$7,038 | \$7,075 | \$6,898 | \$6,953 | \$7,056 | \$6,868 | \$7,664 | \$8,927 | \$9,213 |
| 23 | Construction | \$16,044 | \$16,887 | \$16,602 | \$16,352 | \$16,486 | \$17,099 | \$17,430 | \$17,448 | \$17,173 | \$16,434 |
| 31-33 | Manufacturing | \$83,541 | \$83,983 | \$76,821 | \$79,640 | \$78,013 | \$83,265 | \$85,173 | \$85,583 | \$86,804 | \$82,065 |
| 32p & 33 | Durable goods | \$57,487 | \$58,872 | \$51,196 | \$52,202 | \$50,964 | \$54,916 | \$57,096 | \$56,105 | \$55,875 | \$53,944 |
| 321 | Wood products | \$1,039 | \$1,053 | \$976 | \$1,036 | \$810 | \$1,117 | \$1,042 | \$933 | \$919 | \$918 |
| 327 | Nonmetallic mineral products | \$3,345 | \$3,199 | \$2,846 | \$3,068 | \$2,882 | \$2,659 | \$2,518 | \$2,381 | \$2,450 | \$2,338 |
| 331 | Primary metals | \$6,690 | \$6,473 | \$4,902 | \$4,536 | \$3,889 | \$5,560 | \$6,694 | \$6,500 | \$6,828 | \$6,396 |
| 332 | Fabricated metal products | \$10,226 | \$10,407 | \$8,960 | \$8,838 | \$9,169 | \$9,708 | \$10,119 | \$10,698 | \$11,121 | \$12,224 |
| 333 | Machinery | \$7,034 | \$6,697 | \$6,234 | \$5,643 | \$5,692 | \$6,111 | \$6,873 | \$6,675 | \$7,016 | \$6,872 |
| 334 | Computer & electronic products | \$2,691 | \$2,933 | \$2,018 | \$1,716 | \$1,616 | \$2,152 | \$2,911 | \$2,874 | \$2,770 | \$3,238 |
| 335 | Electrical equipment & appliances | \$3,900 | \$4,075 | \$3,711 | \$3,834 | \$4,543 | \$3,834 | \$3,939 | \$3,687 | \$3,664 | \$3,982 |
| 336 | Transportation equipment | \$19,197 | \$20,565 | \$18,221 | \$19,899 | \$18,992 | \$20,200 | \$19,322 | \$18,573 | \$17,402 | \$14,622 |
| 3361-3 | Motor vehicles, bodies, trailers & parts | \$16,069 | \$16,753 | \$14,479 | \$16,564 | \$15,602 | \$16,671 | \$15,484 | \$14,614 | \$12,929 | \$10,622 |
| 3364-9 | Other transportation equipment | \$3,128 | \$3,812 | \$3,742 | \$3,335 | \$3,390 | \$3,529 | \$3,838 | \$3,959 | \$4,473 | \$4,000 |
| 337 | Furniture & related products | \$1,481 | \$1,504 | \$1,444 | \$1,530 | \$1,490 | \$1,462 | \$1,642 | \$1,621 | \$1,564 | \$1,248 |
| 339 | Miscellaneous mfg. | \$1,884 | \$1,965 | \$1,884 | \$2,102 | \$1,879 | \$2,114 | \$2,035 | \$2,163 | \$2,141 | \$2,105 |
| 31 & 32p | Nondurable goods ¹ | \$26,054 | \$25,111 | \$25,625 | \$27,438 | \$27,049 | \$28,349 | \$28,077 | \$29,478 | \$30,929 | \$28,122 |
| 311-2 | Food products | \$7,019 | \$6,591 | \$7,594 | \$8,125 | \$7,405 | \$7,507 | \$7,004 | \$7,599 | \$7,856 | \$7,684 |
| 313-4 | Textile & textile product mills | \$488 | \$484 | \$473 | \$426 | \$338 | \$432 | \$380 | \$349 | \$441 | \$347 |
| 315 | Apparel | \$135 | \$144 | \$179 | \$182 | \$211 | \$211 | \$227 | \$204 | \$257 | \$237 |
| 322 | Paper | \$2,526 | \$2,471 | \$2,269 | \$2,360 | \$2,029 | \$2,245 | \$2,213 | \$2,457 | \$2,501 | \$2,361 |
| 323 | Printing & related support activities | \$1,974 | \$1,961 | \$1,844 | \$1,938 | \$2,016 | \$2,045 | \$2,078 | \$2,025 | \$1,943 | \$1,723 |
| 324 | Petroleum & coal products | \$888 | \$1,700 | \$2,004 | \$1,428 | \$1,956 | \$2,527 | \$3,702 | \$4,181 | \$3,073 | \$2,332 |
| 325 | Chemical | \$6,930 | \$6,010 | \$6,363 | \$7,521 | \$7,722 | \$8,025 | \$6,983 | \$7,490 | \$9,151 | \$8,475 |
| 326 | Plastics & rubber products | \$6,094 | \$5,749 | \$4,899 | \$5,458 | \$5,372 | \$5,358 | \$5,490 | \$5,173 | \$5,706 | \$4,964 |
| 42 | Wholesale trade | \$22,312 | \$22,646 | \$22,580 | \$22,489 | \$23,211 | \$24,883 | \$26,279 | \$27,856 | \$29,033 | \$29,245 |
| 44-45 | Retail trade | \$27,103 | \$28,247 | \$28,490 | \$29,393 | \$31,015 | \$31,249 | \$31,987 | \$31,355 | \$31,857 | \$30,825 |
| 48-49p | Transportation & warehousing ² | \$10,514 | \$11,111 | \$10,925 | \$11,096 | \$11,859 | \$12,830 | \$14,150 | \$15,165 | \$15,453 | \$15,566 |
| 481 | Air transportation | \$965 | \$949 | \$709 | \$892 | \$1,243 | \$1,292 | \$1,404 | \$1,495 | \$1,491 | \$1,573 |
| 482 | Rail transportation | \$882 | \$909 | \$879 | \$849 | \$894 | \$936 | \$1,013 | \$1,115 | \$1,120 | \$1,148 |
| 483 | Water transportation | \$210 | \$257 | \$227 | \$193 | \$191 | \$140 | \$143 | \$159 | \$139 | \$121 |
| 484 | Truck transportation | \$4,604 | \$4,549 | \$4,788 | \$4,866 | \$5,064 | \$5,477 | \$5,908 | \$6,145 | \$6,249 | \$6,214 |
| 485 | Transit & ground passenger transportation | \$269 | \$269 | \$280 | \$308 | \$310 | \$336 | \$333 | \$348 | \$361 | \$360 |
| 486 | Pipeline transportation | \$89 | \$82 | \$102 | \$132 | \$124 | \$126 | \$135 | \$142 | \$160 | \$153 |
| 487-8, 492 | Other transportation & support activities | \$2,516 | \$2,997 | \$2,904 | \$2,783 | \$2,821 | \$3,036 | \$3,383 | \$3,679 | \$3,580 | \$3,658 |
| 493 | Warehousing & storage | \$980 | \$1,100 | \$1,036 | \$1,074 | \$1,212 | \$1,487 | \$1,831 | \$2,083 | \$2,351 | \$2,338 |
| 51 | Information | \$10,548 | \$9,695 | \$10,391 | \$11,791 | \$12,151 | \$13,052 | \$13,491 | \$12,625 | \$13,224 | \$13,240 |
| 511 | Publishing including software | \$3,530 | \$2,547 | \$2,783 | \$3,684 | \$4,013 | \$4,568 | \$4,825 | \$4,040 | \$4,257 | \$4,302 |
| 512 | Motion picture & sound recording industries | \$345 | \$283 | \$314 | \$319 | \$308 | \$315 | \$312 | \$320 | \$325 | \$310 |
| 513 | Broadcasting & telecommunications | \$5,963 | \$6,356 | \$6,387 | \$6,408 | \$6,339 | \$6,638 | \$6,963 | \$6,811 | \$7,693 | \$7,594 |
| 514 | Information & data processing svcs. | \$710 | \$509 | \$908 | \$1,380 | \$1,492 | \$1,532 | \$1,391 | \$1,454 | \$950 | \$1,034 |

Table A3: Ohio's Gross Domestic Product by Industry, 1999-2008 (in millions of current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 ¹ |
| 52 | Finance & insurance | \$24,940 | \$28,799 | \$29,160 | \$31,480 | \$33,544 | \$34,734 | \$37,776 | \$37,548 | \$38,475 | \$42,500 |
| 521-2 | Federal Reserve, credit intermediation, etc. | \$12,596 | \$13,996 | \$15,381 | \$18,856 | \$20,236 | \$19,875 | \$21,749 | \$20,719 | \$20,100 | \$20,413 |
| 523 | Securities, commodity contracts, investments | \$1,733 | \$1,724 | \$2,364 | \$2,115 | \$1,949 | \$1,920 | \$2,267 | \$2,467 | \$2,236 | \$2,127 |
| 524 | Insurance carriers & related activities | \$10,214 | \$12,652 | \$11,189 | \$10,292 | \$11,144 | \$12,728 | \$13,515 | \$14,041 | \$15,751 | \$19,451 |
| 525 | Funds, trusts & other financial vehicles | \$398 | \$427 | \$227 | \$216 | \$215 | \$211 | \$244 | \$321 | \$388 | \$508 |
| 53 | Real estate, rental & leasing | \$38,808 | \$42,126 | \$45,068 | \$45,791 | \$46,058 | \$45,907 | \$46,219 | \$46,868 | \$49,250 | \$50,765 |
| 531 | Real estate | \$34,564 | \$37,157 | \$39,898 | \$40,629 | \$41,464 | \$41,363 | \$41,520 | \$41,437 | \$43,554 | \$45,107 |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$4,245 | \$4,970 | \$5,169 | \$5,162 | \$4,593 | \$4,544 | \$4,698 | \$5,431 | \$5,695 | \$5,658 |
| 54 | Professional & technical svcs. | \$18,020 | \$19,495 | \$19,866 | \$20,470 | \$21,020 | \$22,523 | \$23,626 | \$25,074 | \$27,066 | \$28,251 |
| 5411 | Legal svcs. | \$3,686 | \$3,891 | \$3,969 | \$4,220 | \$4,236 | \$4,522 | \$4,607 | \$4,508 | \$4,757 | \$4,794 |
| 5415 | Computer systems design & related svcs. | \$3,067 | \$3,070 | \$3,349 | \$3,272 | \$3,376 | \$3,616 | \$3,883 | \$4,355 | \$5,021 | \$5,325 |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$11,267 | \$12,534 | \$12,549 | \$12,977 | \$13,409 | \$14,385 | \$15,136 | \$16,211 | \$17,287 | \$18,132 |
| 55 | Management of companies & enterprises | \$7,047 | \$7,740 | \$8,092 | \$9,603 | \$10,586 | \$11,231 | \$12,321 | \$13,321 | \$13,888 | \$14,421 |
| 56 | Administrative & waste svcs. | \$9,942 | \$10,352 | \$10,532 | \$10,833 | \$11,755 | \$12,258 | \$13,117 | \$13,499 | \$14,488 | \$14,523 |
| 561 | Administrative & support svcs. | \$8,876 | \$9,249 | \$9,335 | \$9,590 | \$10,285 | \$10,780 | \$11,581 | \$12,122 | \$13,055 | \$13,078 |
| 562 | Waste management & remediation svcs. | \$1,067 | \$1,104 | \$1,197 | \$1,243 | \$1,470 | \$1,478 | \$1,536 | \$1,377 | \$1,433 | \$1,445 |
| 61 | Educational svcs. | \$2,427 | \$2,652 | \$2,698 | \$2,924 | \$3,135 | \$3,427 | \$3,559 | \$3,888 | \$4,032 | \$4,270 |
| 62 | Health care & social assistance | \$23,946 | \$25,599 | \$27,722 | \$29,474 | \$31,546 | \$33,572 | \$35,135 | \$37,124 | \$38,436 | \$40,092 |
| 621 | Ambulatory health care svcs. | \$10,792 | \$11,844 | \$12,525 | \$13,236 | \$14,103 | \$14,936 | \$15,764 | \$16,626 | \$17,206 | \$17,912 |
| 622-3 | Hospitals & nursing & residential care facilities | \$11,683 | \$12,182 | \$13,348 | \$14,262 | \$15,354 | \$16,474 | \$17,037 | \$18,016 | \$18,558 | \$19,329 |
| 624 | Social assistance | \$1,471 | \$1,574 | \$1,848 | \$1,975 | \$2,088 | \$2,162 | \$2,333 | \$2,482 | \$2,672 | \$2,851 |
| 71 | Arts, entertainment & recreation | \$2,905 | \$2,828 | \$2,810 | \$2,893 | \$2,941 | \$2,993 | \$3,041 | \$3,192 | \$3,290 | \$3,399 |
| 711-2 | Performing arts, museums & related activities | \$1,417 | \$1,260 | \$1,439 | \$1,508 | \$1,564 | \$1,532 | \$1,569 | \$1,659 | \$1,812 | \$1,811 |
| 713 | Amusements, gambling & recreation | \$1,489 | \$1,568 | \$1,371 | \$1,385 | \$1,377 | \$1,460 | \$1,472 | \$1,533 | \$1,478 | \$1,588 |
| 72 | Accommodation & food svcs. | \$8,300 | \$8,797 | \$9,083 | \$9,481 | \$9,854 | \$10,402 | \$10,704 | \$10,886 | \$11,562 | \$11,507 |
| 721 | Accommodation | \$1,392 | \$1,417 | \$1,443 | \$1,507 | \$1,498 | \$1,581 | \$1,634 | \$1,624 | \$1,749 | \$1,770 |
| 722 | Food services & drinking places | \$6,908 | \$7,380 | \$7,640 | \$7,973 | \$8,357 | \$8,822 | \$9,070 | \$9,261 | \$9,813 | \$9,737 |
| 81 | Other svcs., except government | \$9,815 | \$10,310 | \$10,006 | \$10,666 | \$10,681 | \$11,063 | \$11,200 | \$11,234 | \$11,808 | \$11,998 |
| 92 | Government | \$37,504 | \$39,527 | \$41,323 | \$43,598 | \$45,596 | \$46,879 | \$48,489 | \$49,505 | \$51,537 | \$53,468 |
| 92a & b | Federal government | \$7,215 | \$7,733 | \$7,719 | \$8,371 | \$8,948 | \$9,411 | \$9,668 | \$9,861 | \$10,212 | \$10,475 |
| 92a | Civilian ³ | \$6,030 | \$6,488 | \$6,413 | \$6,788 | \$7,035 | \$7,343 | \$7,432 | \$7,673 | \$8,012 | \$8,112 |
| 92b | Military | \$1,185 | \$1,245 | \$1,306 | \$1,583 | \$1,913 | \$2,068 | \$2,236 | \$2,188 | \$2,200 | \$2,363 |
| 92c | State & local | \$30,289 | \$31,794 | \$33,605 | \$35,227 | \$36,648 | \$37,468 | \$38,821 | \$39,643 | \$41,326 | \$42,993 |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

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Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1999-2008 (based on current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
| 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 | 89.70% | 89.63% | 89.20% | 89.04% | 88.88% | 89.07% | 89.10% | 89.10% | 89.06% | 88.80% |
| 11 | Agriculture, forestry, fishing & hunting | 0.45% | 0.52% | 0.49% | 0.44% | 0.51% | 0.67% | 0.53% | 0.53% | 0.62% | 0.67% |
| 111-2 | Crop & animal production (farms) | 0.38% | 0.45% | 0.43% | 0.38% | 0.45% | 0.61% | 0.47% | 0.46% | 0.55% | 0.61% |
| 113-5 | Forestry, fishing & related activities | 0.07% | 0.06% | 0.07% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.07% |
| 21 | Mining | 0.32% | 0.36% | 0.39% | 0.34% | 0.36% | 0.39% | 0.40% | 0.42% | 0.41% | 0.47% |
| 211 | Oil & gas extraction | 0.07% | 0.09% | 0.10% | 0.14% | 0.15% | 0.16% | 0.16% | 0.16% | 0.14% | 0.17% |
| 212 | Mining, except oil & gas | 0.23% | 0.25% | 0.26% | 0.17% | 0.18% | 0.18% | 0.18% | 0.18% | 0.18% | 0.20% |
| 213 | Support activities for mining | 0.02% | 0.02% | 0.03% | 0.03% | 0.03% | 0.05% | 0.06% | 0.08% | 0.09% | 0.11% |
| 22 | Utilities | 2.04% | 1.85% | 1.85% | 1.73% | 1.70% | 1.64% | 1.54% | 1.69% | 1.89% | 1.93% |
| 23 | Construction | 4.41% | 4.43% | 4.34% | 4.11% | 4.02% | 3.99% | 3.92% | 3.84% | 3.65% | 3.44% |
| 31-33 | Manufacturing | 22.95% | 22.03% | 20.08% | 20.01% | 19.03% | 19.41% | 19.15% | 18.84% | 18.43% | 17.20% |
| 32p & 33 | Durable goods | 15.80% | 15.44% | 13.38% | 13.12% | 12.43% | 12.80% | 12.84% | 12.35% | 11.86% | 11.30% |
| 321 | Wood products | 0.29% | 0.28% | 0.26% | 0.26% | 0.20% | 0.26% | 0.23% | 0.21% | 0.20% | 0.19% |
| 327 | Nonmetallic mineral products | 0.92% | 0.84% | 0.74% | 0.77% | 0.70% | 0.62% | 0.57% | 0.52% | 0.52% | 0.49% |
| 331 | Primary metals | 1.84% | 1.70% | 1.28% | 1.14% | 0.95% | 1.30% | 1.51% | 1.43% | 1.45% | 1.34% |
| 332 | Fabricated metal products | 2.81% | 2.73% | 2.34% | 2.22% | 2.24% | 2.26% | 2.28% | 2.36% | 2.36% | 2.56% |
| 333 | Machinery | 1.93% | 1.76% | 1.63% | 1.42% | 1.39% | 1.42% | 1.55% | 1.47% | 1.49% | 1.44% |
| 334 | Computer & electronic products | 0.74% | 0.77% | 0.53% | 0.43% | 0.39% | 0.50% | 0.65% | 0.63% | 0.59% | 0.68% |
| 335 | Electrical equipment & appliances | 1.07% | 1.07% | 0.97% | 0.96% | 1.11% | 0.89% | 0.89% | 0.81% | 0.78% | 0.83% |
| 336 | Transportation equipment | 5.27% | 5.40% | 4.76% | 5.00% | 4.63% | 4.71% | 4.34% | 4.09% | 3.69% | 3.06% |
| 3361-3 | Motor vehicles, bodies, trailers & parts | 4.42% | 4.40% | 3.78% | 4.16% | 3.81% | 3.89% | 3.48% | 3.22% | 2.74% | 2.23% |
| 3364-9 | Other transportation equipment | 0.86% | 1.00% | 0.98% | 0.84% | 0.83% | 0.82% | 0.86% | 0.87% | 0.95% | 0.84% |
| 337 | Furniture & related products | 0.41% | 0.39% | 0.38% | 0.38% | 0.36% | 0.34% | 0.37% | 0.36% | 0.33% | 0.26% |
| 339 | Miscellaneous mfg. | 0.52% | 0.52% | 0.49% | 0.53% | 0.46% | 0.49% | 0.46% | 0.48% | 0.45% | 0.44% |
| 31 & 32p | Nondurable goods ¹ | 7.16% | 6.59% | 6.70% | 6.89% | 6.60% | 6.61% | 6.31% | 6.49% | 6.57% | 5.89% |
| 311-2 | Food products | 1.93% | 1.73% | 1.98% | 2.04% | 1.81% | 1.75% | 1.57% | 1.67% | 1.67% | 1.61% |
| 313-4 | Textile & textile product mills | 0.13% | 0.13% | 0.12% | 0.11% | 0.08% | 0.10% | 0.09% | 0.08% | 0.09% | 0.07% |
| 315 | Apparel | 0.04% | 0.04% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.04% | 0.05% | 0.05% |
| 322 | Paper | 0.69% | 0.65% | 0.59% | 0.59% | 0.49% | 0.52% | 0.50% | 0.54% | 0.53% | 0.49% |
| 323 | Printing & related support activities | 0.54% | 0.51% | 0.48% | 0.49% | 0.49% | 0.48% | 0.47% | 0.45% | 0.41% | 0.36% |
| 324 | Petroleum & coal products | 0.24% | 0.45% | 0.52% | 0.36% | 0.48% | 0.59% | 0.83% | 0.92% | 0.65% | 0.49% |
| 325 | Chemical | 1.90% | 1.58% | 1.66% | 1.89% | 1.88% | 1.87% | 1.57% | 1.65% | 1.94% | 1.78% |
| 326 | Plastics & rubber products | 1.67% | 1.51% | 1.28% | 1.37% | 1.31% | 1.25% | 1.23% | 1.14% | 1.21% | 1.04% |
| 42 | Wholesale trade | 6.13% | 5.94% | 5.90% | 5.65% | 5.66% | 5.80% | 5.91% | 6.13% | 6.16% | 6.13% |
| 44-45 | Retail trade | 7.45% | 7.41% | 7.45% | 7.39% | 7.57% | 7.28% | 7.19% | 6.90% | 6.76% | 6.46% |
| 48-49p | Transportation & warehousing ² | 2.89% | 2.91% | 2.86% | 2.79% | 2.89% | 2.99% | 3.18% | 3.34% | 3.28% | 3.26% |
| 481 | Air transportation | 0.27% | 0.25% | 0.19% | 0.22% | 0.30% | 0.30% | 0.32% | 0.33% | 0.32% | 0.33% |
| 482 | Rail transportation | 0.24% | 0.24% | 0.23% | 0.21% | 0.22% | 0.22% | 0.23% | 0.25% | 0.24% | 0.24% |
| 483 | Water transportation | 0.06% | 0.07% | 0.06% | 0.05% | 0.05% | 0.03% | 0.03% | 0.04% | 0.03% | 0.03% |
| 484 | Truck transportation | 1.27% | 1.19% | 1.25% | 1.22% | 1.24% | 1.28% | 1.33% | 1.35% | 1.33% | 1.30% |
| 485 | Transit & ground passenger transportation | 0.07% | 0.07% | 0.07% | 0.08% | 0.08% | 0.08% | 0.07% | 0.08% | 0.08% | 0.08% |
| 486 | Pipeline transportation | 0.02% | 0.02% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% |
| 487-8, 492 | Other transportation & support activities | 0.69% | 0.79% | 0.76% | 0.70% | 0.69% | 0.71% | 0.76% | 0.81% | 0.76% | 0.77% |
| 493 | Warehousing & storage | 0.27% | 0.29% | 0.27% | 0.27% | 0.30% | 0.35% | 0.41% | 0.46% | 0.50% | 0.49% |
| 51 | Information | 2.90% | 2.54% | 2.72% | 2.96% | 2.96% | 3.04% | 3.03% | 2.78% | 2.81% | 2.77% |
| 511 | Publishing including software | 0.97% | 0.67% | 0.73% | 0.93% | 0.98% | 1.06% | 1.08% | 0.89% | 0.90% | 0.90% |
| 512 | Motion picture & sound recording industries | 0.09% | 0.07% | 0.08% | 0.08% | 0.08% | 0.07% | 0.07% | 0.07% | 0.07% | 0.06% |
| 513 | Broadcasting & telecommunications | 1.64% | 1.67% | 1.67% | 1.61% | 1.55% | 1.55% | 1.57% | 1.50% | 1.63% | 1.59% |
| 514 | Information & data processing svcs. | 0.20% | 0.13% | 0.24% | 0.35% | 0.36% | 0.36% | 0.31% | 0.32% | 0.20% | 0.22% |

