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Self Employed in Ohio's Economy

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

SELF-EMPLOYED IN OHIO'S ECONOMY

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Don Larrick, Principal Analyst
Office of Strategic Research, Ohio Department of Development
P.O. Box 1001, Columbus, Oh. 43216-1001
James Kell, Steven Kelley, Editors

TABLE OF CONTENTS	Page
Introduction	1
Introduction - - - - -	2
Highlights	3
Establishment and Job Trends by Employment Status - - - - -	5
Establishment Trends by Employment Status in Ohio and the U.S.: 1997-2005	7
Where Growth of the Self-Employed Has Occurred- - - - -	9
Job Trends by Employment Status in Ohio and the U.S.: 1997-2005	11
Receipts of the Self-Employed in Ohio and the U.S.: 1997-2005- - - - -	13
Description of Ohio’s Self-Employed Economy	15
The Composition of Ohio’s Self-Employed Establishments in 2005- - - - -	17
Comparing the Distribution of Self-Employed Activity in Ohio with That of the U.S. in 2005	19
Comparing the Self-Employed and Employers- - - - -	21
The Composition of Ohio’s Business Establishments in 2002	23
Mining- - - - -	25
Construction	27
Manufacturing - - - - -	30

Notes on Agriculture, Forestry, Fishing and Hunting	31
Wholesale and Retail Trade - - - - -	37
Transportation and Warehousing	39
Information - - - - -	41
Finance and Insurance	43
Real Estate, Rental, and Leasing- - - - -	45
Professional, Scientific, and Technical Services	47
Administrative-Support and Waste Management and Remediation - - - - -	49
Health Care and Social Assistance	51
Arts-Entertainment-Recreation- - - - -	53
Accommodation and Food Service	55
Other Services (Except Public Administration)- - - - -	57
Summary	58
Appendices- - - - -	60
Terminology	61
Detailed Tables- - - - -	62
Table A1: Self-employed and Employer Establishment Trends for Ohio and the U.S., 1997-2005	63
Table A2: Self-employed Establishment Trends for Selected Industries in Ohio, 1997-2005- - - - -	64

Table A3:	Non-farm Private Sector Employees and the Self-employed in Ohio and the U.S., 1997-2005	66
Table A4:	Trends in Self-employed Receipts for Ohio and the U.S., 1997-2005 - - - - -	67
Table A5:	The Number of Self-employed Establishments in Ohio and Their Receipts by Sector for 2005	68
Table A6:	Concentration Ratios – Ohio::U.S. Self-employed Establishments, 2005- - - - -	69
Table A7:	Private Sector Firms in Ohio and Their Receipts by Employer Status, 2002	82
Table A8:	Economic Census Employer and Self-employed Statistics for Ohio, 2002- - - - -	83
Notes		94
Sources and References Cited- - - - -		96

INTRODUCTION

INTRODUCTION

This report provides an overview of the roles of the self-employed – specifically the self-employed *with no employees* – in Ohio’s economy. It looks at the production of goods and the provision of services by people using only their own capital and labor – regardless of whether they are corporations, partnerships, or the sole proprietors of operations.

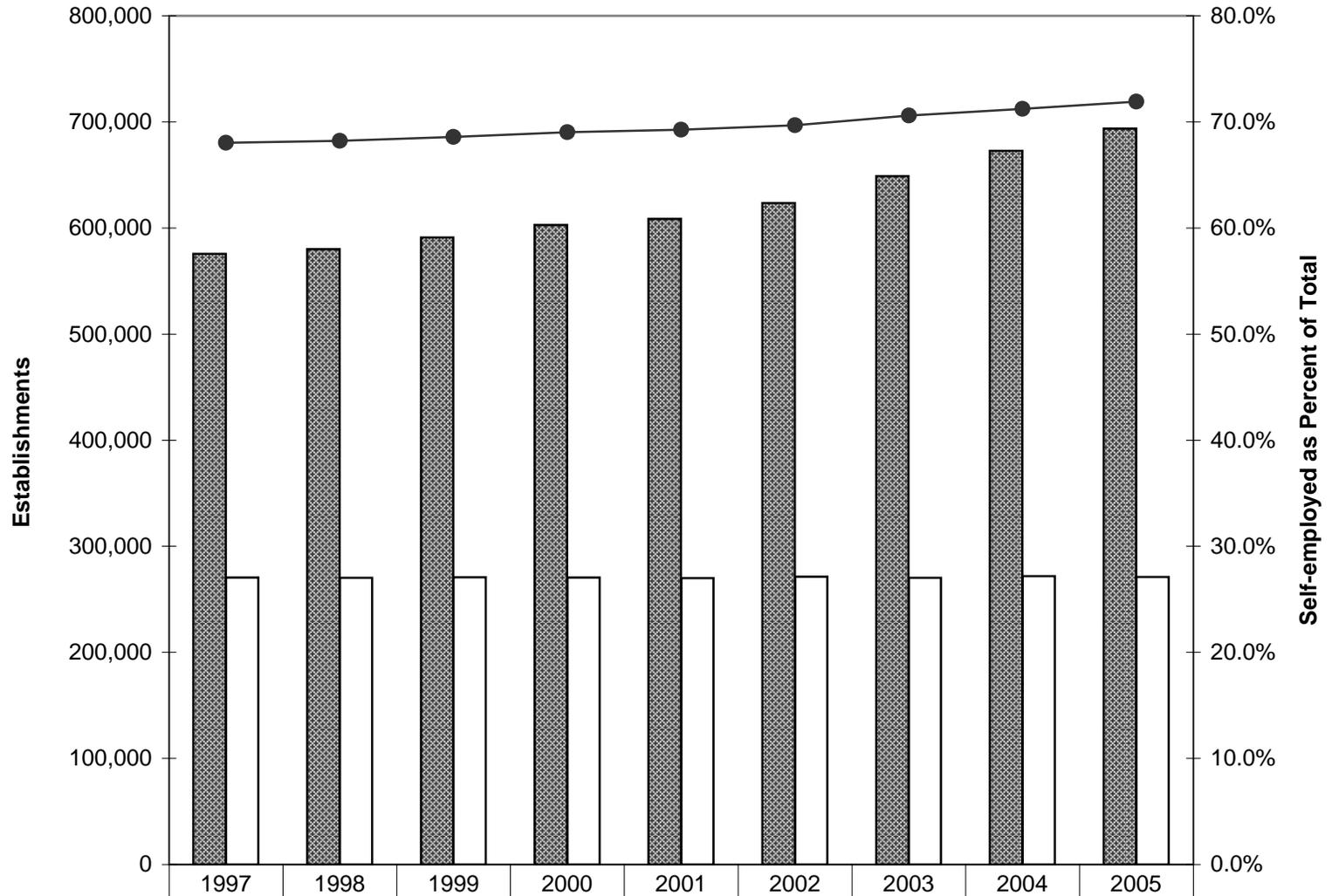
There are four major sections after this introduction and highlights. The first focuses on recent trends in self-employed establishments and jobs¹, and compares them with employers. The second describes the distribution of self-employed economic activity by sector here and compares it with the nation as a whole. The third details how employer and self-employed shares of business vary from industry to industry in 18 economic sectors. The last is an appendix containing sub-sections on terminology and data tables. The graphs and most of the discussions herein are based on, and refer to, the appendix tables. While parts of this report cover the years 1997 through 2005, most of the details and specific comparisons of industries draw on data from the 2002 Economic Census and the Survey of Business Owners conducted by the U.S. Bureau of the Census. Data from the National Agricultural Statistical Service and the U.S. Bureau of Labor Statistics also are incorporated.

HIGHLIGHTS

- Self-employed establishments comprised 71.9% of all non-farm business establishments in Ohio in 2005.
- The number of self-employed establishments has grown from less than 575,500 in 1997 to about 693,700 by 2005; the increase also represents the minimum number of jobs added to the workforce.
- Self-employed growth occurred primarily in real estate, administrative support, health care and social assistance, construction, and other services – and secondarily in transportation, education, information, arts-entertainment-recreation, and accommodation and food services.
- Gross receipts of the self-employed in Ohio rose from \$19.9 billion in 1997 to \$28.6 billion in 2005, an increase of 43.2%.
- The average receipts per self-employed establishment in Ohio have fluctuated between \$41,100 and \$43,900 during the 1997-2005 period after adjusting for inflation.
- About 60% of all self-employed establishments in Ohio's economy are found in five of the nineteen private sectors: construction – 97,300-plus; other services – almost 89,100; professional-scientific-technical services – 88,200-plus; real estate-rental-leasing – 79,900; and retail trade – well over 71,300; these five also account for 66% of all self-employed establishments' gross receipts.
- Comparing employer and self-employed establishments and receipts leads to the central insight on the role of the self-employed in the economy: the self-employed comprise 75.4% of all non-farm private-sector firms, but they collect only 2.7% of all such receipts; this varies by economic sector.
- The three sectors where self-employed establishments have the greatest impact are forestry-hunting-fishing-trapping with 52.4% of all sector receipts, real estate-rental-leasing with 37.1% of all sector receipts, and other services with 17.2% of all sector receipts.
- Self-employed establishments have between 9% and 10% of total receipts in four more sectors: construction, transportation and warehousing, professional-scientific-technical services, and arts-entertainment-recreation.

ESTABLISHMENT AND JOB TRENDS BY EMPLOYMENT STATUS

Non-farm Private Sector* Establishment Trends in Ohio: 1997-2005 by Employer Status



	1997	1998	1999	2000	2001	2002	2003	2004	2005
Self-employed	575,489	579,907	591,150	602,921	608,520	623,622	648,904	672,835	693,705
Employers	270,540	270,343	270,766	270,509	269,944	271,181	270,255	271,733	270,968
Self-employed - Percent of Total	68.0%	68.2%	68.6%	69.0%	69.3%	69.7%	70.6%	71.2%	71.9%

Source: U.S. Census Bureau

Note: * - Railroads are excluded.

ESTABLISHMENT TRENDS BY EMPLOYMENT STATUS IN OHIO AND THE U.S.: 1997 - 2005

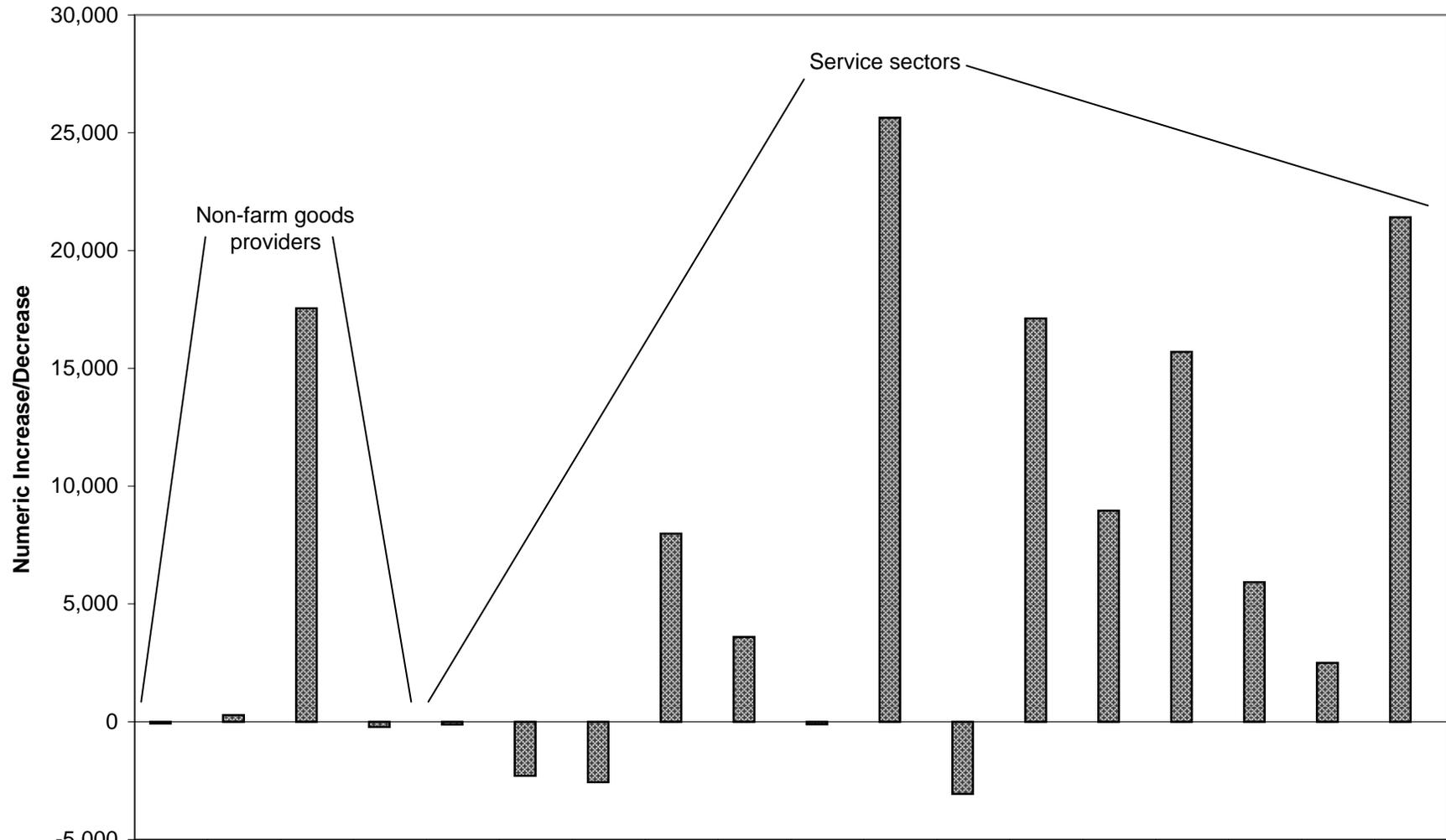
The graph above illustrates the contrasting trends between employer-establishments and establishments with only self-employed persons with no employees in Ohio. Not only do self-employed establishments out-number employers, the self-employed have been growing at a faster rate than employers. The number of non-farm private-sector employer establishments fluctuated around 270,000-271,000 during the 1997-2005 period. The corresponding number of self-employed establishments here steadily rose from under 575,500 to about 693,700 – an increase of 20.5%. This also means that self-employed establishments have risen from 68.0% to 71.9% of all non-farm private-sector establishments. (Railroads are excluded from the counts of both.)

Data in appendix table A1 show growth across the country occurred at higher rates: employer establishments rose about 8.8%, and self-employed establishments increased almost 32.1%. Furthermore, self-employed establishments have been a slightly greater portion of establishments nationally, rising from 69.1% to 73.1%. Nevertheless, Ohio ranked seventh in the nation in the number of self-employed establishments throughout this time.

The faster rate of growth for the nation as a whole also means that the percentage of self-employed establishments found in Ohio fell from 3.73 in 1997 to 3.40 in 2005. The corresponding percentages of employer establishments in Ohio also fell from 3.92 to 3.61. The slightly greater percentage of employer vs. self-employed establishments at each point in time implies that Ohio is marginally more oriented to wage and salary employment than to self-employment. This is consistent with data from other sources (see Office of Strategic Research, 2006a.)

See Tables A1 & A4

Net Changes Among the Self-employed in Ohio by Non-farm Private Sector: 1997-2005



	11p: Forestry, Etc.	21: Mining	23: Construction	31-33: Manufacturing	22: Utilities	42: Whlsl	44-45: Retail	48-49: Trans/Ware*	51: Information	52: Fin/Ins	53: Real Estate	54: Prof/Sci/Tech	56: Adm Supp...	61: Education	62: Health/Social	71: Art/Entnmnt...	72: Accom/Food	81: Other Svc
■ Absolute Change	-66	283	17,545	-220	-120	-2,294	-2,561	7,983	3,599	-107	25,635	-3,061	17,122	8,955	15,697	5,917	2,499	21,410
■ Percentage Change	-1.2%	7.3%	22.0%	-1.9%	-20.5%	-14.7%	-3.5%	26.9%	69.2%	-0.5%	47.2%	-3.4%	51.4%	102.5%	38.8%	24.3%	42.6%	31.6%

Source: U.S. Census Bureau

Note: * - Excludes railroads.

WHERE SELF-EMPLOYED GROWTH HAS OCCURRED

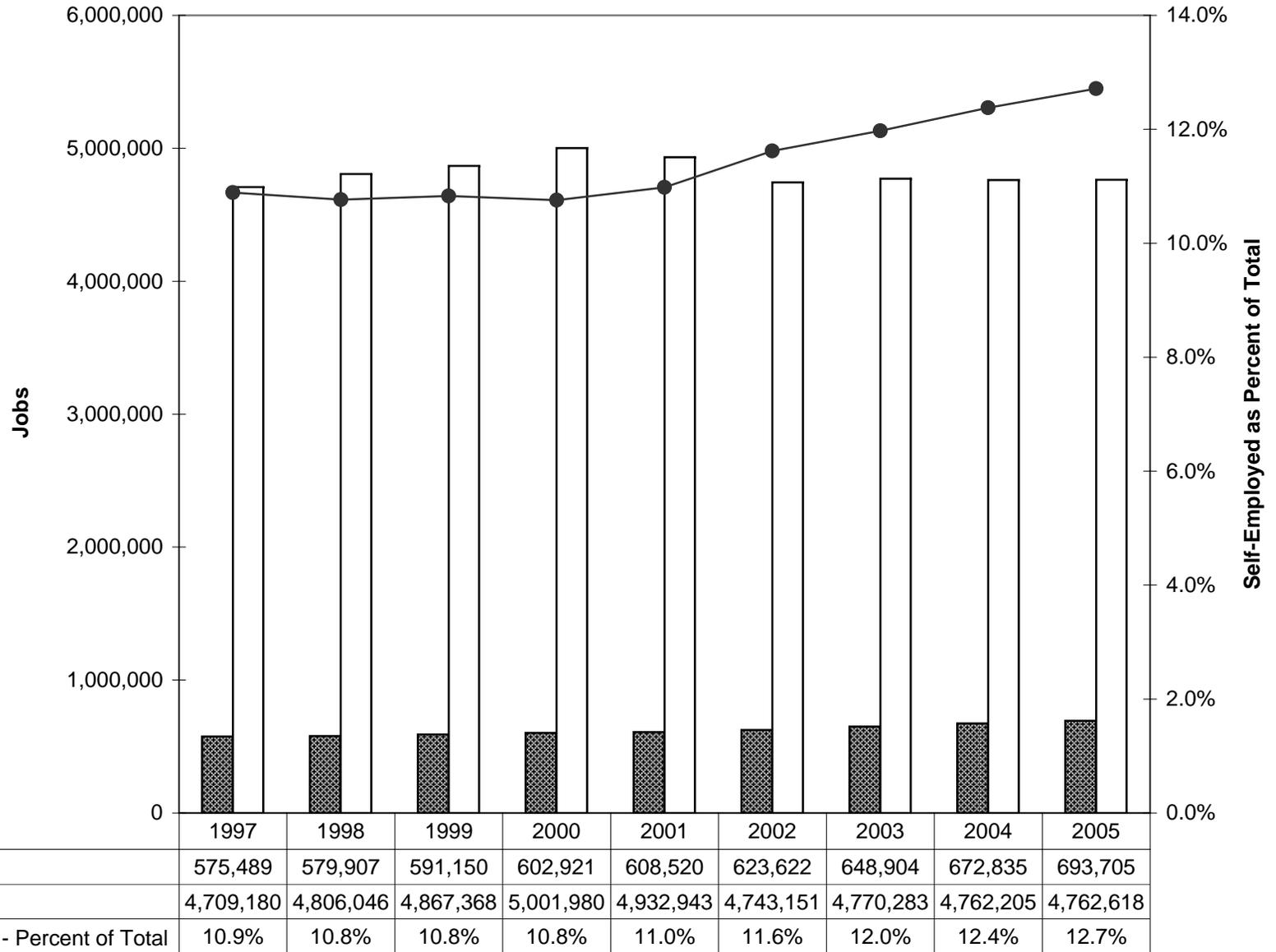
Analysts divide the economy into 20 sectors using the North American Industry Classification System (NAICS), and self-employed establishments with no employees are found in all except government (NAICS code 92) and the management of companies and enterprises (55). The chart above shows that the growth of self-employed establishments in Ohio from 1997 through 2005 has been concentrated in some sectors of the economy. Notably, the largest net gains occurred in real estate-rental-leasing (53), other services (81), construction (23), administrative support and waste management (56), and health care and social assistance (62). All of these sectors gained at least 15,000 establishments. Smaller gains were seen in other sectors: transportation and warehousing (48-49, except railroads), information (51), education (61), and arts-entertainment-recreation (71); gains ranged from about 2,500 to around 9,000. Education and information saw the highest growth rates at 102.5% and 69.2%, respectively. Other sectors showed little net change, and three sectors experienced net losses. Annual data in table A2 show that the net changes often were not steady; rather some sectors saw both ups and downs, while others underwent seemingly random fluctuations. Overall, there was a net gain of almost 100,700 establishments in the service-providing sectors; the net gain of 17,500-plus in the non-farm goods-providing sectors was due almost entirely to the construction sector.

Detailed data in table A2 also specify, to a degree, where notable growth occurred within the sectors. The gains in some sectors were concentrated in one industry, group, or sub-sector. Five-sixths of the gains in arts-entertainment-recreation (over 4,900) were among independent artists, writers, and performers; four-fifths of the gains – or about 2,000 – in accommodation and food services were in special food services. Over two-thirds of the growth in construction – 12,200 establishments – occurred in specialty trades; four-sevenths of the gains in transportation and warehousing – almost 4,500 – were in trucking. Gains in other sectors were spread among a few industries. Three industries accounted for 22,700 – 88.6% – of the gains in real estate: lessors of real estate (residential and non-residential), real estate agents and brokers, and other real estate activities. Similarly, the combined gains of three groups – office services, administrative support, and services to businesses and dwellings, about 15,600 – comprised 91.1% of the net growth in administrative support and waste management. The combined gains of three more groups – other health practitioners (chiropractors, optometrists, occupational and speech therapists, etc.), home health care providers, and child day care services, well over 13,200 establishments – amounted to 84.5% of the gains in health care and social assistance.

Other data in table A2 show exceptions to sector trends. For example, the professional, scientific and technical services sector (54) had a net loss exceeding 3,000 establishments, but the computer systems design group showed steady gains amounting to well over 1,700. Self-employed numbers in the finance and insurance sector (52) were nearly unchanged overall, but the number of insurance carriers rose by over 1,000.

See Table A2

Non-farm Private Sector* Job Trends in Ohio: 1997-2005 by Employment Status



Source: U.S. Census Bureau

Note: * - Railroad workers are excluded.