Table A4: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1999-2008 (based on current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 ¹ |
| 52 | Finance & insurance | 6.85% | 7.56% | 7.62% | 7.91% | 8.18% | 8.10% | 8.49% | 8.27% | 8.17% | 8.91% |
| 521-2 | Federal Reserve, credit intermediation, etc. | 3.46% | 3.67% | 4.02% | 4.74% | 4.94% | 4.63% | 4.89% | 4.56% | 4.27% | 4.28% |
| 523 | Securities, commodity contracts, investments | 0.48% | 0.45% | 0.62% | 0.53% | 0.48% | 0.45% | 0.51% | 0.54% | 0.47% | 0.45% |
| 524 | Insurance carriers & related activities | 2.81% | 3.32% | 2.92% | 2.59% | 2.72% | 2.97% | 3.04% | 3.09% | 3.34% | 4.08% |
| 525 | Funds, trusts & other financial vehicles | 0.11% | 0.11% | 0.06% | 0.05% | 0.05% | 0.05% | 0.05% | 0.07% | 0.08% | 0.11% |
| 53 | Real estate, rental & leasing | 10.66% | 11.05% | 11.78% | 11.51% | 11.23% | 10.70% | 10.39% | 10.32% | 10.45% | 10.64% |
| 531 | Real estate | 9.50% | 9.75% | 10.43% | 10.21% | 10.11% | 9.64% | 9.34% | 9.12% | 9.24% | 9.45% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | 1.17% | 1.30% | 1.35% | 1.30% | 1.12% | 1.06% | 1.06% | 1.20% | 1.21% | 1.19% |
| 54 | Professional & technical svcs. | 4.95% | 5.11% | 5.19% | 5.14% | 5.13% | 5.25% | 5.31% | 5.52% | 5.75% | 5.92% |
| 5411 | Legal svcs. | 1.01% | 1.02% | 1.04% | 1.06% | 1.03% | 1.05% | 1.04% | 0.99% | 1.01% | 1.00% |
| 5415 | Computer systems design & related svcs. | 0.84% | 0.81% | 0.88% | 0.82% | 0.82% | 0.84% | 0.87% | 0.96% | 1.07% | 1.12% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | 3.10% | 3.29% | 3.28% | 3.26% | 3.27% | 3.35% | 3.40% | 3.57% | 3.67% | 3.80% |
| 55 | Management of companies & enterprises | 1.94% | 2.03% | 2.11% | 2.41% | 2.58% | 2.62% | 2.77% | 2.93% | 2.95% | 3.02% |
| 56 | Administrative & waste svcs. | 2.73% | 2.72% | 2.75% | 2.72% | 2.87% | 2.86% | 2.95% | 2.97% | 3.08% | 3.04% |
| 561 | Administrative & support svcs. | 2.44% | 2.43% | 2.44% | 2.41% | 2.51% | 2.51% | 2.60% | 2.67% | 2.77% | 2.74% |
| 562 | Waste management & remediation svcs. | 0.29% | 0.29% | 0.31% | 0.31% | 0.36% | 0.34% | 0.35% | 0.30% | 0.30% | 0.30% |
| 61 | Educational svcs. | 0.67% | 0.70% | 0.71% | 0.73% | 0.76% | 0.80% | 0.80% | 0.86% | 0.86% | 0.89% |
| 62 | Health care & social assistance | 6.58% | 6.72% | 7.24% | 7.41% | 7.69% | 7.83% | 7.90% | 8.17% | 8.16% | 8.40% |
| 621 | Ambulatory health care svcs. | 2.97% | 3.11% | 3.27% | 3.33% | 3.44% | 3.48% | 3.54% | 3.66% | 3.65% | 3.75% |
| 622-3 | Hospitals & nursing & residential care facilities | 3.21% | 3.20% | 3.49% | 3.58% | 3.75% | 3.84% | 3.83% | 3.97% | 3.94% | 4.05% |
| 624 | Social assistance | 0.40% | 0.41% | 0.48% | 0.50% | 0.51% | 0.50% | 0.52% | 0.55% | 0.57% | 0.60% |
| 71 | Arts, entertainment & recreation | 0.80% | 0.74% | 0.73% | 0.73% | 0.72% | 0.70% | 0.68% | 0.70% | 0.70% | 0.71% |
| 711-2 | Performing arts, museums & related activities | 0.39% | 0.33% | 0.38% | 0.38% | 0.38% | 0.36% | 0.35% | 0.37% | 0.38% | 0.38% |
| 713 | Amusements, gambling & recreation | 0.41% | 0.41% | 0.36% | 0.35% | 0.34% | 0.34% | 0.33% | 0.34% | 0.31% | 0.33% |
| 72 | Accommodation & food svcs. | 2.28% | 2.31% | 2.37% | 2.38% | 2.40% | 2.42% | 2.41% | 2.40% | 2.45% | 2.41% |
| 721 | Accommodation | 0.38% | 0.37% | 0.38% | 0.38% | 0.37% | 0.37% | 0.37% | 0.36% | 0.37% | 0.37% |
| 722 | Food services & drinking places | 1.90% | 1.94% | 2.00% | 2.00% | 2.04% | 2.06% | 2.04% | 2.04% | 2.08% | 2.04% |
| 81 | Other svcs., except government | 2.70% | 2.70% | 2.61% | 2.68% | 2.61% | 2.58% | 2.52% | 2.47% | 2.51% | 2.51% |
| 92 | Government | 10.30% | 10.37% | 10.80% | 10.96% | 11.12% | 10.93% | 10.90% | 10.90% | 10.94% | 11.20% |
| 92a & b | Federal government | 1.98% | 2.03% | 2.02% | 2.10% | 2.18% | 2.19% | 2.17% | 2.17% | 2.17% | 2.19% |
| 92a | Civilian ³ | 1.66% | 1.70% | 1.68% | 1.71% | 1.72% | 1.71% | 1.67% | 1.69% | 1.70% | 1.70% |
| 92b | Military | 0.33% | 0.33% | 0.34% | 0.40% | 0.47% | 0.48% | 0.50% | 0.48% | 0.47% | 0.50% |
| 92c | State & local | 8.32% | 8.34% | 8.78% | 8.85% | 8.94% | 8.73% | 8.73% | 8.73% | 8.77% | 9.01% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A5: Ohio's Gross Domestic Product by Industry, 1999-2008 (in millions of chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Percent Change 1999-2008 |
|------------------|---|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|--------------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 ^b | |
| 11-92 | All Industries* | \$418,172 | \$429,113 | \$420,384 | \$429,748 | \$433,973 | \$442,320 | \$444,715 | \$440,704 | \$444,925 | \$441,778 | 5.6% |
| 11-81 | Private industries | \$369,965 | \$380,058 | \$371,235 | \$379,821 | \$384,244 | \$393,298 | \$396,226 | \$393,316 | \$397,614 | \$394,173 | 6.5% |
| 11 | Agriculture, forestry, fishing & hunting | \$1,630 | \$2,134 | \$1,927 | \$1,920 | \$2,094 | \$2,474 | \$2,351 | \$2,501 | \$2,382 | \$2,598 | 59.4% |
| 111-2 | Crop & animal production (farms) | \$1,417 | \$1,960 | \$1,673 | \$1,687 | \$1,833 | \$2,168 | \$2,091 | \$2,241 | \$2,045 | \$2,264 | 59.8% |
| 113-5 | Forestry, fishing & related activities | \$226 | \$224 | \$256 | \$247 | \$256 | \$264 | \$260 | \$282 | \$287 | \$284 | 25.7% |
| 21 | Mining | \$3,813 | \$2,939 | \$3,310 | \$3,310 | \$2,518 | \$2,411 | \$1,800 | \$1,740 | \$1,570 | \$1,463 | -61.6% |
| 211 | Oil & gas extraction | \$1,410 | \$802 | \$965 | \$1,712 | \$1,095 | \$991 | \$715 | \$732 | \$612 | \$515 | -63.5% |
| 212 | Mining, except oil & gas | \$1,351 | \$1,549 | \$1,619 | \$1,076 | \$1,072 | \$985 | \$809 | \$712 | \$630 | \$611 | -54.8% |
| 213 | Support activities for mining | \$121 | \$171 | \$217 | \$183 | \$223 | \$345 | \$276 | \$235 | \$236 | \$325 | 168.6% |
| 22 | Utilities | \$9,250 | \$9,022 | \$7,697 | \$7,640 | \$7,524 | \$7,320 | \$6,868 | \$6,720 | \$7,744 | \$7,986 | -13.7% |
| 23 | Construction | \$23,758 | \$23,669 | \$21,668 | \$20,440 | \$19,792 | \$19,116 | \$17,430 | \$15,913 | \$14,827 | \$14,185 | -40.3% |
| 31-33 | Manufacturing | \$83,324 | \$84,291 | \$76,133 | \$79,890 | \$79,279 | \$84,590 | \$85,173 | \$84,484 | \$85,500 | \$79,599 | -4.5% |
| 32p & 33 | Durable goods | \$48,170 | \$52,443 | \$47,362 | \$49,501 | \$49,854 | \$54,625 | \$57,096 | \$56,980 | \$57,574 | \$57,158 | 18.7% |
| 321 | Wood products | \$1,132 | \$1,221 | \$1,130 | \$1,218 | \$917 | \$1,088 | \$1,042 | \$1,012 | \$1,157 | \$1,231 | 8.7% |
| 327 | Nonmetallic mineral products | \$3,555 | \$3,413 | \$3,068 | \$3,228 | \$3,126 | \$2,851 | \$2,518 | \$2,103 | \$2,178 | \$2,177 | -38.8% |
| 331 | Primary metals | \$9,297 | \$8,695 | \$7,088 | \$6,595 | \$5,796 | \$6,422 | \$6,694 | \$5,063 | \$5,014 | \$4,418 | -52.5% |
| 332 | Fabricated metal products | \$10,796 | \$11,176 | \$9,349 | \$9,247 | \$9,786 | \$10,274 | \$10,119 | \$10,745 | \$10,720 | \$11,400 | 5.6% |
| 333 | Machinery | \$7,035 | \$6,748 | \$6,077 | \$5,486 | \$5,601 | \$6,267 | \$6,873 | \$6,653 | \$6,839 | \$6,762 | -3.9% |
| 334 | Computer & electronic products | \$938 | \$1,389 | \$1,278 | \$1,220 | \$1,313 | \$1,952 | \$2,911 | \$3,216 | \$3,485 | \$4,531 | 383.0% |
| 335 | Electrical equipment & appliances | \$3,693 | \$3,935 | \$3,485 | \$3,651 | \$4,478 | \$3,896 | \$3,939 | \$3,632 | \$3,426 | \$3,659 | -0.9% |
| 336 | Transportation equipment | \$16,629 | \$17,883 | \$15,552 | \$17,407 | \$16,789 | \$18,743 | \$19,322 | \$20,288 | \$19,233 | \$17,306 | 4.1% |
| 3361-3 | Motor vehicles, bodies, trailers & parts | \$12,728 | \$13,338 | \$11,347 | \$13,725 | \$13,188 | \$15,096 | \$15,484 | \$16,435 | \$14,915 | \$13,440 | 5.6% |
| 3364-9 | Other transportation equipment | \$3,901 | \$4,545 | \$4,205 | \$3,682 | \$3,601 | \$3,647 | \$3,838 | \$3,853 | \$4,318 | \$3,866 | -0.9% |
| 337 | Furniture & related products | \$1,570 | \$1,563 | \$1,446 | \$1,507 | \$1,479 | \$1,525 | \$1,642 | \$1,601 | \$1,493 | \$1,182 | -24.7% |
| 339 | Miscellaneous mfg. | \$1,931 | \$2,030 | \$1,891 | \$2,072 | \$1,848 | \$2,114 | \$2,035 | \$2,155 | \$2,096 | \$2,072 | 7.3% |
| 31 & 32p | Nondurable goods ¹ | \$29,966 | \$28,290 | \$27,722 | \$29,825 | \$29,235 | \$30,090 | \$28,077 | \$28,318 | \$29,827 | \$25,396 | -15.3% |
| 311-2 | Food products | \$7,616 | \$7,027 | \$7,776 | \$7,891 | \$7,465 | \$7,215 | \$7,004 | \$8,088 | \$8,718 | \$7,685 | 0.9% |
| 313-4 | Textile & textile product mills | \$465 | \$477 | \$452 | \$416 | \$357 | \$437 | \$380 | \$338 | \$436 | \$337 | -27.5% |
| 315 | Apparel | \$120 | \$131 | \$167 | \$170 | \$200 | \$206 | \$227 | \$205 | \$259 | \$244 | 103.3% |
| 322 | Paper | \$2,653 | \$2,334 | \$2,128 | \$2,252 | \$2,028 | \$2,293 | \$2,213 | \$2,272 | \$2,254 | \$2,003 | -24.5% |
| 323 | Printing & related support activities | \$1,825 | \$1,822 | \$1,747 | \$1,949 | \$2,040 | \$2,100 | \$2,078 | \$1,947 | \$1,882 | \$1,732 | -5.1% |
| 324 | Petroleum & coal products | \$1,769 | \$2,888 | \$2,852 | \$2,560 | \$2,832 | \$3,425 | \$3,702 | \$3,611 | \$2,539 | \$1,928 | 9.0% |
| 325 | Chemical | \$7,684 | \$6,710 | \$6,837 | \$7,926 | \$7,988 | \$8,296 | \$6,983 | \$7,260 | \$8,890 | \$7,308 | -4.9% |
| 326 | Plastics & rubber products | \$6,113 | \$5,852 | \$4,847 | \$5,354 | \$5,382 | \$5,527 | \$5,490 | \$4,692 | \$5,319 | \$4,500 | -26.4% |
| 42 | Wholesale trade | \$21,820 | \$22,220 | \$23,429 | \$23,496 | \$24,781 | \$26,093 | \$26,279 | \$27,056 | \$27,257 | \$27,138 | 24.4% |
| 44-45 | Retail trade | \$30,002 | \$30,929 | \$31,362 | \$32,178 | \$33,016 | \$32,198 | \$31,987 | \$30,606 | \$30,960 | \$29,281 | -2.4% |
| 48-49p | Transportation & warehousing ² | \$10,924 | \$11,733 | \$11,076 | \$11,103 | \$11,788 | \$12,820 | \$14,150 | \$14,807 | \$15,074 | \$14,897 | 36.4% |
| 481 | Air transportation | \$717 | \$774 | \$593 | \$797 | \$1,138 | \$1,265 | \$1,404 | \$1,439 | \$1,467 | \$1,543 | 115.2% |
| 482 | Rail transportation | \$1,040 | \$1,087 | \$1,015 | \$944 | \$994 | \$1,033 | \$1,013 | \$993 | \$965 | \$881 | -15.3% |
| 483 | Water transportation | \$180 | \$228 | \$169 | \$127 | \$111 | \$99 | \$143 | \$191 | \$192 | \$180 | 0.0% |
| 484 | Truck transportation | \$5,078 | \$5,003 | \$4,979 | \$4,957 | \$5,098 | \$5,474 | \$5,908 | \$6,143 | \$6,385 | \$6,353 | 25.1% |
| 485 | Transit & ground passenger transportation | \$321 | \$318 | \$317 | \$338 | \$326 | \$346 | \$333 | \$337 | \$345 | \$338 | 5.3% |
| 486 | Pipeline transportation | \$77 | \$79 | \$93 | \$116 | \$115 | \$119 | \$135 | \$124 | \$134 | \$129 | 67.5% |
| 487-8, 492 | Other transportation & support activities | \$2,861 | \$3,357 | \$3,080 | \$2,878 | \$2,897 | \$3,078 | \$3,383 | \$3,577 | \$3,375 | \$3,340 | 16.7% |
| 493 | Warehousing & storage | \$1,101 | \$1,215 | \$1,115 | \$1,142 | \$1,278 | \$1,494 | \$1,831 | \$2,050 | \$2,238 | \$2,137 | 94.1% |
| 51 | Information | \$9,923 | \$9,208 | \$9,824 | \$11,177 | \$11,607 | \$12,713 | \$13,491 | \$12,732 | \$13,461 | \$13,667 | 37.7% |
| 511 | Publishing including software | \$3,654 | \$2,582 | \$2,719 | \$3,548 | \$3,886 | \$4,581 | \$4,825 | \$3,959 | \$4,182 | \$4,225 | 15.6% |
| 512 | Motion picture & sound recording industries | \$423 | \$327 | \$343 | \$337 | \$328 | \$325 | \$312 | \$314 | \$308 | \$292 | -31.0% |
| 513 | Broadcasting & telecommunications | \$5,097 | \$5,624 | \$5,765 | \$5,892 | \$5,877 | \$6,283 | \$6,963 | \$7,000 | \$7,961 | \$8,055 | 58.0% |
| 514 | Information & data processing svcs. | \$705 | \$513 | \$877 | \$1,320 | \$1,439 | \$1,513 | \$1,391 | \$1,463 | \$1,023 | \$1,125 | 59.6% |

Table A5: Ohio's Gross Domestic Product by Industry, 1999-2008 (in millions of chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Percent Change 1999-2008 |
|------------------|---|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 52 | Finance & insurance | \$27,631 | \$31,787 | \$32,587 | \$34,101 | \$35,206 | \$35,428 | \$37,776 | \$37,262 | \$37,107 | \$39,547 | 43.1% |
| 521-2 | Federal Reserve, credit intermediation, etc. | \$14,513 | \$15,344 | \$16,691 | \$19,570 | \$20,491 | \$19,914 | \$21,749 | \$20,831 | \$19,672 | \$19,156 | 32.0% |
| 523 | Securities, commodity contracts, investments | \$1,389 | \$1,702 | \$2,666 | \$2,397 | \$2,179 | \$2,006 | \$2,267 | \$2,394 | \$1,992 | \$1,737 | 25.1% |
| 524 | Insurance carriers & related activities | \$13,060 | \$15,627 | \$13,387 | \$11,800 | \$12,065 | \$13,182 | \$13,515 | \$13,808 | \$15,403 | \$18,883 | 44.6% |
| 525 | Funds, trusts & other financial vehicles | \$381 | \$349 | \$202 | \$206 | \$205 | \$211 | \$244 | \$330 | \$409 | \$536 | 40.7% |
| 53 | Real estate, rental & leasing | \$46,128 | \$48,468 | \$50,069 | \$49,169 | \$48,310 | \$47,065 | \$46,219 | \$45,392 | \$46,737 | \$46,956 | 1.8% |
| 531 | Real estate | \$41,049 | \$42,853 | \$44,275 | \$43,400 | \$43,337 | \$42,385 | \$41,520 | \$40,084 | \$41,269 | \$41,738 | 1.7% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$5,101 | \$5,637 | \$5,821 | \$5,802 | \$4,975 | \$4,680 | \$4,698 | \$5,315 | \$5,476 | \$5,221 | 2.4% |
| 54 | Professional & technical svcs. | \$21,206 | \$21,916 | \$21,769 | \$22,165 | \$22,290 | \$23,273 | \$23,626 | \$24,136 | \$24,866 | \$25,275 | 19.2% |
| 5411 | Legal svcs. | \$4,872 | \$4,940 | \$4,791 | \$4,903 | \$4,749 | \$4,787 | \$4,607 | \$4,278 | \$4,219 | \$4,008 | -17.7% |
| 5415 | Computer systems design & related svcs. | \$2,851 | \$2,749 | \$2,976 | \$2,987 | \$3,200 | \$3,568 | \$3,883 | \$4,326 | \$4,999 | \$5,287 | 85.4% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$13,483 | \$14,270 | \$13,974 | \$14,268 | \$14,310 | \$14,897 | \$15,136 | \$15,565 | \$15,764 | \$16,171 | 19.9% |
| 55 | Management of companies & enterprises | \$9,683 | \$9,730 | \$10,390 | \$12,134 | \$12,440 | \$12,226 | \$12,321 | \$12,502 | \$11,811 | \$12,283 | 26.9% |
| 56 | Administrative & waste svcs. | \$11,428 | \$11,385 | \$11,094 | \$11,124 | \$12,122 | \$12,326 | \$13,117 | \$13,133 | \$13,670 | \$13,772 | 20.5% |
| 561 | Administrative & support svcs. | \$10,126 | \$10,087 | \$9,762 | \$9,797 | \$10,594 | \$10,826 | \$11,581 | \$11,787 | \$12,302 | \$12,433 | 22.8% |
| 562 | Waste management & remediation svcs. | \$1,310 | \$1,307 | \$1,344 | \$1,336 | \$1,532 | \$1,503 | \$1,536 | \$1,347 | \$1,368 | \$1,338 | 2.1% |
| 61 | Educational svcs. | \$3,475 | \$3,585 | \$3,474 | \$3,542 | \$3,559 | \$3,648 | \$3,559 | \$3,656 | \$3,620 | \$3,683 | 6.0% |
| 62 | Health care & social assistance | \$29,659 | \$30,647 | \$31,642 | \$32,464 | \$33,585 | \$34,572 | \$35,135 | \$36,190 | \$36,094 | \$36,870 | 24.3% |
| 621 | Ambulatory health care svcs. | \$12,515 | \$13,420 | \$13,679 | \$14,224 | \$14,780 | \$15,252 | \$15,764 | \$16,410 | \$16,294 | \$16,689 | 33.4% |
| 622-3 | Hospitals & nursing & residential care facilities | \$15,527 | \$15,523 | \$15,986 | \$16,158 | \$16,642 | \$17,096 | \$17,037 | \$17,353 | \$17,280 | \$17,561 | 13.1% |
| 624 | Social assistance | \$1,862 | \$1,885 | \$2,130 | \$2,171 | \$2,221 | \$2,247 | \$2,333 | \$2,393 | \$2,496 | \$2,586 | 38.9% |
| 71 | Arts, entertainment & recreation | \$3,554 | \$3,298 | \$3,168 | \$3,177 | \$3,114 | \$3,082 | \$3,041 | \$3,101 | \$3,093 | \$3,128 | -12.0% |
| 711-2 | Performing arts, museums & related activities | \$1,831 | \$1,542 | \$1,687 | \$1,711 | \$1,700 | \$1,605 | \$1,569 | \$1,600 | \$1,677 | \$1,634 | -10.8% |
| 713 | Amusements, gambling & recreation | \$1,710 | \$1,728 | \$1,475 | \$1,462 | \$1,412 | \$1,474 | \$1,472 | \$1,503 | \$1,415 | \$1,497 | -12.5% |
| 72 | Accommodation & food svcs. | \$9,864 | \$10,189 | \$10,086 | \$10,180 | \$10,497 | \$10,776 | \$10,704 | \$10,557 | \$10,810 | \$10,437 | 5.8% |
| 721 | Accommodation | \$1,615 | \$1,604 | \$1,555 | \$1,612 | \$1,601 | \$1,650 | \$1,634 | \$1,577 | \$1,631 | \$1,628 | 0.8% |
| 722 | Food services & drinking places | \$8,295 | \$8,633 | \$8,596 | \$8,574 | \$8,887 | \$9,109 | \$9,070 | \$8,978 | \$9,186 | \$8,779 | 5.8% |
| 81 | Other svcs., except government | \$12,918 | \$12,872 | \$11,754 | \$11,982 | \$11,613 | \$11,586 | \$11,200 | \$10,787 | \$10,913 | \$10,669 | -17.4% |
| 92 | Government | \$48,084 | \$49,014 | \$49,241 | \$49,923 | \$49,711 | \$49,013 | \$48,489 | \$47,292 | \$47,200 | \$47,515 | -1.2% |
| 92a & b | Federal government | \$9,857 | \$10,096 | \$9,813 | \$9,980 | \$10,067 | \$9,890 | \$9,668 | \$9,423 | \$9,345 | \$9,426 | -4.4% |
| 92a | Civilian ³ | \$8,102 | \$8,322 | \$8,024 | \$7,980 | \$7,841 | \$7,637 | \$7,432 | \$7,373 | \$7,407 | \$7,390 | -8.8% |
| 92b | Military | \$1,755 | \$1,774 | \$1,789 | \$2,000 | \$2,226 | \$2,253 | \$2,236 | \$2,050 | \$1,938 | \$2,036 | 16.0% |
| 92c | State & local | \$38,375 | \$38,935 | \$39,412 | \$40,012 | \$39,709 | \$39,139 | \$38,821 | \$37,971 | \$37,987 | \$38,174 | -0.5% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 | |
|------------------|---|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|--------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | | |
| 11-92 | All Industries* | 100.00% | 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 | 88.47% | 88.57% | 88.31% | 88.38% | 88.54% | 88.92% | 89.10% | 89.25% | 89.37% | 89.22% | 89.22% | 0.75% |
| 11 | Agriculture, forestry, fishing & hunting | 0.39% | 0.50% | 0.46% | 0.45% | 0.48% | 0.56% | 0.53% | 0.57% | 0.54% | 0.59% | 0.59% | 0.20% |
| 111-2 | Crop & animal production (farms) | 0.34% | 0.46% | 0.40% | 0.39% | 0.42% | 0.49% | 0.47% | 0.51% | 0.46% | 0.51% | 0.51% | 0.17% |
| 113-5 | Forestry, fishing & related activities | 0.05% | 0.05% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.06% | 0.01% |
| 21 | Mining | 0.91% | 0.68% | 0.79% | 0.77% | 0.58% | 0.55% | 0.40% | 0.39% | 0.35% | 0.33% | 0.33% | -0.58% |
| 211 | Oil & gas extraction | 0.34% | 0.19% | 0.23% | 0.40% | 0.25% | 0.22% | 0.16% | 0.17% | 0.14% | 0.12% | 0.12% | -0.22% |
| 212 | Mining, except oil & gas | 0.32% | 0.36% | 0.39% | 0.25% | 0.25% | 0.22% | 0.18% | 0.16% | 0.14% | 0.14% | 0.14% | -0.18% |
| 213 | Support activities for mining | 0.03% | 0.04% | 0.05% | 0.04% | 0.05% | 0.08% | 0.06% | 0.05% | 0.05% | 0.07% | 0.07% | 0.04% |
| 22 | Utilities | 2.21% | 2.10% | 1.83% | 1.78% | 1.73% | 1.65% | 1.54% | 1.52% | 1.74% | 1.81% | 1.81% | -0.40% |
| 23 | Construction | 5.68% | 5.52% | 5.15% | 4.76% | 4.56% | 4.32% | 3.92% | 3.61% | 3.33% | 3.21% | 3.21% | -2.47% |
| 31-33 | Manufacturing | 19.93% | 19.64% | 18.11% | 18.59% | 18.27% | 19.12% | 19.15% | 19.17% | 19.22% | 18.02% | 18.02% | -1.91% |
| 32p & 33 | Durable goods | 11.52% | 12.22% | 11.27% | 11.52% | 11.49% | 12.35% | 12.84% | 12.93% | 12.94% | 12.94% | 12.94% | 1.42% |
| 321 | Wood products | 0.27% | 0.28% | 0.27% | 0.28% | 0.21% | 0.25% | 0.23% | 0.23% | 0.26% | 0.28% | 0.28% | 0.01% |
| 327 | Nonmetallic mineral products | 0.85% | 0.80% | 0.73% | 0.75% | 0.72% | 0.64% | 0.57% | 0.48% | 0.49% | 0.49% | 0.49% | -0.36% |
| 331 | Primary metals | 2.22% | 2.03% | 1.69% | 1.53% | 1.34% | 1.45% | 1.51% | 1.15% | 1.13% | 1.00% | 1.00% | -1.22% |
| 332 | Fabricated metal products | 2.58% | 2.60% | 2.22% | 2.15% | 2.25% | 2.32% | 2.28% | 2.44% | 2.41% | 2.58% | 2.58% | 0.00% |
| 333 | Machinery | 1.68% | 1.57% | 1.45% | 1.28% | 1.29% | 1.42% | 1.55% | 1.51% | 1.54% | 1.53% | 1.53% | -0.15% |
| 334 | Computer & electronic products | 0.22% | 0.32% | 0.30% | 0.28% | 0.30% | 0.44% | 0.65% | 0.73% | 0.78% | 1.03% | 1.03% | 0.80% |
| 335 | Electrical equipment & appliances | 0.88% | 0.92% | 0.83% | 0.85% | 1.03% | 0.88% | 0.89% | 0.82% | 0.77% | 0.83% | 0.83% | -0.05% |
| 336 | Transportation equipment | 3.98% | 4.17% | 3.70% | 4.05% | 3.87% | 4.24% | 4.34% | 4.60% | 4.32% | 3.92% | 3.92% | -0.06% |
| 3361-3 | Motor vehicles, bodies, trailers & parts | 3.04% | 3.11% | 2.70% | 3.19% | 3.04% | 3.41% | 3.48% | 3.73% | 3.35% | 3.04% | 3.04% | 0.00% |
| 3364-9 | Other transportation equipment | 0.93% | 1.06% | 1.00% | 0.86% | 0.83% | 0.82% | 0.86% | 0.87% | 0.97% | 0.88% | 0.88% | -0.06% |
| 337 | Furniture & related products | 0.38% | 0.36% | 0.34% | 0.35% | 0.34% | 0.34% | 0.37% | 0.36% | 0.34% | 0.27% | 0.27% | -0.11% |
| 339 | Miscellaneous mfg. | 0.46% | 0.47% | 0.45% | 0.48% | 0.43% | 0.48% | 0.46% | 0.49% | 0.47% | 0.47% | 0.47% | 0.01% |
| 31 & 32p | Nondurable goods ¹ | 7.17% | 6.59% | 6.59% | 6.94% | 6.74% | 6.80% | 6.31% | 6.43% | 6.70% | 5.75% | 5.75% | -1.42% |
| 311-2 | Food products | 1.82% | 1.64% | 1.85% | 1.84% | 1.72% | 1.63% | 1.57% | 1.84% | 1.96% | 1.74% | 1.74% | -0.08% |
| 313-4 | Textile & textile product mills | 0.11% | 0.11% | 0.11% | 0.10% | 0.08% | 0.10% | 0.09% | 0.08% | 0.10% | 0.08% | 0.08% | -0.03% |
| 315 | Apparel | 0.03% | 0.03% | 0.04% | 0.04% | 0.05% | 0.05% | 0.05% | 0.05% | 0.06% | 0.06% | 0.06% | 0.03% |
| 322 | Paper | 0.63% | 0.54% | 0.51% | 0.52% | 0.47% | 0.52% | 0.50% | 0.52% | 0.51% | 0.45% | 0.45% | -0.18% |
| 323 | Printing & related support activities | 0.44% | 0.42% | 0.42% | 0.45% | 0.47% | 0.47% | 0.47% | 0.44% | 0.42% | 0.39% | 0.39% | -0.04% |
| 324 | Petroleum & coal products | 0.42% | 0.67% | 0.68% | 0.60% | 0.65% | 0.77% | 0.83% | 0.82% | 0.57% | 0.44% | 0.44% | 0.01% |
| 325 | Chemical | 1.84% | 1.56% | 1.63% | 1.84% | 1.84% | 1.88% | 1.57% | 1.65% | 2.00% | 1.65% | 1.65% | -0.18% |
| 326 | Plastics & rubber products | 1.46% | 1.36% | 1.15% | 1.25% | 1.24% | 1.25% | 1.23% | 1.06% | 1.20% | 1.02% | 1.02% | -0.44% |
| 42 | Wholesale trade | 5.22% | 5.18% | 5.57% | 5.47% | 5.71% | 5.90% | 5.91% | 6.14% | 6.13% | 6.14% | 6.14% | 0.92% |
| 44-45 | Retail trade | 7.17% | 7.21% | 7.46% | 7.49% | 7.61% | 7.28% | 7.19% | 6.94% | 6.96% | 6.63% | 6.63% | -0.55% |
| 48-49p | Transportation & warehousing ² | 2.61% | 2.73% | 2.63% | 2.58% | 2.72% | 2.90% | 3.18% | 3.36% | 3.39% | 3.37% | 3.37% | 0.76% |
| 481 | Air transportation | 0.17% | 0.18% | 0.14% | 0.19% | 0.26% | 0.29% | 0.32% | 0.33% | 0.33% | 0.35% | 0.35% | 0.18% |
| 482 | Rail transportation | 0.25% | 0.25% | 0.24% | 0.22% | 0.23% | 0.23% | 0.23% | 0.23% | 0.22% | 0.20% | 0.20% | -0.05% |
| 483 | Water transportation | 0.04% | 0.05% | 0.04% | 0.03% | 0.03% | 0.02% | 0.03% | 0.04% | 0.04% | 0.04% | 0.04% | 0.00% |
| 484 | Truck transportation | 1.21% | 1.17% | 1.18% | 1.15% | 1.17% | 1.24% | 1.33% | 1.39% | 1.44% | 1.44% | 1.44% | 0.22% |
| 485 | Transit & ground passenger transportation | 0.08% | 0.07% | 0.08% | 0.08% | 0.08% | 0.08% | 0.07% | 0.08% | 0.08% | 0.08% | 0.08% | 0.00% |
| 486 | Pipeline transportation | 0.02% | 0.02% | 0.02% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.03% | 0.01% |
| 487-8, 492 | Other transportation & support activities | 0.68% | 0.78% | 0.73% | 0.67% | 0.67% | 0.70% | 0.76% | 0.81% | 0.76% | 0.76% | 0.76% | 0.07% |
| 493 | Warehousing & storage | 0.26% | 0.28% | 0.27% | 0.27% | 0.29% | 0.34% | 0.41% | 0.47% | 0.50% | 0.48% | 0.48% | 0.22% |
| 51 | Information | 2.37% | 2.15% | 2.34% | 2.60% | 2.67% | 2.87% | 3.03% | 2.89% | 3.03% | 3.03% | 3.03% | 0.72% |
| 511 | Publishing including software | 0.87% | 0.60% | 0.65% | 0.83% | 0.90% | 1.04% | 1.08% | 0.90% | 0.94% | 0.96% | 0.96% | 0.08% |
| 512 | Motion picture & sound recording industries | 0.10% | 0.08% | 0.08% | 0.08% | 0.08% | 0.07% | 0.07% | 0.07% | 0.07% | 0.07% | 0.07% | -0.04% |
| 513 | Broadcasting & telecommunications | 1.22% | 1.31% | 1.37% | 1.37% | 1.35% | 1.42% | 1.57% | 1.59% | 1.79% | 1.82% | 1.82% | 0.60% |
| 514 | Information & data processing svcs. | 0.17% | 0.12% | 0.21% | 0.31% | 0.33% | 0.34% | 0.31% | 0.33% | 0.23% | 0.25% | 0.25% | 0.09% |

Table A6: Percentage Distribution of Ohio's Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 |
|------------------|---|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 52 | Finance & insurance | 6.61% | 7.41% | 7.75% | 7.94% | 8.11% | 8.01% | 8.49% | 8.46% | 8.34% | 8.95% | 2.34% |
| 521-2 | Federal Reserve, credit intermediation, etc. | 3.47% | 3.58% | 3.97% | 4.55% | 4.72% | 4.50% | 4.89% | 4.73% | 4.42% | 4.34% | 0.87% |
| 523 | Securities, commodity contracts, investments | 0.33% | 0.40% | 0.63% | 0.56% | 0.50% | 0.45% | 0.51% | 0.54% | 0.45% | 0.39% | 0.06% |
| 524 | Insurance carriers & related activities | 3.12% | 3.64% | 3.18% | 2.75% | 2.78% | 2.98% | 3.04% | 3.13% | 3.46% | 4.27% | 1.15% |
| 525 | Funds, trusts & other financial vehicles | 0.09% | 0.08% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.07% | 0.09% | 0.12% | 0.03% |
| 53 | Real estate, rental & leasing | 11.03% | 11.29% | 11.91% | 11.44% | 11.13% | 10.64% | 10.39% | 10.30% | 10.50% | 10.63% | -0.40% |
| 531 | Real estate | 9.82% | 9.99% | 10.53% | 10.10% | 9.99% | 9.58% | 9.34% | 9.10% | 9.28% | 9.45% | -0.37% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | 1.22% | 1.31% | 1.38% | 1.35% | 1.15% | 1.06% | 1.06% | 1.21% | 1.23% | 1.18% | -0.04% |
| 54 | Professional & technical svcs. | 5.07% | 5.11% | 5.18% | 5.16% | 5.14% | 5.26% | 5.31% | 5.48% | 5.59% | 5.72% | 0.65% |
| 5411 | Legal svcs. | 1.17% | 1.15% | 1.14% | 1.14% | 1.09% | 1.08% | 1.04% | 0.97% | 0.95% | 0.91% | -0.26% |
| 5415 | Computer systems design & related svcs. | 0.68% | 0.64% | 0.71% | 0.70% | 0.74% | 0.81% | 0.87% | 0.98% | 1.12% | 1.20% | 0.51% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | 3.22% | 3.33% | 3.32% | 3.32% | 3.30% | 3.37% | 3.40% | 3.53% | 3.54% | 3.66% | 0.44% |
| 55 | Management of companies & enterprises | 2.32% | 2.27% | 2.47% | 2.82% | 2.87% | 2.76% | 2.77% | 2.84% | 2.65% | 2.78% | 0.46% |
| 56 | Administrative & waste svcs. | 2.73% | 2.65% | 2.64% | 2.59% | 2.79% | 2.79% | 2.95% | 2.98% | 3.07% | 3.12% | 0.38% |
| 561 | Administrative & support svcs. | 2.42% | 2.35% | 2.32% | 2.28% | 2.44% | 2.45% | 2.60% | 2.67% | 2.76% | 2.81% | 0.39% |
| 562 | Waste management & remediation svcs. | 0.31% | 0.30% | 0.32% | 0.31% | 0.35% | 0.34% | 0.35% | 0.31% | 0.31% | 0.30% | -0.01% |
| 61 | Educational svcs. | 0.83% | 0.84% | 0.83% | 0.82% | 0.82% | 0.82% | 0.80% | 0.83% | 0.81% | 0.83% | 0.00% |
| 62 | Health care & social assistance | 7.09% | 7.14% | 7.53% | 7.55% | 7.74% | 7.82% | 7.90% | 8.21% | 8.11% | 8.35% | 1.25% |
| 621 | Ambulatory health care svcs. | 2.99% | 3.13% | 3.25% | 3.31% | 3.41% | 3.45% | 3.54% | 3.72% | 3.66% | 3.78% | 0.78% |
| 622-3 | Hospitals & nursing & residential care facilities | 3.71% | 3.62% | 3.80% | 3.76% | 3.83% | 3.87% | 3.83% | 3.94% | 3.88% | 3.98% | 0.26% |
| 624 | Social assistance | 0.45% | 0.44% | 0.51% | 0.51% | 0.51% | 0.51% | 0.52% | 0.54% | 0.56% | 0.59% | 0.14% |
| 71 | Arts, entertainment & recreation | 0.85% | 0.77% | 0.75% | 0.74% | 0.72% | 0.70% | 0.68% | 0.70% | 0.70% | 0.71% | -0.14% |
| 711-2 | Performing arts, museums & related activities | 0.44% | 0.36% | 0.40% | 0.40% | 0.39% | 0.36% | 0.35% | 0.36% | 0.38% | 0.37% | -0.07% |
| 713 | Amusements, gambling & recreation | 0.41% | 0.40% | 0.35% | 0.34% | 0.33% | 0.33% | 0.33% | 0.34% | 0.32% | 0.34% | -0.07% |
| 72 | Accommodation & food svcs. | 2.36% | 2.37% | 2.40% | 2.37% | 2.42% | 2.44% | 2.41% | 2.40% | 2.43% | 2.36% | 0.00% |
| 721 | Accommodation | 0.39% | 0.37% | 0.37% | 0.38% | 0.37% | 0.37% | 0.37% | 0.36% | 0.37% | 0.37% | -0.02% |
| 722 | Food services & drinking places | 1.98% | 2.01% | 2.04% | 2.00% | 2.05% | 2.06% | 2.04% | 2.04% | 2.06% | 1.99% | 0.00% |
| 81 | Other svcs., except government | 3.09% | 3.00% | 2.80% | 2.79% | 2.68% | 2.62% | 2.52% | 2.45% | 2.45% | 2.42% | -0.67% |
| 92 | Government | 11.50% | 11.42% | 11.71% | 11.62% | 11.45% | 11.08% | 10.90% | 10.73% | 10.61% | 10.76% | -0.74% |
| 92a & b | Federal government | 2.36% | 2.35% | 2.33% | 2.32% | 2.32% | 2.24% | 2.17% | 2.14% | 2.10% | 2.13% | -0.22% |
| 92a | Civilian ³ | 1.94% | 1.94% | 1.91% | 1.86% | 1.81% | 1.73% | 1.67% | 1.67% | 1.66% | 1.67% | -0.26% |
| 92b | Military | 0.42% | 0.41% | 0.43% | 0.47% | 0.51% | 0.51% | 0.50% | 0.47% | 0.44% | 0.46% | 0.04% |
| 92c | State & local | 9.18% | 9.07% | 9.38% | 9.31% | 9.15% | 8.85% | 8.73% | 8.62% | 8.54% | 8.64% | -0.54% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A7: U.S. Gross Domestic Product by Industry, 1999-2008 (in millions of current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
| 11-92 | All Industries* | \$9,286,860 | \$9,884,170 | \$10,218,000 | \$10,572,400 | \$11,067,800 | \$11,788,900 | \$12,554,500 | \$13,310,900 | \$13,985,400 | \$14,344,000 |
| 11-81 | Private industries | \$8,199,570 | \$8,736,090 | \$9,010,770 | \$9,289,350 | \$9,706,820 | \$10,360,100 | \$11,052,500 | \$11,731,100 | \$12,315,200 | \$12,588,000 |
| 11 | Agriculture, forestry, fishing & hunting | \$92,829 | \$95,590 | \$98,554 | \$94,405 | \$115,556 | \$142,729 | \$127,075 | \$122,488 | \$146,967 | \$163,191 |
| 111-2 | Crop & animal production (farms) | \$71,189 | \$73,617 | \$76,214 | \$72,304 | \$92,412 | \$118,254 | \$102,018 | \$93,050 | \$116,157 | \$132,076 |
| 113-5 | Forestry, fishing & related activities | \$21,640 | \$21,973 | \$22,340 | \$22,101 | \$23,144 | \$24,475 | \$25,057 | \$29,438 | \$30,810 | \$31,115 |
| 21 | Mining | \$82,027 | \$108,889 | \$119,296 | \$109,462 | \$134,761 | \$159,309 | \$192,043 | \$228,996 | \$242,138 | \$307,186 |
| 211 | Oil & gas extraction | \$42,664 | \$67,451 | \$72,914 | \$66,598 | \$89,248 | \$106,609 | \$128,622 | \$147,777 | \$150,590 | \$203,751 |
| 212 | Mining, except oil & gas | \$28,529 | \$27,756 | \$27,567 | \$27,552 | \$27,988 | \$31,049 | \$36,250 | \$40,715 | \$43,809 | \$48,784 |
| 213 | Support activities for mining | \$10,833 | \$13,682 | \$18,815 | \$15,312 | \$17,525 | \$21,652 | \$27,170 | \$40,504 | \$47,740 | \$54,650 |
| 22 | Utilities | \$172,743 | \$173,909 | \$177,579 | \$180,973 | \$191,852 | \$208,001 | \$205,669 | \$236,166 | \$247,006 | \$255,205 |
| 23 | Construction | \$428,385 | \$467,308 | \$490,525 | \$494,328 | \$515,929 | \$554,433 | \$611,652 | \$651,096 | \$661,206 | \$639,322 |
| 31-33 | Manufacturing | \$1,368,060 | \$1,415,650 | \$1,343,930 | \$1,355,540 | \$1,374,010 | \$1,482,690 | \$1,568,040 | \$1,651,490 | \$1,708,590 | \$1,669,640 |
| 32p & 33 | Durable goods | \$802,446 | \$839,100 | \$758,754 | \$767,751 | \$766,154 | \$822,039 | \$877,646 | \$923,114 | \$947,030 | \$923,389 |
| 321 | Wood products | \$29,962 | \$28,323 | \$27,541 | \$27,277 | \$28,277 | \$31,699 | \$33,009 | \$30,160 | \$28,482 | \$26,768 |
| 327 | Nonmetallic mineral products | \$43,535 | \$41,880 | \$40,714 | \$41,446 | \$40,479 | \$42,658 | \$45,340 | \$45,416 | \$45,567 | \$40,511 |
| 331 | Primary metals | \$45,991 | \$46,282 | \$39,551 | \$41,352 | \$37,811 | \$52,151 | \$53,679 | \$59,741 | \$59,958 | \$58,509 |
| 332 | Fabricated metal products | \$116,172 | \$120,655 | \$110,035 | \$105,210 | \$104,332 | \$112,698 | \$120,398 | \$125,555 | \$135,883 | \$135,665 |
| 333 | Machinery | \$110,829 | \$110,486 | \$103,119 | \$95,897 | \$92,849 | \$100,436 | \$109,501 | \$116,551 | \$122,915 | \$123,983 |
| 334 | Computer & electronic products | \$146,749 | \$172,065 | \$128,239 | \$132,573 | \$136,948 | \$159,635 | \$183,273 | \$200,024 | \$197,657 | \$195,218 |
| 335 | Electrical equipment & appliances | \$42,651 | \$44,118 | \$42,970 | \$42,568 | \$42,465 | \$38,938 | \$39,883 | \$45,564 | \$45,880 | \$50,275 |
| 336 | Transportation equipment | \$179,630 | \$183,197 | \$177,259 | \$188,658 | \$190,642 | \$184,770 | \$188,652 | \$189,053 | \$198,183 | \$183,026 |
| 3361-3 | Motor vehicles, bodies, trailers & parts | \$113,595 | \$117,438 | \$107,684 | \$121,309 | \$125,550 | \$117,583 | \$112,622 | \$107,561 | \$104,573 | \$89,034 |
| 3364-9 | Other transportation equipment | \$66,035 | \$65,759 | \$69,575 | \$67,349 | \$65,092 | \$67,187 | \$76,030 | \$81,492 | \$93,610 | \$93,992 |
| 337 | Furniture & related products | \$32,613 | \$33,771 | \$31,744 | \$31,280 | \$30,334 | \$31,132 | \$34,305 | \$36,559 | \$33,328 | \$30,195 |
| 339 | Miscellaneous mfg. | \$54,315 | \$58,324 | \$57,583 | \$61,489 | \$62,016 | \$67,921 | \$69,606 | \$74,492 | \$79,177 | \$79,240 |
| 31 & 32p | Nondurable goods ¹ | \$565,616 | \$576,550 | \$585,176 | \$587,786 | \$607,858 | \$660,650 | \$690,391 | \$728,372 | \$761,555 | \$746,248 |
| 311-2 | Food products | \$163,095 | \$164,784 | \$173,463 | \$176,942 | \$174,005 | \$168,938 | \$172,106 | \$181,408 | \$184,800 | \$189,523 |
| 313-4 | Textile & textile product mills | \$28,308 | \$27,860 | \$25,282 | \$24,094 | \$19,410 | \$26,761 | \$23,469 | \$21,160 | \$21,592 | \$16,882 |
| 315 | Apparel | \$21,906 | \$21,432 | \$18,953 | \$18,269 | \$16,414 | \$16,432 | \$16,025 | \$15,539 | \$14,999 | \$14,227 |
| 322 | Paper | \$59,235 | \$61,742 | \$53,722 | \$53,531 | \$49,844 | \$54,190 | \$53,814 | \$59,303 | \$58,940 | \$59,725 |
| 323 | Printing & related support activities | \$40,004 | \$40,310 | \$38,890 | \$37,437 | \$36,753 | \$36,951 | \$37,487 | \$37,939 | \$38,673 | \$37,141 |
| 324 | Petroleum & coal products | \$35,004 | \$43,635 | \$59,698 | \$44,927 | \$77,499 | \$106,271 | \$139,270 | \$139,964 | \$146,412 | \$149,247 |
| 325 | Chemical | \$152,846 | \$152,206 | \$153,163 | \$169,567 | \$171,402 | \$186,801 | \$182,650 | \$207,932 | \$224,725 | \$212,805 |
| 326 | Plastics & rubber products | \$65,219 | \$64,580 | \$62,005 | \$63,018 | \$62,532 | \$64,305 | \$65,570 | \$65,128 | \$71,414 | \$66,699 |
| 42 | Wholesale trade | \$579,103 | \$617,651 | \$613,304 | \$614,892 | \$638,065 | \$684,499 | \$725,284 | \$769,564 | \$816,452 | \$821,029 |
| 44-45 | Retail trade | \$653,383 | \$686,228 | \$703,893 | \$731,156 | \$768,924 | \$794,696 | \$838,780 | \$875,041 | \$892,818 | \$865,962 |
| 48-49p | Transportation & warehousing ² | \$287,099 | \$301,390 | \$302,591 | \$302,405 | \$319,754 | \$347,033 | \$369,667 | \$395,480 | \$407,705 | \$405,370 |
| 481 | Air transportation | \$54,324 | \$53,139 | \$45,195 | \$46,796 | \$53,231 | \$56,082 | \$55,672 | \$59,702 | \$61,292 | \$57,309 |
| 482 | Rail transportation | \$21,816 | \$22,840 | \$22,576 | \$21,740 | \$23,121 | \$24,349 | \$26,965 | \$30,619 | \$31,757 | \$32,105 |
| 483 | Water transportation | \$6,753 | \$8,112 | \$8,233 | \$7,409 | \$8,336 | \$8,706 | \$9,283 | \$12,353 | \$13,760 | \$14,118 |
| 484 | Truck transportation | \$93,351 | \$97,029 | \$97,801 | \$97,196 | \$101,997 | \$110,214 | \$118,913 | \$125,322 | \$126,805 | \$125,592 |
| 485 | Transit & ground passenger transportation | \$17,209 | \$17,806 | \$18,447 | \$19,198 | \$19,641 | \$20,894 | \$21,237 | \$22,583 | \$23,177 | \$23,153 |
| 486 | Pipeline transportation | \$8,886 | \$9,124 | \$14,700 | \$10,340 | \$10,227 | \$11,461 | \$10,367 | \$11,288 | \$13,755 | \$13,685 |
| 487-8, 492 | Other transportation & support activities | \$61,390 | \$67,526 | \$70,335 | \$73,383 | \$75,986 | \$83,889 | \$91,936 | \$96,408 | \$96,833 | \$98,728 |
| 493 | Warehousing & storage | \$23,369 | \$25,814 | \$25,303 | \$26,343 | \$27,214 | \$31,438 | \$35,296 | \$37,205 | \$40,325 | \$40,678 |
| 51 | Information | \$438,549 | \$417,829 | \$451,078 | \$499,693 | \$508,606 | \$564,125 | \$592,563 | \$593,274 | \$622,793 | \$622,502 |
| 511 | Publishing including software | \$128,013 | \$100,235 | \$100,072 | \$121,772 | \$127,979 | \$140,834 | \$151,201 | \$133,894 | \$146,093 | \$145,510 |
| 512 | Motion picture & sound recording industries | \$47,091 | \$36,895 | \$47,504 | \$51,613 | \$48,164 | \$56,278 | \$56,339 | \$59,631 | \$62,205 | \$61,099 |
| 513 | Broadcasting & telecommunications | \$233,918 | \$256,823 | \$267,286 | \$267,916 | \$268,631 | \$288,979 | \$311,432 | \$317,613 | \$345,796 | \$344,634 |
| 514 | Information & data processing svcs. | \$29,527 | \$23,877 | \$36,215 | \$58,393 | \$63,831 | \$78,034 | \$73,591 | \$82,137 | \$68,698 | \$71,258 |

Table A7: U.S. Gross Domestic Product by Industry, 1999-2008 (in millions of current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
| 52 | Finance & insurance | \$681,747 | \$762,012 | \$838,678 | \$863,537 | \$903,149 | \$929,246 | \$1,028,520 | \$1,105,550 | \$1,121,680 | \$1,199,960 |
| 521-2 | Federal Reserve, credit intermediation, etc. | \$313,951 | \$338,001 | \$376,573 | \$436,009 | \$461,626 | \$433,262 | \$470,686 | \$483,515 | \$483,040 | \$486,280 |
| 523 | Securities, commodity contracts, investments | \$115,968 | \$126,024 | \$178,174 | \$153,512 | \$139,840 | \$143,974 | \$182,989 | \$214,507 | \$201,105 | \$196,069 |
| 524 | Insurance carriers & related activities | \$229,910 | \$274,157 | \$260,391 | \$248,565 | \$272,985 | \$319,575 | \$337,524 | \$367,354 | \$392,480 | \$463,986 |
| 525 | Funds, trusts & other financial vehicles | \$21,918 | \$23,830 | \$23,540 | \$25,451 | \$28,697 | \$32,436 | \$37,316 | \$40,173 | \$45,058 | \$53,628 |
| 53 | Real estate, rental & leasing | \$1,152,260 | \$1,235,680 | \$1,316,110 | \$1,358,740 | \$1,412,990 | \$1,480,420 | \$1,577,940 | \$1,672,070 | \$1,784,230 | \$1,842,490 |
| 531 | Real estate | \$1,022,090 | \$1,098,020 | \$1,163,930 | \$1,210,900 | \$1,267,750 | \$1,337,590 | \$1,424,880 | \$1,488,630 | \$1,585,520 | \$1,646,990 |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$130,164 | \$137,655 | \$152,188 | \$147,841 | \$145,242 | \$142,831 | \$153,060 | \$183,447 | \$198,706 | \$195,507 |
| 54 | Professional & technical svcs. | \$606,984 | \$662,412 | \$701,126 | \$718,942 | \$745,479 | \$810,498 | \$875,641 | \$952,161 | \$1,023,830 | \$1,070,570 |
| 5411 | Legal svcs. | \$127,955 | \$138,527 | \$147,957 | \$153,874 | \$163,531 | \$180,701 | \$194,498 | \$201,858 | \$211,370 | \$209,579 |
| 5415 | Computer systems design & related svcs. | \$101,337 | \$113,691 | \$116,245 | \$109,835 | \$109,653 | \$117,740 | \$129,320 | \$144,278 | \$160,205 | \$169,652 |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$377,692 | \$410,194 | \$436,924 | \$455,234 | \$472,295 | \$512,056 | \$551,823 | \$606,024 | \$652,259 | \$691,344 |
| 55 | Management of companies & enterprises | \$148,091 | \$171,086 | \$174,551 | \$178,324 | \$192,219 | \$203,093 | \$217,681 | \$234,251 | \$255,021 | \$260,634 |
| 56 | Administrative & waste svcs. | \$255,096 | \$283,268 | \$294,995 | \$301,044 | \$321,676 | \$333,229 | \$368,495 | \$385,019 | \$418,122 | \$416,683 |
| 561 | Administrative & support svcs. | \$229,966 | \$257,007 | \$266,163 | \$270,403 | \$287,870 | \$298,975 | \$331,251 | \$350,384 | \$378,093 | \$375,881 |
| 562 | Waste management & remediation svcs. | \$25,130 | \$26,261 | \$28,831 | \$30,641 | \$33,806 | \$34,254 | \$37,244 | \$34,635 | \$40,029 | \$40,803 |
| 61 | Educational svcs. | \$79,455 | \$85,852 | \$88,692 | \$98,855 | \$106,063 | \$115,996 | \$120,070 | \$128,661 | \$137,102 | \$145,887 |
| 62 | Health care & social assistance | \$559,018 | \$592,144 | \$640,500 | \$690,943 | \$741,200 | \$790,375 | \$833,337 | \$886,516 | \$939,493 | \$991,454 |
| 621 | Ambulatory health care svcs. | \$271,842 | \$287,999 | \$313,504 | \$335,271 | \$357,840 | \$381,365 | \$406,077 | \$432,339 | \$458,060 | \$485,922 |
| 622-3 | Hospitals & nursing & residential care facilities | \$240,013 | \$252,595 | \$272,008 | \$296,068 | \$318,996 | \$341,188 | \$354,447 | \$377,740 | \$399,471 | \$419,246 |
| 624 | Social assistance | \$47,164 | \$51,550 | \$54,989 | \$59,605 | \$64,363 | \$67,822 | \$72,813 | \$76,436 | \$81,962 | \$86,286 |
| 71 | Arts, entertainment & recreation | \$90,965 | \$98,566 | \$94,816 | \$102,140 | \$105,752 | \$113,289 | \$117,274 | \$126,570 | \$131,837 | \$138,031 |
| 711-2 | Performing arts, museums & related activities | \$43,380 | \$48,310 | \$49,826 | \$55,338 | \$59,005 | \$62,235 | \$63,802 | \$68,144 | \$73,483 | \$74,886 |
| 713 | Amusements, gambling & recreation | \$47,585 | \$50,256 | \$44,990 | \$46,802 | \$46,747 | \$51,054 | \$53,472 | \$58,426 | \$58,354 | \$63,145 |
| 72 | Accommodation & food svcs. | \$264,434 | \$283,043 | \$296,358 | \$309,010 | \$321,166 | \$343,425 | \$364,307 | \$384,705 | \$405,598 | \$407,421 |
| 721 | Accommodation | \$82,618 | \$88,699 | \$91,314 | \$92,764 | \$93,791 | \$100,593 | \$108,681 | \$113,594 | \$121,040 | \$119,082 |
| 722 | Food services & drinking places | \$181,816 | \$194,344 | \$205,044 | \$216,246 | \$227,376 | \$242,831 | \$255,626 | \$271,111 | \$284,558 | \$288,339 |
| 81 | Other svcs., except government | \$259,340 | \$277,588 | \$264,193 | \$284,966 | \$289,672 | \$302,980 | \$318,454 | \$332,009 | \$352,649 | \$365,477 |
| 92 | Government | \$1,087,290 | \$1,148,080 | \$1,207,250 | \$1,283,040 | \$1,360,940 | \$1,428,840 | \$1,502,060 | \$1,579,830 | \$1,670,210 | \$1,755,930 |
| 92a & b | Federal government | \$294,882 | \$311,088 | \$316,936 | \$346,656 | \$372,911 | \$399,571 | \$417,965 | \$438,526 | \$459,871 | \$480,991 |
| 92a | Civilian ³ | \$206,005 | \$217,565 | \$218,101 | \$235,853 | \$247,661 | \$264,134 | \$271,046 | \$283,598 | \$295,478 | \$304,336 |
| 92b | Military | \$88,877 | \$93,523 | \$98,835 | \$110,803 | \$125,250 | \$135,437 | \$146,919 | \$154,928 | \$164,393 | \$176,655 |
| 92c | State & local | \$792,412 | \$836,994 | \$890,311 | \$936,385 | \$988,027 | \$1,029,270 | \$1,084,100 | \$1,141,310 | \$1,210,340 | \$1,274,940 |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1999-2008 (based on current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
| 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 | 88.29% | 88.38% | 88.19% | 87.86% | 87.70% | 87.88% | 88.04% | 88.13% | 88.06% | 87.76% |
| 11 | Agriculture, forestry, fishing & hunting | 1.00% | 0.97% | 0.96% | 0.89% | 1.04% | 1.21% | 1.01% | 0.92% | 1.05% | 1.14% |
| 111-2 | Crop & animal production (farms) | 0.77% | 0.74% | 0.75% | 0.68% | 0.83% | 1.00% | 0.81% | 0.70% | 0.83% | 0.92% |
| 113-5 | Forestry, fishing & related activities | 0.23% | 0.22% | 0.22% | 0.21% | 0.21% | 0.21% | 0.20% | 0.22% | 0.22% | 0.22% |
| 21 | Mining | 0.88% | 1.10% | 1.17% | 1.04% | 1.22% | 1.35% | 1.53% | 1.72% | 1.73% | 2.14% |
| 211 | Oil & gas extraction | 0.46% | 0.68% | 0.71% | 0.63% | 0.81% | 0.90% | 1.02% | 1.11% | 1.08% | 1.42% |
| 212 | Mining, except oil & gas | 0.31% | 0.28% | 0.27% | 0.26% | 0.25% | 0.26% | 0.29% | 0.31% | 0.31% | 0.34% |
| 213 | Support activities for mining | 0.12% | 0.14% | 0.18% | 0.14% | 0.16% | 0.18% | 0.22% | 0.30% | 0.34% | 0.38% |
| 22 | Utilities | 1.86% | 1.76% | 1.74% | 1.71% | 1.73% | 1.76% | 1.64% | 1.77% | 1.77% | 1.78% |
| 23 | Construction | 4.61% | 4.73% | 4.80% | 4.68% | 4.66% | 4.70% | 4.87% | 4.89% | 4.73% | 4.46% |
| 31-33 | Manufacturing | 14.73% | 14.32% | 13.15% | 12.82% | 12.41% | 12.58% | 12.49% | 12.41% | 12.22% | 11.64% |
| 32p & 33 | Durable goods | 8.64% | 8.49% | 7.43% | 7.26% | 6.92% | 6.97% | 6.99% | 6.94% | 6.77% | 6.44% |
| 321 | Wood products | 0.32% | 0.29% | 0.27% | 0.26% | 0.26% | 0.27% | 0.26% | 0.23% | 0.20% | 0.19% |
| 327 | Nonmetallic mineral products | 0.47% | 0.42% | 0.40% | 0.39% | 0.37% | 0.36% | 0.36% | 0.34% | 0.33% | 0.28% |
| 331 | Primary metals | 0.50% | 0.47% | 0.39% | 0.39% | 0.34% | 0.44% | 0.43% | 0.45% | 0.43% | 0.41% |
| 332 | Fabricated metal products | 1.25% | 1.22% | 1.08% | 1.00% | 0.94% | 0.96% | 0.96% | 0.94% | 0.97% | 0.95% |
| 333 | Machinery | 1.19% | 1.12% | 1.01% | 0.91% | 0.84% | 0.85% | 0.87% | 0.88% | 0.88% | 0.86% |
| 334 | Computer & electronic products | 1.58% | 1.74% | 1.26% | 1.25% | 1.24% | 1.35% | 1.46% | 1.50% | 1.41% | 1.36% |
| 335 | Electrical equipment & appliances | 0.46% | 0.45% | 0.42% | 0.40% | 0.38% | 0.33% | 0.32% | 0.34% | 0.33% | 0.35% |
| 336 | Transportation equipment | 1.93% | 1.85% | 1.73% | 1.78% | 1.72% | 1.57% | 1.50% | 1.42% | 1.42% | 1.28% |
| 3361-3 | Motor vehicles, bodies, trailers & parts | 1.22% | 1.19% | 1.05% | 1.15% | 1.13% | 1.00% | 0.90% | 0.81% | 0.75% | 0.62% |
| 3364-9 | Other transportation equipment | 0.71% | 0.67% | 0.68% | 0.64% | 0.59% | 0.57% | 0.61% | 0.61% | 0.67% | 0.66% |
| 337 | Furniture & related products | 0.35% | 0.34% | 0.31% | 0.30% | 0.27% | 0.26% | 0.27% | 0.27% | 0.24% | 0.21% |
| 339 | Miscellaneous mfg. | 0.58% | 0.59% | 0.56% | 0.58% | 0.56% | 0.58% | 0.55% | 0.56% | 0.57% | 0.55% |
| 31 & 32p | Nondurable goods ¹ | 6.09% | 5.83% | 5.73% | 5.56% | 5.49% | 5.60% | 5.50% | 5.47% | 5.45% | 5.20% |
| 311-2 | Food products | 1.76% | 1.67% | 1.70% | 1.67% | 1.57% | 1.43% | 1.37% | 1.36% | 1.32% | 1.32% |
| 313-4 | Textile & textile product mills | 0.30% | 0.28% | 0.25% | 0.23% | 0.18% | 0.23% | 0.19% | 0.16% | 0.15% | 0.12% |
| 315 | Apparel | 0.24% | 0.22% | 0.19% | 0.17% | 0.15% | 0.14% | 0.13% | 0.12% | 0.11% | 0.10% |
| 322 | Paper | 0.64% | 0.62% | 0.53% | 0.51% | 0.45% | 0.46% | 0.43% | 0.45% | 0.42% | 0.42% |
| 323 | Printing & related support activities | 0.43% | 0.41% | 0.38% | 0.35% | 0.33% | 0.31% | 0.30% | 0.29% | 0.28% | 0.26% |
| 324 | Petroleum & coal products | 0.38% | 0.44% | 0.58% | 0.42% | 0.70% | 0.90% | 1.11% | 1.05% | 1.05% | 1.04% |
| 325 | Chemical | 1.65% | 1.54% | 1.50% | 1.60% | 1.55% | 1.58% | 1.45% | 1.56% | 1.61% | 1.48% |
| 326 | Plastics & rubber products | 0.70% | 0.65% | 0.61% | 0.60% | 0.56% | 0.55% | 0.52% | 0.49% | 0.51% | 0.46% |
| 42 | Wholesale trade | 6.24% | 6.25% | 6.00% | 5.82% | 5.77% | 5.81% | 5.78% | 5.78% | 5.84% | 5.72% |
| 44-45 | Retail trade | 7.04% | 6.94% | 6.89% | 6.92% | 6.95% | 6.74% | 6.68% | 6.57% | 6.38% | 6.04% |
| 48-49p | Transportation & warehousing ² | 3.09% | 3.05% | 2.96% | 2.86% | 2.89% | 2.94% | 2.94% | 2.97% | 2.92% | 2.83% |
| 481 | Air transportation | 0.58% | 0.54% | 0.44% | 0.44% | 0.48% | 0.48% | 0.44% | 0.45% | 0.44% | 0.40% |
| 482 | Rail transportation | 0.23% | 0.23% | 0.22% | 0.21% | 0.21% | 0.21% | 0.21% | 0.23% | 0.23% | 0.22% |
| 483 | Water transportation | 0.07% | 0.08% | 0.08% | 0.07% | 0.08% | 0.07% | 0.07% | 0.09% | 0.10% | 0.10% |
| 484 | Truck transportation | 1.01% | 0.98% | 0.96% | 0.92% | 0.92% | 0.93% | 0.95% | 0.94% | 0.91% | 0.88% |
| 485 | Transit & ground passenger transportation | 0.19% | 0.18% | 0.18% | 0.18% | 0.18% | 0.18% | 0.17% | 0.17% | 0.17% | 0.16% |
| 486 | Pipeline transportation | 0.10% | 0.09% | 0.14% | 0.10% | 0.09% | 0.10% | 0.08% | 0.08% | 0.10% | 0.10% |
| 487-8, 492 | Other transportation & support activities | 0.66% | 0.68% | 0.69% | 0.69% | 0.69% | 0.71% | 0.73% | 0.72% | 0.69% | 0.69% |
| 493 | Warehousing & storage | 0.25% | 0.26% | 0.25% | 0.25% | 0.25% | 0.27% | 0.28% | 0.28% | 0.29% | 0.28% |
| 51 | Information | 4.72% | 4.23% | 4.41% | 4.73% | 4.60% | 4.79% | 4.72% | 4.46% | 4.45% | 4.34% |
| 511 | Publishing including software | 1.38% | 1.01% | 0.98% | 1.15% | 1.16% | 1.19% | 1.20% | 1.01% | 1.04% | 1.01% |
| 512 | Motion picture & sound recording industries | 0.51% | 0.37% | 0.46% | 0.49% | 0.44% | 0.48% | 0.45% | 0.45% | 0.44% | 0.43% |
| 513 | Broadcasting & telecommunications | 2.52% | 2.60% | 2.62% | 2.53% | 2.43% | 2.45% | 2.48% | 2.39% | 2.47% | 2.40% |
| 514 | Information & data processing svcs. | 0.32% | 0.24% | 0.35% | 0.55% | 0.58% | 0.66% | 0.59% | 0.62% | 0.49% | 0.50% |