JOB TRENDS BY EMPLOYMENT STATUS IN OHIO AND THE U.S.: 1997 - 2005

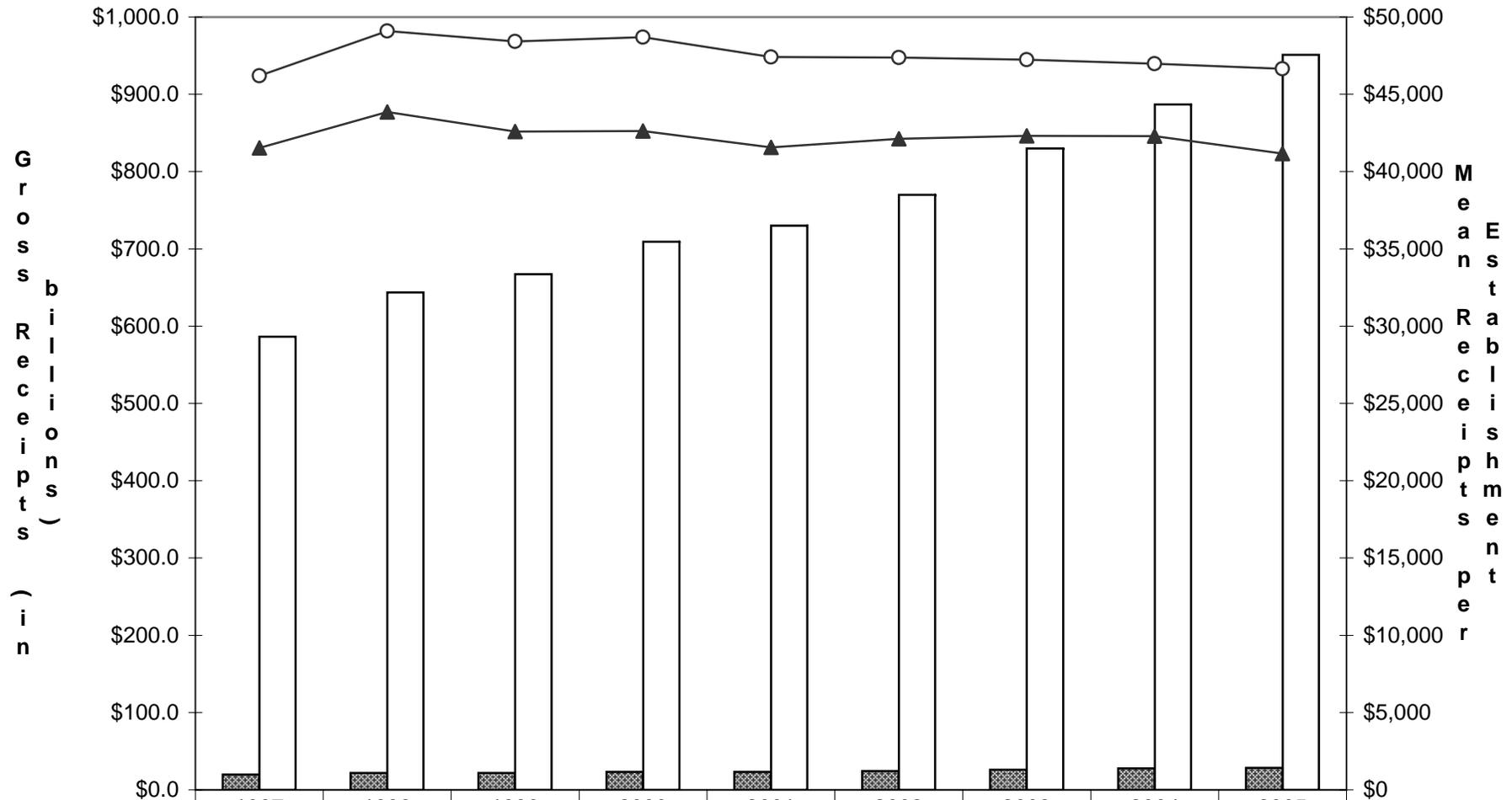
One interesting aspect of self-employed establishments is that they may also be treated as a *minimum number of self-employed persons* and compared with the number employed people. The graph above illustrates the differing trends. Non-farm private-sector employees in Ohio rose from about 4,709,000 in 1997 to almost 5,002,000 in 2000, and then declined with little interruption to around 4,762,000 by 2004/2005. This contrasts with the more-or-less steady increase in corresponding minimums of the self-employed from just under 575,500 in 1997 to about 693,700 in 2005. The continuing increase in self-employment – about 90,000 since 2000 – has not been enough to offset the drop in the number of employees since 2000 – over 239,000. However, the addition of the self-employed alters the overall picture of Ohio's recent jobs history. The minimum number of non-farm private-sector jobs in Ohio rose from under 5,285,000 in 1997 to almost 5,605,000 in 2000, fell to less than 5,367,000 in 2002, and has partially recovered to 5,456,000 by 2005. (Again, railroad workers are excluded.)

One consequence of the differing trends seen above is that the composition of Ohio's work force has changed. At least 10.9% of the non-farm private-sector jobs in Ohio consisted of self-employment in 1997. This rose to 12.7% by 2005.

This series of changes in Ohio is similar to what happened across America. The minimum number of self-employed has risen continuously and at a more rapid rate. The number of employees rose through 2001, dropped in 2002, recovered to the 2001 level by 2004, and continued growing in 2005. The minimum percentage of American jobs described as self-employment rose from 12.8% to 14.9%.

See Table A3

Trends in Self-employed Receipts, 1997-2005 (Means Standardized on 2005)



	1997	1998	1999	2000	2001	2002	2003	2004	2005
■ Ohio- G.R.	\$19.9	\$21.7	\$21.9	\$23.1	\$23.4	\$24.4	\$26.0	\$27.6	\$28.6
□ U.S.-G.R.	\$586.3	\$643.7	\$667.2	\$709.4	\$729.9	\$770.0	\$829.8	\$887.0	\$951.2
▲ Ohio-Means	\$41,534	\$43,866	\$42,594	\$42,620	\$41,573	\$42,129	\$42,314	\$42,298	\$41,170
○ U.S.-Means	\$46,201	\$49,093	\$48,427	\$48,694	\$47,413	\$47,376	\$47,238	\$46,974	\$46,646

Source: U.S. Census Bureau

SELF-EMPLOYED RECEIPTS IN OHIO AND THE U.S.: 1997 - 2005

Another measure of self-employed growth in Ohio and the nation is the growth of receipts. The graph above indicates the gross receipts (GR) of the self-employed in Ohio rose from \$19.9 billion (B) in 1997 to \$28.6B in 2005, an increase of 43.2%. The corresponding increase across the country was from \$586.3B to \$951.2B, or 62.2%. The faster rate of growth for the nation as a whole also means that the percentage of such receipts in Ohio fell from 3.4 in 1997 to 3.0 in 2005. Due to the higher growth rate across the country, Ohio's rank fell from eighth to ninth in GR during this period.

Undoubtedly the gross increases incorporate the increasing numbers of self-employed establishments during this time as well as the effects of inflation. The graph above also shows that, after adjusting for inflation², the mean GR for self-employed establishments in Ohio fluctuated between \$41,100 and \$43,900 (in 2005 dollars). The corresponding national means ranged between \$46,200 and \$49,100. The year-to-year changes do not appear to constitute a trend. Therefore, it may be fair to say that while self-employed establishments are more numerous, their real earnings are relatively unchanged.

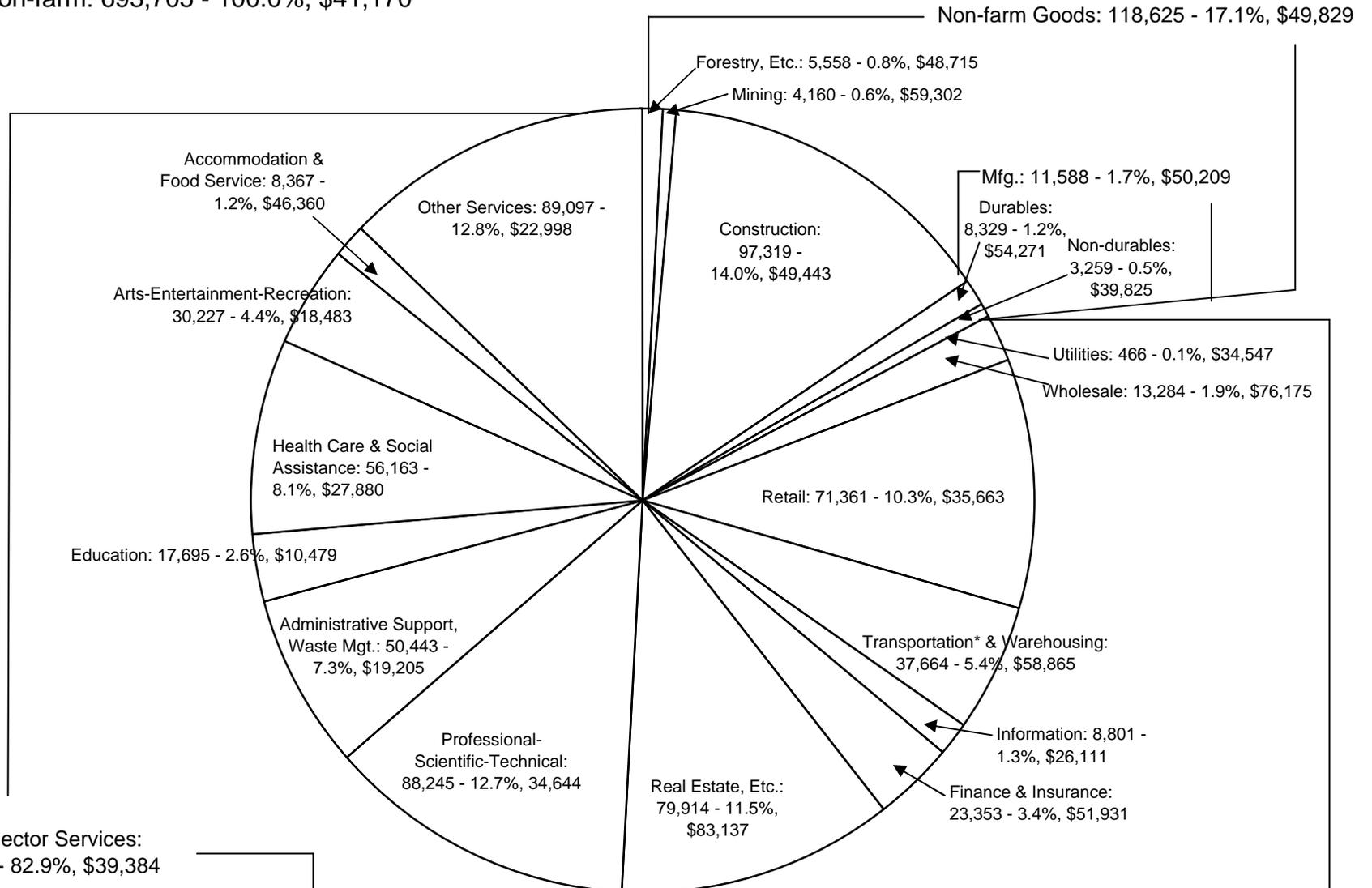
See Table A4

DESCRIPTION OF OHIO'S SELF-EMPLOYED ECONOMY

Distribution of Ohio's Self-employed Establishments by Sector, 2005

Number - Percent of Private Sector Non-farm Total - Average Receipts per Establishment

Total Non-farm: 693,705 - 100.0%, \$41,170



Source: U.S. Census Bureau

Notes: P - part; * - excludes railroads.

THE COMPOSITION OF OHIO'S SELF-EMPLOYED ESTABLISHMENTS IN 2005

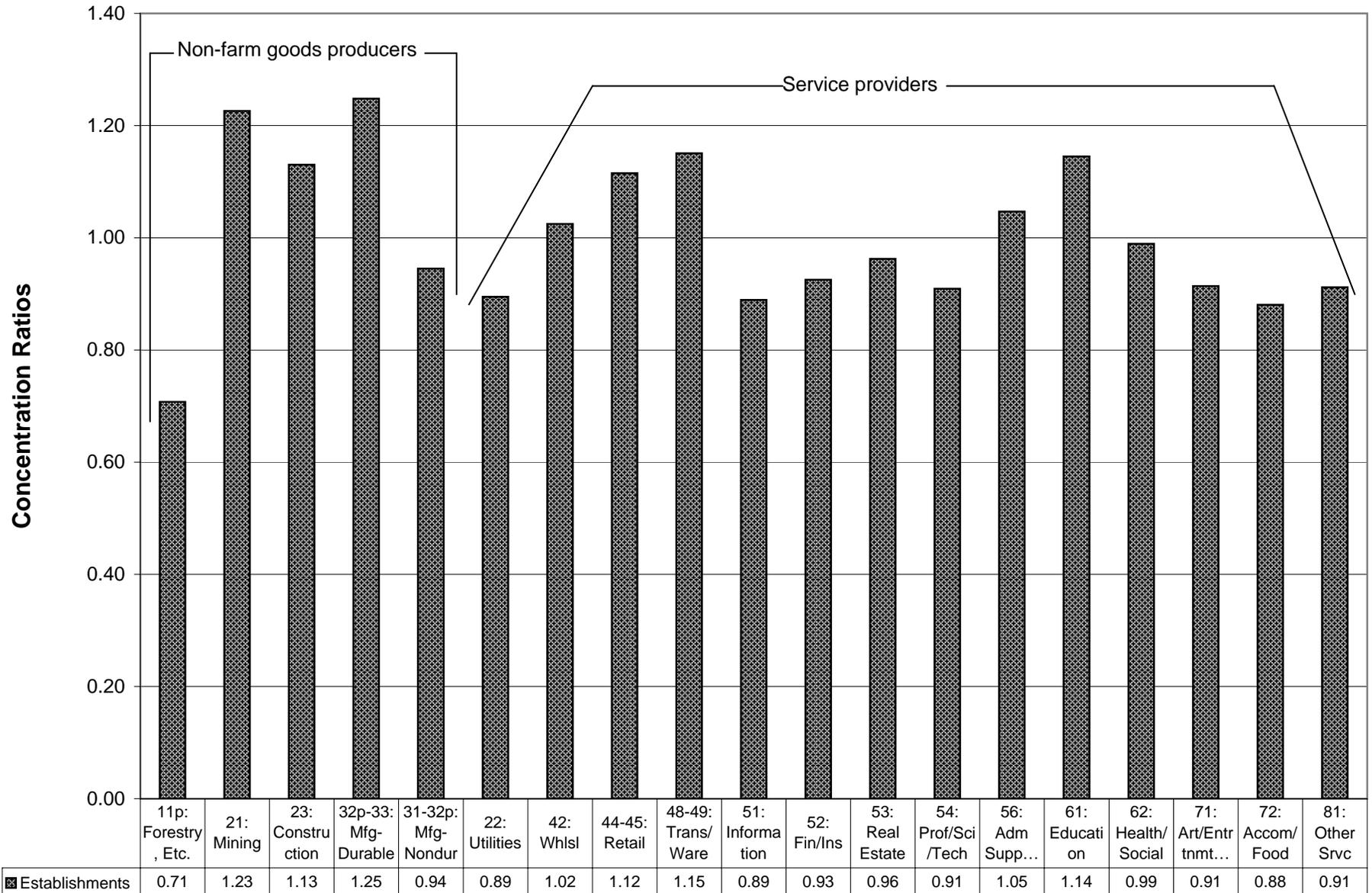
The chart above illustrates the distribution of self-employed establishments in Ohio under the NAICS. Receipts totaling \$28.56 billion (B) in 2005 are divided among 693,705 establishments in 18 private sectors, averaging \$41,170. Most notably, crop (111) and animal (112) production – i.e., farming – are excluded from the agricultural sector (11) because sales for self-employed establishments with no employees and employer-establishments are combined, leaving only forestry, fishing, hunting, and agricultural support. (The exclusion of a few more-specific industries from other sectors is noted later in the report.)

Judging by the number of establishments, construction (23) is the single largest self-employed sector with 97,319. It is followed by other services (81) with 89,097, professional-scientific-technical services (54) with 88,245, real estate-rental-leasing (53) with 79,914, and retail trade (44-45) with 71,361. The five comprise about three-fifths of all such establishments in Ohio and account for about two-thirds of the corresponding receipts.

The chart above also groups self-employed establishments into two categories: those providing services and those producing goods. Almost five of every six establishments without employees provide some sort of service, and average receipts per establishment vary widely. Real estate-rental-leasing has the highest average at \$83,137, and education (61) has the lowest with \$10,479. While goods-producing establishments without employees are less numerous, their average receipts are greater than those of service-providers: \$49,829 vs. \$39,384 per year.

See Table A5

The Relative Concentration of Self-employed Activity in Ohio, 2005



Source: U.S. Census Bureau

COMPARING THE DISTRIBUTION OF SELF-EMPLOYED ACTIVITY IN OHIO WITH THAT OF THE U.S. IN 2005

The preceding section showed the distribution of self-employed activity in Ohio across sectors of the economy. For example, construction was the largest sector in Ohio with 14.0% of the establishments, while forestry, etc., was one of the smallest with 0.8%. (Percentages have been rounded to the nearest tenth.) This section furthers our understanding of self-employed activity here by comparing the distribution of establishments across sectors in Ohio with the corresponding national distribution. The graph above shows the ratios of these percentages for each sector of the economy. Continuing with the same sectors, construction and forestry, etc., establishments across the country comprised 12.4% and 1.1%, respectively, of self-employed establishments in 2005. When compared with those for Ohio, these yield ratios of 1.13 for construction (14.0% divided by 12.4%) and .71 for forestry, etc. (0.8% divided by 1.1%). These figures mean that among the self-employed with no employees, construction establishments are concentrated in Ohio, while forestry, etc., establishments are 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, the self-employed establishments in Ohio are characterized in broad terms by the graph above. Overall, non-farm goods producers are somewhat concentrated in the state (1.10) – but this reflects the concentration of mining (1.23), construction (1.13), and durable goods manufacturing (1.25) activity. On the other hand, forestry, etc. and non-durable goods manufacturing establishments (.71 and .94, respectively) are more or less sparse.

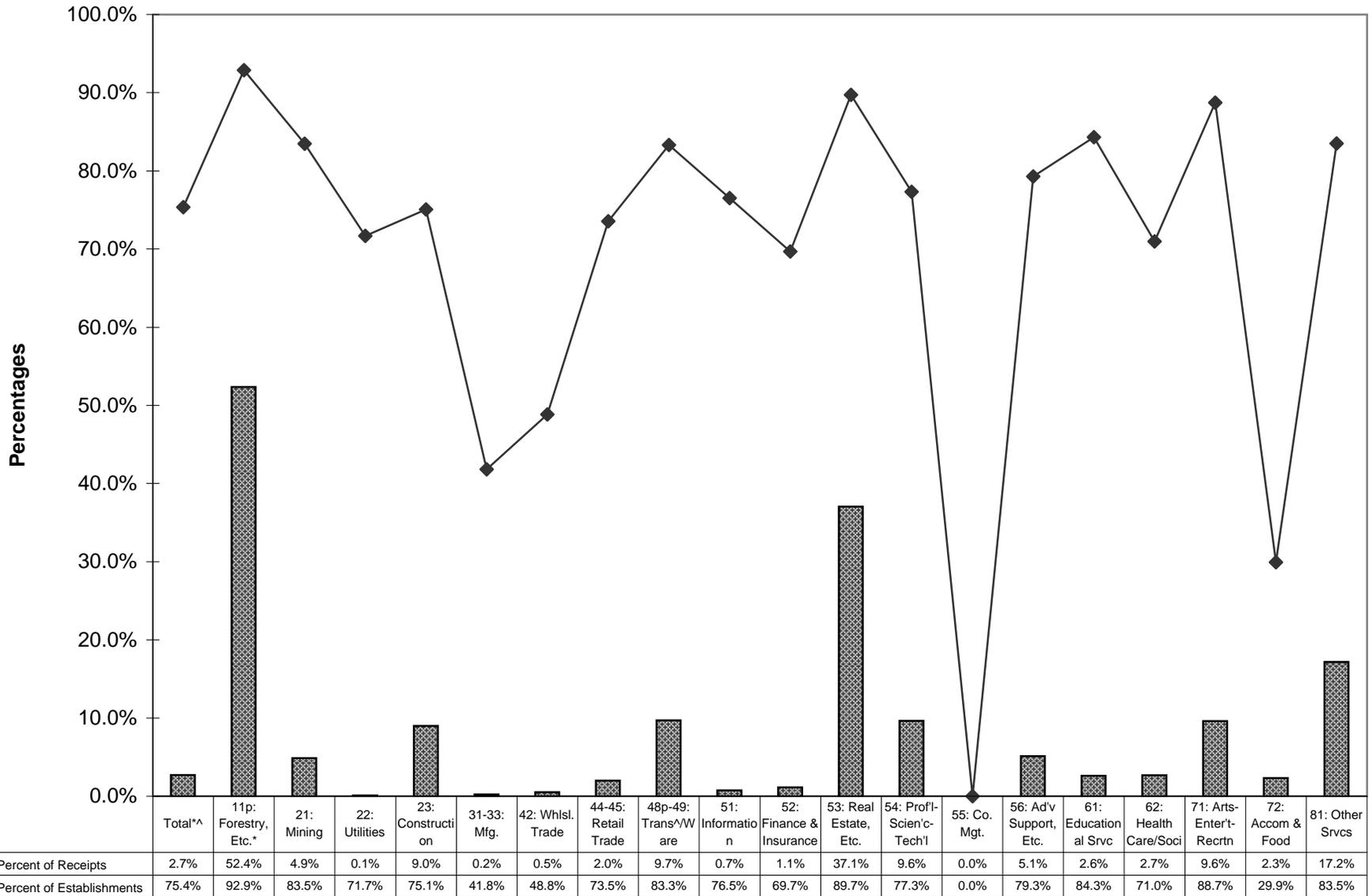
Self-employed service providers concentrated in Ohio include retailers, those in education, and transportation and warehousing. On the other hand, activity in utilities, information, finance and insurance, professional-scientific-technical endeavors, arts-entertainment-recreation, accommodation and food service, and other services is comparatively sparse. The numbers of establishments here in real estate-rental-leasing, administrative-support and waste management, and health care and social assistance are close to proportional with the nation.

See appendix table A6 for the details of specific industry concentrations in Ohio.

See Table A6

COMPARING THE SELF-EMPLOYED AND EMPLOYERS

Percentages of Receipts and Establishments for the Self-employed in Ohio's Non-farm Private Sector



Source: U.S. Census Bureau

Notes: * - excludes farms; ^ - excludes railroads.

THE COMPOSITION OF OHIO'S BUSINESS ESTABLISHMENTS IN 2002

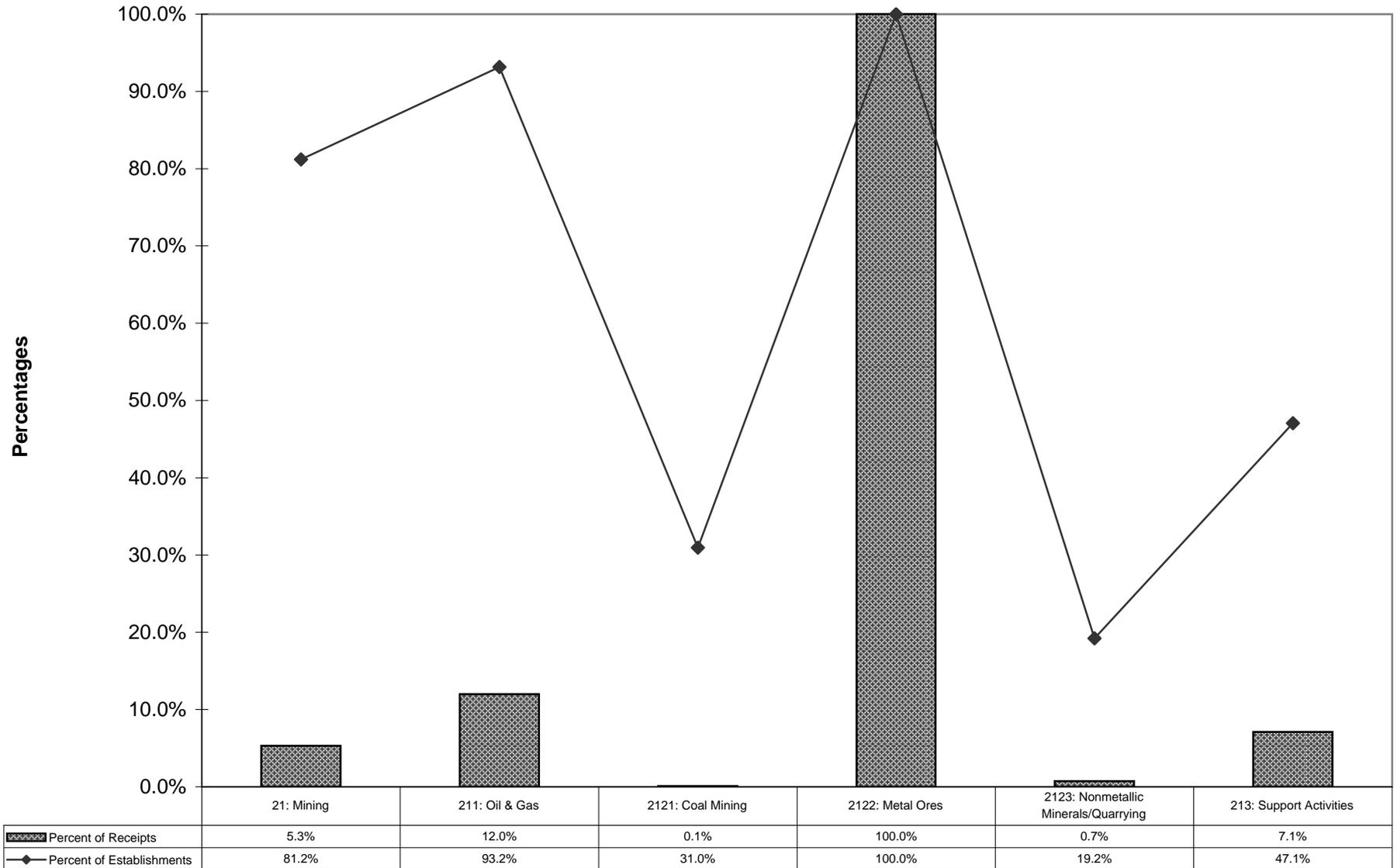
The graph above compares self-employed and employer establishments in Ohio in two ways: dots showing the percentage of all establishments that are self-employed with no employees, and columns showing the percentage of all receipts that go to self-employed establishments. The left-most dot indicates 75.4% of all non-farm private-sector establishments have no employees. (Railroads are excluded.) The rest of the dots show that this percentage varies by sector. Note that over 80% of the establishments in forestry-hunting-fishing (NAICS 11p), mining (21), transportation-warehousing (48p-49), real estate-rental-leasing (53), education (61), arts-entertainment-recreation (71), and other services (81) sectors have no employees. On the other hand, manufacturing (31-33), wholesale trade (42), and accommodation-food service (72) are sectors wherein the majority of establishments have employees. By definition, the management of companies and enterprises (55) includes employees, which means that there are no self-employed establishments in that sector.