Table A8: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1999-2008 (based on current dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | |
|------------------|---|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
| 52 | Finance & insurance | 7.34% | 7.71% | 8.21% | 8.17% | 8.16% | 7.88% | 8.19% | 8.31% | 8.02% | 8.37% |
| 521-2 | Federal Reserve, credit intermediation, etc. | 3.38% | 3.42% | 3.69% | 4.12% | 4.17% | 3.68% | 3.75% | 3.63% | 3.45% | 3.39% |
| 523 | Securities, commodity contracts, investments | 1.25% | 1.28% | 1.74% | 1.45% | 1.26% | 1.22% | 1.46% | 1.61% | 1.44% | 1.37% |
| 524 | Insurance carriers & related activities | 2.48% | 2.77% | 2.55% | 2.35% | 2.47% | 2.71% | 2.69% | 2.76% | 2.81% | 3.23% |
| 525 | Funds, trusts & other financial vehicles | 0.24% | 0.24% | 0.23% | 0.24% | 0.26% | 0.28% | 0.30% | 0.30% | 0.32% | 0.37% |
| 53 | Real estate, rental & leasing | 12.41% | 12.50% | 12.88% | 12.85% | 12.77% | 12.56% | 12.57% | 12.56% | 12.76% | 12.85% |
| 531 | Real estate | 11.01% | 11.11% | 11.39% | 11.45% | 11.45% | 11.35% | 11.35% | 11.18% | 11.34% | 11.48% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | 1.40% | 1.39% | 1.49% | 1.40% | 1.31% | 1.21% | 1.22% | 1.38% | 1.42% | 1.36% |
| 54 | Professional & technical svcs. | 6.54% | 6.70% | 6.86% | 6.80% | 6.74% | 6.88% | 6.97% | 7.15% | 7.32% | 7.46% |
| 5411 | Legal svcs. | 1.38% | 1.40% | 1.45% | 1.46% | 1.48% | 1.53% | 1.55% | 1.52% | 1.51% | 1.46% |
| 5415 | Computer systems design & related svcs. | 1.09% | 1.15% | 1.14% | 1.04% | 0.99% | 1.00% | 1.03% | 1.08% | 1.15% | 1.18% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | 4.07% | 4.15% | 4.28% | 4.31% | 4.27% | 4.34% | 4.40% | 4.55% | 4.66% | 4.82% |
| 55 | Management of companies & enterprises | 1.59% | 1.73% | 1.71% | 1.69% | 1.74% | 1.72% | 1.73% | 1.76% | 1.82% | 1.82% |
| 56 | Administrative & waste svcs. | 2.75% | 2.87% | 2.89% | 2.85% | 2.91% | 2.83% | 2.94% | 2.89% | 2.99% | 2.90% |
| 561 | Administrative & support svcs. | 2.48% | 2.60% | 2.60% | 2.56% | 2.60% | 2.54% | 2.64% | 2.63% | 2.70% | 2.62% |
| 562 | Waste management & remediation svcs. | 0.27% | 0.27% | 0.28% | 0.29% | 0.31% | 0.29% | 0.30% | 0.26% | 0.29% | 0.28% |
| 61 | Educational svcs. | 0.86% | 0.87% | 0.87% | 0.94% | 0.96% | 0.98% | 0.96% | 0.97% | 0.98% | 1.02% |
| 62 | Health care & social assistance | 6.02% | 5.99% | 6.27% | 6.54% | 6.70% | 6.70% | 6.64% | 6.66% | 6.72% | 6.91% |
| 621 | Ambulatory health care svcs. | 2.93% | 2.91% | 3.07% | 3.17% | 3.23% | 3.23% | 3.23% | 3.25% | 3.28% | 3.39% |
| 622-3 | Hospitals & nursing & residential care facilities | 2.58% | 2.56% | 2.66% | 2.80% | 2.88% | 2.89% | 2.82% | 2.84% | 2.86% | 2.92% |
| 624 | Social assistance | 0.51% | 0.52% | 0.54% | 0.56% | 0.58% | 0.58% | 0.58% | 0.57% | 0.59% | 0.60% |
| 71 | Arts, entertainment & recreation | 0.98% | 1.00% | 0.93% | 0.97% | 0.96% | 0.96% | 0.93% | 0.95% | 0.94% | 0.96% |
| 711-2 | Performing arts, museums & related activities | 0.47% | 0.49% | 0.49% | 0.52% | 0.53% | 0.53% | 0.51% | 0.51% | 0.53% | 0.52% |
| 713 | Amusements, gambling & recreation | 0.51% | 0.51% | 0.44% | 0.44% | 0.42% | 0.43% | 0.43% | 0.44% | 0.42% | 0.44% |
| 72 | Accommodation & food svcs. | 2.85% | 2.86% | 2.90% | 2.92% | 2.90% | 2.91% | 2.90% | 2.89% | 2.90% | 2.84% |
| 721 | Accommodation | 0.89% | 0.90% | 0.89% | 0.88% | 0.85% | 0.85% | 0.87% | 0.85% | 0.87% | 0.83% |
| 722 | Food services & drinking places | 1.96% | 1.97% | 2.01% | 2.05% | 2.05% | 2.06% | 2.04% | 2.04% | 2.03% | 2.01% |
| 81 | Other svcs., except government | 2.79% | 2.81% | 2.59% | 2.70% | 2.62% | 2.57% | 2.54% | 2.49% | 2.52% | 2.55% |
| 92 | Government | 11.71% | 11.62% | 11.81% | 12.14% | 12.30% | 12.12% | 11.96% | 11.87% | 11.94% | 12.24% |
| 92a & b | Federal government | 3.18% | 3.15% | 3.10% | 3.28% | 3.37% | 3.39% | 3.33% | 3.29% | 3.29% | 3.35% |
| 92a | Civilian ³ | 2.22% | 2.20% | 2.13% | 2.23% | 2.24% | 2.24% | 2.16% | 2.13% | 2.11% | 2.12% |
| 92b | Military | 0.96% | 0.95% | 0.97% | 1.05% | 1.13% | 1.15% | 1.17% | 1.16% | 1.18% | 1.23% |
| 92c | State & local | 8.53% | 8.47% | 8.71% | 8.86% | 8.93% | 8.73% | 8.64% | 8.57% | 8.65% | 8.89% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A9: U.S. Gross Domestic Product by Industry, 1999-2008 (in millions of chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Percent Change 1999-2008 |
|------------------|---|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 11-92 | All Industries* | \$10,767,500 | \$11,223,100 | \$11,364,200 | \$11,560,300 | \$11,807,800 | \$12,212,600 | \$12,554,500 | \$12,895,900 | \$13,162,800 | \$13,181,900 | 22.4% |
| 11-81 | Private industries | \$9,354,950 | \$9,785,670 | \$9,911,300 | \$10,079,100 | \$10,315,700 | \$10,713,900 | \$11,052,500 | \$11,385,500 | \$11,633,400 | \$11,619,600 | 24.2% |
| 11 | Agriculture, forestry, fishing & hunting | \$92,818 | \$103,714 | \$100,231 | \$104,323 | \$115,244 | \$122,706 | \$127,075 | \$128,072 | \$120,773 | \$132,257 | 42.5% |
| 111-2 | Crop & animal production (farms) | \$72,759 | \$83,536 | \$77,731 | \$81,172 | \$91,551 | \$97,915 | \$102,018 | \$99,131 | \$91,557 | \$103,413 | 42.1% |
| 113-5 | Forestry, fishing & related activities | \$20,102 | \$20,541 | \$22,550 | \$23,211 | \$23,789 | \$24,843 | \$25,057 | \$28,790 | \$29,089 | \$28,172 | 40.1% |
| 21 | Mining | \$264,774 | \$232,468 | \$262,735 | \$265,864 | \$231,256 | \$229,296 | \$192,043 | \$207,625 | \$198,345 | \$199,003 | -24.8% |
| 211 | Oil & gas extraction | \$222,645 | \$155,043 | \$178,352 | \$201,423 | \$161,039 | \$156,528 | \$128,622 | \$146,305 | \$138,564 | \$130,535 | -41.4% |
| 212 | Mining, except oil & gas | \$45,674 | \$45,363 | \$44,488 | \$42,575 | \$41,267 | \$39,112 | \$36,250 | \$35,168 | \$33,313 | \$31,694 | -30.6% |
| 213 | Support activities for mining | \$19,351 | \$29,162 | \$38,959 | \$27,812 | \$29,230 | \$34,248 | \$27,170 | \$26,752 | \$26,524 | \$34,531 | 78.4% |
| 22 | Utilities | \$215,492 | \$222,938 | \$193,184 | \$200,438 | \$207,607 | \$215,790 | \$205,669 | \$207,081 | \$214,290 | \$221,214 | 2.7% |
| 23 | Construction | \$634,355 | \$654,978 | \$640,208 | \$617,915 | \$619,391 | \$619,855 | \$611,652 | \$593,818 | \$570,871 | \$551,807 | -13.0% |
| 31-33 | Manufacturing | \$1,312,720 | \$1,396,510 | \$1,332,120 | \$1,365,340 | \$1,404,830 | \$1,517,860 | \$1,568,040 | \$1,636,590 | \$1,709,810 | \$1,647,420 | 25.5% |
| 32p & 33 | Durable goods | \$672,401 | \$747,470 | \$701,933 | \$728,029 | \$749,468 | \$817,684 | \$877,646 | \$937,509 | \$975,824 | \$978,413 | 45.5% |
| 321 | Wood products | \$32,666 | \$32,822 | \$31,881 | \$32,073 | \$32,000 | \$30,864 | \$33,009 | \$32,738 | \$35,889 | \$35,883 | 9.8% |
| 327 | Nonmetallic mineral products | \$46,258 | \$44,672 | \$43,895 | \$43,605 | \$43,898 | \$45,746 | \$45,340 | \$40,121 | \$40,505 | \$37,714 | -18.5% |
| 331 | Primary metals | \$63,915 | \$62,167 | \$57,194 | \$60,121 | \$56,348 | \$60,228 | \$53,679 | \$46,535 | \$44,029 | \$40,414 | -36.8% |
| 332 | Fabricated metal products | \$122,648 | \$129,568 | \$114,804 | \$110,085 | \$111,353 | \$119,277 | \$120,398 | \$126,108 | \$130,988 | \$126,517 | 3.2% |
| 333 | Machinery | \$110,848 | \$111,319 | \$100,532 | \$93,227 | \$91,371 | \$103,002 | \$109,501 | \$116,159 | \$119,816 | \$121,983 | 10.0% |
| 334 | Computer & electronic products | \$51,137 | \$81,501 | \$81,169 | \$94,227 | \$111,249 | \$144,814 | \$183,273 | \$223,815 | \$248,676 | \$273,215 | 434.3% |
| 335 | Electrical equipment & appliances | \$40,390 | \$42,599 | \$40,362 | \$40,539 | \$41,862 | \$39,566 | \$39,883 | \$44,883 | \$42,901 | \$46,194 | 14.4% |
| 336 | Transportation equipment | \$172,327 | \$171,909 | \$162,571 | \$174,875 | \$175,268 | \$175,905 | \$188,652 | \$200,275 | \$210,992 | \$203,497 | 18.1% |
| 3361-3 | Motor vehicles, bodies, trailers & parts | \$89,978 | \$93,497 | \$84,391 | \$100,516 | \$106,120 | \$106,475 | \$112,622 | \$120,963 | \$120,635 | \$112,649 | 25.2% |
| 3364-9 | Other transportation equipment | \$82,349 | \$78,412 | \$78,180 | \$74,359 | \$69,148 | \$69,430 | \$76,030 | \$79,312 | \$90,357 | \$90,848 | 10.3% |
| 337 | Furniture & related products | \$34,566 | \$35,096 | \$31,774 | \$30,806 | \$30,097 | \$32,475 | \$34,305 | \$36,107 | \$31,808 | \$28,611 | -17.2% |
| 339 | Miscellaneous mfg. | \$55,685 | \$60,243 | \$57,794 | \$60,610 | \$60,995 | \$67,936 | \$69,606 | \$74,211 | \$77,489 | \$77,989 | 40.1% |
| 31 & 32p | Nondurable goods ¹ | \$650,541 | \$649,552 | \$633,055 | \$638,924 | \$656,977 | \$701,215 | \$690,391 | \$699,707 | \$734,423 | \$673,917 | 3.6% |
| 311-2 | Food products | \$176,980 | \$175,677 | \$177,622 | \$171,841 | \$175,425 | \$162,370 | \$172,106 | \$193,070 | \$205,078 | \$189,548 | 7.1% |
| 313-4 | Textile & textile product mills | \$26,948 | \$27,445 | \$24,142 | \$23,537 | \$20,500 | \$27,033 | \$23,469 | \$20,443 | \$21,335 | \$16,382 | -39.2% |
| 315 | Apparel | \$19,423 | \$19,563 | \$17,670 | \$17,114 | \$15,614 | \$16,029 | \$16,025 | \$15,670 | \$15,151 | \$14,684 | -24.4% |
| 322 | Paper | \$62,205 | \$58,300 | \$50,386 | \$51,077 | \$49,820 | \$55,358 | \$53,814 | \$54,829 | \$53,125 | \$50,681 | -18.5% |
| 323 | Printing & related support activities | \$36,996 | \$37,464 | \$36,840 | \$37,644 | \$37,180 | \$37,954 | \$37,487 | \$36,483 | \$37,460 | \$37,334 | 0.9% |
| 324 | Petroleum & coal products | \$69,724 | \$74,135 | \$84,948 | \$80,517 | \$112,190 | \$144,068 | \$139,270 | \$120,904 | \$120,938 | \$123,377 | 77.0% |
| 325 | Chemical | \$169,477 | \$169,936 | \$164,571 | \$178,711 | \$177,301 | \$193,132 | \$182,650 | \$201,561 | \$218,310 | \$183,518 | 8.3% |
| 326 | Plastics & rubber products | \$65,414 | \$65,737 | \$61,354 | \$61,819 | \$62,650 | \$66,327 | \$65,570 | \$59,082 | \$66,573 | \$60,464 | -7.6% |
| 42 | Wholesale trade | \$566,331 | \$606,014 | \$636,356 | \$642,402 | \$681,206 | \$717,796 | \$725,284 | \$747,454 | \$766,508 | \$761,869 | 34.5% |
| 44-45 | Retail trade | \$723,262 | \$751,393 | \$774,855 | \$800,435 | \$818,550 | \$818,841 | \$838,780 | \$854,155 | \$867,699 | \$822,572 | 13.7% |
| 48-49p | Transportation & warehousing ² | \$298,298 | \$318,248 | \$306,778 | \$302,587 | \$317,852 | \$346,768 | \$369,667 | \$386,148 | \$397,714 | \$387,958 | 30.1% |
| 481 | Air transportation | \$40,402 | \$43,376 | \$37,794 | \$41,808 | \$48,718 | \$54,897 | \$55,672 | \$57,489 | \$60,280 | \$56,218 | 39.1% |
| 482 | Rail transportation | \$25,726 | \$27,313 | \$26,067 | \$24,188 | \$25,722 | \$26,877 | \$26,965 | \$27,284 | \$27,379 | \$24,627 | -4.3% |
| 483 | Water transportation | \$5,783 | \$7,212 | \$6,146 | \$4,868 | \$4,838 | \$6,152 | \$9,283 | \$14,876 | \$18,949 | \$20,986 | 262.9% |
| 484 | Truck transportation | \$102,960 | \$106,714 | \$101,707 | \$99,013 | \$102,687 | \$110,172 | \$118,913 | \$125,280 | \$129,565 | \$128,420 | 24.7% |
| 485 | Transit & ground passenger transportation | \$20,529 | \$21,003 | \$20,929 | \$21,082 | \$20,634 | \$21,491 | \$21,237 | \$21,876 | \$22,129 | \$21,736 | 5.9% |
| 486 | Pipeline transportation | \$7,651 | \$8,813 | \$13,396 | \$9,097 | \$9,451 | \$10,805 | \$10,367 | \$9,809 | \$11,502 | \$11,583 | 51.4% |
| 487-8, 492 | Other transportation & support activities | \$69,810 | \$75,653 | \$74,609 | \$75,865 | \$78,019 | \$85,055 | \$91,936 | \$93,752 | \$91,294 | \$90,138 | 29.1% |
| 493 | Warehousing & storage | \$26,255 | \$28,505 | \$27,230 | \$28,004 | \$28,706 | \$31,574 | \$35,296 | \$36,609 | \$38,388 | \$37,177 | 41.6% |
| 51 | Information | \$412,590 | \$396,849 | \$426,446 | \$473,700 | \$485,834 | \$549,489 | \$592,563 | \$598,279 | \$633,946 | \$642,586 | 55.7% |
| 511 | Publishing including software | \$132,540 | \$101,609 | \$97,801 | \$117,275 | \$123,927 | \$141,230 | \$151,201 | \$131,205 | \$143,492 | \$142,906 | 7.8% |
| 512 | Motion picture & sound recording industries | \$57,738 | \$42,622 | \$51,960 | \$54,577 | \$51,406 | \$58,131 | \$56,339 | \$58,415 | \$58,947 | \$57,423 | -0.5% |
| 513 | Broadcasting & telecommunications | \$199,927 | \$227,274 | \$241,266 | \$246,343 | \$249,042 | \$273,528 | \$311,432 | \$326,410 | \$357,861 | \$365,574 | 82.9% |
| 514 | Information & data processing srvcs. | \$29,304 | \$24,063 | \$34,964 | \$55,874 | \$61,565 | \$77,072 | \$73,591 | \$82,643 | \$73,987 | \$77,530 | 164.6% |

Table A9: U.S. Gross Domestic Product by Industry, 1999-2008 (in millions of chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Percent Change 1999-2008 |
|------------------|---|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 52 | Finance & insurance | \$755,328 | \$841,074 | \$937,251 | \$935,428 | \$947,901 | \$947,824 | \$1,028,520 | \$1,097,120 | \$1,081,790 | \$1,116,580 | 47.8% |
| 521-2 | Federal Reserve, credit intermediation, etc. | \$361,754 | \$370,580 | \$408,647 | \$452,517 | \$467,444 | \$434,123 | \$470,686 | \$486,128 | \$472,759 | \$456,329 | 26.1% |
| 523 | Securities, commodity contracts, investments | \$93,000 | \$124,413 | \$200,958 | \$173,977 | \$156,335 | \$150,448 | \$182,989 | \$208,113 | \$179,188 | \$160,093 | 72.1% |
| 524 | Insurance carriers & related activities | \$293,989 | \$338,630 | \$311,540 | \$284,974 | \$295,546 | \$330,975 | \$337,524 | \$361,269 | \$383,812 | \$450,425 | 53.2% |
| 525 | Funds, trusts & other financial vehicles | \$20,982 | \$19,472 | \$20,983 | \$24,246 | \$27,438 | \$32,333 | \$37,316 | \$41,369 | \$47,530 | \$56,575 | 169.6% |
| 53 | Real estate, rental & leasing | \$1,369,590 | \$1,421,690 | \$1,462,170 | \$1,458,980 | \$1,482,080 | \$1,517,770 | \$1,577,940 | \$1,619,410 | \$1,693,210 | \$1,704,250 | 24.4% |
| 531 | Real estate | \$1,213,870 | \$1,266,360 | \$1,291,610 | \$1,293,460 | \$1,324,990 | \$1,370,650 | \$1,424,880 | \$1,440,010 | \$1,502,320 | \$1,523,950 | 25.5% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$156,420 | \$156,122 | \$171,369 | \$166,178 | \$157,306 | \$147,122 | \$153,060 | \$179,532 | \$191,066 | \$180,420 | 15.3% |
| 54 | Professional & technical svcs. | \$714,326 | \$744,692 | \$768,265 | \$778,473 | \$790,515 | \$837,486 | \$875,641 | \$916,565 | \$940,603 | \$957,788 | 34.1% |
| 5411 | Legal svcs. | \$169,116 | \$175,882 | \$178,593 | \$178,778 | \$183,349 | \$191,273 | \$194,498 | \$191,584 | \$187,434 | \$175,226 | 3.6% |
| 5415 | Computer systems design & related svcs. | \$94,214 | \$101,804 | \$103,324 | \$100,252 | \$103,930 | \$116,172 | \$129,320 | \$143,310 | \$159,472 | \$168,440 | 78.8% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$452,001 | \$467,012 | \$486,540 | \$500,506 | \$504,051 | \$530,279 | \$551,823 | \$581,873 | \$594,809 | \$616,550 | 36.4% |
| 55 | Management of companies & enterprises | \$203,481 | \$215,084 | \$224,112 | \$225,323 | \$225,893 | \$221,081 | \$217,681 | \$219,847 | \$216,879 | \$221,996 | 9.1% |
| 56 | Administrative & waste svcs. | \$293,212 | \$311,529 | \$310,737 | \$309,125 | \$331,715 | \$335,086 | \$368,495 | \$374,587 | \$394,494 | \$395,124 | 34.8% |
| 561 | Administrative & support svcs. | \$262,362 | \$280,299 | \$278,344 | \$276,221 | \$296,500 | \$300,264 | \$331,251 | \$340,691 | \$356,293 | \$357,343 | 36.2% |
| 562 | Waste management & remediation svcs. | \$30,850 | \$31,104 | \$32,367 | \$32,920 | \$35,231 | \$34,828 | \$37,244 | \$33,887 | \$38,218 | \$37,803 | 22.5% |
| 61 | Educational svcs. | \$113,789 | \$116,046 | \$114,209 | \$119,721 | \$120,398 | \$123,459 | \$120,070 | \$121,005 | \$123,091 | \$125,822 | 10.6% |
| 62 | Health care & social assistance | \$692,392 | \$708,899 | \$731,073 | \$761,045 | \$789,112 | \$813,919 | \$833,337 | \$864,223 | \$882,256 | \$911,791 | 31.7% |
| 621 | Ambulatory health care svcs. | \$315,239 | \$326,323 | \$342,372 | \$360,296 | \$375,010 | \$389,420 | \$406,077 | \$426,732 | \$433,773 | \$452,741 | 43.6% |
| 622-3 | Hospitals & nursing & residential care facilities | \$318,980 | \$321,872 | \$325,760 | \$335,418 | \$345,754 | \$354,053 | \$354,447 | \$363,850 | \$371,976 | \$380,893 | 19.4% |
| 624 | Social assistance | \$59,685 | \$61,734 | \$63,378 | \$65,511 | \$68,461 | \$70,502 | \$72,813 | \$73,712 | \$76,544 | \$78,288 | 31.2% |
| 71 | Arts, entertainment & recreation | \$111,284 | \$114,976 | \$106,903 | \$112,177 | \$111,966 | \$116,678 | \$117,274 | \$122,962 | \$123,917 | \$127,050 | 14.2% |
| 711-2 | Performing arts, museums & related activities | \$56,066 | \$59,132 | \$58,397 | \$62,776 | \$64,136 | \$65,179 | \$63,802 | \$65,709 | \$68,010 | \$67,556 | 20.5% |
| 713 | Amusements, gambling & recreation | \$54,661 | \$55,399 | \$48,407 | \$49,412 | \$47,934 | \$51,530 | \$53,472 | \$57,263 | \$55,870 | \$59,545 | 8.9% |
| 72 | Accommodation & food svcs. | \$314,276 | \$327,836 | \$329,054 | \$331,799 | \$342,115 | \$355,782 | \$364,307 | \$373,102 | \$379,234 | \$369,536 | 17.6% |
| 721 | Accommodation | \$95,870 | \$100,387 | \$98,353 | \$99,234 | \$100,283 | \$105,030 | \$108,681 | \$110,289 | \$112,859 | \$109,567 | 14.3% |
| 722 | Food services & drinking places | \$218,317 | \$227,344 | \$230,689 | \$232,553 | \$241,819 | \$250,746 | \$255,626 | \$262,811 | \$266,373 | \$259,965 | 19.1% |
| 81 | Other svcs., except government | \$341,305 | \$346,571 | \$310,354 | \$320,132 | \$314,949 | \$317,309 | \$318,454 | \$318,802 | \$325,919 | \$324,990 | -4.8% |
| 92 | Government | \$1,412,270 | \$1,437,500 | \$1,453,000 | \$1,481,130 | \$1,492,340 | \$1,497,410 | \$1,502,060 | \$1,510,720 | \$1,530,500 | \$1,561,600 | 10.6% |
| 92a & b | Federal government | \$408,440 | \$412,406 | \$408,315 | \$417,220 | \$421,762 | \$422,254 | \$417,965 | \$417,597 | \$418,025 | \$429,455 | 5.1% |
| 92a | Civilian ³ | \$276,793 | \$279,056 | \$272,904 | \$277,287 | \$276,019 | \$274,720 | \$271,046 | \$272,491 | \$273,175 | \$277,235 | 0.2% |
| 92b | Military | \$131,647 | \$133,350 | \$135,411 | \$139,933 | \$145,743 | \$147,534 | \$146,919 | \$145,106 | \$144,850 | \$152,220 | 15.6% |
| 92c | State & local | \$1,003,960 | \$1,024,990 | \$1,044,170 | \$1,063,580 | \$1,070,540 | \$1,075,170 | \$1,084,100 | \$1,093,150 | \$1,112,560 | \$1,132,050 | 12.8% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 | |
|------------------|---|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|-------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | | |
| 11-92 | All Industries* | 100.00% | 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 | 86.88% | 87.19% | 87.22% | 87.19% | 87.36% | 87.73% | 88.04% | 88.29% | 88.38% | 88.15% | 1.27% | |
| 11 | Agriculture, forestry, fishing & hunting | 0.86% | 0.92% | 0.88% | 0.90% | 0.98% | 1.00% | 1.01% | 0.99% | 0.92% | 1.00% | 0.14% | |
| 111-2 | Crop & animal production (farms) | 0.68% | 0.74% | 0.68% | 0.70% | 0.78% | 0.80% | 0.81% | 0.77% | 0.70% | 0.78% | 0.11% | |
| 113-5 | Forestry, fishing & related activities | 0.19% | 0.18% | 0.20% | 0.20% | 0.20% | 0.20% | 0.20% | 0.22% | 0.22% | 0.21% | 0.03% | |
| 21 | Mining | 2.46% | 2.07% | 2.31% | 2.30% | 1.96% | 1.88% | 1.53% | 1.61% | 1.51% | 1.51% | -0.95% | |
| 211 | Oil & gas extraction | 2.07% | 1.38% | 1.57% | 1.74% | 1.36% | 1.28% | 1.02% | 1.13% | 1.05% | 0.99% | -1.08% | |
| 212 | Mining, except oil & gas | 0.42% | 0.40% | 0.39% | 0.37% | 0.35% | 0.32% | 0.29% | 0.27% | 0.25% | 0.24% | -0.18% | |
| 213 | Support activities for mining | 0.18% | 0.26% | 0.34% | 0.24% | 0.25% | 0.28% | 0.22% | 0.21% | 0.20% | 0.26% | 0.08% | |
| 22 | Utilities | 2.00% | 1.99% | 1.70% | 1.73% | 1.76% | 1.77% | 1.64% | 1.61% | 1.63% | 1.68% | -0.32% | |
| 23 | Construction | 5.89% | 5.84% | 5.63% | 5.35% | 5.25% | 5.08% | 4.87% | 4.60% | 4.34% | 4.19% | -1.71% | |
| 31-33 | Manufacturing | 12.19% | 12.44% | 11.72% | 11.81% | 11.90% | 12.43% | 12.49% | 12.69% | 12.99% | 12.50% | 0.31% | |
| 32p & 33 | Durable goods | 6.24% | 6.66% | 6.18% | 6.30% | 6.35% | 6.70% | 6.99% | 7.27% | 7.41% | 7.42% | 1.18% | |
| 321 | Wood products | 0.30% | 0.29% | 0.28% | 0.28% | 0.27% | 0.25% | 0.26% | 0.25% | 0.27% | 0.27% | -0.03% | |
| 327 | Nonmetallic mineral products | 0.43% | 0.40% | 0.39% | 0.38% | 0.37% | 0.37% | 0.36% | 0.31% | 0.31% | 0.29% | -0.14% | |
| 331 | Primary metals | 0.59% | 0.55% | 0.50% | 0.52% | 0.48% | 0.49% | 0.43% | 0.36% | 0.33% | 0.31% | -0.29% | |
| 332 | Fabricated metal products | 1.14% | 1.15% | 1.01% | 0.95% | 0.94% | 0.98% | 0.96% | 0.98% | 1.00% | 0.96% | -0.18% | |
| 333 | Machinery | 1.03% | 0.99% | 0.88% | 0.81% | 0.77% | 0.84% | 0.87% | 0.90% | 0.91% | 0.93% | -0.10% | |
| 334 | Computer & electronic products | 0.47% | 0.73% | 0.71% | 0.82% | 0.94% | 1.19% | 1.46% | 1.74% | 1.89% | 2.07% | 1.60% | |
| 335 | Electrical equipment & appliances | 0.38% | 0.38% | 0.36% | 0.35% | 0.35% | 0.32% | 0.32% | 0.35% | 0.33% | 0.35% | -0.02% | |
| 336 | Transportation equipment | 1.60% | 1.53% | 1.43% | 1.51% | 1.48% | 1.44% | 1.50% | 1.55% | 1.60% | 1.54% | -0.06% | |
| 3361-3 | Motor vehicles, bodies, trailers & parts | 0.84% | 0.83% | 0.74% | 0.87% | 0.90% | 0.87% | 0.90% | 0.94% | 0.92% | 0.85% | 0.02% | |
| 3364-9 | Other transportation equipment | 0.76% | 0.70% | 0.69% | 0.64% | 0.59% | 0.57% | 0.61% | 0.62% | 0.69% | 0.69% | -0.08% | |
| 337 | Furniture & related products | 0.32% | 0.31% | 0.28% | 0.27% | 0.25% | 0.27% | 0.27% | 0.28% | 0.24% | 0.22% | -0.10% | |
| 339 | Miscellaneous mfg. | 0.52% | 0.54% | 0.51% | 0.52% | 0.52% | 0.56% | 0.55% | 0.58% | 0.59% | 0.59% | 0.07% | |
| 31 & 32p | Nondurable goods ¹ | 6.04% | 5.79% | 5.57% | 5.53% | 5.56% | 5.74% | 5.50% | 5.43% | 5.58% | 5.11% | -0.93% | |
| 311-2 | Food products | 1.64% | 1.57% | 1.56% | 1.49% | 1.49% | 1.33% | 1.37% | 1.50% | 1.56% | 1.44% | -0.21% | |
| 313-4 | Textile & textile product mills | 0.25% | 0.24% | 0.21% | 0.20% | 0.17% | 0.22% | 0.19% | 0.16% | 0.16% | 0.12% | -0.13% | |
| 315 | Apparel | 0.18% | 0.17% | 0.16% | 0.15% | 0.13% | 0.13% | 0.13% | 0.12% | 0.12% | 0.11% | -0.07% | |
| 322 | Paper | 0.58% | 0.52% | 0.44% | 0.44% | 0.42% | 0.45% | 0.43% | 0.43% | 0.40% | 0.38% | -0.19% | |
| 323 | Printing & related support activities | 0.34% | 0.33% | 0.32% | 0.33% | 0.31% | 0.31% | 0.30% | 0.28% | 0.28% | 0.28% | -0.06% | |
| 324 | Petroleum & coal products | 0.65% | 0.66% | 0.75% | 0.70% | 0.95% | 1.18% | 1.11% | 0.94% | 0.92% | 0.94% | 0.29% | |
| 325 | Chemical | 1.57% | 1.51% | 1.45% | 1.55% | 1.50% | 1.58% | 1.45% | 1.56% | 1.66% | 1.39% | -0.18% | |
| 326 | Plastics & rubber products | 0.61% | 0.59% | 0.54% | 0.53% | 0.53% | 0.54% | 0.52% | 0.46% | 0.51% | 0.46% | -0.15% | |
| 42 | Wholesale trade | 5.26% | 5.40% | 5.60% | 5.56% | 5.77% | 5.88% | 5.78% | 5.80% | 5.82% | 5.78% | 0.52% | |
| 44-45 | Retail trade | 6.72% | 6.70% | 6.82% | 6.92% | 6.93% | 6.70% | 6.68% | 6.62% | 6.59% | 6.24% | -0.48% | |
| 48-49p | Transportation & warehousing ² | 2.77% | 2.84% | 2.70% | 2.62% | 2.69% | 2.84% | 2.94% | 2.99% | 3.02% | 2.94% | 0.17% | |
| 481 | Air transportation | 0.38% | 0.39% | 0.33% | 0.36% | 0.41% | 0.45% | 0.44% | 0.45% | 0.46% | 0.43% | 0.05% | |
| 482 | Rail transportation | 0.24% | 0.24% | 0.23% | 0.21% | 0.22% | 0.22% | 0.21% | 0.21% | 0.21% | 0.19% | -0.05% | |
| 483 | Water transportation | 0.05% | 0.06% | 0.05% | 0.04% | 0.04% | 0.05% | 0.07% | 0.12% | 0.14% | 0.16% | 0.11% | |
| 484 | Truck transportation | 0.96% | 0.95% | 0.89% | 0.86% | 0.87% | 0.90% | 0.95% | 0.97% | 0.98% | 0.97% | 0.02% | |
| 485 | Transit & ground passenger transportation | 0.19% | 0.19% | 0.18% | 0.18% | 0.17% | 0.18% | 0.17% | 0.17% | 0.17% | 0.16% | -0.03% | |
| 486 | Pipeline transportation | 0.07% | 0.08% | 0.12% | 0.08% | 0.08% | 0.09% | 0.08% | 0.08% | 0.09% | 0.09% | 0.02% | |
| 487-8, 492 | Other transportation & support activities | 0.65% | 0.67% | 0.66% | 0.66% | 0.66% | 0.70% | 0.73% | 0.73% | 0.69% | 0.68% | 0.04% | |
| 493 | Warehousing & storage | 0.24% | 0.25% | 0.24% | 0.24% | 0.24% | 0.26% | 0.28% | 0.28% | 0.29% | 0.28% | 0.04% | |
| 51 | Information | 3.83% | 3.54% | 3.75% | 4.10% | 4.11% | 4.50% | 4.72% | 4.64% | 4.82% | 4.87% | 1.04% | |
| 511 | Publishing including software | 1.23% | 0.91% | 0.86% | 1.01% | 1.05% | 1.16% | 1.20% | 1.02% | 1.09% | 1.08% | -0.15% | |
| 512 | Motion picture & sound recording industries | 0.54% | 0.38% | 0.46% | 0.47% | 0.44% | 0.48% | 0.45% | 0.45% | 0.45% | 0.44% | -0.10% | |
| 513 | Broadcasting & telecommunications | 1.86% | 2.03% | 2.12% | 2.13% | 2.11% | 2.24% | 2.48% | 2.53% | 2.72% | 2.77% | 0.92% | |
| 514 | Information & data processing svcs. | 0.27% | 0.21% | 0.31% | 0.48% | 0.52% | 0.63% | 0.59% | 0.64% | 0.56% | 0.59% | 0.32% | |

Table A10: Percentage Distribution of U.S. Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 |
|------------------|---|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 52 | Finance & insurance | 7.01% | 7.49% | 8.25% | 8.09% | 8.03% | 7.76% | 8.19% | 8.51% | 8.22% | 8.47% | 1.46% |
| 521-2 | Federal Reserve, credit intermediation, etc. | 3.36% | 3.30% | 3.60% | 3.91% | 3.96% | 3.55% | 3.75% | 3.77% | 3.59% | 3.46% | 0.10% |
| 523 | Securities, commodity contracts, investments | 0.86% | 1.11% | 1.77% | 1.50% | 1.32% | 1.23% | 1.46% | 1.61% | 1.36% | 1.21% | 0.35% |
| 524 | Insurance carriers & related activities | 2.73% | 3.02% | 2.74% | 2.47% | 2.50% | 2.71% | 2.69% | 2.80% | 2.92% | 3.42% | 0.69% |
| 525 | Funds, trusts & other financial vehicles | 0.19% | 0.17% | 0.18% | 0.21% | 0.23% | 0.26% | 0.30% | 0.32% | 0.36% | 0.43% | 0.23% |
| 53 | Real estate, rental & leasing | 12.72% | 12.67% | 12.87% | 12.62% | 12.55% | 12.43% | 12.57% | 12.56% | 12.86% | 12.93% | 0.21% |
| 531 | Real estate | 11.27% | 11.28% | 11.37% | 11.19% | 11.22% | 11.22% | 11.35% | 11.17% | 11.41% | 11.56% | 0.29% |
| 532-3 | Rental & leasing svcs., leasing intangible assets | 1.45% | 1.39% | 1.51% | 1.44% | 1.33% | 1.20% | 1.22% | 1.39% | 1.45% | 1.37% | -0.08% |
| 54 | Professional & technical svcs. | 6.63% | 6.64% | 6.76% | 6.73% | 6.69% | 6.86% | 6.97% | 7.11% | 7.15% | 7.27% | 0.63% |
| 5411 | Legal svcs. | 1.57% | 1.57% | 1.57% | 1.55% | 1.55% | 1.57% | 1.55% | 1.49% | 1.42% | 1.33% | -0.24% |
| 5415 | Computer systems design & related svcs. | 0.87% | 0.91% | 0.91% | 0.87% | 0.88% | 0.95% | 1.03% | 1.11% | 1.21% | 1.28% | 0.40% |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | 4.20% | 4.16% | 4.28% | 4.33% | 4.27% | 4.34% | 4.40% | 4.51% | 4.52% | 4.68% | 0.48% |
| 55 | Management of companies & enterprises | 1.89% | 1.92% | 1.97% | 1.95% | 1.91% | 1.81% | 1.73% | 1.70% | 1.65% | 1.68% | -0.21% |
| 56 | Administrative & waste svcs. | 2.72% | 2.78% | 2.73% | 2.67% | 2.81% | 2.74% | 2.94% | 2.90% | 3.00% | 3.00% | 0.27% |
| 561 | Administrative & support svcs. | 2.44% | 2.50% | 2.45% | 2.39% | 2.51% | 2.46% | 2.64% | 2.64% | 2.71% | 2.71% | 0.27% |
| 562 | Waste management & remediation svcs. | 0.29% | 0.28% | 0.28% | 0.28% | 0.30% | 0.29% | 0.30% | 0.26% | 0.29% | 0.29% | 0.00% |
| 61 | Educational svcs. | 1.06% | 1.03% | 1.00% | 1.04% | 1.02% | 1.01% | 0.96% | 0.94% | 0.94% | 0.95% | -0.10% |
| 62 | Health care & social assistance | 6.43% | 6.32% | 6.43% | 6.58% | 6.68% | 6.66% | 6.64% | 6.70% | 6.70% | 6.92% | 0.49% |
| 621 | Ambulatory health care svcs. | 2.93% | 2.93% | 3.01% | 3.12% | 3.18% | 3.19% | 3.23% | 3.31% | 3.30% | 3.43% | 0.51% |
| 622-3 | Hospitals & nursing & residential care facilities | 2.96% | 2.87% | 2.87% | 2.90% | 2.93% | 2.90% | 2.82% | 2.82% | 2.83% | 2.89% | -0.07% |
| 624 | Social assistance | 0.55% | 0.55% | 0.56% | 0.57% | 0.58% | 0.58% | 0.58% | 0.57% | 0.58% | 0.59% | 0.04% |
| 71 | Arts, entertainment & recreation | 1.03% | 1.02% | 0.94% | 0.97% | 0.95% | 0.96% | 0.93% | 0.95% | 0.94% | 0.96% | -0.07% |
| 711-2 | Performing arts, museums & related activities | 0.52% | 0.53% | 0.51% | 0.54% | 0.54% | 0.53% | 0.51% | 0.51% | 0.52% | 0.51% | -0.01% |
| 713 | Amusements, gambling & recreation | 0.51% | 0.49% | 0.43% | 0.43% | 0.41% | 0.42% | 0.43% | 0.44% | 0.42% | 0.45% | -0.06% |
| 72 | Accommodation & food svcs. | 2.92% | 2.92% | 2.90% | 2.87% | 2.90% | 2.91% | 2.90% | 2.89% | 2.88% | 2.80% | -0.12% |
| 721 | Accommodation | 0.89% | 0.89% | 0.87% | 0.86% | 0.85% | 0.86% | 0.87% | 0.86% | 0.86% | 0.83% | -0.06% |
| 722 | Food services & drinking places | 2.03% | 2.03% | 2.03% | 2.01% | 2.05% | 2.05% | 2.04% | 2.04% | 2.02% | 1.97% | -0.06% |
| 81 | Other svcs., except government | 3.17% | 3.09% | 2.73% | 2.77% | 2.67% | 2.60% | 2.54% | 2.47% | 2.48% | 2.47% | -0.70% |
| 92 | Government | 13.12% | 12.81% | 12.79% | 12.81% | 12.64% | 12.26% | 11.96% | 11.71% | 11.63% | 11.85% | -1.27% |
| 92a & b | Federal government | 3.79% | 3.67% | 3.59% | 3.61% | 3.57% | 3.46% | 3.33% | 3.24% | 3.18% | 3.26% | -0.54% |
| 92a | Civilian ³ | 2.57% | 2.49% | 2.40% | 2.40% | 2.34% | 2.25% | 2.16% | 2.11% | 2.08% | 2.10% | -0.47% |
| 92b | Military | 1.22% | 1.19% | 1.19% | 1.21% | 1.23% | 1.21% | 1.17% | 1.13% | 1.10% | 1.15% | -0.07% |
| 92c | State & local | 9.32% | 9.13% | 9.19% | 9.20% | 9.07% | 8.80% | 8.64% | 8.48% | 8.45% | 8.59% | -0.74% |

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; svcs. - services.

Source: U.S. Bureau Economic Analysis (2010).

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Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 | |
|------------------|---|------------------------|------|------|------|------|------|------|------|------|-------------------|----------------------|-------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 ¹ | | |
| 11-92 | All Industries | 1.00 | 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 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | -0.01 |
| 11 | Agriculture, forestry, fishing & hunting | 0.45 | 0.54 | 0.52 | 0.50 | 0.49 | 0.56 | 0.52 | 0.57 | 0.58 | 0.59 | 0.59 | 0.13 |
| 111-2 | Crop & animal production (farms) | 0.50 | 0.61 | 0.58 | 0.56 | 0.54 | 0.61 | 0.58 | 0.66 | 0.66 | 0.65 | 0.65 | 0.15 |
| 113-5 | Forestry, fishing & related activities | 0.29 | 0.29 | 0.31 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.30 | 0.30 | 0.01 |
| 21 | Mining | 0.37 | 0.33 | 0.34 | 0.33 | 0.30 | 0.29 | 0.26 | 0.25 | 0.23 | 0.22 | 0.22 | -0.15 |
| 211 | Oil & gas extraction | 0.16 | 0.14 | 0.15 | 0.23 | 0.19 | 0.17 | 0.16 | 0.15 | 0.13 | 0.12 | 0.12 | -0.05 |
| 212 | Mining, except oil & gas | 0.76 | 0.89 | 0.98 | 0.68 | 0.71 | 0.70 | 0.63 | 0.59 | 0.56 | 0.58 | 0.58 | -0.19 |
| 213 | Support activities for mining | 0.16 | 0.15 | 0.15 | 0.18 | 0.21 | 0.28 | 0.29 | 0.26 | 0.26 | 0.28 | 0.28 | 0.12 |
| 22 | Utilities | 1.11 | 1.06 | 1.08 | 1.03 | 0.99 | 0.94 | 0.94 | 0.95 | 1.07 | 1.08 | 1.08 | -0.03 |
| 23 | Construction | 0.96 | 0.95 | 0.91 | 0.89 | 0.87 | 0.85 | 0.80 | 0.78 | 0.77 | 0.77 | 0.77 | -0.20 |
| 31-33 | Manufacturing | 1.63 | 1.58 | 1.54 | 1.57 | 1.54 | 1.54 | 1.53 | 1.51 | 1.48 | 1.44 | 1.44 | -0.19 |
| 32p & 33 | Durable goods | 1.84 | 1.83 | 1.82 | 1.83 | 1.81 | 1.84 | 1.84 | 1.78 | 1.75 | 1.74 | 1.74 | -0.10 |
| 321 | Wood products | 0.89 | 0.97 | 0.96 | 1.02 | 0.78 | 0.97 | 0.89 | 0.90 | 0.95 | 1.02 | 1.02 | 0.13 |
| 327 | Nonmetallic mineral products | 1.98 | 2.00 | 1.89 | 1.99 | 1.94 | 1.72 | 1.57 | 1.53 | 1.59 | 1.72 | 1.72 | -0.26 |
| 331 | Primary metals | 3.75 | 3.66 | 3.35 | 2.95 | 2.80 | 2.94 | 3.52 | 3.18 | 3.37 | 3.26 | 3.26 | -0.48 |
| 332 | Fabricated metal products | 2.27 | 2.26 | 2.20 | 2.26 | 2.39 | 2.38 | 2.37 | 2.49 | 2.42 | 2.69 | 2.69 | 0.42 |
| 333 | Machinery | 1.63 | 1.59 | 1.63 | 1.58 | 1.67 | 1.68 | 1.77 | 1.68 | 1.69 | 1.65 | 1.65 | 0.02 |
| 334 | Computer & electronic products | 0.47 | 0.45 | 0.43 | 0.35 | 0.32 | 0.37 | 0.45 | 0.42 | 0.41 | 0.49 | 0.49 | 0.02 |
| 335 | Electrical equipment & appliances | 2.35 | 2.42 | 2.33 | 2.42 | 2.91 | 2.72 | 2.79 | 2.37 | 2.36 | 2.36 | 2.36 | 0.01 |
| 336 | Transportation equipment | 2.48 | 2.72 | 2.59 | 2.68 | 2.61 | 2.94 | 2.89 | 2.96 | 2.70 | 2.54 | 2.54 | 0.05 |
| 3361-3 | Motor vehicles, bodies, trailers & parts | 3.64 | 3.73 | 3.63 | 3.67 | 3.38 | 3.91 | 3.88 | 3.98 | 3.66 | 3.56 | 3.56 | -0.08 |
| 3364-9 | Other transportation equipment | 1.22 | 1.52 | 1.45 | 1.33 | 1.42 | 1.45 | 1.43 | 1.42 | 1.41 | 1.27 | 1.27 | 0.05 |
| 337 | Furniture & related products | 1.17 | 1.16 | 1.23 | 1.32 | 1.34 | 1.30 | 1.35 | 1.30 | 1.39 | 1.23 | 1.23 | 0.06 |
| 339 | Miscellaneous mfg. | 0.89 | 0.88 | 0.88 | 0.92 | 0.82 | 0.86 | 0.83 | 0.85 | 0.80 | 0.79 | 0.79 | -0.10 |
| 31 & 32p | Nondurable goods ¹ | 1.19 | 1.14 | 1.18 | 1.26 | 1.21 | 1.18 | 1.15 | 1.18 | 1.20 | 1.12 | 1.12 | -0.06 |
| 311-2 | Food products | 1.11 | 1.05 | 1.18 | 1.24 | 1.16 | 1.23 | 1.15 | 1.23 | 1.26 | 1.21 | 1.21 | 0.10 |
| 313-4 | Textile & textile product mills | 0.44 | 0.45 | 0.51 | 0.48 | 0.47 | 0.45 | 0.46 | 0.48 | 0.60 | 0.61 | 0.61 | 0.17 |
| 315 | Apparel | 0.16 | 0.18 | 0.26 | 0.27 | 0.35 | 0.35 | 0.40 | 0.38 | 0.51 | 0.50 | 0.50 | 0.34 |
| 322 | Paper | 1.10 | 1.05 | 1.14 | 1.19 | 1.11 | 1.14 | 1.16 | 1.21 | 1.26 | 1.18 | 1.18 | 0.08 |
| 323 | Printing & related support activities | 1.27 | 1.27 | 1.28 | 1.39 | 1.49 | 1.53 | 1.56 | 1.56 | 1.49 | 1.38 | 1.38 | 0.11 |
| 324 | Petroleum & coal products | 0.65 | 1.02 | 0.91 | 0.86 | 0.69 | 0.66 | 0.75 | 0.87 | 0.62 | 0.47 | 0.47 | -0.19 |
| 325 | Chemical | 1.17 | 1.03 | 1.12 | 1.19 | 1.23 | 1.19 | 1.08 | 1.05 | 1.20 | 1.19 | 1.19 | 0.02 |
| 326 | Plastics & rubber products | 2.41 | 2.33 | 2.14 | 2.33 | 2.34 | 2.30 | 2.36 | 2.32 | 2.36 | 2.22 | 2.22 | -0.19 |
| 42 | Wholesale trade | 0.99 | 0.96 | 1.00 | 0.98 | 0.99 | 1.00 | 1.02 | 1.06 | 1.05 | 1.06 | 1.06 | 0.07 |
| 44-45 | Retail trade | 1.07 | 1.08 | 1.09 | 1.08 | 1.10 | 1.09 | 1.08 | 1.05 | 1.06 | 1.06 | 1.06 | -0.01 |
| 48-49p | Transportation & warehousing ² | 0.94 | 0.96 | 0.98 | 0.99 | 1.01 | 1.02 | 1.08 | 1.12 | 1.12 | 1.15 | 1.15 | 0.20 |
| 481 | Air transportation | 0.46 | 0.47 | 0.42 | 0.51 | 0.64 | 0.64 | 0.71 | 0.73 | 0.72 | 0.82 | 0.82 | 0.36 |
| 482 | Rail transportation | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.04 | 1.07 | 1.07 | 0.03 |
| 483 | Water transportation | 0.80 | 0.83 | 0.74 | 0.70 | 0.62 | 0.44 | 0.43 | 0.38 | 0.30 | 0.26 | 0.26 | -0.55 |
| 484 | Truck transportation | 1.27 | 1.23 | 1.32 | 1.35 | 1.35 | 1.37 | 1.40 | 1.43 | 1.46 | 1.48 | 1.48 | 0.21 |
| 485 | Transit & ground passenger transportation | 0.40 | 0.40 | 0.41 | 0.43 | 0.43 | 0.44 | 0.44 | 0.45 | 0.46 | 0.46 | 0.46 | 0.06 |
| 486 | Pipeline transportation | 0.26 | 0.23 | 0.19 | 0.34 | 0.33 | 0.30 | 0.37 | 0.37 | 0.34 | 0.33 | 0.33 | 0.07 |
| 487-8, 492 | Other transportation & support activities | 1.06 | 1.16 | 1.12 | 1.02 | 1.01 | 1.00 | 1.04 | 1.12 | 1.09 | 1.11 | 1.11 | 0.05 |
| 493 | Warehousing & storage | 1.08 | 1.11 | 1.11 | 1.10 | 1.21 | 1.31 | 1.46 | 1.64 | 1.72 | 1.72 | 1.72 | 0.64 |
| 51 | Information | 0.62 | 0.61 | 0.62 | 0.63 | 0.65 | 0.64 | 0.64 | 0.62 | 0.63 | 0.63 | 0.63 | 0.02 |
| 511 | Publishing including software | 0.71 | 0.66 | 0.75 | 0.81 | 0.85 | 0.90 | 0.90 | 0.88 | 0.86 | 0.88 | 0.88 | 0.17 |
| 512 | Motion picture & sound recording industries | 0.19 | 0.20 | 0.18 | 0.17 | 0.17 | 0.15 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | -0.04 |
| 513 | Broadcasting & telecommunications | 0.66 | 0.65 | 0.65 | 0.64 | 0.64 | 0.63 | 0.63 | 0.63 | 0.66 | 0.66 | 0.66 | 0.00 |
| 514 | Information & data processing svcs. | 0.62 | 0.56 | 0.68 | 0.64 | 0.64 | 0.54 | 0.53 | 0.52 | 0.41 | 0.43 | 0.43 | -0.19 |