The columns tell a different story. The left-most column indicates that, overall, the self-employed received only 2.7% of the gross receipts of all businesses.³ As before, the remaining columns show that this percentage varies by sector. Only in forestry-hunting-fishing (11p) did the self-employed receive the majority of sector receipts, and the only other sectors in which the self-employed had at least 10% of sector receipts were real estate-rental-leasing (53 – 37.1%) and other services (81 – 17.2%). Additional sectors with above-average percentages of receipts for the self-employed include mining (21 – 4.9%), construction (23 – 9.0%), transportation-warehousing (48-49p – 9.7%), professional-scientific-technical services (54 – 9.6%), administrative-support and waste management (56 – 5.1%), and arts-entertainment-recreation (71 – 9.6%).

Comparing the dots and the columns reveals the central insight into self-employed businesses. Even though they are the norm by number – about three-fourth of all business establishments – their collective economic impact appears small, given that their share of business receipts is one-thirty-seventh of the total. This varies by sector, and most of the remainder of this report explores further variations within each sector.

See Table A7

Percentages of Receipts and Establishments for the Self-employed in Ohio's Mining Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

MINING

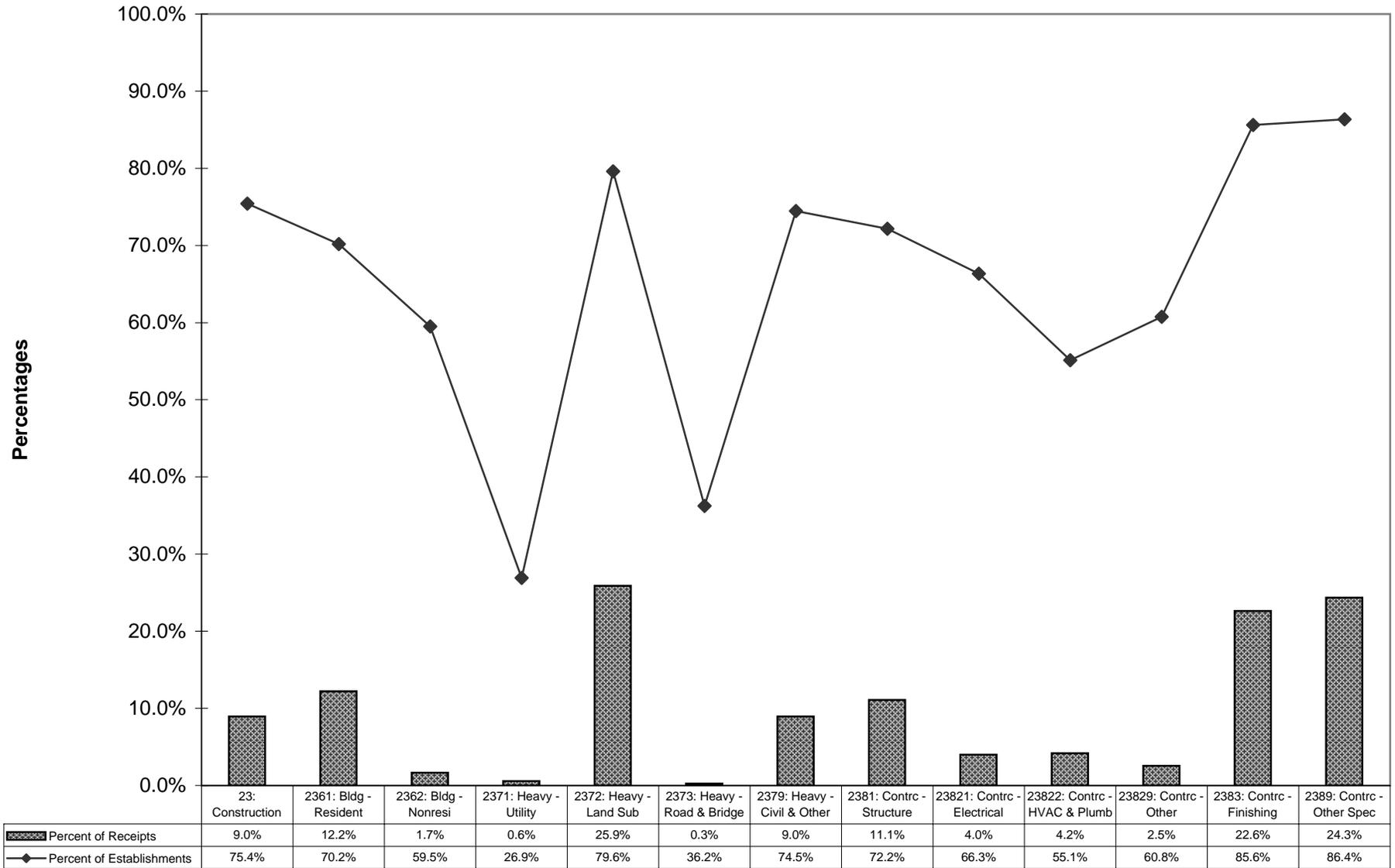
The graph above provides a first glimpse of how different the activities of employers and the self-employed can be. Overall, the self-employed were 81.2% of all mining establishments in Ohio, with 5.3% of sector receipts in 2002. Self-employed activity appears concentrated in the oil and gas sub-sector (NAICS 211). 93.2% of all such establishments had no employees, and garnered 12.0% of all such receipts. Furthermore, data in appendix table A8 show that 3,067 of the 3,356 self-employed establishments in the mining industry are in oil and gas. Unfortunately, the Census Bureau provides no further data to pinpoint exactly where within the sub-sector the activity occurred.

The graph above shows that the self-employed had 100% of establishments and receipts in the metal ores group (2122). However, this dominance is less than it appears. Data in appendix table A8 count only 10 establishments with total receipts of \$352,000. This is a little more than .01% of all mining receipts.

On the other hand, the graph above shows that employers dominate two industry groups within this sector: coal mining (NAICS 2121) and quarrying nonmetallic minerals (2123). The self-employed comprise only 31.0% of establishments and have only 0.1% of receipts in the former, while in the latter they had 19.2% of establishments and 0.7% of receipts. Furthermore, a little less than one-half of support establishments (213) were owned by the self-employed.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Construction Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

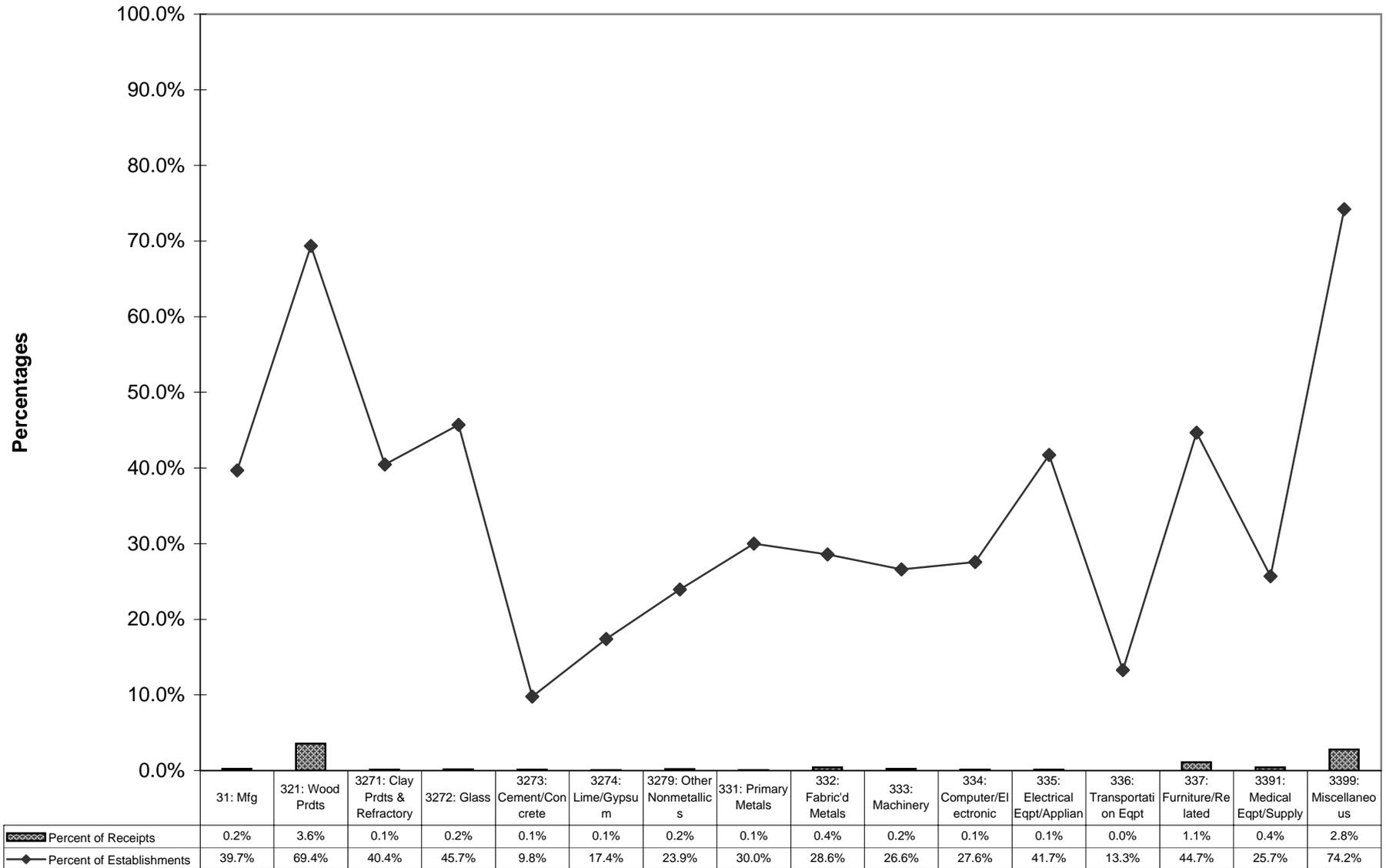
CONSTRUCTION

The construction sector is subdivided into three major industries: constructing buildings (NAICS 236), heavy and civil engineering (237), and specialty trade contractors (238). The graph above shows that self-employed establishments participate to varying degrees in all industries within each sub-sector. Overall, the self-employed were 75.4% of all construction establishments in Ohio, with 9.0% of sector receipts in 2002. Within the buildings sub-sector, self-employed activity plays a relatively larger role in building residences (2361) as opposed to non-residential buildings (2362): 70.2% vs. 59.5% of all establishments and 12.2% vs. 1.7% of receipts. Within the heavy and civil engineering sub-sector, the self-employed are concentrated in land subdivision (2372) with 79.6% of the group's establishments and 25.9% of its receipts. This contrasts with the dominance of employer establishments in the utility (2371) and road and bridge (2373) groups; the self-employed are less than half of the establishments and had less than 1.0% of the receipts. Based on the data for these two major industries, it appears that establishments pursuing bigger projects, which require more capital (*i.e.*, money and/or equipment), are much more likely to have employees. Within the specialty trades sub-sector, the self-employed play relatively larger roles in the building finishing (2383) and other specialty trades (2389) groups; they comprise about 86% of the respective establishments, with between 22% and 25% of the corresponding receipts.

Data in appendix table A8 show that over 63,000 of the nearly 82,500 of self-employed establishments in construction are in specialty trades contractors. In turn, about 41,500 of the 63,000-plus are in the building finishing and other specialty trades groups. Similarly, of the 16,800-plus self-employed in building construction, over 14,500 were in residential building group. These three groups also accounted for about two-thirds of the nearly \$4 billion of receipts of the self-employed.

See Table A8

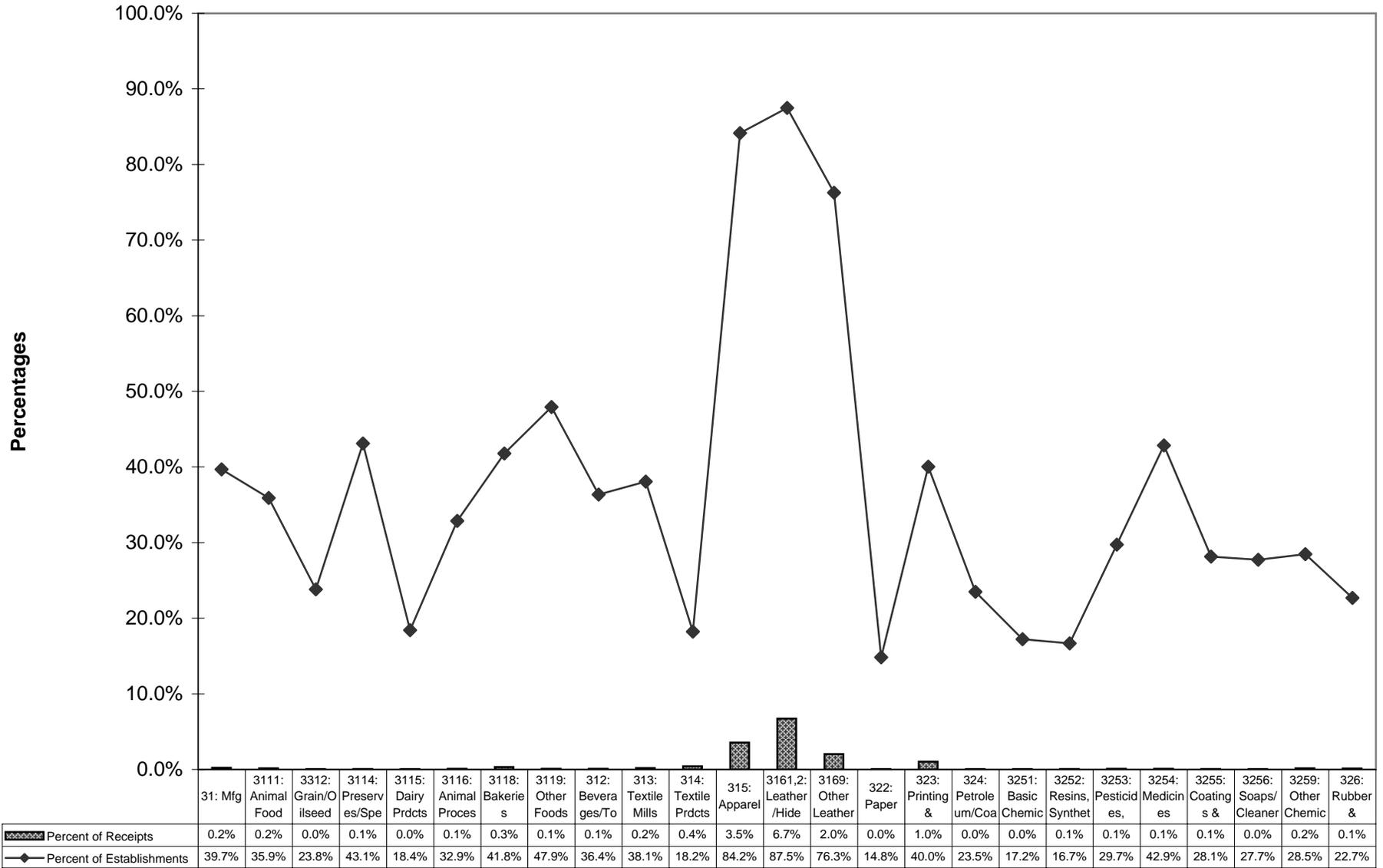
Percentages of Receipts and Establishments for the Self-employed in Ohio's Durable Goods Manufacturing Cluster, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

Percentages of Receipts and Establishments for the Self-employed in Ohio's Non-durable Goods Manufacturing Cluster, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

Note: Data for sugar, candy and seafood manufacturers are incomplete.

MANUFACTURING

Manufacturing is the largest sector in Ohio's economy (Office of Strategic Research, 2006b), and the preceding graphs show that it is dominated by employers. Self-employed establishments comprise about two-fifths of all manufacturing establishments, but pull in just 0.2% of the sector's receipts. The graphs show some variation across the sub-sectors and groups. Notably, there are two in durable goods – wood products (NAICS 321) and miscellaneous manufactures (3399) – and four in non-durable goods – apparel (315), various leather/hide/footwear products (3161, 3162, 3169) – where the self-employed comprise the majority of establishments. Even then, self-employed establishments still account for only 2.0% to 6.7% of the corresponding sub-sector and group receipts.

Data from appendix table A8 show that there were about 11,500 self-employed manufacturing establishments in Ohio, the majority of which were found in just four sub-sectors or groups: wood products (321), printing and related support activities (323), fabricated metals (332), and other miscellaneous manufactures (3339). The collective receipts of these four also account for about three-fifths of self-employed manufacturing receipts. Unfortunately, the Census Bureau has not published data more specific than that.

See Table A8

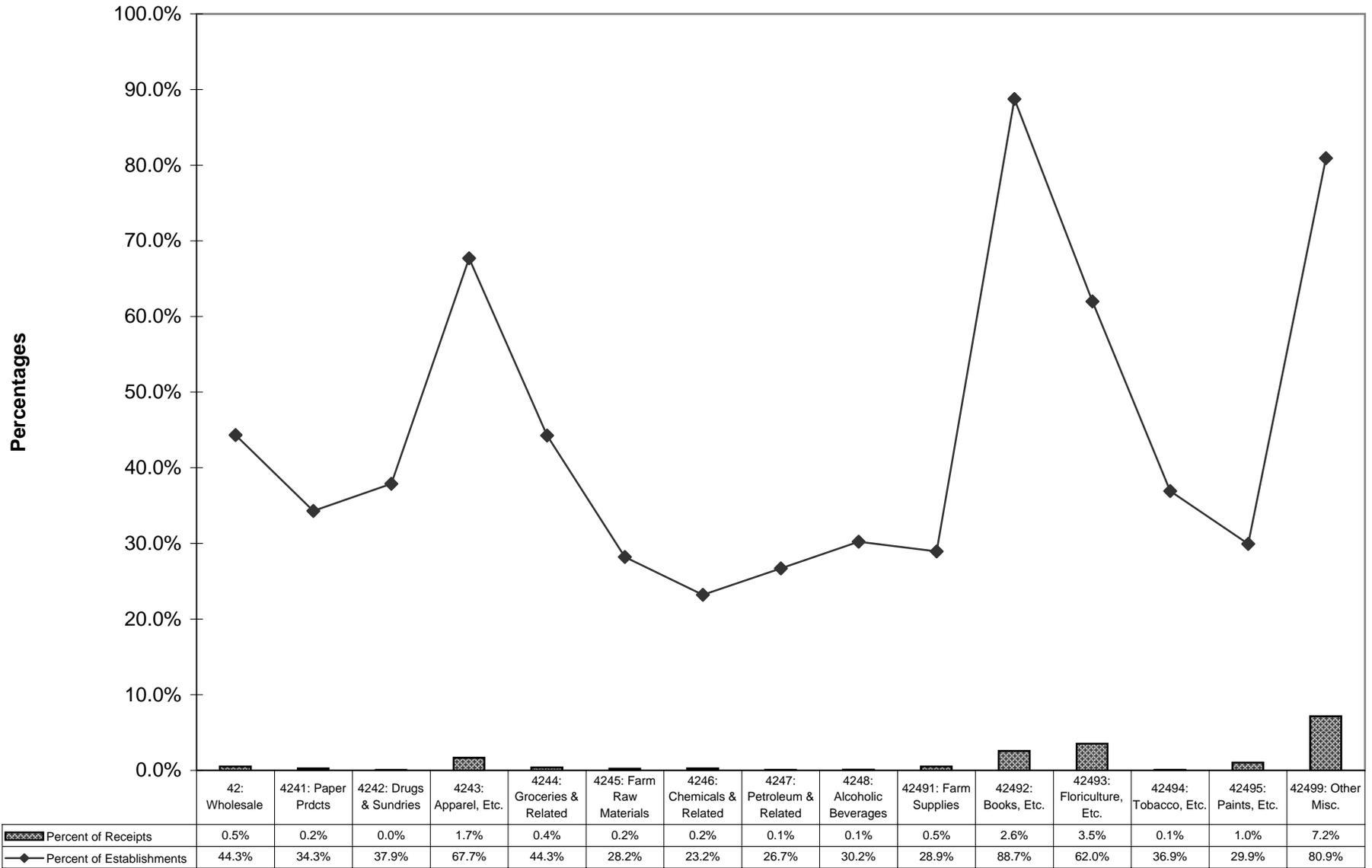
NOTES ON AGRICULTURE, FORESTRY, FISHING AND HUNTING

Economic census data comparing farming receipts of employers and the self-employed with no employees have not been published. Therefore, the proportion of farm production due to self-employment is simply unknown. What is known is that 78.7% of the nearly 77,800 farming establishments in Ohio are self-employed. More such farms focus on crop production (NAICS 111 – over 45,200) than animal production (112 – 32,500-plus). Among those concentrating on crop production, over 38,700 grow oilseeds, grains, and hay (1111 and 11194). Among those concentrating on animal production, cattle (112111) and aquaculture, etc. (1125-9) are the most common endeavors (10,500-plus and 9,300-plus, respectively). The self-employed are either very close to or exceed 80% of all establishments in each of these specific industries. The only agricultural industries wherein employers are about one-half of all establishments are greenhouse-nursery-floriculture production (1114) and tobacco farming (11191).

Other than two summary figures, no economic census data have been published for employers in the forestry, fishing, hunting, and agricultural support cluster (113-115). Those two figures, when compared with the corresponding figures for the self-employed, show that this is the only cluster dominated by the self-employed. The self-employed comprise 92.9% of all such establishments and garner 52.4% of the receipts. The majority of receipts of the self-employed came from forestry and logging (113), with most of the remainder coming from support activities for agriculture (115 – crop dusting, soil preparation, planting, harvesting, sheep dipping, etc.). Fishing, hunting, and trapping (114) are a very small portion of activities in this cluster.