Table A11: Concentration Ratio of Ohio::U.S. Gross Domestic Product by Industry, 1999-2008 (based on chained 2005 dollars)

| 1997 NAICS Codes | Sector & Major Industry Titles | Gross Domestic Product | | | | | | | | | | Difference 1999-2008 |
|------------------|---|------------------------|------|------|------|------|------|------|------|------|-------|----------------------|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* | |
| 52 | Finance & insurance | 0.94 | 0.99 | 0.94 | 0.98 | 1.01 | 1.03 | 1.04 | 0.99 | 1.01 | 1.06 | 0.11 |
| 521-2 | Federal Reserve, credit intermediation, etc. | 1.03 | 1.08 | 1.10 | 1.16 | 1.19 | 1.27 | 1.30 | 1.25 | 1.23 | 1.25 | 0.22 |
| 523 | Securities, commodity contracts, investments | 0.38 | 0.36 | 0.36 | 0.37 | 0.38 | 0.37 | 0.35 | 0.34 | 0.33 | 0.32 | -0.06 |
| 524 | Insurance carriers & related activities | 1.14 | 1.21 | 1.16 | 1.11 | 1.11 | 1.10 | 1.13 | 1.12 | 1.19 | 1.25 | 0.11 |
| 525 | Funds, trusts & other financial vehicles | 0.47 | 0.47 | 0.26 | 0.23 | 0.20 | 0.18 | 0.18 | 0.23 | 0.25 | 0.28 | -0.18 |
| 53 | Real estate, rental & leasing | 0.87 | 0.89 | 0.93 | 0.91 | 0.89 | 0.86 | 0.83 | 0.82 | 0.82 | 0.82 | -0.05 |
| 531 | Real estate | 0.87 | 0.89 | 0.93 | 0.90 | 0.89 | 0.85 | 0.82 | 0.81 | 0.81 | 0.82 | -0.05 |
| 532-3 | Rental & leasing srvc., leasing intangible assets | 0.84 | 0.94 | 0.92 | 0.94 | 0.86 | 0.88 | 0.87 | 0.87 | 0.85 | 0.86 | 0.02 |
| 54 | Professional & technical srvc. | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.76 | 0.77 | 0.78 | 0.79 | 0.02 |
| 5411 | Legal srvc. | 0.74 | 0.73 | 0.73 | 0.74 | 0.70 | 0.69 | 0.67 | 0.65 | 0.67 | 0.68 | -0.06 |
| 5415 | Computer systems design & related srvc. | 0.78 | 0.71 | 0.78 | 0.80 | 0.84 | 0.85 | 0.85 | 0.88 | 0.93 | 0.94 | 0.16 |
| 5412-4, 6-9 | Other professional, scientific & technical srvc. | 0.77 | 0.80 | 0.78 | 0.77 | 0.77 | 0.78 | 0.77 | 0.78 | 0.78 | 0.78 | 0.01 |
| 55 | Management of companies & enterprises | 1.23 | 1.18 | 1.25 | 1.45 | 1.50 | 1.53 | 1.60 | 1.66 | 1.61 | 1.65 | 0.43 |
| 56 | Administrative & waste srvc. | 1.00 | 0.96 | 0.97 | 0.97 | 0.99 | 1.02 | 1.00 | 1.03 | 1.03 | 1.04 | 0.04 |
| 561 | Administrative & support srvc. | 0.99 | 0.94 | 0.95 | 0.95 | 0.97 | 1.00 | 0.99 | 1.01 | 1.02 | 1.04 | 0.04 |
| 562 | Waste management & remediation srvc. | 1.09 | 1.10 | 1.12 | 1.09 | 1.18 | 1.19 | 1.16 | 1.16 | 1.06 | 1.06 | -0.04 |
| 61 | Educational srvc. | 0.79 | 0.81 | 0.82 | 0.80 | 0.80 | 0.82 | 0.84 | 0.88 | 0.87 | 0.87 | 0.09 |
| 62 | Health care & social assistance | 1.10 | 1.13 | 1.17 | 1.15 | 1.16 | 1.17 | 1.19 | 1.23 | 1.21 | 1.21 | 0.10 |
| 621 | Ambulatory health care srvc. | 1.02 | 1.08 | 1.08 | 1.06 | 1.07 | 1.08 | 1.10 | 1.13 | 1.11 | 1.10 | 0.08 |
| 622-3 | Hospitals & nursing & residential care facilities | 1.25 | 1.26 | 1.33 | 1.30 | 1.31 | 1.33 | 1.36 | 1.40 | 1.37 | 1.38 | 0.12 |
| 624 | Social assistance | 0.80 | 0.80 | 0.91 | 0.89 | 0.88 | 0.88 | 0.90 | 0.95 | 0.96 | 0.99 | 0.18 |
| 71 | Arts, entertainment & recreation | 0.82 | 0.75 | 0.80 | 0.76 | 0.76 | 0.73 | 0.73 | 0.74 | 0.74 | 0.73 | -0.09 |
| 711-2 | Performing arts, museums & related activities | 0.84 | 0.68 | 0.78 | 0.73 | 0.72 | 0.68 | 0.69 | 0.71 | 0.73 | 0.72 | -0.12 |
| 713 | Amusements, gambling & recreation | 0.81 | 0.82 | 0.82 | 0.80 | 0.80 | 0.79 | 0.78 | 0.77 | 0.75 | 0.75 | -0.06 |
| 72 | Accommodation & food srvc. | 0.81 | 0.81 | 0.83 | 0.83 | 0.83 | 0.84 | 0.83 | 0.83 | 0.84 | 0.84 | 0.03 |
| 721 | Accommodation | 0.43 | 0.42 | 0.43 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.43 | 0.44 | 0.01 |
| 722 | Food services & drinking places | 0.98 | 0.99 | 1.01 | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.02 | 1.01 | 0.03 |
| 81 | Other srvc., except government | 0.97 | 0.97 | 1.02 | 1.01 | 1.00 | 1.01 | 0.99 | 0.99 | 0.99 | 0.98 | 0.00 |
| 92 | Government | 0.88 | 0.89 | 0.92 | 0.91 | 0.91 | 0.90 | 0.91 | 0.92 | 0.91 | 0.91 | 0.03 |
| 92a & b | Federal government | 0.62 | 0.64 | 0.65 | 0.64 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 | 0.65 | 0.03 |
| 92a | Civilian ³ | 0.75 | 0.78 | 0.79 | 0.77 | 0.77 | 0.77 | 0.77 | 0.79 | 0.80 | 0.80 | 0.04 |
| 92b | Military | 0.34 | 0.35 | 0.36 | 0.38 | 0.42 | 0.42 | 0.43 | 0.41 | 0.40 | 0.40 | 0.06 |
| 92c | State & local | 0.98 | 0.99 | 1.02 | 1.01 | 1.01 | 1.01 | 1.01 | 1.02 | 1.01 | 1.01 | 0.02 |

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; srvc. - services.

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A12: Ohio's Gross Domestic Product by Industry - Sorted by 2008 Concentration Ratio

| 1997 NAICS Codes | Industry Titles | Concentration Ratio 2008* | GDP 2008^ | Percent Change 1999-2008* | 1997 NAICS Codes | Industry Titles | Concentration Ratio 2008* | GDP 2008^ | Percent Change 1999-2008* |
|------------------|--|---------------------------|-----------|---------------------------|------------------|--|---------------------------|-----------|---------------------------|
| 11-92 | All Industries | 1.00 | \$477,245 | 5.6% | 81 | Other srvcs., except government | 0.98 | \$11,998 | -17.4% |
| | | | | | 5415 | Computer systems design & related srvcs. | 0.94 | \$5,325 | 85.4% |
| 3361-3 | Motor vehicles, bodies, trailers & parts mfg. | 3.56 | \$10,622 | 5.6% | 92 | Government sector summary | 0.91 | \$53,468 | -1.2% |
| 331 | Primary metals mfg. | 3.26 | \$6,396 | -52.5% | 511 | Publishing including software | 0.88 | \$4,302 | 15.6% |
| 332 | Fabricated metal products mfg. | 2.69 | \$12,224 | 5.6% | 61 | Educational srvcs. | 0.87 | \$4,270 | 6.0% |
| 336 | Transportation equipment mfg. | 2.54 | \$14,622 | 4.1% | 532-3 | Rental & leasing srvcs., leasing intangible assets | 0.86 | \$5,658 | 2.4% |
| 335 | Electrical equipment & appliances mfg. | 2.36 | \$3,982 | -0.9% | 72 | Accommodation & food srvcs. | 0.84 | \$11,507 | 5.8% |
| 326 | Plastics & rubber products mfg. | 2.22 | \$4,964 | -26.4% | 53 | Real estate, rental & leasing | 0.82 | \$50,765 | 1.8% |
| 32p & 33 | Durable goods mfg. subtotal | 1.74 | \$53,944 | 18.7% | 481 | Air transportation | 0.82 | \$1,573 | 115.2% |
| 327 | Nonmetallic mineral products mfg. | 1.72 | \$2,338 | -38.8% | 531 | Real estate | 0.82 | \$45,107 | 1.7% |
| 493 | Warehousing & storage | 1.72 | \$2,338 | 94.1% | 92a | Federal government - civilian ^d | 0.80 | \$8,112 | -8.8% |
| 333 | Machinery mfg. | 1.65 | \$6,872 | -3.9% | 339 | Miscellaneous mfg. | 0.79 | \$2,105 | 7.3% |
| 55 | Management of companies & enterprises | 1.65 | \$14,421 | 26.9% | 54 | Professional & technical srvcs. | 0.79 | \$28,251 | 19.2% |
| 484 | Truck transportation | 1.48 | \$6,214 | 25.1% | 5412-4, 6-9 | Other professional, scientific & technical srvcs. | 0.78 | \$18,132 | 19.9% |
| 31-33 | Manufacturing subtotal | 1.44 | \$82,065 | -4.5% | 23 | Construction | 0.77 | \$16,434 | -40.3% |
| 323 | Printing & related support activities | 1.38 | \$1,723 | -5.1% | 713 | Amusements, gambling & recreation | 0.75 | \$1,588 | -12.5% |
| 622-3 | Hospitals & nursing & residential care facilities | 1.38 | \$19,329 | 13.1% | 71 | Arts, entertainment & recreation | 0.73 | \$3,399 | -12.0% |
| 3364-9 | Other transportation equipment mfg. | 1.27 | \$4,000 | -0.9% | 711-2 | Performing arts, museums & related activities | 0.72 | \$1,811 | -10.8% |
| 521-2 | Federal Reserve, credit intermediation, & related srvcs. | 1.25 | \$20,413 | 32.0% | 5411 | Legal srvcs. | 0.68 | \$4,794 | -17.7% |
| 524 | Insurance carriers & related activities | 1.25 | \$19,451 | 44.6% | 513 | Broadcasting & telecommunications | 0.66 | \$7,594 | 58.0% |
| 337 | Furniture & related products mfg. | 1.23 | \$1,248 | -24.7% | 92a & b | Federal government subtotal | 0.65 | \$10,475 | -4.4% |
| 311-2 | Food products mfg. | 1.21 | \$7,684 | 0.9% | 111-2 | Crop & animal production (farms) | 0.65 | \$2,892 | 59.8% |
| 62 | Health care & social assistance | 1.21 | \$40,092 | 24.3% | 51 | Information | 0.63 | \$13,240 | 37.7% |
| 325 | Chemical mfg. | 1.19 | \$8,475 | -4.9% | 313-4 | Textile & textile product mills mfg. | 0.61 | \$347 | -27.5% |
| 322 | Paper mfg. | 1.18 | \$2,361 | -24.5% | 11 | Agriculture, forestry, fishing & hunting | 0.59 | \$3,205 | 59.4% |
| 48-49p | Transportation & warehousing ² | 1.15 | \$15,566 | 36.4% | 212 | Mining, except oil & gas | 0.58 | \$940 | -54.8% |
| 31 & 32p | Nondurable goods mfg. subtotal ¹ | 1.12 | \$28,122 | -15.3% | 315 | Apparel mfg. | 0.50 | \$237 | 103.3% |
| 487-8, 492 | Other transportation & support activities | 1.11 | \$3,658 | 16.7% | 334 | Computer & electronic products mfg. | 0.49 | \$3,238 | 383.0% |
| 621 | Ambulatory health care srvcs. | 1.10 | \$17,912 | 33.4% | 324 | Petroleum & coal products mfg. | 0.47 | \$2,332 | 9.0% |
| 22 | Utilities | 1.08 | \$9,213 | -13.7% | 485 | Transit & ground passenger transportation | 0.46 | \$360 | 5.3% |
| 482 | Rail transportation | 1.07 | \$1,148 | -15.3% | 721 | Accommodation | 0.44 | \$1,770 | 0.8% |
| 42 | Wholesale trade | 1.06 | \$29,245 | 24.4% | 514 | Information & data processing srvcs. | 0.43 | \$1,034 | 59.6% |
| 44-45 | Retail trade | 1.06 | \$30,825 | -2.4% | 92b | Federal government - military | 0.40 | \$2,363 | 16.0% |
| 52 | Finance & insurance | 1.06 | \$42,500 | 43.1% | 486 | Pipeline transportation | 0.33 | \$153 | 67.5% |
| 562 | Waste management & remediation srvcs. | 1.06 | \$1,445 | 2.1% | 523 | Securities, commodity contracts, investments | 0.32 | \$2,127 | 25.1% |
| 56 | Administrative & waste srvcs. | 1.04 | \$14,523 | 20.5% | 113-5 | Forestry, fishing & related activities | 0.30 | \$314 | 25.7% |
| 561 | Administrative & support srvcs. | 1.04 | \$13,078 | 22.8% | 525 | Funds, trusts & other financial vehicles | 0.28 | \$508 | 40.7% |
| 321 | Wood products mfg. | 1.02 | \$918 | 8.7% | 213 | Support activities for mining | 0.28 | \$515 | 168.6% |
| 11-81 | Private sector summary | 1.01 | \$423,777 | 6.5% | 483 | Water transportation | 0.26 | \$121 | 0.0% |
| 722 | Food services & drinking places | 1.01 | \$9,737 | 5.8% | 21 | Mining | 0.22 | \$2,258 | -61.6% |
| 92c | State & local government | 1.01 | \$42,993 | -0.5% | 512 | Motion picture & sound recording industries | 0.15 | \$310 | -31.0% |
| 624 | Social assistance | 0.99 | \$2,851 | 38.9% | 211 | Oil & gas extraction | 0.12 | \$804 | -63.5% |

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

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

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A13: Ohio's Gross Domestic Product by Industry - Sorted by Percentage Change, 1999-2008

| 1997 NAICS Codes | Industry Titles | Percent Change 1999-2008* | GDP 2008^ | Concentration Ratio 2008* | 1997 NAICS Codes | Industry Titles | Percent Change 1999-2008* | GDP 2008^ | Concentration Ratio 2008* |
|------------------|---|---------------------------|-----------|---------------------------|------------------|---|---------------------------|-----------|---------------------------|
| 11-92 | All Industries | 5.6% | \$477,245 | 1.00 | 72 | Accommodation & food svcs. | 5.8% | \$11,507 | 0.84 |
| 334 | Computer & electronic products mfg. | 383.0% | \$3,238 | 0.49 | 332 | Fabricated metal products mfg. | 5.6% | \$12,224 | 2.69 |
| 213 | Support activities for mining | 168.6% | \$515 | 0.28 | 3361-3 | Motor vehicles, bodies, trailers & parts mfg. | 5.6% | \$10,622 | 3.56 |
| 481 | Air transportation | 115.2% | \$1,573 | 0.82 | 485 | Transit & ground passenger transportation | 5.3% | \$360 | 0.46 |
| 315 | Apparel mfg. | 103.3% | \$237 | 0.50 | 336 | Transportation equipment mfg. | 4.1% | \$14,622 | 2.54 |
| 493 | Warehousing & storage | 94.1% | \$2,338 | 1.72 | 532-3 | Rental & leasing svcs., leasing intangible assets | 2.4% | \$5,658 | 0.86 |
| 5415 | Computer systems design & related svcs. | 85.4% | \$5,325 | 0.94 | 562 | Waste management & remediation svcs. | 2.1% | \$1,445 | 1.06 |
| 486 | Pipeline transportation | 67.5% | \$153 | 0.33 | 53 | Real estate, rental & leasing | 1.8% | \$50,765 | 0.82 |
| 111-2 | Crop & animal production (farms) | 59.8% | \$2,892 | 0.65 | 531 | Real estate | 1.7% | \$45,107 | 0.82 |
| 514 | Information & data processing svcs. | 59.6% | \$1,034 | 0.43 | 311-2 | Food products mfg. | 0.9% | \$7,684 | 1.21 |
| 11 | Agriculture, forestry, fishing & hunting | 59.4% | \$3,205 | 0.59 | 721 | Accommodation | 0.8% | \$1,770 | 0.44 |
| 513 | Broadcasting & telecommunications | 58.0% | \$7,594 | 0.66 | 483 | Water transportation | 0.0% | \$121 | 0.26 |
| 524 | Insurance carriers & related activities | 44.6% | \$19,451 | 1.25 | 92c | State & local government | -0.5% | \$42,993 | 1.01 |
| 52 | Finance & insurance | 43.1% | \$42,500 | 1.06 | 3364-9 | Other transportation equipment mfg. | -0.9% | \$4,000 | 1.27 |
| 525 | Funds, trusts & other financial vehicles | 40.7% | \$508 | 0.28 | 335 | Electrical equipment & appliances mfg. | -0.9% | \$3,982 | 2.36 |
| 624 | Social assistance | 38.9% | \$2,851 | 0.99 | 92 | Government sector summary | -1.2% | \$53,468 | 0.91 |
| 51 | Information | 37.7% | \$13,240 | 0.63 | 44-45 | Retail trade | -2.4% | \$30,825 | 1.06 |
| 48-49p | Transportation & warehousing ² | 36.4% | \$15,566 | 1.15 | 333 | Machinery mfg. | -3.9% | \$6,872 | 1.65 |
| 621 | Ambulatory health care svcs. | 33.4% | \$17,912 | 1.10 | 92a & b | Federal government subtotal | -4.4% | \$10,475 | 0.65 |
| 521-2 | Federal Reserve, credit intermediation, & related svcs. | 32.0% | \$20,413 | 1.25 | 31-33 | Manufacturing subtotal | -4.5% | \$82,065 | 1.44 |
| 55 | Management of companies & enterprises | 26.9% | \$14,421 | 1.65 | 325 | Chemical mfg. | -4.9% | \$8,475 | 1.19 |
| 113-5 | Forestry, fishing & related activities | 25.7% | \$314 | 0.30 | 323 | Printing & related support activities | -5.1% | \$1,723 | 1.38 |
| 484 | Truck transportation | 25.1% | \$6,214 | 1.48 | 92a | Federal government - civilian ³ | -8.8% | \$8,112 | 0.80 |
| 523 | Securities, commodity contracts, investments | 25.1% | \$2,127 | 0.32 | 711-2 | Performing arts, museums & related activities | -10.8% | \$1,811 | 0.72 |
| 42 | Wholesale trade | 24.4% | \$29,245 | 1.06 | 71 | Arts, entertainment & recreation | -12.0% | \$3,399 | 0.73 |
| 62 | Health care & social assistance | 24.3% | \$40,092 | 1.21 | 713 | Amusements, gambling & recreation | -12.5% | \$1,588 | 0.75 |
| 561 | Administrative & support svcs. | 22.8% | \$13,078 | 1.04 | 22 | Utilities | -13.7% | \$9,213 | 1.08 |
| 56 | Administrative & waste svcs. | 20.5% | \$14,523 | 1.04 | 31 & 32p | Nondurable goods mfg. subtotal ¹ | -15.3% | \$28,122 | 1.12 |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | 19.9% | \$18,132 | 0.78 | 482 | Rail transportation | -15.3% | \$1,148 | 1.07 |
| 54 | Professional & technical svcs. | 19.2% | \$28,251 | 0.79 | 81 | Other svcs., except government | -17.4% | \$11,998 | 0.98 |
| 32p & 33 | Durable goods mfg. subtotal | 18.7% | \$53,944 | 1.74 | 5411 | Legal svcs. | -17.7% | \$4,794 | 0.68 |
| 487-8, 492 | Other transportation & support activities | 16.7% | \$3,658 | 1.11 | 322 | Paper mfg. | -24.5% | \$2,361 | 1.18 |
| 92b | Federal government - military | 16.0% | \$2,363 | 0.40 | 337 | Furniture & related products mfg. | -24.7% | \$1,248 | 1.23 |
| 511 | Publishing including software | 15.6% | \$4,302 | 0.88 | 326 | Plastics & rubber products mfg. | -26.4% | \$4,964 | 2.22 |
| 622-3 | Hospitals & nursing & residential care facilities | 13.1% | \$19,329 | 1.38 | 313-4 | Textile & textile product mills mfg. | -27.5% | \$347 | 0.61 |
| 324 | Petroleum & coal products mfg. | 9.0% | \$2,332 | 0.47 | 512 | Motion picture & sound recording industries | -31.0% | \$310 | 0.15 |
| 321 | Wood products mfg. | 8.7% | \$918 | 1.02 | 327 | Nonmetallic mineral products mfg. | -38.8% | \$2,338 | 1.72 |
| 339 | Miscellaneous mfg. | 7.3% | \$2,105 | 0.79 | 23 | Construction | -40.3% | \$16,434 | 0.77 |
| 11-81 | Private sector summary | 6.5% | \$423,777 | 1.01 | 331 | Primary metals mfg. | -52.5% | \$6,396 | 3.26 |
| 61 | Educational svcs. | 6.0% | \$4,270 | 0.87 | 212 | Mining, except oil & gas | -54.8% | \$940 | 0.58 |
| 722 | Food services & drinking places | 5.8% | \$9,737 | 1.01 | 21 | Mining | -61.6% | \$2,258 | 0.22 |
| | | | | | 211 | Oil & gas extraction | -63.5% | \$804 | 0.12 |

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

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

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

Table A14: Ohio's Gross Domestic Product by Industry - Sorted by Size in 2008

| 1997 NAICS Codes | Industry Titles | GDP 2008* | Percent Change 1999-2008* | Concentra- tion Ratio 2008* | 1997 NAICS Codes | Industry Titles | GDP 2008* | Percent Change 1999-2008* | Concentra- tion Ratio 2008* |
|------------------|---|------------------|---------------------------------|-----------------------------------|------------------|---|----------------|---------------------------------|-----------------------------------|
| 11-92 | All Industries | \$477,245 | 5.6% | 1.00 | 5415 | Computer systems design & related svcs. | \$5,325 | 85.4% | 0.94 |
| | | | | | 326 | Plastics & rubber products mfg. | \$4,964 | -26.4% | 2.22 |
| 11-81 | Private sector summary | \$423,777 | 6.5% | 1.01 | 5411 | Legal svcs. | \$4,794 | -17.7% | 0.68 |
| 31-33 | Manufacturing subtotal | \$82,065 | -4.5% | 1.44 | 511 | Publishing including software | \$4,302 | 15.6% | 0.88 |
| 32p & 33 | Durable goods mfg. subtotal | \$53,944 | 18.7% | 1.74 | 61 | Educational svcs. | \$4,270 | 6.0% | 0.87 |
| 92 | Government sector summary | \$53,468 | -1.2% | 0.91 | 3364-9 | Other transportation equipment mfg. | \$4,000 | -0.9% | 1.27 |
| 53 | Real estate, rental & leasing | \$50,765 | 1.8% | 0.82 | 335 | Electrical equipment & appliances mfg. | \$3,982 | -0.9% | 2.36 |
| 531 | Real estate | \$45,107 | 1.7% | 0.82 | 487-8, 492 | Other transportation & support activities | \$3,658 | 16.7% | 1.11 |
| 92c | State & local government | \$42,993 | -0.5% | 1.01 | 71 | Arts, entertainment & recreation | \$3,399 | -12.0% | 0.73 |
| 52 | Finance & insurance | \$42,500 | 43.1% | 1.06 | 334 | Computer & electronic products mfg. | \$3,328 | 383.0% | 0.49 |
| 62 | Health care & social assistance | \$40,092 | 24.3% | 1.21 | 11 | Agriculture, forestry, fishing & hunting | \$3,205 | 59.4% | 0.59 |
| 44-45 | Retail trade | \$30,825 | -2.4% | 1.06 | 111-2 | Crop & animal production (farms) | \$2,892 | 59.8% | 0.65 |
| 42 | Wholesale trade | \$29,245 | 24.4% | 1.06 | 624 | Social assistance | \$2,851 | 38.9% | 0.99 |
| 54 | Professional & technical svcs. | \$28,251 | 19.2% | 0.79 | 92b | Federal government - military | \$2,363 | 16.0% | 0.40 |
| 31 & 32p | Nonurable goods mfg. subtotal ¹ | \$28,122 | -15.3% | 1.12 | 322 | Paper mfg. | \$2,361 | -24.5% | 1.18 |
| 521-2 | Federal Reserve, credit intermediation, & related svcs. | \$20,413 | 32.0% | 1.25 | 493 | Warehousing & storage | \$2,338 | 94.1% | 1.72 |
| 524 | Insurance carriers & related activities | \$19,451 | 44.6% | 1.25 | 327 | Nonmetallic mineral products mfg. | \$2,338 | -38.8% | 1.72 |
| 622-3 | Hospitals & nursing & residential care facilities | \$19,329 | 13.1% | 1.38 | 324 | Petroleum & coal products mfg. | \$2,332 | 9.0% | 0.47 |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$18,132 | 19.9% | 0.78 | 21 | Mining | \$2,258 | -61.6% | 0.22 |
| 621 | Ambulatory health care svcs. | \$17,912 | 33.4% | 1.10 | 523 | Securities, commodity contracts, investments | \$2,127 | 25.1% | 0.32 |
| 23 | Construction | \$16,434 | -40.3% | 0.77 | 339 | Miscellaneous mfg. | \$2,105 | 7.3% | 0.79 |
| 48-49p | Transportation & warehousing ² | \$15,566 | 36.4% | 1.15 | 711-2 | Performing arts, museums & related activities | \$1,811 | -10.8% | 0.72 |
| 336 | Transportation equipment mfg. | \$14,622 | 4.1% | 2.54 | 721 | Accommodation | \$1,770 | 0.8% | 0.44 |
| 56 | Administrative & waste svcs. | \$14,523 | 20.5% | 1.04 | 323 | Printing & related support activities | \$1,723 | -5.1% | 1.38 |
| 55 | Management of companies & enterprises | \$14,421 | 26.9% | 1.65 | 713 | Amusements, gambling & recreation | \$1,588 | -12.5% | 0.75 |
| 51 | Information | \$13,240 | 37.7% | 0.63 | 481 | Air transportation | \$1,573 | 115.2% | 0.82 |
| 561 | Administrative & support svcs. | \$13,078 | 22.8% | 1.04 | 562 | Waste management & remediation svcs. | \$1,445 | 2.1% | 1.06 |
| 332 | Fabricated metal products mfg. | \$12,224 | 5.6% | 2.69 | 337 | Furniture & related products mfg. | \$1,248 | -24.7% | 1.23 |
| 81 | Other svcs., except government | \$11,998 | -17.4% | 0.98 | 482 | Rail transportation | \$1,148 | -15.3% | 1.07 |
| 72 | Accommodation & food svcs. | \$11,507 | 5.8% | 0.84 | 514 | Information & data processing svcs. | \$1,034 | 59.6% | 0.43 |
| 3361-3 | Motor vehicles, bodies, trailers & parts mfg. | \$10,622 | 5.6% | 3.56 | 212 | Mining, except oil & gas | \$940 | -54.8% | 0.58 |
| 92a & b | Federal government subtotal | \$10,475 | -4.4% | 0.65 | 321 | Wood products mfg. | \$918 | 8.7% | 1.02 |
| 722 | Food services & drinking places | \$9,737 | 5.8% | 1.01 | 211 | Oil & gas extraction | \$804 | -63.5% | 0.12 |
| 22 | Utilities | \$9,213 | -13.7% | 1.08 | 213 | Support activities for mining | \$515 | 168.6% | 0.28 |
| 325 | Chemical mfg. | \$8,475 | -4.9% | 1.19 | 525 | Funds, trusts & other financial vehicles | \$508 | 40.7% | 0.28 |
| 92a | Federal government - civilian ³ | \$8,112 | -8.8% | 0.80 | 485 | Transit & ground passenger transportation | \$360 | 5.3% | 0.46 |
| 311-2 | Food products mfg. | \$7,684 | 0.9% | 1.21 | 313-4 | Textile & textile product mills mfg. | \$347 | -27.5% | 0.61 |
| 513 | Broadcasting & telecommunications | \$7,594 | 58.0% | 0.66 | 113-5 | Forestry, fishing & related activities | \$314 | 25.7% | 0.30 |
| 333 | Machinery mfg. | \$6,872 | -3.9% | 1.65 | 512 | Motion picture & sound recording industries | \$310 | -31.0% | 0.15 |
| 331 | Primary metals mfg. | \$6,396 | -52.5% | 3.26 | 315 | Apparel mfg. | \$237 | 103.3% | 0.50 |
| 484 | Truck transportation | \$6,214 | 25.1% | 1.48 | 486 | Pipeline transportation | \$153 | 67.5% | 0.33 |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$5,658 | 2.4% | 0.86 | 483 | Water transportation | \$121 | 0.0% | 0.26 |