See Table A8

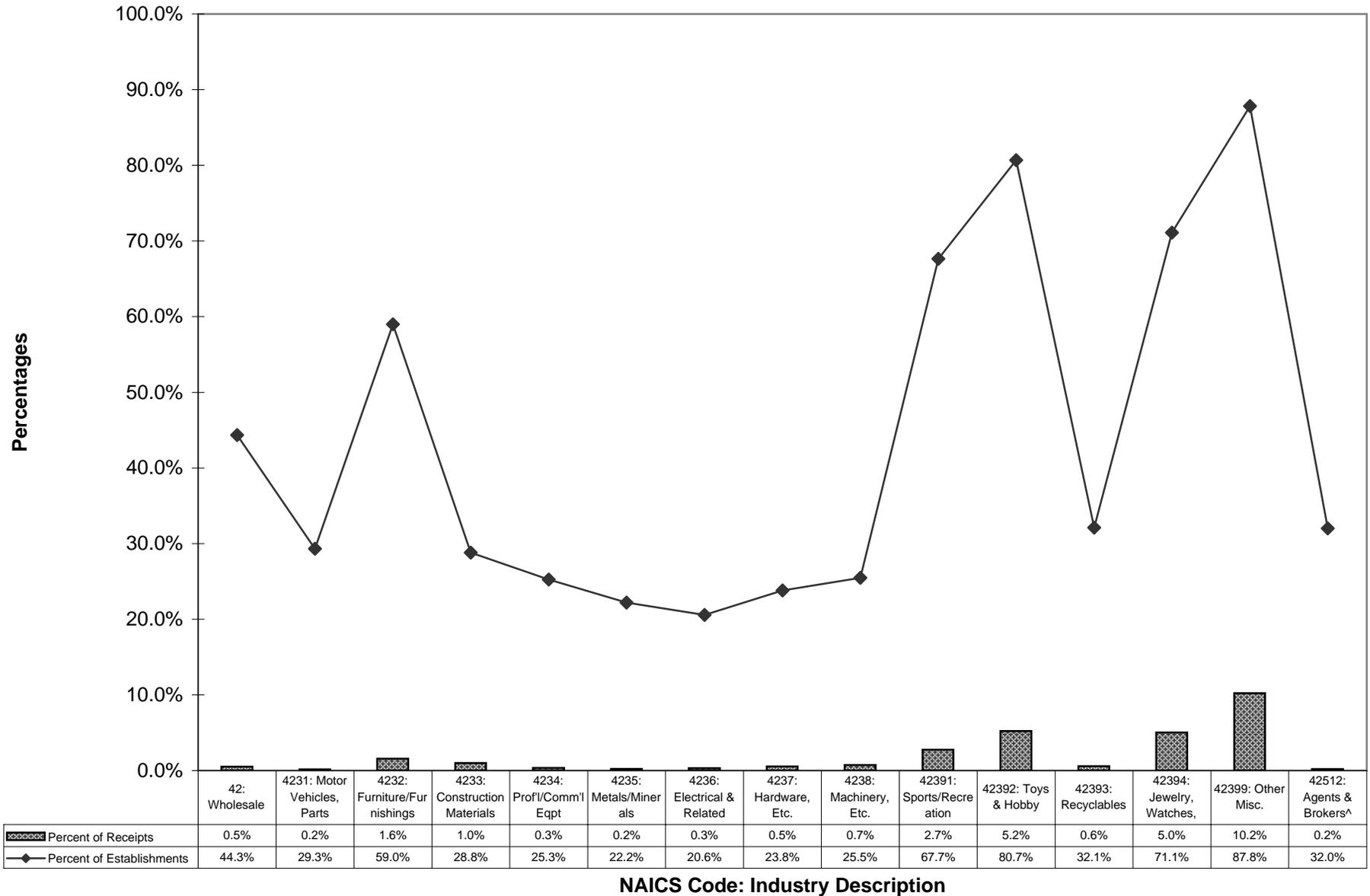
Percentages of Receipts and Establishments for the Self-employed in Ohio's Non-durable Goods Wholesaling Cluster, 2002



NAICS Code: Industry Description

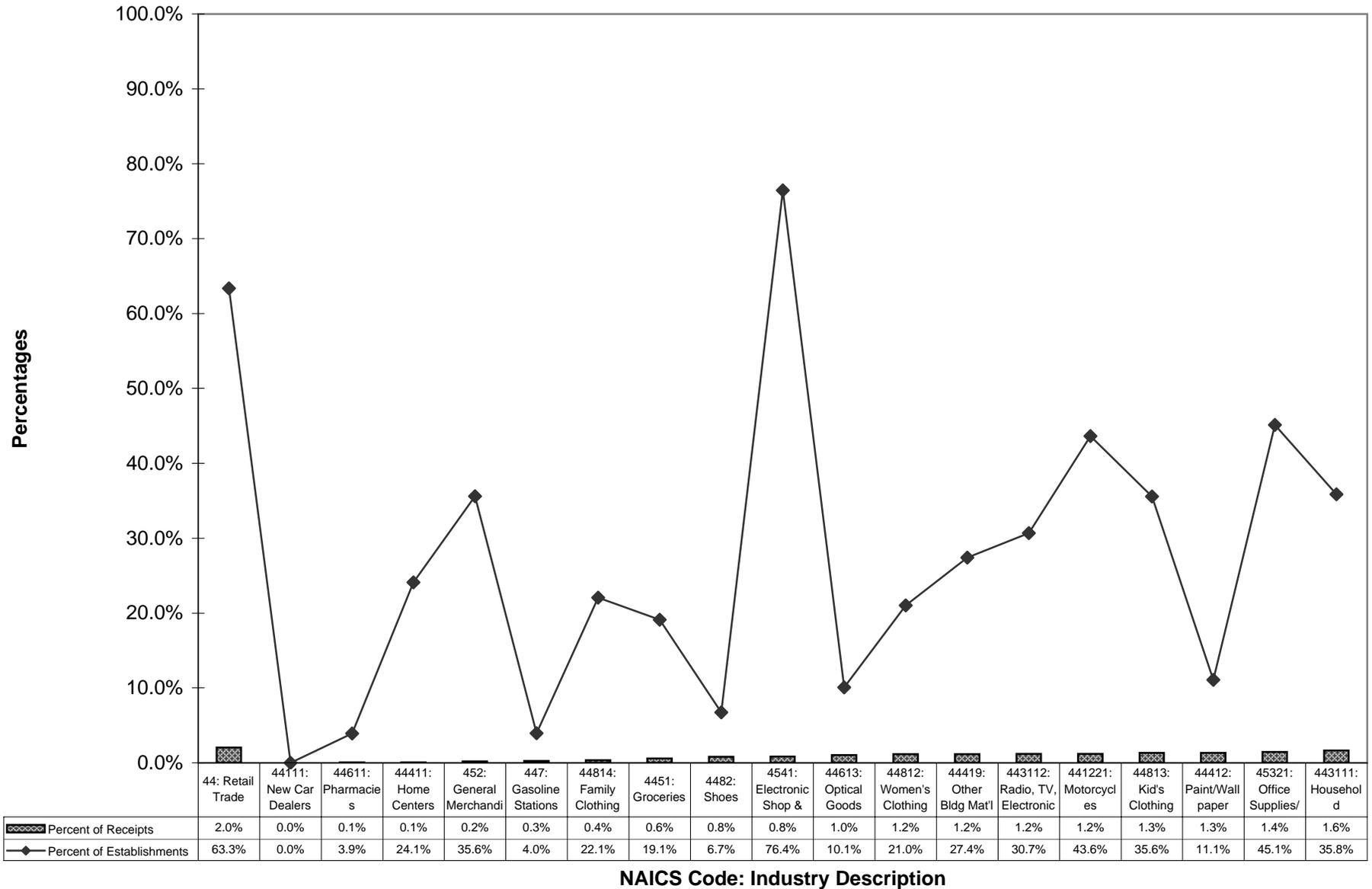
Source: U.S. Census Bureau

Percentages of Receipts and Establishments for the Self-employed in Ohio's Durable Goods Wholesaling Cluster, 2002



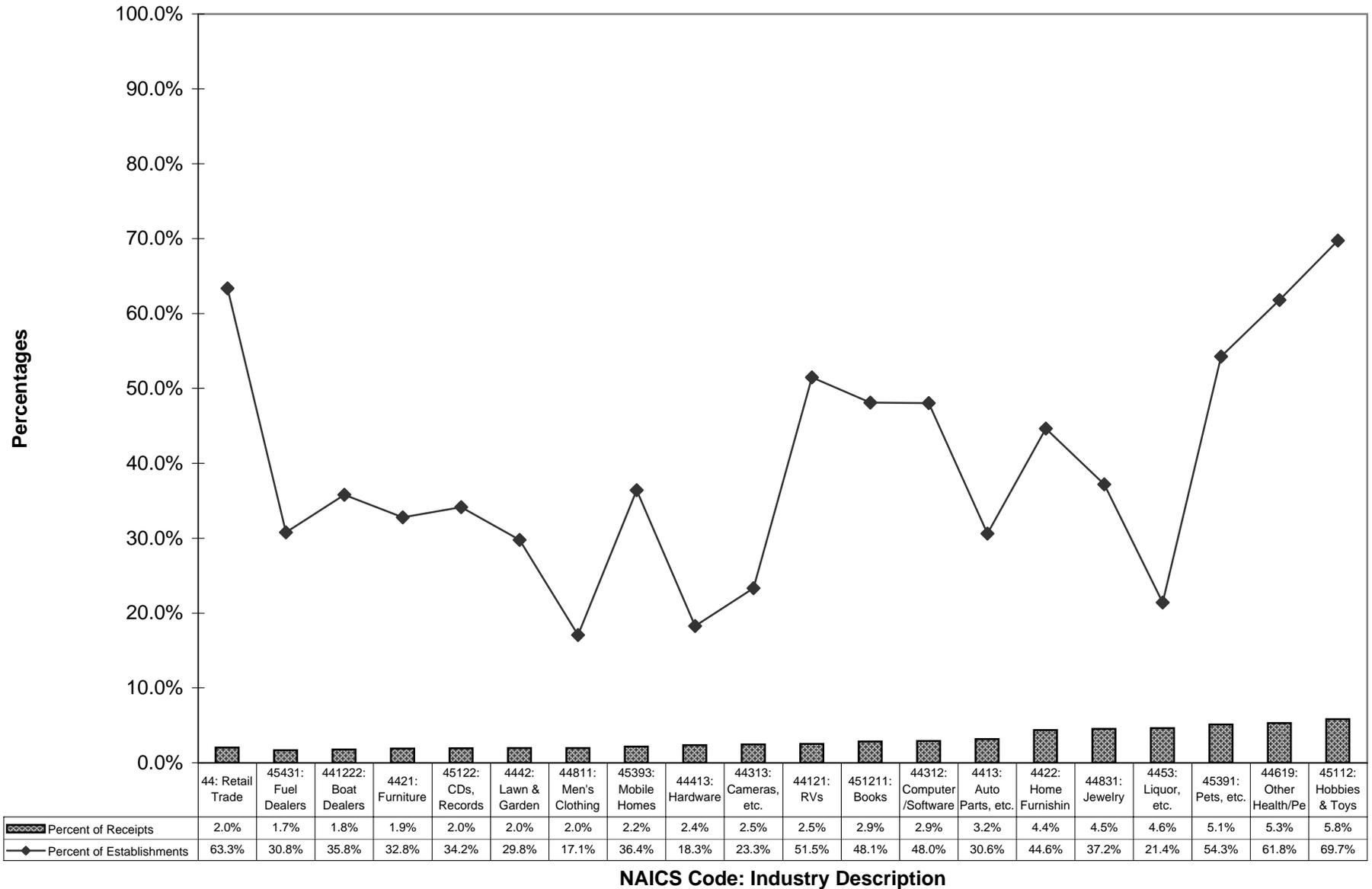
Source: U.S. Census Bureau

Percentages of Receipts and Establishments for the Self-employed in Ohio's Retail Sector, 2002 (pt. 1)



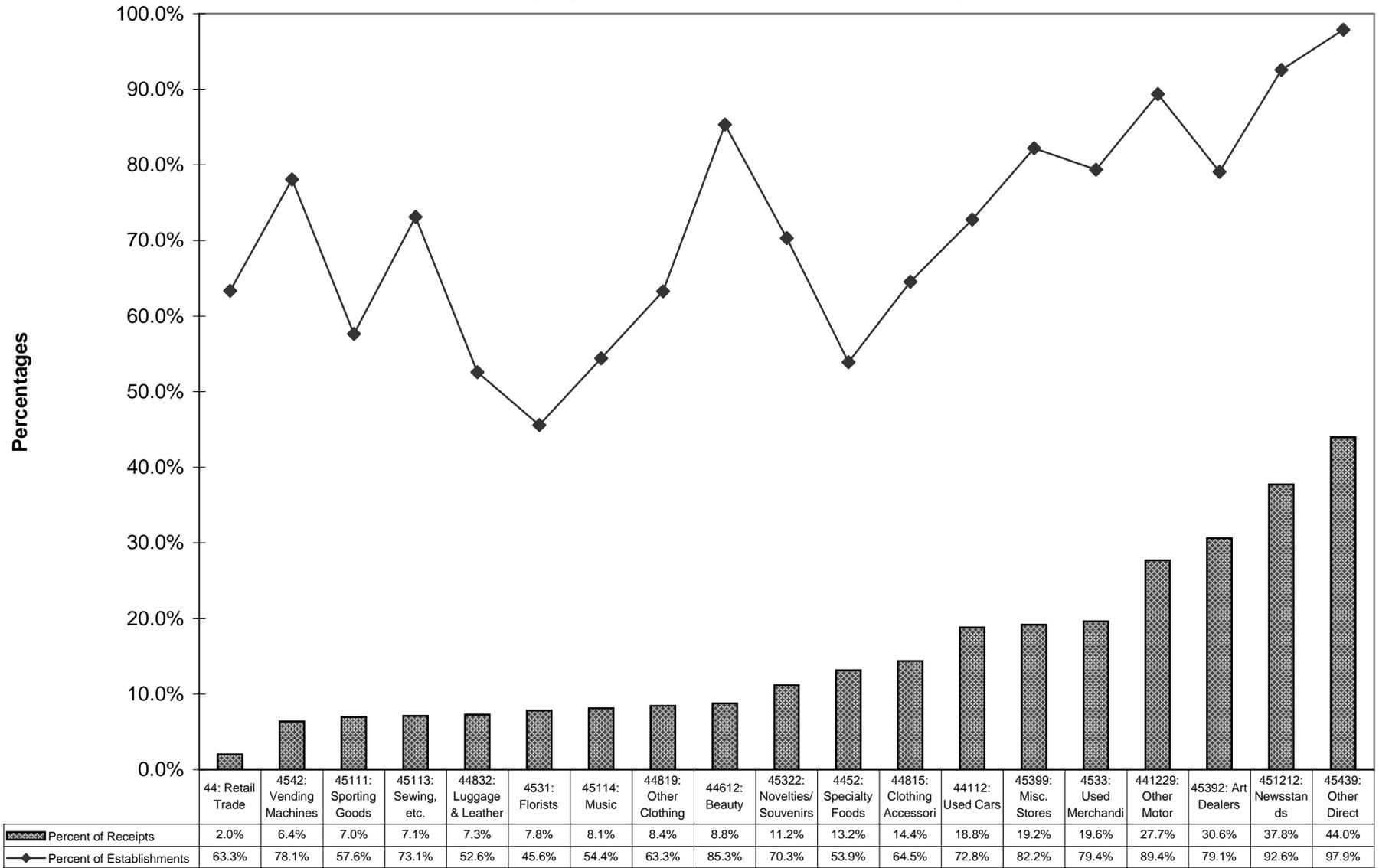
Source: U.S. Census Bureau

Percentages of Receipts and Establishments for the Self-employed in Ohio's Retail Sector, 2002 (pt. 2)



Source: U.S. Census Bureau

Percentages of Receipts and Establishments for the Self-employed in Ohio's Retail Sector, 2002 (pt. 3)



NAICS Code: Industry Description

Source: U.S. Census Bureau

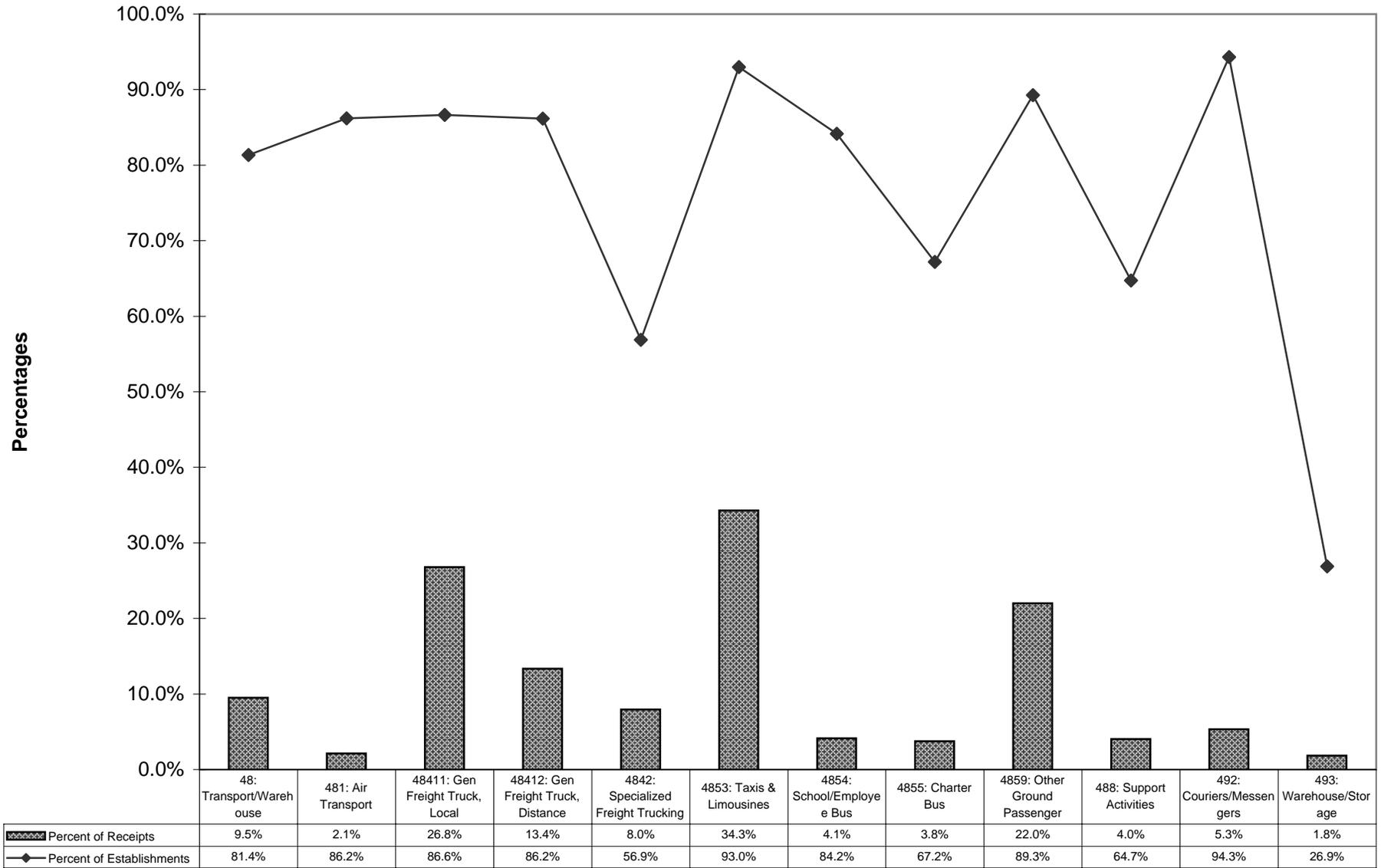
WHOLESALE AND RETAIL TRADE

The wholesale and retail trade sectors are a study in contrasting shades of gray. On one hand, the wholesale sector is dominated by employers. The self-employed with no employees are in the minority – 44.3%, and, overall, they have just .5% of the sector’s receipts. The first two graphs of the preceding five show that there are exceptions. Wholesalers of durable goods such as furniture and furnishings (NAICS 4232) toys and hobbies (42392), jewelry, etc. (42394) and other miscellany (42399) are the majority of their industries, but collect no more than 10.2% – in fact, usually much less – of the corresponding industry receipts. Wholesalers of non-durable goods are similar. The self-employed in apparel (4243), books (42492), floriculture (42493) and other miscellany (42499) are in the majority, but get no more than 7.2% of their corresponding industry receipts. Data from appendix table A7 show that 3,886 of the 12,742 – i.e., 30.5% – self-employed in the sector deal in other miscellaneous durable (42399) and non-durable (42499) goods.

On the other hand, the last three graphs of the preceding five show that about five of every eight retail (44-45) establishments have no employees. Still, self-employed retailers collect only 2.0% of the sector’s total receipts. The variation among specific industries, though, is great. The last three graphs are organized to present the range of variation. At one extreme (on the left in part 1), it is evident that new motor vehicle dealerships (44111) is the exclusive province of employer establishments. At the other extreme (on the right in part 3), the self-employed account for 97.9% of all other direct sellers (45439) and 44.0% of the industry’s receipts. 35,561, or 48.7%, of the 73,081 self-employed retail establishments in 2002 were all other direct sellers.⁴ Other retail industries wherein the self-employed have between 10% and 40% of the receipts include novelties and souvenirs (45322), specialty foods (4452), clothing accessories (44815), used cars (44112), miscellaneous stores (45399), used merchandise (4533), dealers in aircraft, golf carts, snowmobiles, etc. (441229), art dealers (45392), and newsstands (451212).

See Table A8

Percentages of Receipts and Establishments for Selected Self-employed in Ohio's Transportation and Warehousing Sector, 2002



Source: U.S. Census Bureau

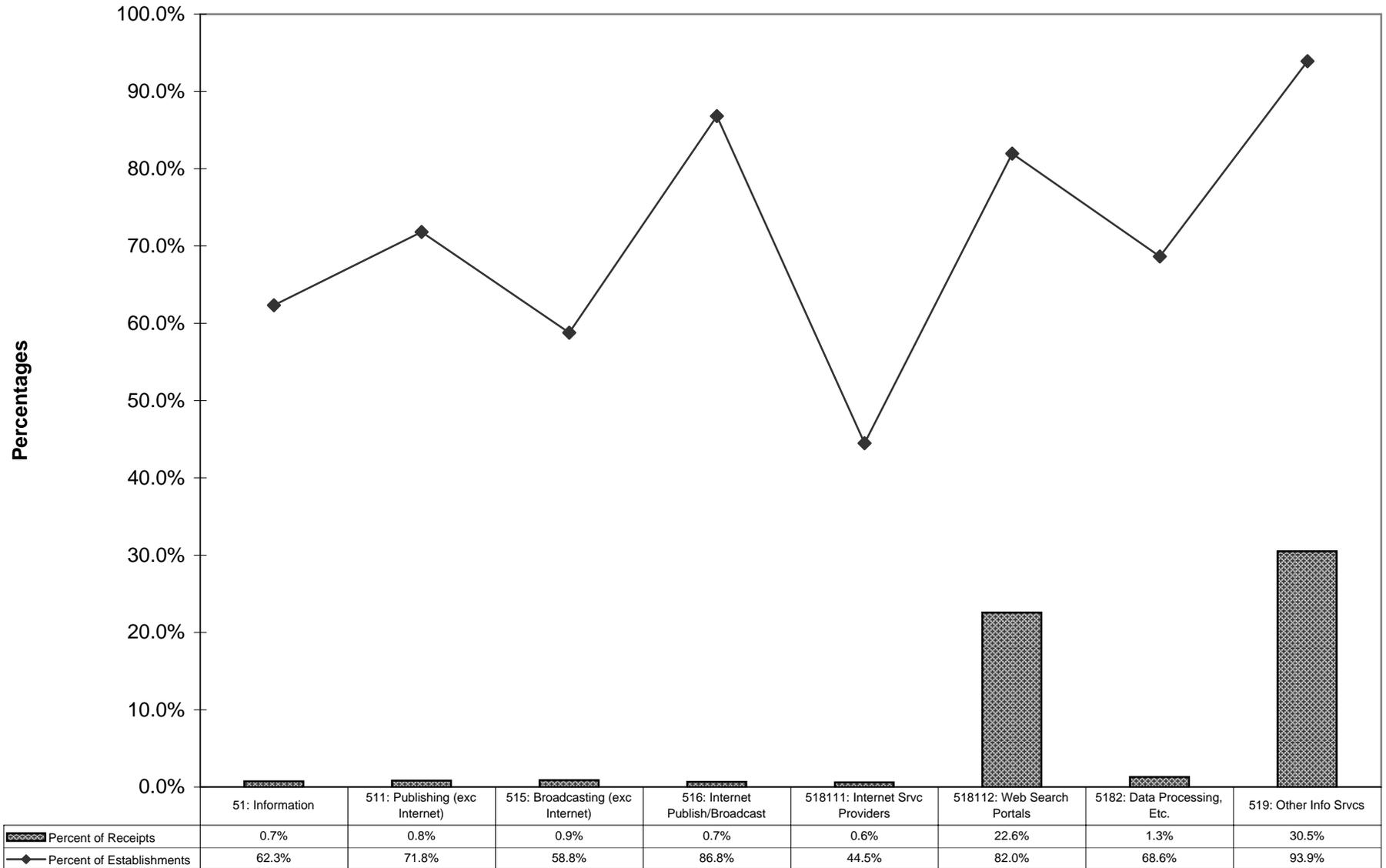
TRANSPORTATION AND WAREHOUSING

The graph above shows that the transportation and warehousing sector has higher-than-average portions of both establishments with no employees – 81.4% – and total receipts going to the self-employed – 9.5%.⁵ There is, of course, variation between the sub-sectors and industries. Industries in which the self-employed have more than 10% of the total receipts include general freight trucking – local and long distance (NAICS 48411 and 48412), taxis and limousines (4853), and other ground transportation (e.g., shuttles – 4859).

Data from appendix table A8 show that there were over 32,500 transportation-warehousing establishments in Ohio with no employees. The majority of those establishments – 17,000 – were in general freight trucking (4841). This one group also accounts for 70.3% of all self-employed receipts in the sector. Although there are more courier and messenger (492) self-employed establishments than local general freight trucking – 6,400-plus vs. less than 6,100, the latter garner nearly three times the receipts of the former.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Information Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

INFORMATION

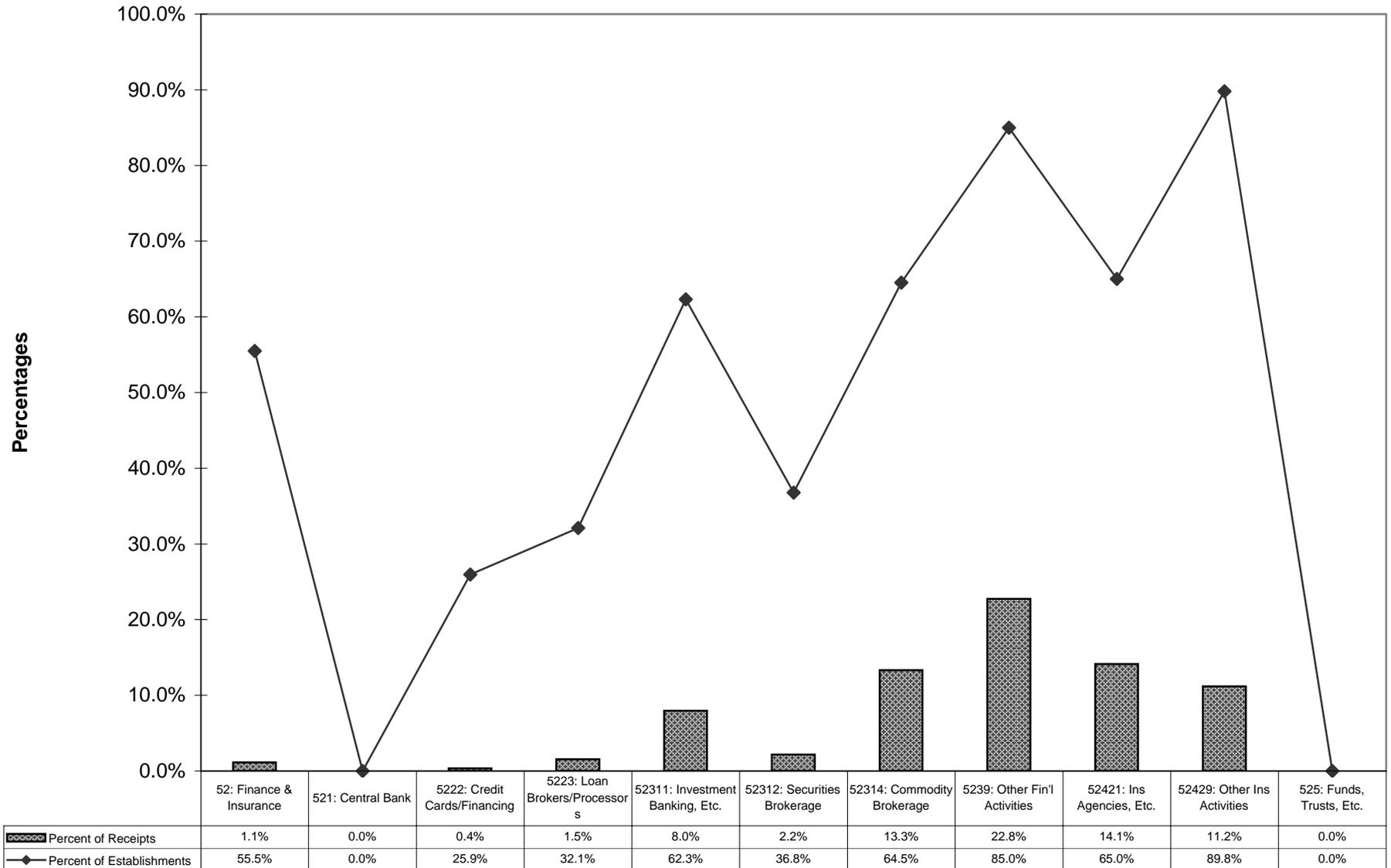
The graph above shows that five of every eight establishments in the information sector have no employees, but the self-employed collect less than 1% of sector receipts. These figures are similar to the summary figures for the retail sector; and like the latter, variations are evident across sub-sectors and industries. Most notably, the self-employed comprise almost 94% of other information services (NAICS 519) establishments and collect 30.5% of sub-sector receipts, while 82% of web search portal (518112) establishments are self-employed whose share of industry receipts is 22.6%. Other information services include news syndicates, libraries, archives, news clipping services, stock photo agencies, and telephone information services, industries in which digital technologies may play a less critical role. Web search portals is a very small industry. These contrast with other sub-sectors and industries where the self-employed are proportionately fewer – except for internet publishing and broadcasting (516) – and garner at most 1.3% of the corresponding receipts.

What is evident by their absence from the graph is the impact of the telecommunications (517) and motion picture and sound recording (512) sub-sectors. Receipt data for the nearly 2,200 employer establishments has not been published, but is estimated at well over \$11 billion. The corresponding receipts of the almost 1,700 self-employed establishments amount to just under \$46 million – roughly .4% of the corresponding receipts. It is the impact of these combined sub-sectors – probably telecommunications more than motion picture and sound recording – that further drives the overall sector figures for the self-employed so low.

Unlike the retail sector, though, no one industry dominates the self-employed segment of the information sector. Of well over 6,900 sector establishments, the 2,500-plus are in publishing (511) – both print (5111) and software (5112) – comes closest at 36.2%. The corresponding receipts of nearly \$48 million amount to 30% of all self-employed sector receipts.

See Tables A7 & A8

Percentages of Receipts and Establishments for Selected Self-employed in Ohio's Finance and Insurance Sector, 2002



NAICS Codes: Industry Descriptions

Source: U.S. Census Bureau

FINANCE AND INSURANCE

There are five sub-sectors within the finance and insurance sector, but the self-employed with no employees are active in only three: credit intermediation⁶ and related activities (NAICS 522), securities, commodity contracts, etc. (523), and insurance carriers and related activities (524). The remaining two with only employer establishments are central bank offices (521) and the operations of funds, trusts and other financial vehicles (525); they are seen above as “bookends” to the industries with self-employed establishments.⁷

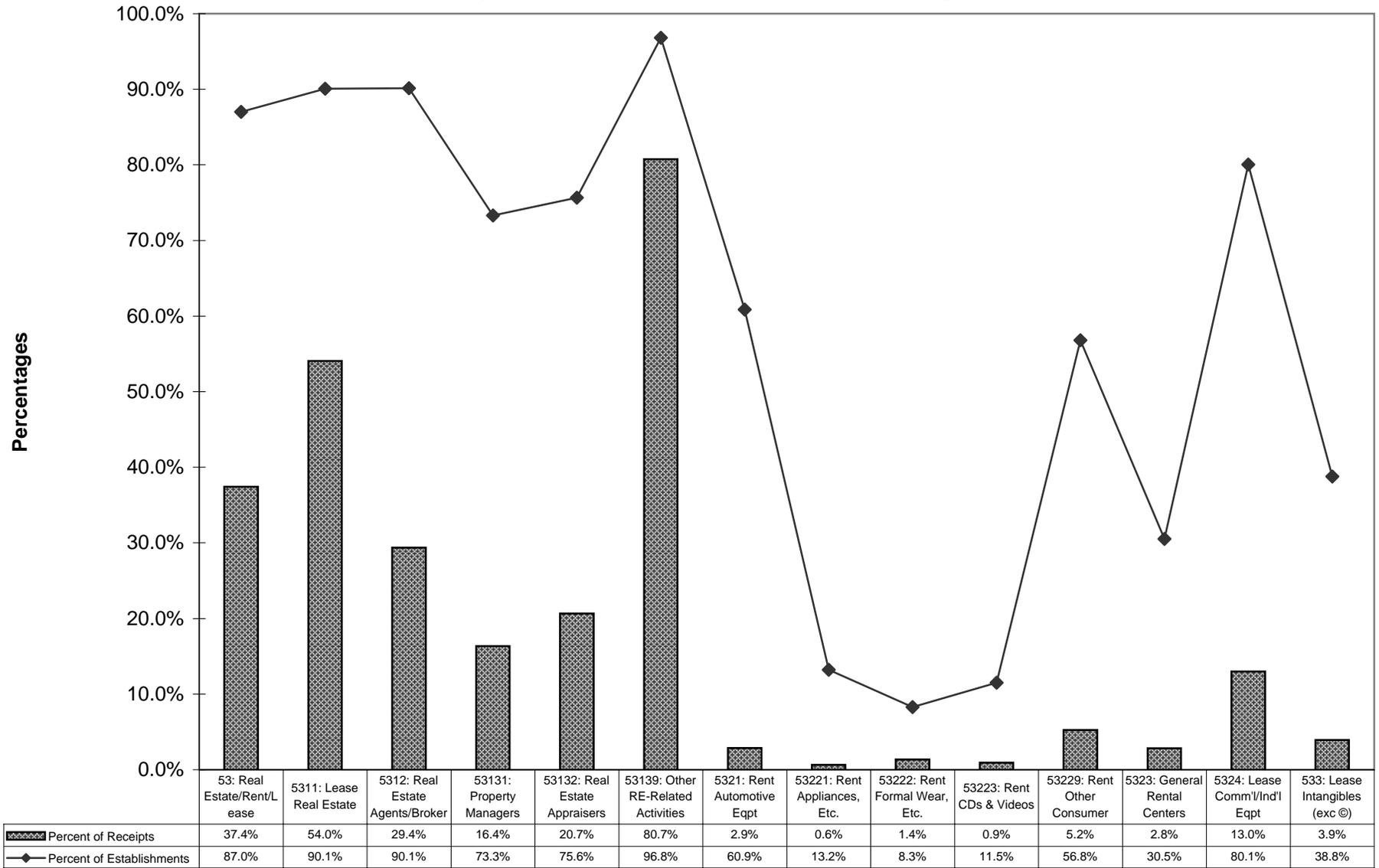
The graph above shows the extent of self-employed activities in the three sub-sectors varies widely. Credit intermediation is dominated by employer establishments. The self-employed are in the minority and pull in no more than 1.5% of any industry’s receipts. On the other hand, the self-employed play larger roles in parts of securities, commodity contracts, etc., and insurance. With the exception of securities brokerage (52312), which is dominated by employers, the self-employed play notable roles in commodity brokerage (52314) and other financial activities (5239) – each with at least five-eighths of the establishments and over 13% of the industry receipts. Their role in investment banking (52311) is greater than one might initially guess. The self-employed also comprise at least five-eighths of insurance agency (52421) and other insurance (52429) establishments and collected over 11% of these industries’ receipts.

Data in table A8 show that of the 21,900-plus self-employed establishments in this sector, over 19,500 – 89.1% – worked in just three industries: insurance agencies, other insurance, and other financial activities. The same establishments also took in 85.5% of all self-employed sector receipts.

The data shown above and in table A8 do not provide a complete picture of activity in this sector because both employer and self-employed data have been suppressed in various industries. In particular, employer receipts for depository credit intermediation (5221) and insurance carriers (5241) are huge and missing. Employer establishments in both industries comprise over 95% of all such establishments. Self-employed data have been suppressed for commodity contracts dealing (52313) and security and commodity exchanges (5232), two very small industries in Ohio.

See Tables A7 & A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Real Estate-Rental-Leasing Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

REAL ESTATE, RENTAL, AND LEASING

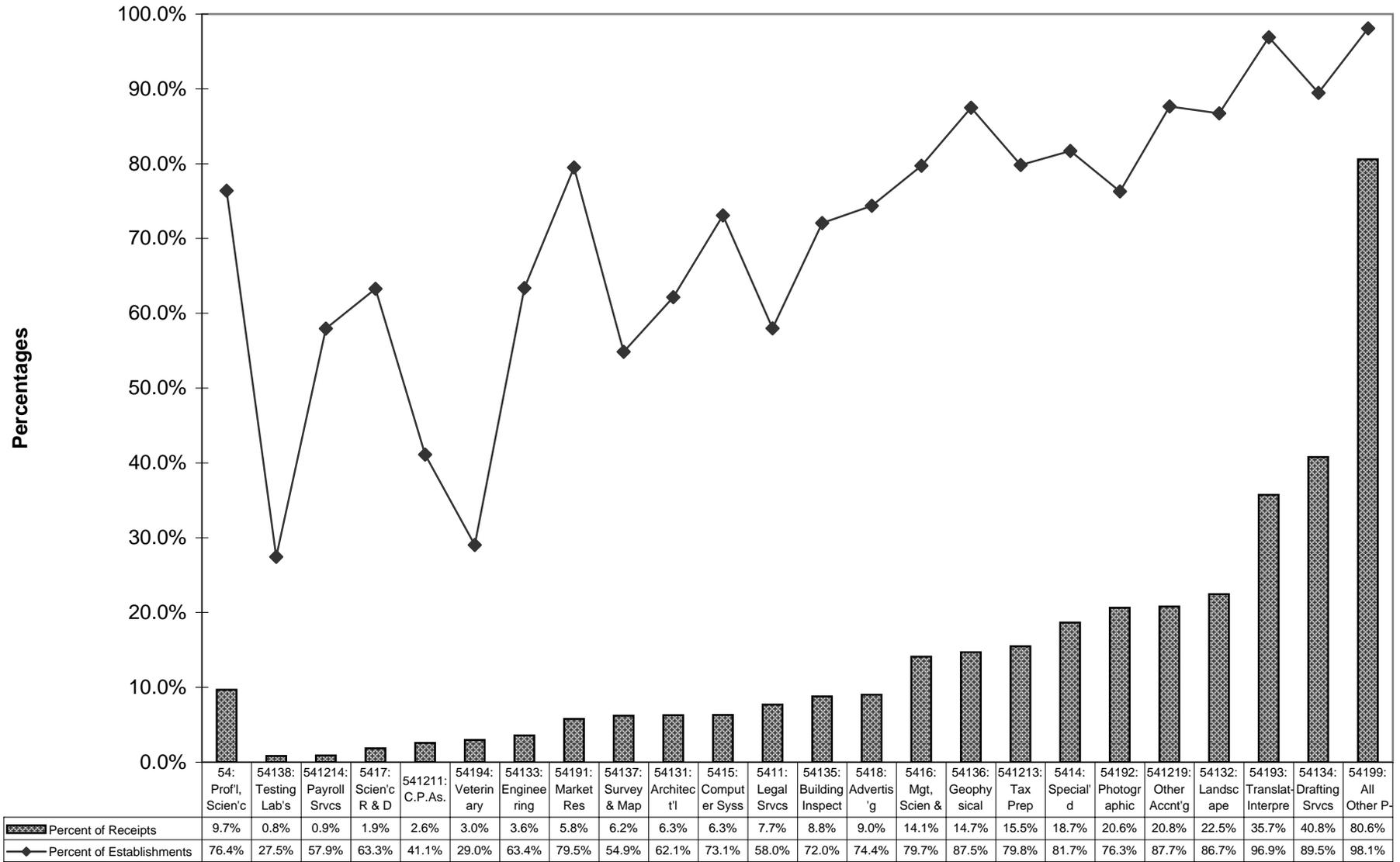
Real estate operations (NAICS 531) are the major part of activity in this sector, as judged by the number of establishments and amount of receipts. The graph above illustrates significant – even dominant – roles played by the self-employed with no employees. Most notably, the self-employed are the overwhelming majority of lessors of real estate (5311) and those engaged in other real estate activities (53139 – e.g., escrow, listings) and collect the majority of receipts. The self-employed also are the majority of real estate agents and brokers (5312), property managers (53131), and appraisers (53132), and collect between 16% and 30% of the respective industry receipts.

This stands in marked contrast to the rental and leasing services sub-sector (532). The graph above shows that the self-employed are the majority of establishments renting or leasing to customers automotive (5321) and commercial or industrial (5324) equipment, as well as other consumer goods (53229 – e.g., furniture, party supplies), but only in commercial or industrial equipment do receipts amount to more than 10% of the industry totals. Indeed, establishments renting-out consumer electronics and appliances (53221), formal wear and costumes (53222), and CDs/videos (53223), as well as general rental centers (5323), are overwhelming employers. The self-employed garner less than 3% of the corresponding industry receipts. Establishments leasing non-financial intangible assets (except copyrighted works – 533) such as patents, trademarks and franchises are dominated by employers.

Data in table A8 show that 95.7% of the self-employed in the sector are in real estate. The same establishments also collect 96.7% of self-employed sector receipts. Most of the tiny remainder is in rental and leasing services.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Professional-Scientific-Technical Services Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES

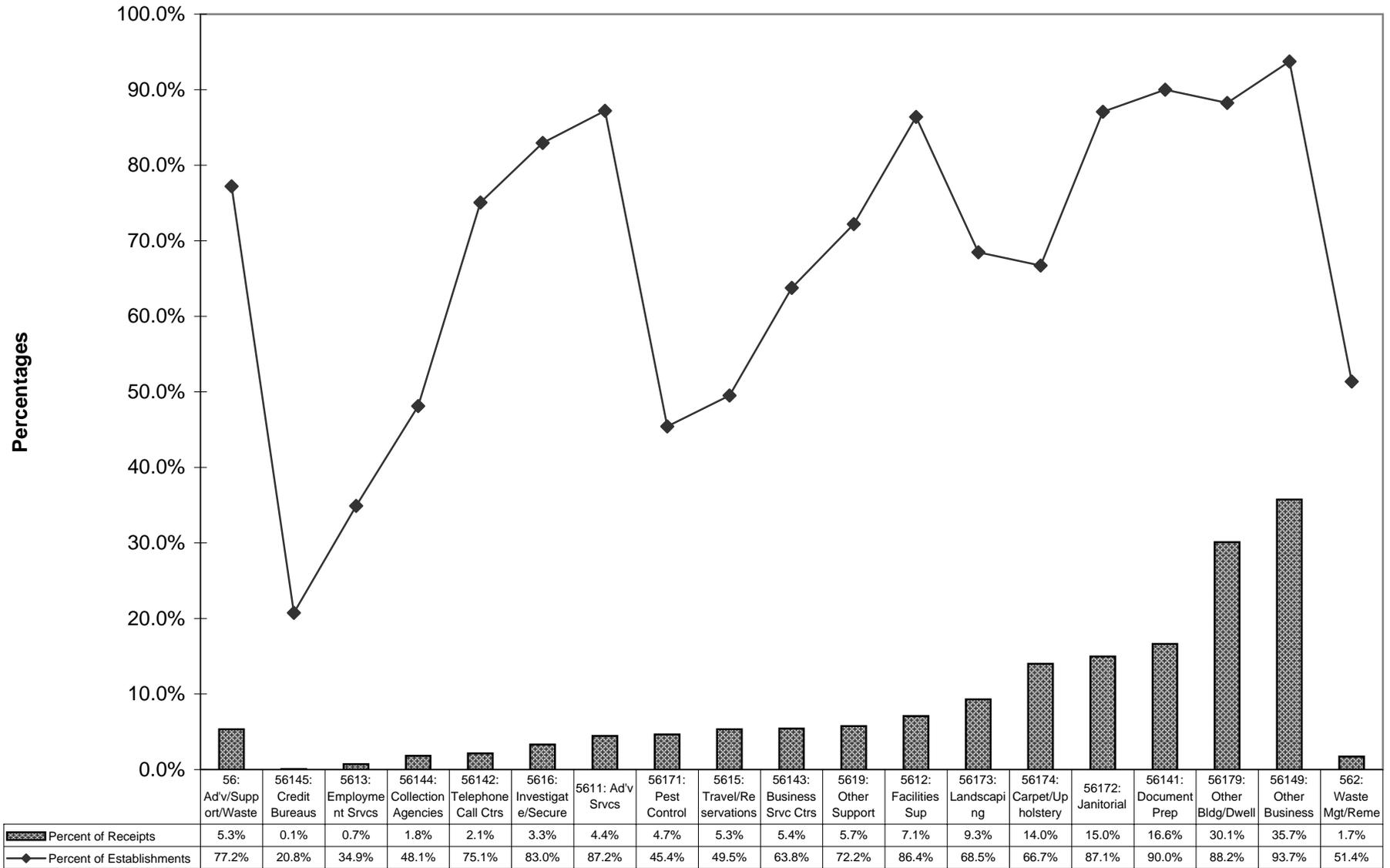
The employer vs. self-employed profile of the professional-scientific-technical (PST) services sector resembles that of the retail sector in the variation of its constituent industries. Overall, about three-fourths of the sector establishments are self-employed with no employees, and collect 9.7% of the sector receipts. However, the graph above shows that in some industries – testing labs (NAICS 54138), CPAs (541211), and veterinary services (54194) – the self-employed are in the minority. In those industries and others – payroll services (541214) and scientific research and development (5417) – the self-employed had 3.0% or less of the respective industry receipts.

At the other end of the spectrum, all other PST services (54199) is dominated by the self-employed. They are 98.1% of all such establishments and garner 80.6% of industry receipts. (Establishments in this industry do appraisals (except real estate), arbitration and conciliation (except legal and paralegal), counsel consumers on credit, forecast weather, market patents, and inspect power lines, pipelines, and commodities, etc.) Other industries in which the self-employed collect at least 10% of the receipts include management, scientific, and technical consulting services (5416), geophysical surveying and mapping (54136), tax preparation (541213) and other accounting services (541219), specialized design (industrial, interior, graphics, etc. – 5414), commercial/industrial/portrait photography (54192 – excludes art, photo-processing, finishing, and journalists), landscape architects (54132), translators/interpreters (54193), and drafting services (54134). The self-employed are the majority – if not always the overwhelming majority – of establishments in these industries.

The PST sector is diverse, and participants are more-or-less evenly spread throughout. No single group or industry is close to being either the majority of establishments or collecting most of the receipts. This is true of employers and the self-employed.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Administrative-Support-Waste Management Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

ADMINISTRATIVE-SUPPORT AND WASTE MANAGEMENT AND REMEDIATION

The employer vs. self-employed profile of the administrative and support sub-sector (NAICS 561) is like many others. The graph above shows the variation of the groups and industries that comprise it. On one hand, a few industries and groups are dominated by employers. These include credit bureaus (56145), employment services (*i.e.*, agencies and temporary help – 5613), collection agencies (56144), and pest control (56171). Self-employed establishments are in the minority; collectively they have less than 5% of the respective industry receipts.

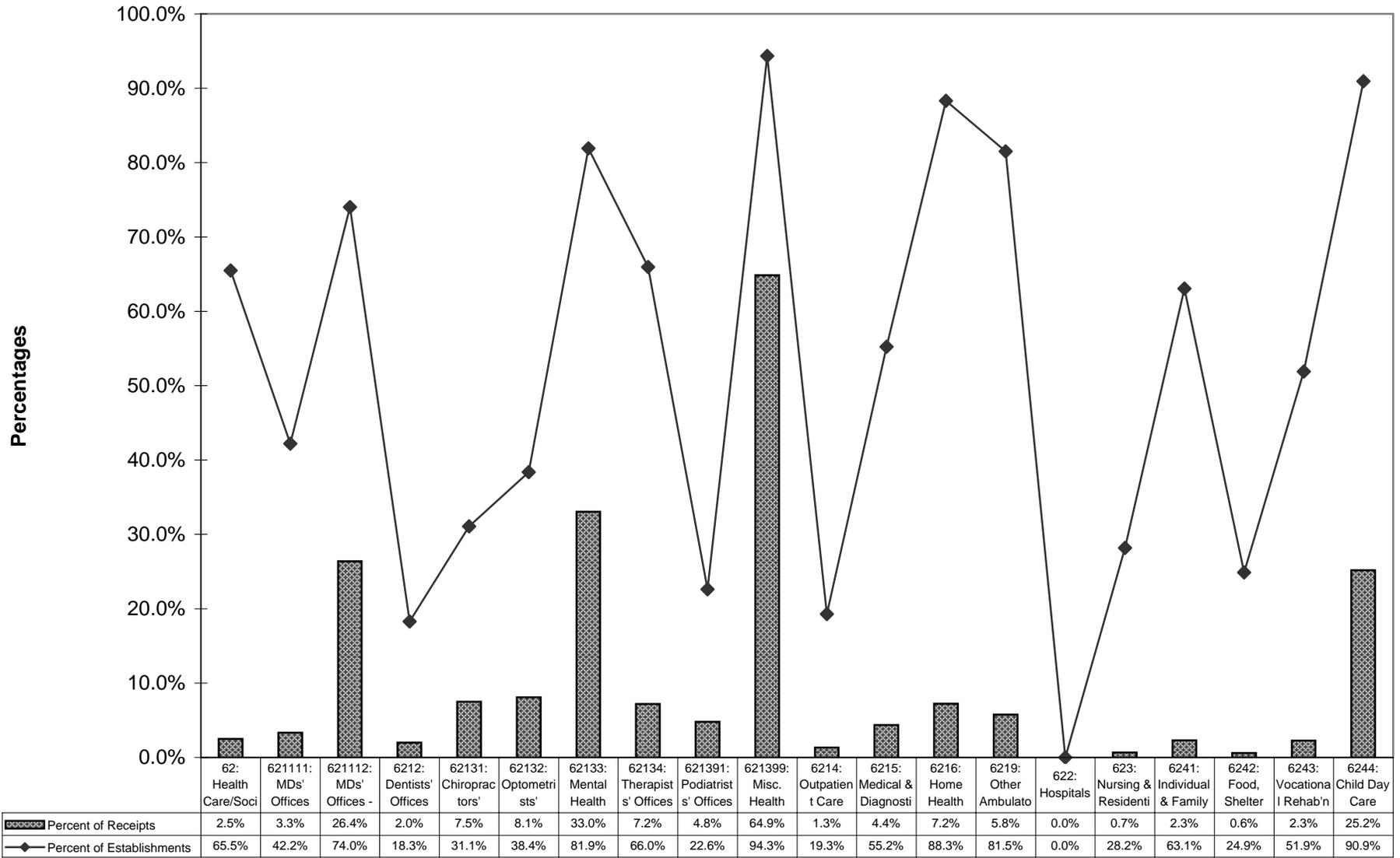
More commonly, the self-employed are the majority of industry establishments. Industries in which the self-employed have at least 10% of the receipts include carpet and upholstery cleaning (56174), janitorial services (56172), other building and dwelling services (56179), document preparation (56141), and other business support services (bar coding, fund-raising, mail presorting, repossession – 56149). In no industry, though, do the self-employed garner the majority of receipts.