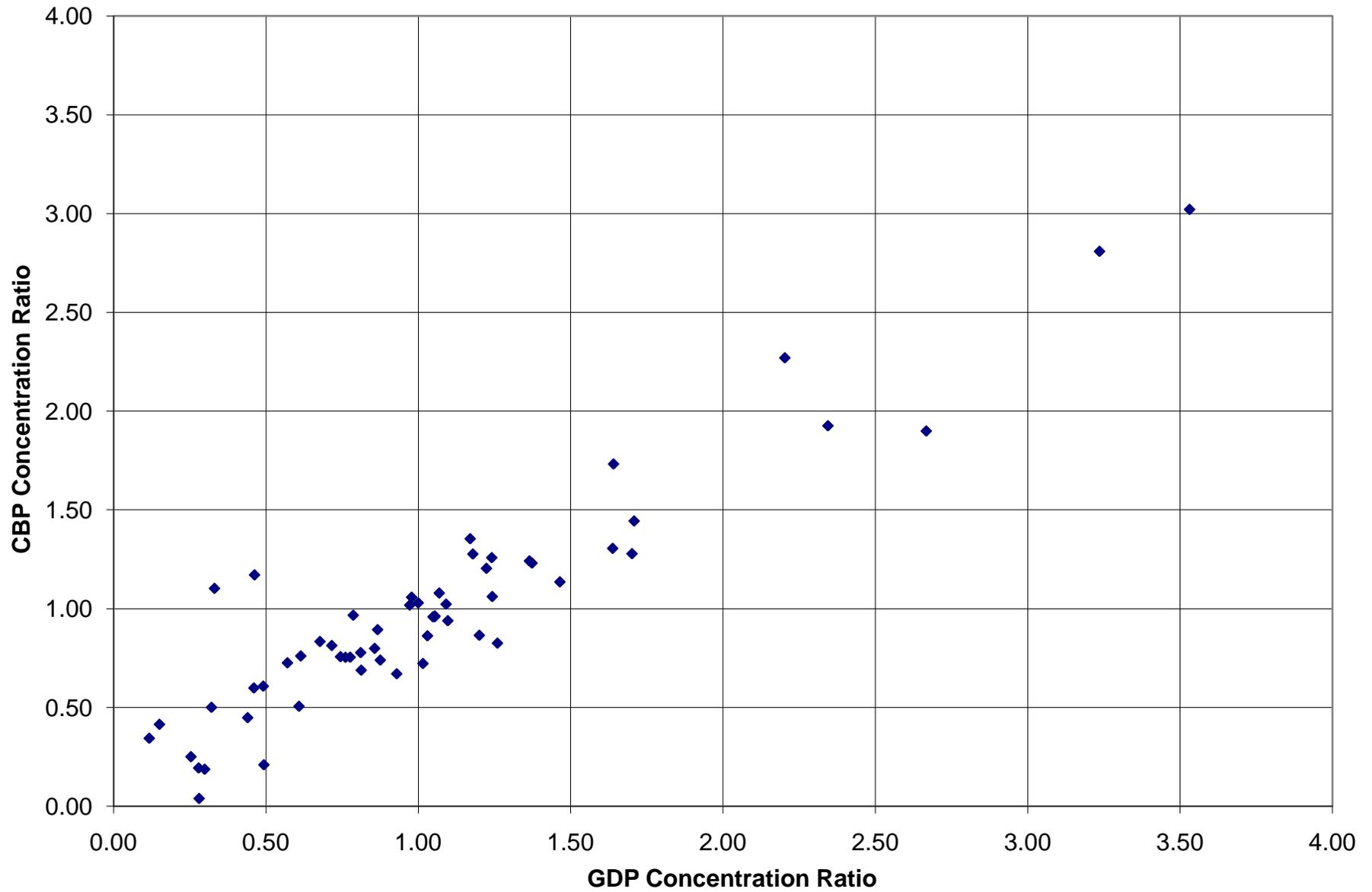
Notes: ^ - based on current dollars; * - based on chained dollars standardized on 2005; 1 - leather and allied products included but not separately shown; 2 - excludes Postal Service; 3 - includes Postal Service.

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

Source: U.S. Bureau Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 11/10).

The Association of GDP and CBP Concentration Ratios in Ohio, 2008



Sources: U.S. Census Bureau, BEA

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

| NAICS Codes | Industry Titles | GDP [^] , 2008 | | | CBP Employment, 2008 | | |
|-------------|---|-------------------------|--------------|------------------------------------|----------------------|-------------|------------------------------------|
| | | (current, in millions) | | Ohio::U.S. Concentration Ratio* | Ohio | U.S. | Ohio::U.S. Concentration Ratio* |
| | | Ohio | U.S. | | | | |
| 11-81 | Private industries* | \$419,737 | \$12,423,819 | 1.00 | 4,728,416 | 120,903,551 | 1.00 |
| 113-5 | Forestry, fishing & related activities | \$314 | \$31,115 | 0.30 | 1,219 | 167,039 | 0.19 |
| 211 | Oil & gas extraction | \$804 | \$203,751 | 0.12 | 1,439 | 107,100 | 0.34 |
| 212 | Mining, except oil & gas | \$940 | \$48,784 | 0.57 | 5,834 | 205,652 | 0.73 |
| 213 | Support activities for mining | \$515 | \$54,650 | 0.28 | 2,390 | 316,519 | 0.19 |
| 22 | Utilities | \$9,213 | \$255,205 | 1.07 | 26,974 | 639,403 | 1.08 |
| 23 | Construction | \$16,434 | \$639,322 | 0.76 | 207,520 | 7,043,631 | 0.75 |
| 321 | Wood products mfg. | \$918 | \$26,768 | 1.02 | 13,870 | 491,280 | 0.72 |
| 327 | Nonmetallic mineral products mfg. | \$2,338 | \$40,511 | 1.71 | 25,746 | 456,083 | 1.44 |
| 331 | Primary metals mfg. | \$6,396 | \$58,509 | 3.24 | 47,447 | 431,956 | 2.81 |
| 332 | Fabricated metal products mfg. | \$12,224 | \$135,665 | 2.67 | 117,942 | 1,588,102 | 1.90 |
| 333 | Machinery mfg. | \$6,872 | \$123,983 | 1.64 | 77,873 | 1,149,654 | 1.73 |
| 334 | Computer & electronic products mfg. | \$3,238 | \$195,218 | 0.49 | 24,091 | 1,014,545 | 0.61 |
| 335 | Electrical equipment & appliances mfg. | \$3,982 | \$50,275 | 2.34 | 30,415 | 403,900 | 1.93 |
| 3361-3 | Motor vehicles, bodies, trailers & parts mfg. | \$10,622 | \$89,034 | 3.53 | 103,886 | 879,398 | 3.02 |
| 3364-9 | Other transportation equipment mfg. | \$4,000 | \$93,992 | 1.26 | 20,891 | 647,481 | 0.83 |
| 337 | Furniture & related products mfg. | \$1,248 | \$30,195 | 1.22 | 23,025 | 489,201 | 1.20 |
| 339 | Miscellaneous mfg. | \$2,105 | \$79,240 | 0.79 | 24,559 | 649,743 | 0.97 |
| 311-2 | Food products mfg. | \$7,684 | \$189,523 | 1.20 | 54,950 | 1,624,464 | 0.86 |
| 313-4 | Textile & textile product mills mfg. | \$347 | \$16,882 | 0.61 | 5,829 | 294,950 | 0.51 |
| 315 | Apparel mfg. | \$237 | \$14,227 | 0.49 | 1,361 | 166,357 | 0.21 |
| 322 | Paper mfg. | \$2,361 | \$59,725 | 1.17 | 21,858 | 412,912 | 1.35 |
| 323 | Printing & related support activities mfg. | \$1,723 | \$37,141 | 1.37 | 30,145 | 626,567 | 1.23 |
| 324 | Petroleum & coal products mfg. | \$2,332 | \$149,247 | 0.46 | 4,756 | 103,912 | 1.17 |
| 325 | Chemical mfg. | \$8,475 | \$212,805 | 1.18 | 40,465 | 810,788 | 1.28 |
| 326 | Plastics & rubber products mfg. | \$4,964 | \$66,699 | 2.20 | 72,964 | 822,126 | 2.27 |
| 42 | Wholesale trade | \$29,245 | \$821,029 | 1.05 | 232,035 | 6,165,204 | 0.96 |
| 44-45 | Retail trade | \$30,825 | \$865,962 | 1.05 | 585,496 | 15,614,757 | 0.96 |
| 481 | Air transportation | \$1,573 | \$57,309 | 0.81 | 13,071 | 485,710 | 0.69 |
| 483 | Water transportation | \$121 | \$14,118 | 0.25 | 675 ~ | 69,028 | 0.25 |
| 484 | Truck transportation | \$6,214 | \$125,592 | 1.46 | 63,344 | 1,426,866 | 1.14 |
| 485 | Transit & ground passenger transportation | \$360 | \$23,153 | 0.46 | 10,510 | 449,381 | 0.60 |
| 486 | Pipeline transportation | \$153 | \$13,685 | 0.33 | 1,732 ~ | 40,176 | 1.10 |
| 487-8, 492 | Other transportation & support activities | \$3,658 | \$98,728 | 1.10 | 46,434 | 1,264,962 | 0.94 |
| 493 | Warehousing & storage | \$2,338 | \$40,678 | 1.70 | 35,127 | 702,780 | 1.28 |
| 511 | Publishing including software | \$4,302 | \$145,510 | 0.88 | 30,621 | 1,059,123 | 0.74 |
| 512 | Motion picture & sound recording industries | \$310 | \$61,099 | 0.15 | 5,690 | 351,533 | 0.41 |

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

| NAICS Codes | Industry Titles | GDP [^] , 2008 | | | CBP Employment, 2008 | | |
|-------------|---|-------------------------|-------------|------------------------------------|------------------------------------|-----------|------|
| | | (current, in millions) | | Ohio::U.S. Concentration Ratio* | Ohio::U.S. Concentration Ratio* | | |
| | | Ohio | U.S. | | Ohio | U.S. | |
| 515-9 | Broadcasting, Internet, data processing & related svcs. | \$8,628 | \$415,892 | 0.61 | 60,136 | 2,023,578 | 0.76 |
| 521-2 | Federal Reserve, credit intermediation, & related svcs. | \$20,413 | \$486,280 | 1.24 | 128,467 ~ | 3,096,094 | 1.06 |
| 523 | Securities, commodity contracts, investments | \$2,127 | \$196,069 | 0.32 | 19,042 | 973,920 | 0.50 |
| 524 | Insurance carriers & related activities | \$19,451 | \$463,986 | 1.24 | 119,598 | 2,431,680 | 1.26 |
| 525 | Funds, trusts & other financial vehicles | \$508 | \$53,628 | 0.28 | 15 ~ | 9,922 | 0.04 |
| 531 | Real estate | \$45,107 | \$1,646,990 | 0.81 | 46,444 | 1,528,250 | 0.78 |
| 532-3 | Rental & leasing svcs., leasing intangible assets | \$5,658 | \$195,507 | 0.86 | 20,860 | 668,064 | 0.80 |
| 5411 | Legal svcs. | \$4,794 | \$209,579 | 0.68 | 39,057 | 1,198,520 | 0.83 |
| 5415 | Computer systems design & related svcs. | \$5,325 | \$169,652 | 0.93 | 34,702 | 1,324,734 | 0.67 |
| 5412-4, 6-9 | Other professional, scientific & technical svcs. | \$18,132 | \$691,344 | 0.78 | 162,418 | 5,509,593 | 0.75 |
| 55 | Management of companies & enterprises | \$14,421 | \$260,634 | 1.64 | 147,337 | 2,887,407 | 1.30 |
| 561 | Administrative & support svcs. | \$13,078 | \$375,881 | 1.03 | 332,320 | 9,857,294 | 0.86 |
| 562 | Waste management & remediation svcs. | \$1,445 | \$40,803 | 1.05 | 13,764 | 367,263 | 0.96 |
| 61 | Educational svcs. | \$4,270 | \$145,887 | 0.87 | 109,742 | 3,141,297 | 0.89 |
| 621 | Ambulatory health care svcs. | \$17,912 | \$485,922 | 1.09 | 235,400 | 5,886,549 | 1.02 |
| 622-3 | Hospitals & nursing & residential care facilities | \$19,329 | \$419,246 | 1.36 | 422,993 | 8,714,365 | 1.24 |
| 624 | Social assistance | \$2,851 | \$86,286 | 0.98 | 108,215 | 2,616,342 | 1.06 |
| 711-2 | Performing arts, museums & related activities | \$1,811 | \$74,886 | 0.72 | 18,622 | 585,690 | 0.81 |
| 713 | Amusements, gambling & recreation | \$1,588 | \$63,145 | 0.74 | 43,889 | 1,483,656 | 0.76 |
| 721 | Accommodation | \$1,770 | \$119,082 | 0.44 | 34,599 | 1,976,226 | 0.45 |
| 722 | Food svcs. & drinking places | \$9,737 | \$288,339 | 1.00 | 400,468 | 9,950,103 | 1.03 |
| 81 | Other svcs., except government | \$11,998 | \$365,477 | 0.97 | 216,973 | 5,452,603 | 1.02 |

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

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

Sources: U.S. Bureau of the Census (2010), U.S. Bureau of Economic Analysis (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/10).

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|-----------|-------------|--|
| ----- | Total | 4,728,416 | 120,903,551 | 1.00 |
| 1131 | Timber tract operations | 10 * | 2,620 | 0.09 * |
| 1132 | Forest nurseries & gathering forest products | 18 | 2,198 | 0.21 |
| 1133 | Logging | 328 | 56,493 | 0.15 |
| 1141 | Fishing | 5 | 5,600 | 0.02 |
| 1142 | Hunting & trapping | 10 * | 1,881 | 0.13 * |
| 1151 | Crop production support activities | 437 * | 66,105 | 0.17 * |
| 1152 | Animal production support activities | 389 | 20,468 | 0.49 |
| 1153 | Forestry support activities | 15 | 11,674 | 0.03 |
| 2111 | Oil & gas extraction | 1,439 | 107,100 | 0.34 |
| 2121 | Coal mining | 2,844 | 81,938 | 0.89 |
| 2122 | Metal ore mining | 7 * | 33,344 | 0.01 * |
| 2123 | Nonmetallic mineral mining & quarrying | 2,984 | 90,370 | 0.84 |
| 2131 | Mining support activities | 2,390 | 316,519 | 0.19 |
| 2211 | Electric power generation, transmission & distribution | 22,607 | 510,735 | 1.13 |
| 2212 | Natural gas distribution | 3,285 * | 85,542 | 0.98 * |
| 2213 | Water, sewage & other systems | 1,082 | 43,126 | 0.64 |
| 2361 | Residential building construction | 20,747 | 810,536 | 0.65 |
| 2362 | Nonresidential building construction | 26,263 | 743,023 | 0.90 |
| 2371 | Utility system construction | 13,586 | 548,381 | 0.63 |
| 2372 | Land subdivision | 1,272 | 66,683 | 0.49 |
| 2373 | Highway, street & bridge construction | 8,104 | 311,967 | 0.66 |
| 2379 | Other heavy & civil engineering | 1,204 | 67,835 | 0.45 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|--------|-----------|--|
| 2381 | Foundation, structure, & building exterior contractors | 30,846 | 1,024,124 | 0.77 |
| 2382 | Building equipment contractors | 70,397 | 2,016,784 | 0.89 |
| 2383 | Building finishing contractors | 22,215 | 878,093 | 0.65 |
| 2389 | Other specialty trade contractors | 12,886 | 576,205 | 0.57 |
| 31-33 | Manufacturing | | | |
| 32p & 33 | Durable goods | | | |
| 3211 | Sawmills & wood preservation | 2,363 | 103,455 | 0.58 |
| 3212 | Veneer, plywood & engineered wood product mfg. | 1,714 | 95,159 | 0.46 |
| 3219 | Other wood product mfg. | 9,793 | 292,666 | 0.86 |
| 3271 | Clay product & refractory mfg. | 5,078 | 45,560 | 2.85 |
| 3272 | Glass & glass product mfg. | 7,723 | 100,034 | 1.97 |
| 3273 | Cement & concrete product mfg. | 6,626 | 213,154 | 0.79 |
| 3274 | Lime & gypsum product mfg. | 793 * | 16,199 | 1.25 * |
| 3279 | Other nonmetallic mineral product mfg. | 5,526 | 81,136 | 1.74 |
| 3311 | Iron & steel mills & ferroalloy mfg. | 17,347 | 109,584 | 4.05 |
| 3312 | Steel product mfg. from purchased steel | 4,364 | 43,378 | 2.57 |
| 3313 | Alumina & aluminum production & processing | 3,995 | 61,633 | 1.66 |
| 3314 | Nonferrous (exc. aluminum) production & processing | 4,485 | 65,343 | 1.76 |
| 3315 | Foundries | 17,256 | 152,018 | 2.90 |
| 3321 | Forging & stamping | 15,606 | 127,251 | 3.14 |
| 3322 | Cutlery & handtool mfg. | 4,616 | 51,193 | 2.31 |
| 3323 | Architectural & structural metals mfg. | 17,955 | 404,579 | 1.13 |
| 3324 | Boiler, tank & shipping container mfg. | 6,324 | 91,448 | 1.77 |
| 3325 | Hardware mfg. | 2,438 | 38,997 | 1.60 |
| 3326 | Spring & wire product mfg. | 3,370 | 50,033 | 1.72 |
| 3327 | Machine shops, turn products, screw, nut & bolt mfg. | 32,746 | 401,147 | 2.09 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|---------|---------|--|
| 3328 | Coating, engrave, heat treating & other activity | 12,982 | 137,185 | 2.42 |
| 3329 | Other fabricated metal product mfg. | 21,905 | 286,269 | 1.96 |
| 3331 | Agricultural, construction & mining machinery mfg. | 5,725 | 209,364 | 0.70 |
| 3332 | Industrial machinery mfg. | 9,100 | 128,348 | 1.81 |
| 3333 | Commercial & service industry machinery mfg. | 4,278 | 88,808 | 1.23 |
| 3334 | HVAC & commercial refrigeration equipment mfg. | 7,234 | 149,126 | 1.24 |
| 3335 | Metalworking machinery mfg. | 20,613 | 165,650 | 3.18 |
| 3336 | Engine, turbine & power transmission equipment mfg. | 5,095 | 109,924 | 1.19 |
| 3339 | Other general purpose machinery mfg. | 25,828 | 298,434 | 2.21 |
| 3341 | Computer & peripheral equipment mfg. | 1,437 | 91,398 | 0.40 |
| 3342 | Communications equipment mfg. | 1,268 * | 120,499 | 0.27 * |
| 3343 | Audio & video equipment mfg. | 409 | 14,095 | 0.74 |
| 3344 | Semiconductor & other electronic component mfg. | 7,179 | 351,191 | 0.52 |
| 3345 | Navigation, measuring, medical, control instruments mfg. | 13,425 | 410,842 | 0.84 |
| 3346 | Mfg. & reproducing magnetic & optical media | 373 | 26,520 | 0.36 |
| 3351 | Electric lighting equipment mfg. | 3,921 | 55,297 | 1.81 |
| 3352 | Household appliance mfg. | 11,991 | 58,282 | 5.26 |
| 3353 | Electrical equipment mfg. | 7,451 | 136,747 | 1.39 |
| 3359 | Other electrical equipment & component mfg. | 7,052 | 153,574 | 1.17 |
| 3361 | Motor vehicle mfg. | 22,382 | 182,072 | 3.14 |
| 3362 | Motor vehicle body & trailer mfg. | 5,752 | 136,404 | 1.08 |
| 3363 | Motor vehicle parts mfg. | 75,752 | 560,922 | 3.45 |
| 3364 | Aerospace product & parts mfg. | 15,767 | 415,281 | 0.97 |
| 3365 | Railroad rolling stock mfg. | 563 | 31,179 | 0.46 |
| 3366 | Ship & boat building | 648 | 157,512 | 0.11 |
| 3369 | Other transportation equipment mfg. | 3,313 | 43,509 | 1.95 |
| 3371 | Household & institutional furniture & kitchen cabinet mfg. | 17,460 | 306,773 | 1.46 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|---|--------|---------|--|
| 3372 | Office furniture (including fixtures) mfg. | 4,679 | 141,183 | 0.85 |
| 3379 | Other furniture related product mfg. | 886 | 41,245 | 0.55 |
| 3391 | Medical equipment & supplies mfg. | 10,337 | 309,940 | 0.85 |
| 3399 | Other miscellaneous mfg. | 14,222 | 339,803 | 1.07 |
| 31 & 32p | Nondurable goods | | | |
| 3111 | Animal food mfg. | 2,385 | 50,957 | 1.20 |
| 3112 | Grain & oilseed milling | 2,168 | 58,431 | 0.95 |
| 3113 | Sugar & confectionery product mfg. | 1,985 | 68,912 | 0.74 |
| 3114 | Fruit & veg preserving & specialty food mfg. | 10,732 | 165,116 | 1.66 |
| 3115 | Dairy product mfg. | 4,558 | 134,221 | 0.87 |
| 3116 | Animal slaughtering & processing | 8,882 | 501,386 | 0.45 |
| 3117 | Seafood product preparation & packaging | 9 * | 33,323 | 0.01 * |
| 3118 | Bakeries & tortilla mfg. | 12,978 | 286,970 | 1.16 |
| 3119 | Other food mfg. | 7,296 | 168,142 | 1.11 |
| 3121 | Beverage mfg. | 3,957 | 138,209 | 0.73 |
| 3122 | Tobacco mfg. | 0 | 18,797 | 0.00 |
| 3131 | Fiber, yarn & thread mills | 24 * | 39,824 | 0.02 * |
| 3132 | Fabric mills | 1,297 | 66,863 | 0.50 |
| 3133 | Textile, fabric finishing, fabric coating mills | 1,009 | 42,020 | 0.61 |
| 3141 | Textile furnishings mills | 1,415 | 70,966 | 0.51 |
| 3149 | Other textile product mills | 2,084 | 75,277 | 0.71 |
| 3151 | Apparel knitting mills | 5 * | 19,648 | 0.01 * |
| 3152 | Cut & sew apparel mfg. | 1,233 | 133,463 | 0.24 |
| 3159 | Apparel accessories & other apparel mfg. | 123 * | 13,246 | 0.24 * |
| 3161 | Leather & hide tanning & finishing | 56 * | 4,861 | 0.29 * |
| 3162 | Footwear mfg. | 10 * | 12,700 | 0.02 * |
| 3169 | Other leather & allied product mfg. | 1,249 | 15,179 | 2.10 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|--------|---------|--|
| 3221 | Pulp, paper & paperboard mills | 3,485 | 123,368 | 0.72 |
| 3222 | Converted paper product mfg. | 18,373 | 289,544 | 1.62 |
| 3231 | Printing & related support activities | 30,145 | 626,567 | 1.23 |
| 3241 | Petroleum & coal products | 4,756 | 103,912 | 1.17 |
| 3251 | Basic chemical mfg. | 8,189 | 164,925 | 1.27 |
| 3252 | Resin, synthetic rubber, artificial & synthetic fibers, filling mfg. | 5,986 | 99,413 | 1.54 |
| 3253 | Pesticide, fertilizer & other agricultural chemical mfg. | 1,092 | 29,857 | 0.94 |
| 3254 | Pharmaceutical & medicine mfg. | 4,020 | 253,332 | 0.41 |
| 3255 | Paint, coating & adhesive mfg. | 8,136 | 62,787 | 3.31 |
| 3256 | Soap, cleaners & toilet preparation mfg. | 6,739 | 105,395 | 1.63 |
| 3259 | Other chemical product & preparation mfg. | 6,303 | 95,079 | 1.70 |
| 3261 | Plastics product mfg. | 54,459 | 675,817 | 2.06 |
| 3262 | Rubber product mfg. | 18,505 | 146,309 | 3.23 |
| 4231 | Motor vehicles, parts & supply merchant whsle. | 19,377 | 394,728 | 1.26 |
| 4232 | Furniture & home furnishing merchant whsle. | 4,775 | 168,710 | 0.72 |
| 4233 | Lumber & other construction materials merchant whsle. | 7,894 | 255,652 | 0.79 |
| 4234 | Professional & commercial equip & supp merchant whsle. | 26,601 | 723,620 | 0.94 |
| 4235 | Metal & mineral (exc. petroleum) merchant whsle. | 10,551 | 168,663 | 1.60 |
| 4236 | Electrical & electronic goods merchant whsle. | 15,091 | 509,801 | 0.76 |
| 4237 | Hardware, plumb & heating equipment & supplies merchant whsle. | 11,087 | 244,212 | 1.16 |
| 4238 | Machinery, equipment & supplies merchant whsle. | 34,951 | 738,104 | 1.21 |
| 4239 | Miscellaneous durable goods merchant whsle. | 13,968 | 349,038 | 1.02 |
| 4241 | Paper & paper product merchant whsle. | 7,798 | 171,096 | 1.17 |
| 4242 | Drugs & druggists' sundries merchant whsle. | 7,068 | 273,745 | 0.66 |
| 4243 | Apparel, piece goods & notions merchant whsle. | 3,154 | 210,645 | 0.38 |
| 4244 | Grocery & related product merchant whsle. | 27,862 | 795,690 | 0.90 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|--------|-----------|--|
| 4245 | Farm product raw material merchant whsle. | 2,432 | 61,112 | 1.02 |
| 4246 | Chemical & allied products merchant whsle. | 6,879 | 150,473 | 1.17 |
| 4247 | Petroleum & petroleum products merchant whsle. | 2,901 | 104,970 | 0.71 |
| 4248 | Beer, wine, distilled alcoholic beverage merchant whsle. | 5,745 | 183,910 | 0.80 |
| 4249 | Miscellaneous nondurable goods merchant whsle. | 11,999 | 361,768 | 0.85 |
| 4251 | Wholesale electronic markets, agents & brokers | 11,902 | 299,267 | 1.02 |
| 4411 | Automobile dealers | 48,680 | 1,253,716 | 0.99 |
| 4412 | Other motor vehicle dealers | 5,222 | 164,873 | 0.81 |
| 4413 | Automotive parts, accessories & tire stores | 17,591 | 465,879 | 0.97 |
| 4421 | Furniture stores | 9,149 | 252,530 | 0.93 |
| 4422 | Home furnishings stores | 8,386 | 280,566 | 0.76 |
| 4431 | Electronics & appliance stores | 16,370 | 464,927 | 0.90 |
| 4441 | Building material & supplies dealers | 42,839 | 1,170,974 | 0.94 |
| 4442 | Lawn & garden equip & supplies stores | 6,317 | 163,567 | 0.99 |
| 4451 | Grocery stores | 89,368 | 2,570,754 | 0.89 |
| 4452 | Specialty food stores | 5,407 | 145,236 | 0.95 |
| 4453 | Beer, wine & liquor stores | 4,129 | 145,864 | 0.72 |
| 4461 | Health & personal care stores | 42,424 | 1,025,095 | 1.06 |
| 4471 | Gasoline stations | 35,766 | 896,590 | 1.02 |
| 4481 | Clothing stores | 38,125 | 1,287,189 | 0.76 |
| 4482 | Shoe stores | 6,254 | 208,175 | 0.77 |
| 4483 | Jewelry, luggage & leather goods stores | 5,479 | 152,786 | 0.92 |
| 4511 | Sporting goods, hobby, musical instrument stores | 15,178 | 431,849 | 0.90 |
| 4512 | Book, periodical & music stores | 5,516 | 186,160 | 0.76 |
| 4521 | Department stores | 49,220 | 1,292,007 | 0.97 |
| 4529 | Other general merchandise stores | 70,708 | 1,685,380 | 1.07 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|--------|---------|--|
| 4531 | Florists | 3,868 | 89,741 | 1.10 |
| 4532 | Office supplies, stationery & gift stores | 10,669 | 304,985 | 0.89 |
| 4533 | Used merchandise stores | 5,982 | 134,683 | 1.14 |
| 4539 | Other miscellaneous store retailers | 9,946 | 249,578 | 1.02 |
| 4541 | Electronic shopping & mail-order houses | 21,432 | 332,405 | 1.65 |
| 4542 | Vending machine operators | 5,417 | 47,194 | 2.93 |
| 4543 | Direct selling establishments | 6,054 | 212,054 | 0.73 |
| 4811 | Scheduled air transportation | 6,663 | 445,300 | 0.38 |
| 4812 | Nonscheduled air transportation | 6,408 | 40,410 | 4.05 |
| 4831 | Deep sea, coastal & Great Lakes water transportation | 665 * | 49,400 | 0.34 * |
| 4832 | Inland water transportation | 105 | 19,628 | 0.14 |
| 4841 | General freight trucking | 46,603 | 947,221 | 1.26 |
| 4842 | Specialized freight trucking | 16,741 | 479,645 | 0.89 |
| 4851 | Urban transit systems | 787 * | 47,785 | 0.42 * |
| 4852 | Interurban & rural bus transportation | 280 * | 15,016 | 0.48 * |
| 4853 | Taxi & limousine service | 1,216 | 71,025 | 0.44 |
| 4854 | School & employee bus transportation | 4,582 | 219,610 | 0.53 |
| 4855 | Charter bus industry | 1,029 | 30,693 | 0.86 |
| 4859 | Other transit & ground passenger transportation | 2,616 | 65,252 | 1.03 |
| 4861 | Pipeline transportation of crude oil | 333 * | 6,128 | 1.39 * |
| 4862 | Pipeline transportation of natural gas | 666 * | 24,009 | 0.71 * |
| 4869 | Other pipeline transportation | 277 | 10,039 | 0.71 |
| 4871 | Scenic & sightseeing transportation, land | 138 | 9,565 | 0.37 |
| 4872 | Scenic & sightseeing transportation, water | 80 | 11,388 | 0.18 |
| 4879 | Scenic & sightseeing transportation, other | 0 | 2,086 | 0.00 |
| 4881 | Air transportation support activities | 3,147 | 174,356 | 0.46 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|---|---------|-----------|--|
| 4882 | Rail transportation support activities | 1,283 | 25,802 | 1.27 |
| 4883 | Water transportation support activities | 945 | 93,712 | 0.26 |
| 4884 | Road transportation support activities | 2,553 | 78,043 | 0.84 |
| 4885 | Freight transportation arrangement | 8,878 | 246,104 | 0.92 |
| 4889 | Other transportation support activities | 1,035 | 27,637 | 0.96 |
| 4921 | Couriers | 27,335 | 559,131 | 1.25 |
| 4922 | Local messengers & local delivery | 1,400 | 37,138 | 0.96 |
| 4931 | Warehousing & storage | 35,127 | 702,780 | 1.28 |
| 5111 | Newspaper, periodical, book, database publishers | 25,127 | 672,717 | 0.96 |
| 5112 | Software publishers | 5,494 | 386,406 | 0.36 |
| 5121 | Motion picture & video industries | 5,425 | 327,270 | 0.42 |
| 5122 | Sound recording industries | 265 | 24,263 | 0.28 |
| 5151 | Radio & television broadcasting (exc. Internet) | 7,779 | 250,312 | 0.79 |
| 5152 | Cable & other subscription programming (exc. Internet) | 171 | 41,244 | 0.11 |
| 5171 | Wired telecommunications carriers | 26,534 | 844,008 | 0.80 |
| 5172 | Wireless telecommunications carriers (exc. satellite) | 6,831 | 286,323 | 0.61 |
| 5174 | Satellite communications | 769 | 9,920 | 1.98 |
| 5179 | Other telecommunications | 1,396 | 60,228 | 0.59 |
| 5182 | Data processing, hosting & related services | 10,566 | 391,955 | 0.69 |
| 5191 | Other information services | 6,090 | 139,588 | 1.12 |
| 5211 | Monetary authorities - central bank | 1,339 * | 19,031 | 1.80 * |
| 5221 | Depository credit intermediation | 91,547 | 2,134,648 | 1.10 |
| 5222 | Nondepository credit intermediation | 23,695 | 645,206 | 0.94 |
| 5223 | Activities related to credit intermediation | 11,886 | 297,209 | 1.02 |
| 5231 | Security & commodity contracts intermediation & brokerage | 11,470 | 533,718 | 0.55 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|---------|-----------|--|
| 5232 | Securities & commodity exchanges | 2 * | 7,958 | 0.01 * |
| 5239 | Other financial investment activities | 7,570 | 432,244 | 0.45 |
| 5241 | Insurance carriers | 85,500 | 1,518,138 | 1.44 |
| 5242 | Agencies & other insurance related activities | 34,098 | 913,542 | 0.95 |
| 5259 | Other investment pools & funds | 15 * | 9,922 | 0.04 * |
| 5311 | Lessors of real estate | 19,061 | 539,871 | 0.90 |
| 5312 | Offices of real estate agents & brokers | 7,246 | 342,332 | 0.54 |
| 5313 | Activities related to real estate | 20,137 | 646,047 | 0.80 |
| 5321 | Automotive equipment rental & leasing | 6,128 | 191,230 | 0.82 |
| 5322 | Consumer goods rental | 8,928 | 236,626 | 0.96 |
| 5323 | General rental centers | 1,331 | 43,455 | 0.78 |
| 5324 | Commercial, industrial equipment rental & leasing | 3,628 | 164,747 | 0.56 |
| 5331 | Lessors of other nonfinancial intangible asset | 845 | 32,006 | 0.68 |
| 5411 | Legal services | 39,057 | 1,198,520 | 0.83 |
| 5412 | Accounting, tax preparation, bookkeeping, payroll services | 38,244 | 1,318,523 | 0.74 |
| 5413 | Architectural, engineering & related services | 45,157 | 1,457,812 | 0.79 |
| 5414 | Specialized design services | 4,702 | 130,370 | 0.92 |
| 5415 | Computer systems design & related services | 34,702 | 1,324,734 | 0.67 |
| 5416 | Management, scientific & technical consulting services | 22,640 | 869,632 | 0.67 |
| 5417 | Scientific research & development services | 17,378 | 633,928 | 0.70 |
| 5418 | Advertising & related services | 11,573 | 479,461 | 0.62 |
| 5419 | Other professional, scientific, technical service | 22,724 | 619,867 | 0.94 |
| 5511 | Management of companies & enterprises | 147,337 | 2,887,407 | 1.30 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|---|---------|-----------|--|
| 5611 | Office administrative services | 14,187 | 448,438 | 0.81 |
| 5612 | Facilities support services | 4,963 | 250,865 | 0.51 |
| 5613 | Employment services | 172,145 | 5,230,878 | 0.84 |
| 5614 | Business support services | 35,687 | 828,173 | 1.10 |
| 5615 | Travel arrangement & reservation services | 5,066 | 259,310 | 0.50 |
| 5616 | Investigation & security services | 23,002 | 831,834 | 0.71 |
| 5617 | Services to buildings & dwellings | 63,510 | 1,701,955 | 0.95 |
| 5619 | Other support services | 13,760 | 305,841 | 1.15 |
| 5621 | Waste collection | 7,477 | 195,111 | 0.98 |
| 5622 | Waste treatment & disposal | 2,331 | 50,315 | 1.18 |
| 5629 | Remediation & other waste management services | 3,956 | 121,837 | 0.83 |
| 6111 | Elementary & secondary schools | 31,641 | 842,574 | 0.96 |
| 6112 | Junior colleges | 3,201 | 82,835 | 0.99 |
| 6113 | Colleges, universities & professional schools | 57,368 | 1,622,296 | 0.90 |
| 6114 | Business schools & computer & management training | 2,218 | 69,135 | 0.82 |
| 6115 | Technical & trade schools | 3,902 | 124,798 | 0.80 |
| 6116 | Other schools & instruction | 8,327 | 318,601 | 0.67 |
| 6117 | Educational support services | 3,085 | 81,058 | 0.97 |
| 6211 | Offices of physicians | 84,306 | 2,173,263 | 0.99 |
| 6212 | Offices of dentists | 31,046 | 835,884 | 0.95 |
| 6213 | Offices of other health practitioners | 26,009 | 637,586 | 1.04 |
| 6214 | Outpatient care centers | 25,657 | 682,717 | 0.96 |
| 6215 | Medical & diagnostic laboratories | 9,781 | 242,315 | 1.03 |
| 6216 | Home health care services | 46,106 | 1,035,119 | 1.14 |
| 6219 | Other ambulatory health care services | 12,495 | 279,665 | 1.14 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|---|---------|-----------|--|
| 6221 | General medical & surgical hospitals | 248,626 | 5,133,837 | 1.24 |
| 6222 | Psychiatric & substance abuse hospitals | 5,634 | 213,531 | 0.67 |
| 6223 | Other specialty hospitals | 6,742 | 237,791 | 0.72 |
| 6231 | Nursing care facilities | 88,107 | 1,587,187 | 1.42 |
| 6232 | Residential mental retardation, health facilities | 26,052 | 611,594 | 1.09 |
| 6233 | Community care facilities for the elderly | 43,851 | 778,707 | 1.44 |
| 6239 | Other residential care facilities | 3,981 | 151,718 | 0.67 |
| 6241 | Individual & family services | 46,310 | 1,235,841 | 0.96 |
| 6242 | Community, emergency & other relief services | 5,765 | 170,829 | 0.86 |
| 6243 | Vocational rehabilitation services | 23,832 | 325,437 | 1.87 |
| 6244 | Child day care services | 32,308 | 884,235 | 0.93 |
| 7111 | Performing arts companies | 3,682 | 131,290 | 0.72 |
| 7112 | Spectator sports | 4,493 | 127,266 | 0.90 |
| 7113 | Promoters of entertainment events | 3,315 | 129,833 | 0.65 |
| 7114 | Agents, managers for artists & other public figures | 329 | 18,856 | 0.45 |
| 7115 | Independent artists, writers & performers | 616 | 44,979 | 0.35 |
| 7121 | Museums, historical sites & like institutions | 6,187 | 133,466 | 1.19 |
| 7131 | Amusement parks & arcades | 3,019 | 142,442 | 0.54 |
| 7132 | Gambling industries | 129 | 174,267 | 0.02 |
| 7139 | Other amusement & recreation industries | 40,741 | 1,166,947 | 0.89 |
| 7211 | Traveler accommodation | 33,179 | 1,925,840 | 0.44 |
| 7212 | RV parks & recreational camps | 854 | 39,550 | 0.55 |
| 7213 | Rooming & boarding houses | 566 | 10,836 | 1.34 |
| 7221 | Full-service restaurants | 185,438 | 4,707,921 | 1.01 |
| 7222 | Limited-service eating places | 181,119 | 4,225,050 | 1.10 |