About five or every nine of the self-employed in the administrative and support sub-sector provide services to buildings and dwellings (5617). The group garners nearly the same proportion of receipts. However, no industry within the group is even close to dominating the sub-sector.

Just over one-half of the establishments in waste management and remediation services (562) have no employees, but they collect less than 2% of the sub-sector receipts. More specific information has not been published.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Health Care-Social Assistance Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

HEALTH CARE AND SOCIAL ASSISTANCE

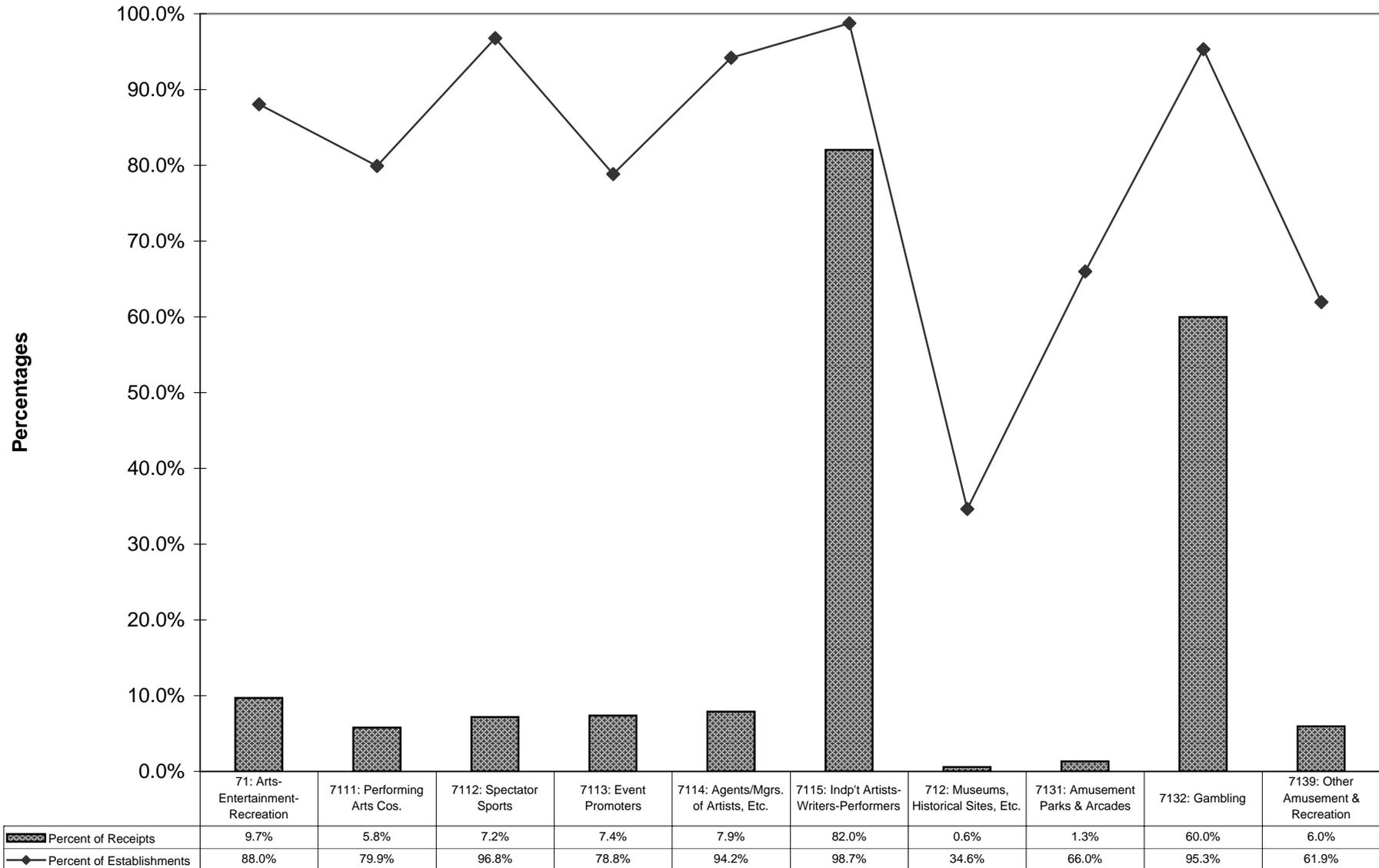
Three of the four sub-sectors in health care and social assistance focus on healthcare. The graph above shows that of those three, the self-employed data are detailed only for ambulatory care (NAICS 621). The self-employed dominate among miscellaneous health care practitioners (621399) with 94.3% of the establishments and 64.9% of receipts. These are the independent acupuncturists, dietitians, dental hygienists, denturists, nurses, hypnotherapists, inhalation therapists, mid-wives, and naturopaths. The self-employed also play notable roles in psychiatry and psychoanalysis (621112) and other mental health practitioners (62133); they are the majority of establishments and collect one-fourth and one-third of the respective industry receipts. In other industries, the self-employed may be the majority of establishments, but they receive less than 10% of the corresponding industry receipts. This last set includes medical and diagnostic labs (6215), home health care (6216), and other ambulatory services (6219 – ambulances, blood and organ banks, health screenings outside of practitioners' offices, and smoking cessation programs). Employers comprise the majority of establishments and garner most of the corresponding receipts for the offices of MDs (621111), dentists (6212), chiropractors (62131) optometrists (62132), podiatrists (621391), and outpatient clinics (6214).⁸ Employers also dominate the nursing and residential care sub-sector (623), but no more-specific data on the self-employed have been published. Apparently all hospitals (622) are employers.

Among the four groups in the social assistance sub-sector, the self-employed have the greatest impact in child day care (6244) – they amount to 90.9% of the establishments and take-in 25.2% of the group's receipts. The self-employed also are the majority of establishments in individual and family services (6241) and vocational rehabilitation (6243); however, they each collect only 2.3% of the corresponding industry receipts. Employers dominate the food-housing emergency and relief services (6242).

There are 50,100-plus self-employed establishments in the sector; over 21,800 of them – 43.6% – are child day centers, but they garner only 20.2% of sector self-employed receipts. Other groups with at least over 5,000 self-employed establishments include physicians (6211), other health care practitioners (6213), and home health care services (6216).

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Arts-Entertainment-Recreation Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

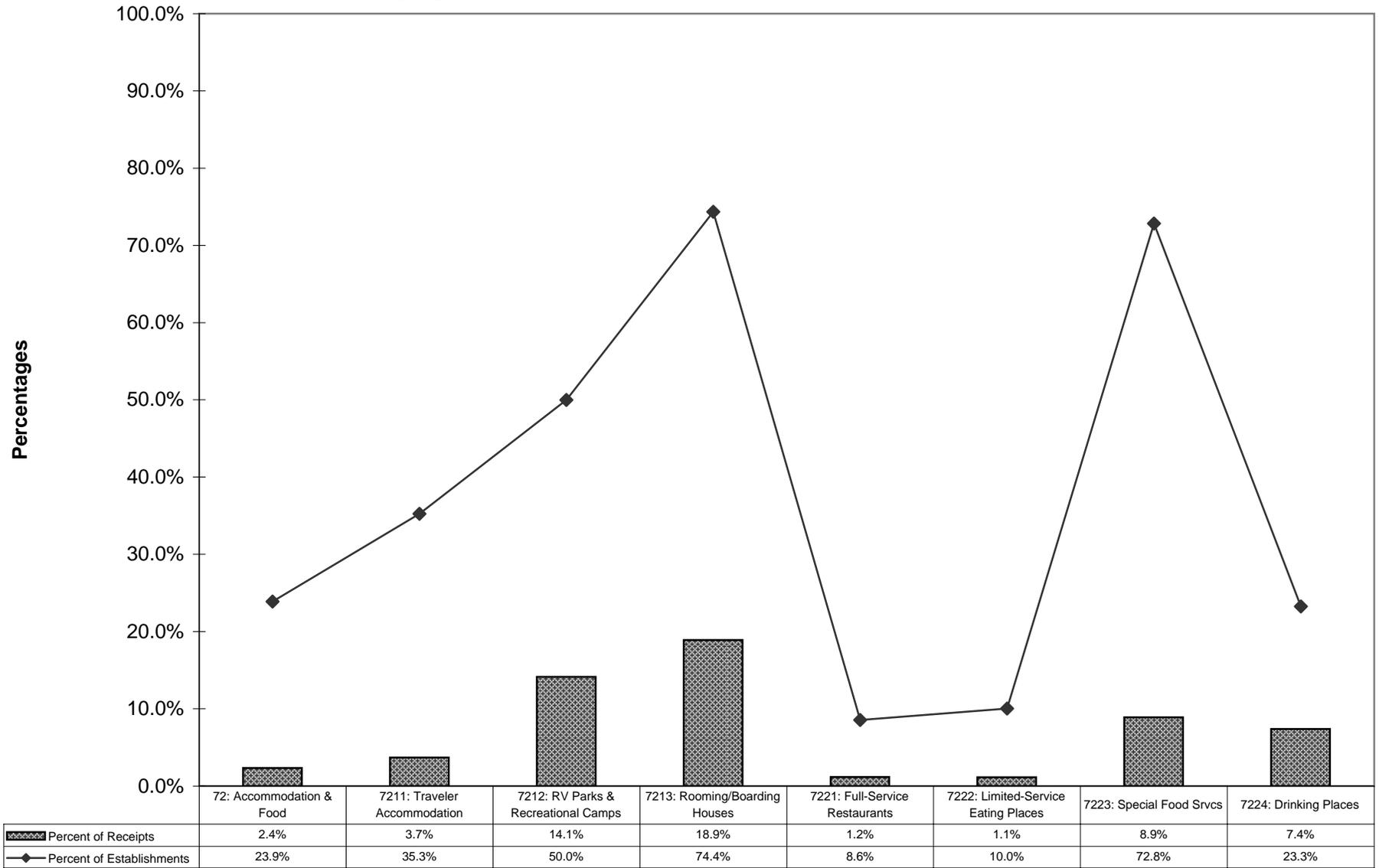
ARTS-ENTERTAINMENT-RECREATION

The graph above shows that the self-employed with no employees comprise the vast majority of establishments in most groups within the arts-entertainment-recreation sector (NAICS 71), yet typically receive less than 10% of the corresponding group receipts. The two notable exceptions are independent artists-writer-performers (7115) and gambling (7132), in which the self-employed also get most of the receipts. Independent artists-writers-performers include, among others, actors, art restorers, artists (except musical, commercial, or medical), cartoonists, dancers, journalists, producers, recording technicians, speakers, and theatrical support talent such as costume designers and lighting technicians. Freelance musicians and vocalists, though, are classified with musical groups (71113). Gambling covers a variety of activities: table wagering games, slot machines, sports betting, bingo and lotteries. At the other end of the spectrum, the self-employed are a minority of the museums, historical sites, etc. sub-sector (712), pulling in less than 1% of the corresponding receipts.

Independent artists-writers-performers, numbering well over 16,100, comprise 56.9% of the 28,400-plus self-employed establishments in the sector. However, their receipts amount to only 40.2% of the self-employed sector total. Other groups with at least 4,000 self-employed establishments include spectator sports (7112 – sports teams, racetracks, independent athletes, owners, etc.), and other amusement and recreation industries (7139 – golf courses, marinas, fitness and recreation centers, bowling alleys, amusement rides, pool halls, riding stables, summer camps and sports leagues, etc.). Together, these three groups account for 89% of all self-employed establishments in the sector and 78.9% of such receipts.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Accommodation and Food Service Sector, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

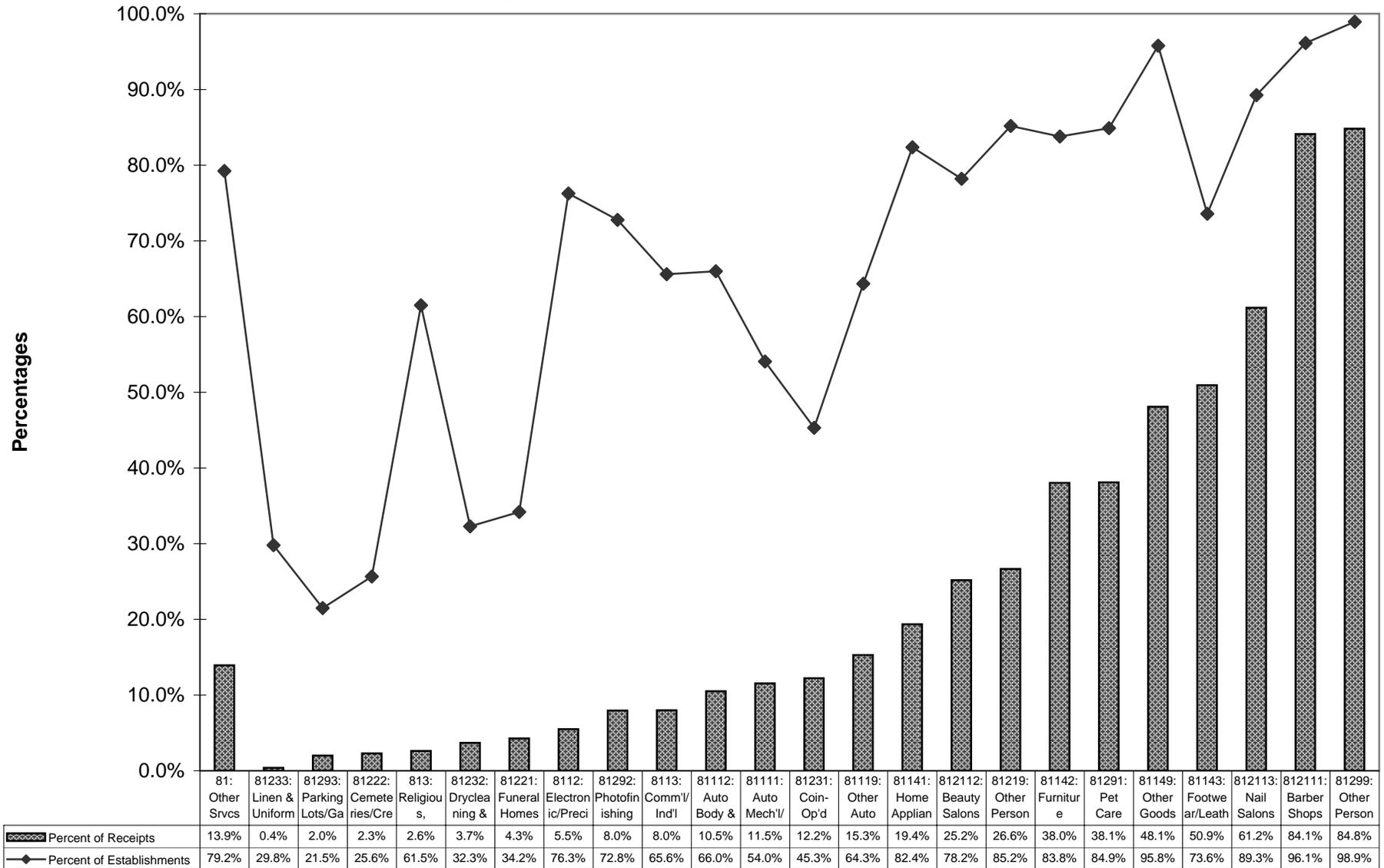
ACCOMMODATION AND FOOD SERVICE

Perhaps the most surprising thing conveyed by the graph above is small portion of groups in the accommodation and food sector (NAICS 72) in which the self-employed comprise the majority of establishments. The self-employed are the majority only in rooming and boarding houses (7213) and special food services (7223); they are one-half of recreational vehicle (RV) parks and camps establishments (7212). In only two of the groups – RV parks and camps, and rooming and boarding house – do the self-employed garner over 14% of the respective receipts.

Special food services (7223 – ice cream trucks, food carts, caterers, and food contractors for airlines, cafeterias, and concession stands) is the largest group, numbering 3,100 – or 43.8% – of the 7,100 self-employed establishments in this sector. The self-employed in the group also collected 22.5% of all such sector receipts.

See Table A8

Percentages of Receipts and Establishments for the Self-employed in Ohio's Other Service Industries, 2002



NAICS Code: Industry Description

Source: U.S. Census Bureau

OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)

The graph above shows the widely varying roles played by the self-employed with no employees in providing other personal services (NAICS 81). At one end of the continuum (among the right-most bars and dots above), it is evident that the self-employed dominate businesses such as nail salons (812113), barber shops (812111) and all other personal services (81299 – bail bonds, consumer buying services, dating and escort services, shoe-shining, coin-operated photo-machines, wedding planning, etc.) with the majority of establishments and industry receipts. The self-employed also are the majority of establishments principally repairing leather and footwear (81143) and other personal and household goods (81149 – e.g., garments, watches, jewelry, musical instruments, bicycles and motorcycles, and boats, but excluding home and garden equipment, appliances, furniture); they also collect about one-half of the corresponding industry receipts. Other industries in which the self-employed collect at least 10% of the receipts include motor vehicle repair and maintenance (81111, 81112, and 81119), personal and household goods repair and maintenance (81141 and 18842), coin-operated laundries and dry-cleaners (81231), beauty salons (812112), pet care (excluding veterinary services – 81291), and other personal care services (81219 – ear piercing, massage parlors, non-medical diet centers, turkish baths, tanning salons, tattoo parlors, etc.). At the other end of the continuum (among the left-most bars and dots above) are industries in which the self-employed comprise the minority of establishments: linen and uniforms supply (81233), parking lots and garages (81293), drycleaners (81232), funeral homes (81221), and cemeteries and crematories (81222).

There are over 80,500 self-employed establishments in this sector, but the majority of are found in three industries: all other personal services (81299), beauty salons (812112), and other personal and household goods repair and maintenance (81149). The majority of self-employed sector receipts are gathered by those in all other personal services, beauty salons, and automotive mechanical and electrical repair and maintenance (81111).

See Table A8

SUMMARY

The graphs and discussions in this section have specified the sub-sectors, groups and industries in which the self-employed with no employees have played larger and smaller roles in producing goods and providing services. These are small-scale operations by definition, and there are limits to what one person or a few people can do with comparatively small amounts of capital. While the self-employed are found in hundreds of industries, they gravitate to some industries more than others. They farm (including forestry) and provide support services for farms (including logging). They dominate hunting, fishing, and trapping. (Forget for the moment that these are very small parts of Ohio's economy.) Their role in mining is not really specified by the Census Bureau.

In construction, they are mostly specialty trade contractors doing things such as pouring concrete, carpentry, framing, house-painting, and additions and alterations. They install dry wall, glass, carpets, siding, plumbing, electrical equipment and machinery for heating, cooling, and ventilation. Their focus is most likely on residential buildings – and some oversee all of this. They also subdivide land for construction. Similarly, their small roles in manufacturing appear focused on the more craft-like industries associated with customized products: wood and fabricated metals, apparel, leather and related products, and miscellaneous goods like jewelry. They also run print shops. Perhaps these are more episodic (as opposed to continuous) operations in which an extensive division of labor and economies of scale are not crucial to success.

The idea of specialization also applies in wholesale and retail trade. The greatest numbers of self-employed wholesalers deal in books, periodicals, newspapers, and miscellaneous goods. Among retailers, the self-employed are more likely to deal in specific or miscellaneous goods such as gifts, novelties, souvenirs, art supplies, tobacco, grave markers, sporting goods, home furnishings (as opposed to furniture), and used merchandise – especially cars. In lesser numbers they run newsstands, vending machines, and stores for specialty foods; they deal in aircraft, golf carts, snowmobiles and art. More than any other kind of retail activity, though, they are in direct sales. These are the street vendors with their stalls, the people delivering home heating fuel and newspapers, selling door-to-door, and conducting sales parties.

The self-employed play substantial – if not dominant – roles in some service industries. They are independent artists, writers, performers, athletes, and, in smaller numbers, their agents, coaches and trainers. They are truckers, couriers, messengers, taxi and limousine drivers, tow-truck operators, landscapers, photographers, wedding planners, bail bondspersons, private investigators, barbers, upholsters, janitors and chimney sweeps. They shine shoes, and repair and maintain cars and personal and household goods (e.g., garments, watches, bicycles, boats). They provide home health care, daycare for children, pet care (except veterinary services), and do personal shopping for clients. They prepare documents, cater events, operate food carts, and drive ice cream vans. They are landlords and property managers and appraisers; they lease (or repair) industrial and commercial equipment. In smaller numbers, they operate rooming and

boarding houses and various gambling venues (except casinos and related hotels). They run shuttles, beauty and nail salons, tattoo parlors, dating and escort services, diet centers, and coin-operated devices such as storage lockers and photo-booths.

The self-employed also are prominent in some fields requiring formal training or specialized knowledge. MDs, dentists, lawyers, accountants, and architects come to mind, but the self-employed play proportionately smaller – even minor – roles in these fields. Relatively more common are closely related jobs: acupuncturists, hypnotherapists, homeopaths, midwives, nurses, psychiatrists, counseling psychologists, hygienists, landscape architects, tax preparation specialists, and bookkeepers. Other characteristic occupations include appraisals other than real estate, financial advisors, trustees, inspectors, freelance court reporters, translators, and various designers – interior, industrial, graphic, jewelry, clothing and accessories; agents – escrow, real estate and insurance; and all manner of consultants. The self-employed operate drafting and geo-physical mapping and surveying services. They also provide educational services, although Census Bureau data do not specify which ones.

APPENDICES

TERMINOLOGY

The *self-employed* refer to establishments or firms that have no paid employees, have annual business receipts of at least \$1,000 (except construction, where the minimum is \$1), and are subject to federal income taxes. *Establishment* usually refers to a single physical location at which goods are produced or services provided. For the self-employed, though, the Census Bureau counts each distinct business income tax return as an establishment. The establishment's location is its mailing address – which could differ from its physical location. Most the self-employed are sole proprietorships filing IRS Form 1040, Schedule C, but partnerships and corporations with no employees also are included. (The Schedule C criterion implies that some of the self-employed also are employees.) It should also be noted that a firm may have more than one establishment.

Receipts is a generic term. It covers all sources of income for the self-employed, including sales, commissions, and earnings from trade or other business. For employers it includes other economic census terms such as sales, revenue, the value of shipments, and the value of business done.

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, 2002). Major industries also are referred to as sub-sectors.

Self-employed statistics exclude crop and animal production (farming – NAICS codes 111 and 112, respectively) because the Census of Agriculture does not appear to distinguish farm receipts by employer status. Also excluded are central bank establishments (521), investment funds, trusts and other financial vehicles (525, with the possible exception of real estate investment trusts – 52593) and the management of companies and enterprises (55). In addition, the Census Bureau assumes some industries reported by the self-employed are mistakes and corrects them. New car dealers (44111) are reclassified as used car dealers (44112), department stores (4521) are coded elsewhere in general merchandise (452), rail transportation (48211) and hospitals (622) are recoded to support services (488 and 6219, respectively), and oil and gas extraction is switched to other financial investment activities (5239). For a more extensive discussion of terms, coverage, and methodology, see U.S. Bureau of the Census (2006d).

DETAILED TABLES

Table A1: Self-employed and Employer Establishment Trends for Ohio and the U.S., 1997-2005

Area	Subject	1997	1998	1999	2000	2001	2002	2003	2004	2005	Changes	
											Numbers	Percent-ages
Ohio:	Self-employed Establishments*	575,489	579,907	591,150	602,921	608,520	623,622	648,904	672,835	693,705	118,216	20.54%
	Percent Change from Year Earlier		0.8%	1.9%	2.0%	0.9%	2.5%	4.1%	3.7%	3.1%		
	Employer Establishments^	270,540	270,343	270,766	270,509	269,944	271,181	270,255	271,733	270,968	428	0.16%
	Percent Change from Year Earlier		-0.1%	0.2%	-0.1%	-0.2%	0.5%	-0.3%	0.5%	-0.3%		
	Total Non-farm Private Sector	846,029	850,250	861,916	873,430	878,464	894,803	919,159	944,568	964,673	118,644	14.02%
Percent Change from Year Earlier		0.5%	1.4%	1.3%	0.6%	1.9%	2.7%	2.8%	2.1%			
	Self-employed as Percent of Total	68.0%	68.2%	68.6%	69.0%	69.3%	69.7%	70.6%	71.2%	71.9%	3.9%	
U.S.:	Self-employed Establishments*	15,439,609	15,708,727	16,152,604	16,529,955	16,979,498	17,646,062	18,649,114	19,523,741	20,392,068	4,952,459	32.08%
	Percent Change from Year Earlier		1.7%	2.8%	2.3%	2.7%	3.9%	5.7%	4.7%	4.4%		
	Employer Establishments^	6,894,869	6,941,822	7,008,444	7,070,048	7,095,302	7,200,770	7,254,745	7,387,724	7,499,702	604,833	8.77%
	Percent Change from Year Earlier		0.7%	1.0%	0.9%	0.4%	1.5%	0.7%	1.8%	1.5%		
	Total Non-farm Private Sector	22,334,478	22,650,549	23,161,048	23,600,003	24,074,800	24,846,832	25,903,859	26,911,465	27,891,770	5,557,292	24.88%
Percent Change from Year Earlier		1.4%	2.3%	1.9%	2.0%	3.2%	4.3%	3.9%	3.6%			
	Self-employed as Percent of Total	69.1%	69.4%	69.7%	70.0%	70.5%	71.0%	72.0%	72.5%	73.1%	4.0%	

Notes: * - Distinct business tax returns - usually the number of U.S. 1040 Schedule C forms; that means that some of the individuals may also be employed.

^ - Employer data (from County Business Patterns) excludes most government employees, railroad workers, and the self-employed.

Sources: U.S. Bureau of the Census (1999a-2007a, 1999b-2007b).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 614/466-2116 (DL, 7/07).

Table A2: Self-employed Establishment Trends for Selected Industries in Ohio, 1997-2005

NAICS Code		1997	1998	1999	2000	2001	2002	2003	2004	2005	Changes	
											Numbers	Percents
00	Total (exc. Farms)	575,489	579,907	591,150	602,921	608,520	623,622	648,904	672,835	693,705	118,216	20.5%
11p-33	Non-farm Goods Producers	101,083	99,651	101,306	102,234	103,238	102,432	108,684	115,216	118,625	17,542	17.4%
11p	Forestry, Etc.	5,624	5,047	4,958	5,030	5,138	5,080	5,102	5,379	5,558	-66	-1.2%
21	Mining	3,877	3,268	3,467	3,642	3,620	3,356	3,612	3,876	4,160	283	7.3%
23	Construction	79,774	79,462	81,386	82,028	83,264	82,485	88,298	94,140	97,319	17,545	22.0%
235/8*	Specialty Trades*	62,369	61,180	62,419	62,654	63,577	63,297	67,612	71,475	74,570	12,201	19.6%
31-33	Manufacturing	11,808	11,874	11,495	11,534	11,216	11,511	11,672	11,821	11,588	-220	-1.9%
22-81	Service Sectors	474,406	480,256	489,844	500,687	505,282	521,190	540,220	557,619	575,080	100,674	21.2%
22	Utilities	586	486	484	491	439	395	404	454	466	-120	-20.5%
42	Wholesale Trade	15,578	15,208	14,835	14,538	14,203	12,742	13,326	13,647	13,284	-2,294	-14.7%
44-45	Retail Trade	73,922	71,418	72,542	72,528	70,168	73,081	73,924	73,513	71,361	-2,561	-3.5%
48-49	Transportation & Warehousing	29,681	29,538	31,321	31,654	31,416	32,547	34,214	36,295	37,664	7,983	26.9%
484	Trucking	18,012	18,374	19,318	19,525	19,176	19,732	20,548	21,730	22,501	4,489	24.9%
51	Information	5,202	5,868	6,672	7,315	7,334	6,963	7,836	8,463	8,801	3,599	69.2%
52	Finance & Insurance	23,460	24,381	23,119	24,222	24,343	21,934	22,531	22,949	23,353	-107	-0.5%
524	Insurance Carriers, Etc.	13,574	13,340	13,770	13,979	14,037	13,992	14,250	14,512	14,601	1,027	7.6%
53	Real Estate, Etc.	54,279	60,305	61,636	64,667	66,139	68,561	71,786	75,599	79,914	25,635	47.2%
5311	Real Estate Lessors	24,495	30,358	28,453	31,256	32,568	32,844	34,241	35,414	37,135	12,640	51.6%
5312	Real Estate Agents & Brokers	19,613	17,753	18,561	18,122	18,006	18,176	18,541	19,573	21,032	1,419	7.2%
53139	Other Real Estate Activities	4,406	5,766	7,585	8,203	8,578	9,724	10,910	12,268	13,062	8,656	196.5%
54	Prof'l., Scien'c. & Tech'l. Svcs.	91,306	81,769	79,223	78,643	78,413	80,689	82,500	84,570	88,245	-3,061	-3.4%
5415	Computer Systems Design, Etc.	6,533	6,997	7,323	7,754	7,830	8,111	8,832	9,150	8,311	1,778	27.2%
56	Adm'v. Support/Waste Mgt.	33,321	34,005	36,331	37,697	38,970	45,399	46,489	47,502	50,443	17,122	51.4%
5611	Office Administrative Services	2,048	3,309	3,890	4,435	4,598	4,789	5,499	6,044	6,444	4,396	214.6%
5614	Business Support Services	2,938	3,824	4,558	4,768	4,999	6,239	6,035	5,942	6,146	3,208	109.2%
5617	Services to Buildings & Dwellings	21,198	19,799	20,363	20,918	21,669	25,481	26,293	26,831	29,197	7,999	37.7%
61	Educational Svcs.	8,740	9,051	9,781	10,553	11,458	12,649	13,701	15,669	17,695	8,955	102.5%
62	Health Care & Social Assistance	40,466	40,255	42,557	45,033	47,643	50,134	52,512	53,751	56,163	15,697	38.8%
6213	Other Health Practitioners	6,759	6,965	7,350	7,577	7,869	8,161	8,439	8,749	8,954	2,195	32.5%
6216	Home Health Care Svcs.	2,029	2,780	3,537	4,126	4,968	5,655	6,553	7,467	8,808	6,779	334.1%
6244	Child Day Care Svcs.	17,847	17,722	18,483	19,614	20,754	21,859	22,376	21,392	22,139	4,292	24.0%
71	Arts, Entertainment, & Recreation	24,310	24,629	25,326	25,806	26,285	28,425	28,420	28,852	30,227	5,917	24.3%
7115	Independent Artists, Etc.	13,129	13,480	14,254	14,707	15,165	16,183	16,250	16,650	18,061	4,932	37.6%
72	Accommodation & Food Svcs.	5,868	6,097	6,397	6,630	6,750	7,112	7,733	8,143	8,367	2,499	42.6%
7223	Special Food Svcs.	1,922	2,247	2,498	2,726	2,865	3,115	3,487	3,710	3,930	2,008	104.5%

Table A2: Self-employed Establishment Trends for Selected Industries in Ohio, 1997-2005

NAICS Code		1997	1998	1999	2000	2001	2002	2003	2004	2005	Changes	
											Numbers	Percents
81	Other Svcs.	67,687	77,246	79,620	80,910	81,721	80,559	84,844	88,212	89,097	21,410	31.6%
81149	Other Prsnl./Hshld. Goods Repair/Mntnc.	4,601	5,584	6,012	6,378	6,574	6,539	6,983	7,446	7,387	2,786	60.6%
812112	Beauty Salons	11,795	11,761	11,439	11,958	12,071	12,329	12,807	13,331	13,957	2,162	18.3%
81219	Other Personal Care Svcs.	1,854	2,288	2,434	2,691	2,904	3,093	3,330	3,665	3,861	2,007	108.3%
81299	All Other Personal Svcs.	24,224	26,755	28,069	28,258	28,593	26,901	29,081	30,225	30,149	5,925	24.5%

Notes: * - Data from 2002 onward are not strictly comparable with data before 2002 due to changes in the classification system.

Sources: U.S. Bureau of the Census (1999b-2007b).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 7/07).

Table A3: Non-farm Private Sector* Employees and the Self-Employed in Ohio and the U.S., 1997-2005

Area	Subject	1997	1998	1999	2000	2001	2002	2003	2004	2005	Changes	
											Numbers	Percent-ages
Ohio	Self-Employed	575,489	579,907	591,150	602,921	608,520	623,622	648,904	672,835	693,705	118,216	20.54%
	Percent Change from Year Earlier		0.8%	1.9%	2.0%	0.9%	2.5%	4.1%	3.7%	3.1%		
	Employees	4,709,180	4,806,046	4,867,368	5,001,980	4,932,943	4,743,151	4,770,283	4,762,205	4,762,618	53,438	1.13%
	Percent Change from Year Earlier		2.1%	1.3%	2.8%	-1.4%	-3.8%	0.6%	-0.2%	0.0%		
	Total Non-farm Private Sector Jobs	5,284,669	5,385,953	5,458,518	5,604,901	5,541,463	5,366,773	5,419,187	5,435,040	5,456,323	171,654	3.25%
	Percent Change from Year Earlier		1.9%	1.3%	2.7%	-1.1%	-3.2%	1.0%	0.3%	0.4%		
	Self-Employed as Percent of Total	10.9%	10.8%	10.8%	10.8%	11.0%	11.6%	12.0%	12.4%	12.7%	1.8%	
U.S.	Self-Employed	15,439,609	15,708,727	16,152,604	16,529,955	16,979,498	17,646,062	18,649,114	19,523,741	20,392,068	4,952,459	32.08%
	Percent Change from Year Earlier		1.7%	2.8%	2.3%	2.7%	3.9%	5.7%	4.7%	4.4%		
	Employees	105,299,123	108,117,731	110,705,661	114,064,976	115,061,184	112,400,654	113,398,043	115,074,924	116,317,003	11,017,880	10.46%
	Percent Change from Year Earlier		2.7%	2.4%	3.0%	0.9%	-2.3%	0.9%	1.5%	1.1%		
	Total Non-farm Private Sector Jobs	120,738,732	123,826,458	126,858,265	130,594,931	132,040,682	130,046,716	132,047,157	134,598,665	136,709,071	15,970,339	13.23%
	Percent Change from Year Earlier		2.6%	2.4%	2.9%	1.1%	-1.5%	1.5%	1.9%	1.6%		
	Self-Employed as Percent of Total	12.8%	12.7%	12.7%	12.7%	12.9%	13.6%	14.1%	14.5%	14.9%	2.1%	

Note: * - Non-farm private sector data excludes railroad workers.

Sources: U.S. Bureau of the Census (1999a-2007a, 1999b-2007b).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 614/466-2116 (DL, 7/07).

Table A4: Trends in Self-employed Receipts for Ohio and the U.S., 1997-2005

Area	Subject	1997	1998	1999	2000	2001	2002	2003	2004	2005	Changes	
											Numbers	Percent- ages
Ohio	Establishments*	575,489	579,907	591,150	602,921	608,520	623,622	648,904	672,835	693,705	118,216	20.54%
	Rank in U.S.	7th										
	Receipts^	\$19,938.7	\$21,690.4	\$21,930.4	\$23,131.5	\$23,352.2	\$24,424.1	\$25,979.2	\$27,588.2	\$28,560.1	\$8,621.4	43.24%
	Rank in U.S.	8th	9th									
U.S.	Establishments*	15,439,609	15,708,727	16,152,604	16,529,955	16,979,498	17,646,062	18,649,114	19,523,741	20,392,068	4,952,459	32.08%
	Receipts^	\$586,315.8	\$643,720.5	\$667,219.7	\$709,378.8	\$729,922.1	\$770,032.3	\$829,819.2	\$887,001.8	\$951,206.3	\$364,890.5	62.23%
Average Receipts (Standardized on 2005)	Ohio	\$41,534	\$43,866	\$42,594	\$42,620	\$41,573	\$42,129	\$42,314	\$42,298	\$41,170	-\$363.6	-0.88%
	U.S.	\$46,201	\$49,093	\$48,427	\$48,694	\$47,413	\$47,376	\$47,238	\$46,974	\$46,646	\$444.7	0.96%
Ohio as a Per- centage of U.S.	Establishments*	3.73%	3.69%	3.66%	3.65%	3.58%	3.53%	3.48%	3.45%	3.40%	-0.33%	
	Gross Receipts	3.40%	3.37%	3.29%	3.26%	3.20%	3.17%	3.13%	3.11%	3.00%	-0.40%	

Notes: * - Distinct business tax returns - usually the number of U.S. 1040 Schedule C forms; that means that some of the individuals may also be employed.

^ - In millions of current dollars, no adjustment for inflation.

Sources: U.S. Bureau of the Census (1999b-2007b), U.S. Bureau of Labor Statistics (n.d.).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 614/466-2116 (DL, 7/07).

Table A5: The Number of Self-employed Establishments in Ohio and Their Receipts by Sector for 2005

NAICS Code	Industry Description	Estab-lishments	Aggregate Receipts (000s)	Mean Receipts
	Total (exc. Crop & Animal Production)	693,705	\$28,560,088	\$41,170
11p-33	Non-farm Goods Producers	118,625	\$5,910,970	\$49,829
11p	Forestry, Fishing, Hunting & Agriculture Support (exc. Crop & Animal Production)	5,558	\$270,756	\$48,715
21	Mining	4,160	\$246,695	\$59,302
23	Construction	97,319	\$4,811,702	\$49,443
31-33	Manufacturing	11,588	\$581,817	\$50,209
32p-33	Manufacturing - Durable Goods	8,329	\$452,026	\$54,271
31-32p	Manufacturing - Nondurable Goods	3,259	\$129,791	\$39,825
22-81	Service Providers	575,080	\$22,649,118	\$39,384
22	Utilities	466	\$16,099	\$34,547
42	Wholesale Trade	13,284	\$1,011,914	\$76,175
44-45	Retail Trade	71,361	\$2,544,947	\$35,663
48-49	Transportation* & Warehousing	37,664	\$2,217,081	\$58,865
51	Information	8,801	\$229,802	\$26,111
52	Finance & Insurance	23,353	\$1,212,750	\$51,931
53	Real Estate & Rental & Leasing	79,914	\$6,643,781	\$83,137
54	Professional, Scientific & Technical Services	88,245	\$3,057,131	\$34,644
56	Administrative Support & Waste Management & Remediation Services	50,443	\$968,771	\$19,205
61	Educational Services	17,695	\$185,426	\$10,479
62	Health Care & Social Assistance	56,163	\$1,565,811	\$27,880
71	Arts, Entertainment & Recreation	30,227	\$558,692	\$18,483
72	Accommodation & Food Services	8,367	\$387,897	\$46,360
81	Other Services (exc. Public Administration)	89,097	\$2,049,016	\$22,998

Notes: Exc. - except; P - part; * - excludes railroads.

Source: U.S. Bureau of the Census (2007b).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 6/07).

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
00	Total (exc. Crop & Animal Production)	693,705	20,392,068	1.00
11p	Forestry, Fishing, Hunting & Agriculture Support (exc. Crop & Animal Production)	5,558	231,029	0.71
113	Forestry & Logging	1,840	55,019	0.98
114	Fishing, Hunting & Trapping	703	80,637	0.26
1141	Fishing	466	69,044	0.20
1142	Hunting & Trapping	237	11,593	0.60
115	Support Activities for Agriculture & Forestry	3,015	95,373	0.93
1151	Support Activities for Crop Production	1,116	40,237	0.82
1152	Support Activities for Animal Production	1,540	42,321	1.07
1153	Support Activities for Forestry	359	12,815	0.82
21	Mining	4,160	99,739	1.23
211	Oil and Gas Extraction	3,840	84,429	1.34
212	Mining (exc. Oil & Gas)	125	5,601	0.66
2121	Coal Mining	40	841	1.40
2122	Metal Ore Mining	7	785	0.26
2123	Nonmetallic Mineral Mining & Quarrying	78	3,975	0.58
213	Support Activities for Mining	195	9,707	0.59
23	Construction	97,319	2,530,890	1.13
236	Construction of Buildings	20,642	609,299	1.00
2361	Residential Building Construction	17,789	526,995	0.99
2362	Nonresidential Building Construction	2,853	82,304	1.02
237	Heavy & Civil Engineering Construction	2,107	59,506	1.04
2371	Utility System Construction	302	7,257	1.22
2372	Land Subdivision	847	20,538	1.21
2373	Highway, Street & Bridge Construction	266	7,564	1.03
2379	Other Heavy & Civil Engineering Construction	692	24,147	0.84
238	Specialty Trade Contractors	74,570	1,862,080	1.18
2381	Foundation, Structure & Building Exterior Contractors	13,688	294,524	1.37
2382	Building Eqpt. Contractors	9,201	251,383	1.08
23821	Electrical Contractors	3,985	114,392	1.02
23822	Plumbing, Heating & Air-Conditioning Contractors	4,649	121,964	1.12
23829	Other Building Eqpt. Contractors	567	15,027	1.11

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
2383	Building Finishing Contractors	28,932	717,374	1.19
2389	Other Specialty Trade Contractors	22,749	598,799	1.12
31-33	Manufacturing	11,588	297,534	1.14
32p-33	Durable Goods Mfg.	8,329	196,150	1.25
321	Wood Product Mfg.	1,525	26,643	1.68
327	Nonmetallic Mineral Product Mfg.	292	10,027	0.86
3271	Clay Product & Refractory Mfg.	76	3,129	0.71
3272	Glass & Glass Product Mfg.	112	3,029	1.09
3273	Cement & Concrete Product Mfg.	54	1,860	0.85
3274	Lime & Gypsum Product Mfg.	2	103	0.57
3279	Other Nonmetallic Mineral Product Mfg.	48	1,906	0.74
331	Primary Metal Mfg.	227	4,090	1.63
332	Fabricated Metal Product Mfg.	1,678	37,098	1.33
333	Machinery Mfg.	741	14,071	1.55
334	Computer & Electronic Product Mfg.	210	7,531	0.82
335	Electrical Eqpt., Appliance & Component Mfg.	278	6,946	1.18
336	Transportation Eqpt. Mfg.	161	5,274	0.90
337	Furniture & Related Product Mfg.	650	17,359	1.10
339	Miscellaneous Mfg.	2,567	67,111	1.12
3391	Medical Eqpt. & Supplies Mfg.	147	4,452	0.97
3399	Other Miscellaneous Mfg.	2,420	62,659	1.14
31-32p	Non-durable goods Mfg.	3,259	101,379	0.94
311	Food Mfg.	740	23,318	0.93
3111	Animal Food Mfg.	38	1,067	1.05
3112	Grain & Oilseed Milling	22	283	2.29
3113	Sugar & Confectionery Product Mfg.	57	1,766	0.95
3114	Fruit & Vegetable Preserving & Specialty Food Mfg.	53	2,330	0.67
3115	Dairy Product Mfg.	26	877	0.87
3116	Animal Slaughtering & Processing	68	1,933	1.03
3117	Seafood Product Preparation & Packaging	6	1,080	0.16
3118	Bakeries & Tortilla Mfg.	256	6,976	1.08
3119	Other Food Mfg.	214	7,006	0.90
312	Beverage & Tobacco Product Mfg.	45	2,202	0.60

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
313	Textile Mills	29	1,377	0.62
314	Textile Product Mills	43	1,966	0.64
315	Apparel Mfg.	543	24,852	0.64
316	Leather & Allied Product Mfg.	126	4,497	0.82
3161	Leather & Hide Tanning & Finishing	33	1,138	0.85
3162	Footwear Mfg.	9	619	0.43
3169	Other Leather & Allied Product Mfg.	84	2,740	0.90
322	Paper Mfg.	89	1,553	1.68
323	Printing & Related Support Activities	940	26,008	1.06
324	Petroleum & Coal Products Mfg.	57	1,744	0.96
325	Chemical Mfg.	259	8,154	0.93
3251	Basic Chemical Mfg.	31	684	1.33
3252	Resin, Synthetic Rubber & Artificial Synthetic Fibers & Filaments Mfg.	13	373	1.02
3253	Pesticide, Fertilizer & Other Agricultural Chemical Mfg.	8	620	0.38
3254	Pharmaceutical & Medicine Mfg.	23	1,143	0.59
3255	Paint, Coating & Adhesive Mfg.	62	1,686	1.08
3256	Soap, Cleaning Compound & Toilet Preparation Mfg.	47	1,529	0.90
3259	Other Chemical Product & Preparation Mfg.	75	2,119	1.04
326	Plastics & Rubber Products Mfg.	388	5,708	2.00
22	Utilities	466	15,307	0.89
42	Wholesale Trade	13,284	381,137	1.02
423	Merchant Wholesalers, Durable Goods	7,321	203,327	1.06
4231	Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers	551	16,470	0.98
4232	Furniture & Home Furnishing Merchant Wholesalers	583	16,286	1.05
4233	Lumber & Other Construction Materials Merchant Wholesalers	317	7,859	1.19
4234	Professional & Commercial Eqpt. & Supplies Merchant Wholesalers	417	10,386	1.18
4235	Metal & Mineral (exc. Petroleum) Merchant Wholesalers	203	3,175	1.88
4236	Electrical & Electronic Goods Merchant Wholesalers	296	10,885	0.80
4237	Hardware & Plumbing & Heating Eqpt. & Supplies Merchant Wholesalers	228	5,514	1.22
4238	Machinery, Eqpt. & Supplies Merchant Wholesalers	947	20,318	1.37
4239	Miscellaneous Durable Goods Merchant Wholesalers	3,779	112,434	0.99
42391	Sporting & Recreational Goods & Supplies Merchant Wholesalers	436	11,631	1.10
42392	Toy & Hobby Goods & Supplies Merchant Wholesalers	398	9,348	1.25

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
42393	Recyclable Material Merchant Wholesalers	221	5,204	1.25
42394	Jewelry, Watch, Precious Stone & Precious Metal Merchant Wholesalers	483	22,250	0.64
42399	Other Miscellaneous Durable Goods Merchant Wholesalers	2,241	64,001	1.03
424	Merchant Wholesalers, Nondurable Goods	4,997	150,848	0.97
4241	Paper & Paper Product Merchant Wholesalers	341	6,831	1.47
4242	Drugs & Druggists' Sundries Merchant Wholesalers	111	3,180	1.03
4243	Apparel, Piece Goods & Notions Merchant Wholesalers	561	23,201	0.71
4244	Grocery & Related Product Wholesalers	806	27,529	0.86
4245	Farm Product Raw Material Merchant Wholesalers	109	3,936	0.81
4246	Chemical & Allied Products Merchant Wholesalers	190	4,086	1.37
4247	Petroleum & Petroleum Products Merchant Wholesalers	87	2,354	1.09
4248	Beer, Wine & Distilled Alcoholic Beverage Merchant Wholesalers	52	3,456	0.44
4249	Miscellaneous Nondurable Goods Merchant Wholesalers	2,740	76,275	1.06
42491	Farm Supplies Merchant Wholesalers	90	2,506	1.06
42492	Book, Periodical & Newspaper Merchant Wholesalers	850	14,688	1.70
42493	Flower, Nursery Stock & Florists' Supplies Merchant Wholesalers	233	8,078	0.85
42494	Tobacco & Tobacco Product Merchant Wholesalers	34	1,353	0.74
42495	Paint, Varnish & Supplies Merchant Wholesalers	39	1,166	0.98
42499	Other Miscellaneous Nondurable Goods Merchant Wholesalers	1,494	48,484	0.91
425	Wholesale Electronic Markets & Agents & Brokers	966	26,959	1.05
42511	Business to Business Electronic Markets	153	4,738	0.95
42512	Wholesale Trade Agents & Brokers	813	22,221	1.08
44-45	Retail Trade	71,361	1,881,115	1.12
441	Motor Vehicle & Parts Dealers	5,084	146,579	1.02
44112	Used Car Dealers	2,919	84,949	1.01
4412	Other Motor Vehicle Dealers	1,104	32,124	1.01
44121	Recreational Vehicle Dealers	145	4,155	1.03
44122	Motorcycle, Boat & Other Motor Vehicle Dealers	959	27,969	1.01
441221	Motorcycle Dealers	216	3,763	1.69
441222	Boat Dealers	87	3,720	0.69
441229	All Other Motor Vehicle Dealers	656	20,486	0.94
4413	Automotive Parts, Accessories & Tire Stores	1,061	29,506	1.06
442	Furniture & Home Furnishings Stores	1,362	41,441	0.97