Table A16: Industry Group Employment Concentration Ratios: 2008 CBP Employment

| 2007 NAICS Code | Industry Titles | Ohio | U.S. | Ohio::U.S. Concentra- tion Ratio |
|-----------------------|--|--------|-----------|--|
| 7223 | Special food services | 19,196 | 660,719 | 0.74 |
| 7224 | Drinking places (alcoholic beverages) | 14,715 | 356,413 | 1.06 |
| 8111 | Automotive repair & maintenance | 32,479 | 866,431 | 0.96 |
| 8112 | Electronic & precision equipment repair & maintenance | 4,697 | 123,701 | 0.97 |
| 8113 | Commercial equipment (exc. auto & electric) repair & maintenance | 8,911 | 199,316 | 1.14 |
| 8114 | Personal & household goods repair & maintenance | 2,659 | 82,143 | 0.83 |
| 8121 | Personal care services | 29,902 | 637,221 | 1.20 |
| 8122 | Death care services | 7,535 | 135,786 | 1.42 |
| 8123 | Drycleaning & laundry services | 12,560 | 331,168 | 0.97 |
| 8129 | Other personal services | 7,649 | 264,247 | 0.74 |
| 8131 | Religious organizations | 67,199 | 1,699,238 | 1.01 |
| 8132 | Grantmaking & giving services | 5,375 | 191,647 | 0.72 |
| 8133 | Social advocacy organizations | 3,346 | 139,848 | 0.61 |
| 8134 | Civic & social organizations | 13,660 | 262,578 | 1.33 |
| 8139 | Business, labor, political, like organizations | 21,001 | 519,279 | 1.03 |

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

Source: U.S. Bureau of the Census (2010).

Prepared by: Policy Research & Strategic Planning, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 12/10).

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) | | | | | | | | Percent Change 1990-1997 |
|----------------|--|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 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)

| 1987 SIC Codes | Industry Titles | Gross Domestic Product (in millions of chained 2000 dollars) | | | | | | | | Percent Change 1990-1997 |
|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|-----------------------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 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 Domestic Product (in millions of chained 2000 dollars) | | | | | | | | Percent Change 1990-1997 |
|----------------|--|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 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)

| 1987 SIC Codes | Industry Titles | Gross Domestic Product (in millions of chained 2000 dollars) | | | | | | | | Percent Change 1990-1997 |
|----------------|--|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 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).

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

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

| 1987 SIC Codes | Industry Titles | Ohio | | | U.S. | | |
|----------------------|---|---------------------|-----------|--------------------------------|---------------------|-------------|--------------------------------|
| | | Real GDP (millions) | | Percent Change 1990-1997 | Real GDP (millions) | | Percent Change 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 Gross Domestic Product by Industry, 1990-1997 (chained 2000 dollars)

| 1987 SIC Codes | Industry Titles | Ohio | | | U.S. | | |
|----------------------|--|---------------------|----------|--------------------------------|---------------------|-----------|--------------------------------|
| | | Real GDP (millions) | | Percent Change 1990-1997 | Real GDP (millions) | | Percent Change 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 Gross Domestic Product 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 |
| 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).

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

Table A20: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1999-2008 (chained 2005 dollars)

| 1997 NAICS Codes | Industry Titles | Ohio | | | U.S. | | |
|------------------------|--|---------------------|-----------|--------------------------------|---------------------|--------------|--------------------------------|
| | | Real GDP (millions) | | Percent Change 1999-2008 | Real GDP (millions) | | Percent Change 1999-2008 |
| | | 1999 | 2008 | | 1999 | 2008 | |
| 11-92 | All Industries | \$418,172 | \$441,778 | 5.6% | \$10,767,500 | \$13,181,900 | 22.4% |
| 111-12 | Crop & animal production (farms) | \$1,417 | \$2,264 | 59.8% | \$72,759 | \$103,413 | 42.1% |
| 113-15 | Forestry, fishing & related activities | \$226 | \$284 | 25.7% | \$20,102 | \$28,172 | 40.1% |
| 211 | Oil & gas extraction | \$1,410 | \$515 | -63.5% | \$222,645 | \$130,535 | -41.4% |
| 212 | Mining, exc. oil & gas | \$1,351 | \$611 | -54.8% | \$45,674 | \$31,694 | -30.6% |
| 213 | Support activities for mining | \$121 | \$325 | 168.6% | \$19,351 | \$34,531 | 78.4% |
| 22 | Utilities | \$9,250 | \$7,986 | -13.7% | \$215,492 | \$221,214 | 2.7% |
| 23 | Construction | \$23,758 | \$14,185 | -40.3% | \$634,355 | \$551,807 | -13.0% |
| 321 | Wood products | \$1,132 | \$1,231 | 8.7% | \$32,666 | \$35,883 | 9.8% |
| 327 | Nonmetallic mineral products | \$3,555 | \$2,177 | -38.8% | \$46,258 | \$37,714 | -18.5% |
| 331 | Primary metals | \$9,297 | \$4,418 | -52.5% | \$63,915 | \$40,414 | -36.8% |
| 332 | Fabricated metal products | \$10,796 | \$11,400 | 5.6% | \$122,648 | \$126,517 | 3.2% |
| 333 | Machinery | \$7,035 | \$6,762 | -3.9% | \$110,848 | \$121,983 | 10.0% |
| 334 | Computer & electronic products | \$938 | \$4,531 | 383.0% | \$51,137 | \$273,215 | 434.3% |
| 335 | Electrical equipment & appliances | \$3,693 | \$3,659 | -0.9% | \$40,390 | \$46,194 | 14.4% |
| 3361-63 | Motor vehicles, bodies, trailers & parts | \$12,728 | \$13,440 | 5.6% | \$89,978 | \$112,649 | 25.2% |
| 3364-69 | Other transportation equipment | \$3,901 | \$3,866 | -0.9% | \$82,349 | \$90,848 | 10.3% |
| 337 | Furniture & related products | \$1,570 | \$1,182 | -24.7% | \$34,566 | \$28,611 | -17.2% |
| 339 | Miscellaneous mfg. | \$1,931 | \$2,072 | 7.3% | \$55,685 | \$77,989 | 40.1% |
| 311-12 | Food products | \$7,616 | \$7,685 | 0.9% | \$176,980 | \$189,548 | 7.1% |
| 313-14 | Textile & textile product mills | \$465 | \$337 | -27.5% | \$26,948 | \$16,382 | -39.2% |
| 315 | Apparel | \$120 | \$244 | 103.3% | \$19,423 | \$14,684 | -24.4% |
| 322 | Paper | \$2,653 | \$2,003 | -24.5% | \$62,205 | \$50,681 | -18.5% |
| 323 | Printing & related support activities | \$1,825 | \$1,732 | -5.1% | \$36,996 | \$37,334 | 0.9% |
| 324 | Petroleum & coal products | \$1,769 | \$1,928 | 9.0% | \$69,724 | \$123,377 | 77.0% |
| 325 | Chemical | \$7,684 | \$7,308 | -4.9% | \$169,477 | \$183,518 | 8.3% |
| 326 | Plastics & rubber products | \$6,113 | \$4,500 | -26.4% | \$65,414 | \$60,464 | -7.6% |
| 42 | Wholesale trade | \$21,820 | \$27,138 | 24.4% | \$566,331 | \$761,869 | 34.5% |
| 44-45 | Retail trade | \$30,002 | \$29,281 | -2.4% | \$723,262 | \$822,572 | 13.7% |
| 481 | Air transportation | \$717 | \$1,543 | 115.2% | \$40,402 | \$56,218 | 39.1% |

Table A20: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1999-2008 (chained 2005 dollars)

| 1997 NAICS Codes | Industry Titles | Ohio | | | U.S. | | |
|------------------------|---|---------------------|----------|--------------------------------|---------------------|-------------|--------------------------------|
| | | Real GDP (millions) | | Percent Change 1999-2008 | Real GDP (millions) | | Percent Change 1999-2008 |
| | | 1999 | 2008 | | 1999 | 2008 | |
| 482 | Rail transportation | \$1,040 | \$881 | -15.3% | \$25,726 | \$24,627 | -4.3% |
| 483 | Water transportation | \$180 | \$180 | 0.0% | \$5,783 | \$20,986 | 262.9% |
| 484 | Truck transportation | \$5,078 | \$6,353 | 25.1% | \$102,960 | \$128,420 | 24.7% |
| 485 | Transit & ground passenger transportation | \$321 | \$338 | 5.3% | \$20,529 | \$21,736 | 5.9% |
| 486 | Pipeline transportation | \$77 | \$129 | 67.5% | \$7,651 | \$11,583 | 51.4% |
| 487-88, 92 | Other transportation & support activities | \$2,861 | \$3,340 | 16.7% | \$69,810 | \$90,138 | 29.1% |
| 493 | Warehousing & storage | \$1,101 | \$2,137 | 94.1% | \$26,255 | \$37,177 | 41.6% |
| 511 | Publishing including software | \$3,654 | \$4,225 | 15.6% | \$132,540 | \$142,906 | 7.8% |
| 512 | Motion picture & sound recording industries | \$423 | \$292 | -31.0% | \$57,738 | \$57,423 | -0.5% |
| 513 | Broadcasting & telecommunications | \$5,097 | \$8,055 | 58.0% | \$199,927 | \$365,574 | 82.9% |
| 514 | Information & data processing services | \$705 | \$1,125 | 59.6% | \$29,304 | \$77,530 | 164.6% |
| 521-22 | Fed. reserve banks, credit intermediation & related svcs. | \$14,513 | \$19,156 | 32.0% | \$361,754 | \$456,329 | 26.1% |
| 523 | Securities, commodity contracts, investments | \$1,389 | \$1,737 | 25.1% | \$93,000 | \$160,093 | 72.1% |
| 524 | Insurance carriers & related activities | \$13,060 | \$18,883 | 44.6% | \$293,989 | \$450,425 | 53.2% |
| 525 | Funds, trusts & other financial vehicles | \$381 | \$536 | 40.7% | \$20,982 | \$56,575 | 169.6% |
| 531 | Real estate | \$41,049 | \$41,738 | 1.7% | \$1,213,870 | \$1,523,950 | 25.5% |
| 532-33 | Rental & leasing services & lessors of intangible assets | \$5,101 | \$5,221 | 2.4% | \$156,420 | \$180,420 | 15.3% |
| 5411 | Legal services | \$4,872 | \$4,008 | -17.7% | \$169,116 | \$175,226 | 3.6% |
| 5415 | Computer systems design & related services | \$2,851 | \$5,287 | 85.4% | \$94,214 | \$168,440 | 78.8% |
| 5412-4, 6-9 | Other professional, scientific & technical services | \$13,483 | \$16,171 | 19.9% | \$452,001 | \$616,550 | 36.4% |
| 55 | Management of companies & enterprises | \$9,683 | \$12,283 | 26.9% | \$203,481 | \$221,996 | 9.1% |
| 561 | Administrative & support services | \$10,126 | \$12,433 | 22.8% | \$262,362 | \$357,343 | 36.2% |
| 562 | Waste management & remediation services | \$1,310 | \$1,338 | 2.1% | \$30,850 | \$37,803 | 22.5% |
| 61 | Educational services | \$3,475 | \$3,683 | 6.0% | \$113,789 | \$125,822 | 10.6% |
| 621 | Ambulatory health care services | \$12,515 | \$16,689 | 33.4% | \$315,239 | \$452,741 | 43.6% |
| 622-23 | Hospitals & nursing & residential care facilities | \$15,527 | \$17,561 | 13.1% | \$318,980 | \$380,893 | 19.4% |
| 624 | Social assistance | \$1,862 | \$2,586 | 38.9% | \$59,685 | \$78,288 | 31.2% |
| 711-12 | Performing arts, museums & related activities | \$1,831 | \$1,634 | -10.8% | \$56,066 | \$67,556 | 20.5% |
| 713 | Amusements, gambling & recreation | \$1,710 | \$1,497 | -12.5% | \$54,661 | \$59,545 | 8.9% |
| 721 | Accommodation | \$1,615 | \$1,628 | 0.8% | \$95,870 | \$109,567 | 14.3% |

Table A20: Association of Ohio and U.S. Percentage Changes in Gross Domestic Product by Industry, 1999-2008 (chained 2005 dollars)

| 1997 NAICS Codes | Industry Titles | Ohio | | | U.S. | | |
|------------------------|---------------------------------|---------------------|----------|--------------------------------|---------------------|-------------|--------------------------------|
| | | Real GDP (millions) | | Percent Change 1999-2008 | Real GDP (millions) | | Percent Change 1999-2008 |
| | | 1999 | 2008 | | 1999 | 2008 | |
| 722 | Food services & drinking places | \$8,295 | \$8,779 | 5.8% | \$218,317 | \$259,965 | 19.1% |
| 81 | Other services, exc. government | \$12,918 | \$10,669 | -17.4% | \$341,305 | \$324,990 | -4.8% |
| 92a | Civilian (inc. Postal Service) | \$8,102 | \$7,390 | -8.8% | \$276,793 | \$277,235 | 0.2% |
| 92b | Military | \$1,755 | \$2,036 | 16.0% | \$131,647 | \$152,220 | 15.6% |
| 92c | State & local | \$38,375 | \$38,174 | -0.5% | \$1,003,960 | \$1,132,050 | 12.8% |

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 (2010), 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 for one time period may appear as a random fluctuation with another set of points for another, overlapping time period. This is especially true when the time periods are short. 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 countries” because the OER “method involves a variety of international and domestic financial forces that may not capture the value of domestic output” (CIA, 2010). However, while “PPP estimates for OECD [Organization of Economic Cooperation and Development] countries are quite reliable, PPP estimates for developing countries are often rough approximations” (CIA, 2010). (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, 2010). See the CIA (2010) and OECD (2010) websites for more technical and detailed discussions of the subjects.
- 3 Table A15 and the related graph illustrate the strong association between GDP and County Business Patterns employment concentration ratios in 2008. The strength of these associations means that the County Business Patterns concentration ratios *for industry groups* shown in Table A16 generally are good proxies for GDP data in specifying our understanding of sectors and major industries concentrated in Ohio. They also may point to groups that are exceptions in sectors and major industries not concentrated here.
- 4 Similarly, manufacturing products made from leather (except footwear) is concentrated in Ohio, but the production of leather itself is not (U.S. Bureau of the Census, 2010a). GDP data for the leather industry (316) are not available.
- 5 Although Ohio has 4.7 percent of the country’s coal reserves, only 2.2 percent of the coal extracted in 2008 came from mines in Ohio. Ohio ranked 7th in the former and 8th in the latter (U.S. Bureau of the Census, 2009: tables 885 & 886).

- 6 This is due to “an imputation for the rental value of owner-occupied housing. The Bureau of Economic Analysis (BEA) treats homeowners as businesses, which pay rent to themselves. Therefore, homeowners contribute to the real estate industry’s Gross Domestic Product even if not employed by the industry. In addition, like businesses, homeowners’ property taxes paid to state and local governments are included as part of taxes on production and imports (TOPI) for the real estate industry” (U.S. BEA, 2010).
- 7 County Business Patterns data are now published under the 2007 NAICS, while BEA GDP data are still published under the 1997 NAICS. That is why the graph on page 38 shows data for NAICS 513 and 514 while table A16, page 93, shows data for NAICS 515, 517, 518 and 519.
- 8 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.
- 9 It should be noted that the BEA also changed how it calculated state GDP at the same time it switched to the NAICS. This could have affected the figures for Ohio.
- 10 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.
- 11 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.

SOURCES AND REFERENCES CITED

American Iron & Steel Institute, 1974-2004

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

Automotive News, 2010

2010 Market Data: North American Production. Found at <<http://www.autonews.com/datacenter>>.

Central Intelligence Agency (CIA), 2010

Start with <<https://www.cia.gov/library/publications/the-world-factbook/>> for data and technical documentation.

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

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

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

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

ELM International, Inc., 2010

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

Fortune, 2010

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

International Iron and Steel Institute, 2010

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

Moody's, 2010

Moody's Analytics / Précis U.S. State / Midwest / October.

Office of Management and Budget, 1998

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

_____, 2007

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

Ohio Steel Council, 2010

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

Organization for Economic Cooperation and Development (OECD), 2010

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

U.S. Bureau of the Census, 1999

County Business Patterns, 1997: Ohio. Washington, D.C.: U.S. Government Printing Office, table 1a.

_____, 2000

County Business Patterns, 1998: Ohio, a .pdf found at <<http://www.census.gov/prod/www/abs/cbptotal.html>>.

See table 1.

_____, 2009

Statistical Abstract of the United States: 2010 (129th ed.). Washington, D.C.: the Bureau.

_____, 2010a

Cbp08st.txt and cbp08us.txt [machine-readable state and national County Business Patterns data files] / prepared by the Bureau. Washington, D.C.: the Bureau [producer and distributor].

_____, 2010b

Start with <<http://www.census.gov/>>, select “E,” and click on “estimates.”

U.S. Bureau of Economic Analysis (BEA), 2010

Start with <<http://www.bea.doc.gov/>>, select “GDP by State” and then “Interactive tables.” Searches of the site for additional information are possible.

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

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

Woods, Rose A., 2008

“Industry output and employment projections to 2018,” Monthly Labor Review, November, pp. 52-80.