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
4421	Furniture Stores	446	15,136	0.87
4422	Home Furnishings Stores	916	26,305	1.02
443	Electronics & Appliance Stores	903	26,972	0.98
44311	Appliance, Television & Other Electronics Stores	554	17,157	0.95
443111	Household Appliance Stores	189	5,628	0.99
443112	Radio, Television & Other Electronics Stores	365	11,529	0.93
44312	Computer & Software Stores	312	8,407	1.09
44313	Camera & Photographic Supplies Stores	37	1,408	0.77
444	Building Material & Garden Eqpt. & Supplies Dealers	1,181	31,397	1.11
4441	Building Material & Supplies Dealers	840	23,110	1.07
44411	Home Centers	79	2,211	1.05
44412	Paint & Wallpaper Stores	50	1,831	0.80
44413	Hardware Stores	136	4,282	0.93
44419	Other Building Material Dealers	575	14,786	1.14
4442	Lawn & Garden Eqpt. & Supplies Stores	341	8,287	1.21
445	Food & Beverage Stores	2,370	88,670	0.79
4451	Grocery Stores	903	39,345	0.67
4452	Specialty Food Stores	1,206	38,811	0.91
44521	Meat Markets	67	2,570	0.77
44522	Fish & Seafood Markets	12	2,098	0.17
44523	Fruit & Vegetable Markets	174	5,932	0.86
44529	Other Specialty Food Stores	953	28,211	0.99
4453	Beer, Wine & Liquor Stores	261	10,514	0.73
446	Health & Personal Care Stores	3,788	113,941	0.98
44611	Pharmacies & Drug Stores	96	3,865	0.73
44612	Cosmetics, Beauty Supplies & Perfume Stores	2,508	71,968	1.02
44613	Optical Goods Stores	74	2,361	0.92
44619	Other Health & Personal Care Stores	1,110	35,747	0.91
447	Gasoline Stations	183	8,580	0.63
448	Clothing & Clothing Accessories Stores	2,716	109,302	0.73
4481	Clothing Stores	1,770	72,774	0.71
44811	Men's Clothing Stores	94	3,514	0.79
44812	Women's Clothing Stores	303	14,629	0.61

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
44813	Children's & Infants' Clothing Stores	117	5,915	0.58
44814	Family Clothing Stores	206	10,427	0.58
44815	Clothing Accessories Stores	387	15,771	0.72
44819	Other Clothing Stores	663	22,518	0.87
4482	Shoe Stores	76	4,269	0.52
4483	Jewelry, Luggage & Leather Goods Stores	870	32,259	0.79
44831	Jewelry Stores	818	30,272	0.79
44832	Luggage & Leather Goods Stores	52	1,987	0.77
451	Sporting Goods, Hobby, Book & Music Stores	4,190	92,511	1.33
4511	Sporting Goods, Hobby & Musical Instrument Stores	2,890	62,712	1.35
45111	Sporting Goods Stores	1,020	22,681	1.32
45112	Hobby, Toy & Game Stores	904	18,034	1.47
45113	Sewing, Needlework & Piece Goods Stores	704	15,901	1.30
45114	Musical Instrument & Supplies Stores	262	6,096	1.26
4512	Book, Periodical & Music Stores	1,300	29,799	1.28
45121	Book Stores & News Dealers	1,153	24,993	1.36
451211	Book Stores	377	10,392	1.07
451212	News Dealers & Newsstands	776	14,601	1.56
45122	Prerecorded Tape, Compact Disc & Record Stores	147	4,806	0.90
452	General Merchandise Stores	1,077	35,723	0.89
453	Miscellaneous Store Retailers	11,161	312,536	1.05
4531	Florists	761	24,498	0.91
4532	Office Supplies, Stationery & Gift Stores	2,804	74,746	1.10
45321	Office Supplies & Stationery Stores	254	6,676	1.12
45322	Gift, Novelty & Souvenir Stores	2,550	68,070	1.10
4533	Used Merchandise Stores	2,082	61,693	0.99
4539	Other Miscellaneous Store Retailers	5,514	151,599	1.07
45391	Pet & Pet Supplies Stores	367	8,542	1.26
45392	Art Dealers	471	17,769	0.78
45393	Manufactured (Mobile) Home Dealers	81	2,593	0.92
45399	All Other Miscellaneous Store Retailers	4,595	122,695	1.10
454	Nonstore Retailers	37,346	873,468	1.26
4541	Electronic Shopping & Mail-Order Houses	2,671	72,685	1.08

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
4542	Vending Machine Operators	1,106	29,985	1.08
4543	Direct Selling Establishments	33,569	770,798	1.28
45431	Fuel Dealers	90	2,761	0.96
45439	Other Direct Selling Establishments	33,479	768,037	1.28
48-49	Transportation & Warehousing	37,664	962,351	1.15
481	Air Transportation	588	21,073	0.82
483	Water Transportation	182	6,580	0.81
484	Truck Transportation	22,501	508,973	1.30
4841	General Freight Trucking	20,126	461,265	1.28
48411	General Freight Trucking, Local	7,179	184,278	1.15
48412	General Freight Trucking, Long-Distance	12,947	276,987	1.37
4842	Specialized Freight Trucking	2,375	47,708	1.46
485	Transit & Ground Passenger Transportation	3,985	187,427	0.63
4851	Urban Transit Systems	30	1,033	0.85
4852	Interurban & Rural Bus Transportation	52	1,661	0.92
4853	Taxi & Limousine Service	2,405	146,736	0.48
4854	School & Employee Bus Transportation	313	7,099	1.30
4855	Charter Bus Industry	109	4,056	0.79
4859	Other Transit & Ground Passenger Transportation	1,076	26,842	1.18
486	Pipeline Transportation	22	710	0.91
487	Scenic & Sightseeing Transportation	102	3,955	0.76
488	Support Activities for Transportation	2,218	59,797	1.09
492	Couriers & Messengers	7,779	165,972	1.38
493	Warehousing & Storage	287	7,867	1.07
51	Information	8,801	290,982	0.89
511	Publishing Industries (exc. Internet)	2,841	79,030	1.06
512	Motion Picture & Sound Recording Industries	1,188	64,471	0.54
5121	Motion Picture & Video Industries	793	48,058	0.49
5122	Sound Recording Industries	395	16,413	0.71
515	Broadcasting (exc. Internet)	547	17,056	0.94
516	Internet Publishing & Broadcasting	522	18,858	0.81
517	Telecommunications	814	26,727	0.90
518	Internet Service Providers, Web Search Portals & Data Processing Services	1,479	44,303	0.98

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
5181	Internet Service Providers & Web Search Portals	373	10,828	1.01
518111	Internet Service Providers	236	7,039	0.99
518112	Web Search Portals	137	3,789	1.06
5182	Data Processing, Hosting & Related Services	1,106	33,475	0.97
519	Other Information Services	1,410	40,537	1.02
52	Finance & Insurance	23,353	741,928	0.93
522	Credit Intermediation & Related Activities	1,496	82,478	0.53
5221	Depository Credit Intermediation	257	7,276	1.04
5222	Nondepository Credit Intermediation	565	29,374	0.57
5223	Activities Related to Credit Intermediation	674	45,828	0.43
523	Securities, Commodity Contracts & Other Financial Investments & Related Activities	7,256	276,189	0.77
5231	Securities & Commodity Contracts Intermediation & Brokerage	965	33,434	n.a.
52311	Investment Banking & Securities Dealing	250	8,039	0.91
52312	Securities Brokerage	660	20,507	0.95
52313	Commodity Contracts Dealing	19	1,206	n.a.
52314	Commodity Contracts Brokerage	36	3,682	n.a.
5232	Security & Commodity Exchanges	43	2,043	n.a.
5239	Other Financial Investment Activities	6,248	240,712	0.76
524	Insurance Carriers & Related Activities	14,601	383,260	1.12
5241	Insurance Carriers	30	541	1.63
5242	Agencies, Brokerages & Other Insurance Related Activities	14,571	382,719	1.12
52421	Insurance Agencies & Brokerages	10,456	256,481	1.20
52429	Other Insurance Related Activities	4,115	126,238	0.96
53	Real Estate & Rental & Leasing	79,914	2,441,600	0.96
531	Real Estate	76,884	2,357,274	0.96
5311	Lessors of Real Estate	37,135	869,237	1.26
5312	Offices of Real Estate Agents & Brokers	21,032	808,484	0.76
5313	Activities Related to Real Estate	18,717	679,553	0.81
53131	Real Estate Property Managers	3,943	121,831	0.95
53132	Offices of Real Estate Appraisers	1,712	51,675	0.97
53139	Other Activities Related to Real Estate	13,062	506,047	0.76
532	Rental & Leasing Services	2,994	82,825	1.06
5321	Automotive Eqpt. Rental & Leasing	808	20,026	1.19

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
5322	Consumer Goods Rental	569	18,370	0.91
53221	Consumer Electronics & Appliances Rental	48	1,508	0.94
53222	Formal Wear & Costume Rental	21	682	0.91
53223	Video Tape & Disc Rental	95	4,216	0.66
53229	Other Consumer Goods Rental	405	11,964	1.00
5323	General Rental Centers	119	3,836	0.91
5324	Commercial & Industrial Machinery & Eqpt. Rental & Leasing	1,498	40,593	1.08
533	Lessors of Nonfinancial Intangible Assets (exc. Copyrighted Works)	36	1,503	0.70
54	Professional, Scientific & Technical Services	88,245	2,853,625	0.91
5411	Legal Services	8,616	247,188	1.02
5412	Accounting, Tax Preparation, Bookkeeping & Payroll Services	11,359	337,530	0.99
541211	Offices of Certified Public Accountants	1,377	36,777	1.10
541213	Tax Preparation Services	3,344	84,341	1.17
541214	Payroll Services	182	4,491	1.19
541219	Other Accounting Services	6,456	211,921	0.90
5413	Architectural, Engineering & Related Services	7,539	230,669	0.96
54131	Architectural Services	1,147	49,448	0.68
54132	Landscape Architectural Services	1,324	34,726	1.12
54133	Engineering Services	3,294	90,700	1.07
54134	Drafting Services	754	27,334	0.81
54135	Building Inspection Services	462	12,685	1.07
54136	Geophysical Surveying & Mapping Services	89	3,538	0.74
54137	Surveying and Mapping (exc. Geophysical) Services	371	9,439	1.16
54138	Testing Laboratories	98	2,799	1.03
5414	Specialized Design Services	4,834	165,883	0.86
5415	Computer Systems Design & Related Services	8,311	281,864	0.87
5416	Management, Scientific & Technical Consulting Services	17,650	580,349	0.89
5417	Scientific Research & Development Services	896	27,711	0.95
5418	Advertising & Related Services	3,640	111,524	0.96
5419	Other Professional, Scientific & Technical Services	25,400	870,908	0.86
54191	Marketing Research & Public Opinion Polling	723	20,232	1.05
54192	Photographic Services	2,817	86,593	0.96
54193	Translation & Interpretation Services	780	30,088	0.76

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
54194	Veterinary Services	504	13,958	1.06
54199	All Other Professional, Scientific & Technical Services	20,576	720,037	0.84
56	Administrative Support & Waste Management & Remediation Services	50,443	1,416,712	1.05
561	Administrative Support Services	49,635	1,398,155	1.04
5611	Office Administrative Services	6,444	180,224	1.05
5612	Facilities Support Services	805	24,769	0.96
5613	Employment Services	690	19,397	1.05
5614	Business Support Services	6,146	185,478	0.97
56141	Document Preparation Services	1,354	44,056	0.90
56142	Telephone Call Centers	569	11,593	1.44
56143	Business Service Centers	533	17,610	0.89
56144	Collection Agencies	184	4,801	1.13
56145	Credit Bureaus	19	604	0.92
56149	Other Business Support Services	3,487	106,814	0.96
5615	Travel Arrangement & Reservation Services	864	31,466	0.81
5616	Investigation & Security Services	3,028	63,540	1.40
5617	Services to Buildings & Dwellings	29,197	816,195	1.05
56171	Exterminating & Pest Control Services	211	8,001	0.78
56172	Janitorial Services	16,579	469,844	1.04
56173	Landscaping Services	8,987	248,965	1.06
56174	Carpet & Upholstery Cleaning Services	804	24,534	0.96
56179	Other Services to Buildings & Dwellings	2,616	64,851	1.19
5619	Other Support Services	2,461	77,086	0.94
562	Waste Management & Remediation Services	808	18,558	1.28
61	Educational Services	17,695	454,306	1.14
62	Health Care & Social Assistance	56,163	1,669,040	0.99
621	Ambulatory Health Care Services	28,309	806,893	1.03
6211	Offices of Physicians	7,027	184,862	1.12
621111	Offices of Physicians (exc. Mental Health Specialists)	5,898	147,150	1.18
621112	Offices of Physicians, Mental Health Specialists	1,129	37,712	0.88
6212	Offices of Dentists	1,162	38,576	0.89
6213	Offices of Other Health Practitioners	8,954	318,644	0.83
62131	Offices of Chiropractors	596	24,481	0.72

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
62132	Offices of Optometrists	619	12,527	1.45
62133	Offices of Mental Health Practitioners (exc. Physicians)	2,141	84,695	0.74
62134	Offices of Physical, Occupational and Speech Therapists & Audiologists	1,366	58,052	0.69
62139	Offices of All Other Health Practitioners	4,232	138,889	0.90
621391	Offices of Podiatrists	154	3,744	1.21
621399	Offices of All Other Miscellaneous Health Practitioners	4,078	135,145	0.89
6214	Outpatient Care Centers	315	10,833	0.85
6215	Medical & Diagnostic Laboratories	575	19,410	0.87
6216	Home Health Care Services	8,808	186,884	1.39
6219	Other Ambulatory Health Care Services	1,468	47,684	0.90
623	Nursing & Residential Care Facilities	1,322	54,419	0.71
624	Social Assistance	26,532	807,729	0.97
6241	Individual & Family Services	3,847	112,909	1.00
6242	Community Food & Housing, Emergency & Other Relief Services	193	5,533	1.03
6243	Vocational Rehabilitation Services	353	11,022	0.94
6244	Child Day Care Services	22,139	678,265	0.96
71	Arts, Entertainment & Recreation	30,227	972,453	0.91
711	Performing Arts, Spectator Sports & Related Industries	25,143	828,803	0.89
7111	Performing Arts Companies	944	29,981	0.93
7112	Spectator Sports	4,391	91,577	1.41
7113	Promoters of Performing Arts, Sports & Similar Events	971	35,470	0.80
7114	Agents & Managers for Artists, Athletes, Entertainers & Other Public Figures	776	32,626	0.70
7115	Independent Artists, Writers & Performers	18,061	639,149	0.83
712	Museums, Historical Sites & Similar Institutions	142	5,552	0.75
713	Amusement, Gambling & Recreation Industries	4,942	138,099	1.05
7131	Amusement Parks & Arcades	198	5,442	1.07
7132	Gambling Industries	389	8,444	1.35
7139	Other Amusement & Recreation Industries	4,355	124,213	1.03
72	Accommodation & Food Services	8,367	279,393	0.88
721	Accommodation	1,455	55,948	0.76
7211	Traveler Accommodation	824	35,557	0.68
7212	Recreational Vehicle Parks & Recreational Camps	208	6,713	0.91
7213	Rooming & Boarding Houses	423	13,678	0.91

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
722	Food Services & Drinking Places	6,912	223,444	0.91
7221	Full-Service Restaurants	695	36,940	0.55
7222	Limited-Service Eating Places	1,181	47,240	0.73
7223	Special Food Services	3,930	114,738	1.01
7224	Drinking Places (Alcoholic Beverages)	1,106	24,526	1.33
81	Other Services (exc. Public Administration)	89,097	2,872,927	0.91
811	Repair & Maintenance	23,479	691,494	1.00
8111	Automotive Repair & Maintenance	10,037	288,935	1.02
81111	Automotive Mechanical & Electrical Repair & Maintenance	4,760	143,190	0.98
81112	Automotive Body, Paint, Interior & Glass Repair	3,001	77,551	1.14
81119	Other Automotive Repair & Maintenance	2,276	68,194	0.98
8112	Electronic & Precision Eqpt. Repair & Maintenance	1,556	45,340	1.01
8113	Commercial & Industrial Machinery & Eqpt. (exc. Automotive & Electronic) Repair & Maintenance	2,168	54,987	1.16
8114	Personal & Household Goods Repair & Maintenance	9,718	302,232	0.95
81141	Home & Garden Eqpt. & Appliance Repair & Maintenance	1,393	47,610	0.86
81142	Reupholstery & Furniture Repair	822	24,612	0.98
81143	Footwear & Leather Goods Repair	116	4,149	0.82
81149	Other Personal & Household Goods Repair & Maintenance	7,387	225,861	0.96
812	Personal & Laundry Services	58,660	1,995,580	0.86
8121	Personal Care Services	24,353	827,141	0.87
81211	Hair, Nail & Skin Care Services	20,492	703,225	0.86
812111	Barber Shops	3,949	91,389	1.27
812112	Beauty Salons	13,957	479,975	0.85
812113	Nail Salons	2,586	131,861	0.58
81219	Other Personal Care Services	3,861	123,916	0.92
8122	Death Care Services	630	15,032	1.23
81221	Funeral Homes & Funeral Services	508	12,109	1.23
81222	Cemeteries & Crematories	122	2,923	1.23
8123	Drycleaning & Laundry Services	767	35,686	0.63
81231	Coin-Operated Laundries & Drycleaners	361	14,856	0.71
81232	Drycleaning & Laundry Services (exc. Coin-Operated)	356	18,742	0.56
81233	Linen & Uniform Supply	50	2,088	0.70
8129	Other Personal Services	32,910	1,117,721	0.87

Table A6: Concentration Ratios - Ohio::U.S. Self-employed Establishments, 2005

NAICS Code	Industry Description	Ohio	U.S.	Concentration Ratio
81291	Pet Care (exc. Veterinary) Services	2,088	48,764	1.26
81292	Photofinishing	506	14,535	1.02
81293	Parking Lots & Garages	167	4,221	1.16
81299	All Other Personal Services	30,149	1,050,201	0.84
813	Religious, Grantmaking, Civic, Professional & Similar Organizations	6,958	185,856	1.10

Notes: Exc. - except; P - part; * - excludes railroads.

Source: U.S. Bureau of the Census (2007b).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 7/07).

Table A7: Private Sector Firms in Ohio and Their Receipts by Employer Status, 2002

NAICS Code	Sector Description	Total Firms		Employer Firms		Self-employed Firms			
		Number	Receipts (000s)	Number	Receipts (000s)	Number	Percent of Total	Receipts (000s)	Percent of Total
	Total non-farm	817,693	\$894,945,540	201,515	\$870,605,473	616,178	75.4%	\$24,340,067	2.7%
	Non-farm goods producers	145,739	\$294,739,699	44,169	\$289,888,606	101,570	69.7%	\$4,851,093	1.6%
11p	Forestry, etc.*	5,469	\$429,683	390	\$204,742	5,079	92.9%	\$224,941	52.4%
21	Mining	4,020	\$2,790,593	664	\$2,654,786	3,356	83.5%	\$135,807	4.9%
23	Construction	108,732	\$44,146,780	27,107	\$40,182,918	81,625	75.1%	\$3,963,862	9.0%
31-33	Manufacturing	27,518	\$247,372,643	16,008	\$246,846,160	11,510	41.8%	\$526,483	0.2%
	Service providers	675,763	\$600,205,841	161,155	\$580,716,867	514,608	76.2%	\$19,488,974	3.2%
22	Utilities	551	\$23,231,985	156	\$23,212,563	395	71.7%	\$19,422	0.1%
42	Wholesale trade	26,084	\$169,650,907	13,343	\$168,779,844	12,741	48.8%	\$871,063	0.5%
44-45	Retail trade	99,374	\$123,351,709	26,299	\$120,868,075	73,075	73.5%	\$2,483,634	2.0%
48-49p	Transportation & warehousing^	39,065	\$16,813,126	6,519	\$15,183,352	32,546	83.3%	\$1,629,774	9.7%
51	Information	9,099	\$22,304,413	2,137	\$22,138,742	6,962	76.5%	\$165,671	0.7%
52	Finance & insurance	31,479	\$97,383,371	9,548	\$96,284,103	21,931	69.7%	\$1,099,268	1.1%
53	Real estate & rental & leasing	76,424	\$15,763,425	7,865	\$9,922,724	68,559	89.7%	\$5,840,701	37.1%
54	Professional, scientific, & technical services	104,354	\$26,949,417	23,672	\$24,355,984	80,682	77.3%	\$2,593,433	9.6%
55	Management of companies & enterprises	1,378	\$4,492,668	1,378	\$4,492,668	0	0.0%	\$0	0.0%
56	Administrative & support & waste management & remediation service	57,259	\$15,744,199	11,866	\$14,936,380	45,393	79.3%	\$807,819	5.1%
61	Educational services	15,002	\$5,230,948	2,356	\$5,095,141	12,646	84.3%	\$135,807	2.6%
62	Health care & social assistance	70,619	\$48,670,127	20,490	\$47,375,311	50,129	71.0%	\$1,294,816	2.7%
71	Arts, entertainment, & recreation	32,038	\$5,072,141	3,614	\$4,585,235	28,424	88.7%	\$486,906	9.6%
72	Accommodation & food services	23,746	\$15,450,339	16,636	\$15,092,344	7,110	29.9%	\$357,995	2.3%
81	Other services	88,649	\$9,915,612	14,634	\$8,212,947	74,015	83.5%	\$1,702,665	17.2%
99	Industries not classified	642	\$181,454	642	\$181,454	0	0.0%	\$0	0.0%

Notes: Employer totals are based on the 2002 Economic Census. Employer firms with more than one domestic establishment are counted in each industry and geographic area in which they operate. Consequently, the number of employer firms and the total number of firms for each sector sum to more than the subtotals and totals. However, sector receipts sum to the subtotals and the totals.

* - animal and crop production are excluded; ^ - railroads and the U.S. Postal Service are excluded; p - part.

Source: U.S. Bureau of the Census (2006c).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 4/07).

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
	Total (exc. Farms)			623,622	\$24,424,074		
111 & 112	Farms*	16,585	n.a.	61,212	n.a.	78.7%	n.a.
111	Crop Production	9,905	n.a.	35,334	n.a.	78.1%	n.a.
1111	Oilseed & Grain Farming	5,045	n.a.	19,059	n.a.	79.1%	n.a.
1112	Vegetable & Melon Farming	457	n.a.	829	n.a.	64.5%	n.a.
1113	Fruit & Tree Nut Farming	385	n.a.	788	n.a.	67.2%	n.a.
1114	Greenhouse, Nursery & Floriculture Production	1,422	n.a.	1,533	n.a.	51.9%	n.a.
1119	Other Crop Farming	2,596	n.a.	13,125	n.a.	83.5%	n.a.
11191	Tobacco	577	n.a.	511	n.a.	47.0%	n.a.
11192	Cotton Farming	0	\$0	0	\$0	n.a.	n.a.
11193,4,9	Sugarcane, Hay & All Other Crop Farming	2,019	n.a.	12,614	n.a.	86.2%	n.a.
112	Animal Production	6,680	n.a.	25,878	n.a.	79.5%	n.a.
112111	Beef Cattle Ranching & Farming	1,476	n.a.	9,050	n.a.	86.0%	n.a.
112112	Cattle Feedlots	899	n.a.	3,292	n.a.	78.5%	n.a.
11212	Dairy Cattle & Milk Production	1,611	n.a.	2,160	n.a.	57.3%	n.a.
1122	Hog & Pig Farming	495	n.a.	1,286	n.a.	72.2%	n.a.
1123	Poultry & Egg Production	327	n.a.	673	n.a.	67.3%	n.a.
1124	Sheep & Goat Farming	332	n.a.	1,600	n.a.	82.8%	n.a.
1125,9	Aquaculture & Other Animal Production	1,540	n.a.	7,817	n.a.	83.5%	n.a.
11p	Forestry, Fishing, Hunting & Agriculture Support (exc. Crop & Animal Production)*	379	n.a.	5,080	\$224,944	93.1%	n.a.
113	Forestry & Logging	140	n.a.	1,611	\$124,226	92.0%	n.a.
114	Fishing, Hunting & Trapping	15	n.a.	673	\$13,150	97.8%	n.a.
1141	Fishing	10	n.a.	469	\$8,537	97.9%	n.a.
1142	Hunting & Trapping	5	n.a.	204	\$4,613	97.6%	n.a.
115	Support Activities for Agriculture & Forestry	224	n.a.	2,796	\$87,568	92.6%	n.a.
1151	Support Activities for Crop Production	78	n.a.	961	\$26,157	92.5%	n.a.
1152	Support Activities for Animal Production	134	n.a.	1,579	\$51,133	92.2%	n.a.
1153	Support Activities for Forestry	12	n.a.	256	\$10,278	95.5%	n.a.
21	Mining	777	\$2,421,333	3,356	\$135,807	81.2%	5.3%
211	Oil and Gas Extraction	225	\$868,366	3,067	\$118,462	93.2%	12.0%
212	Mining (exc. Oil & Gas)	344	\$1,410,973	104	\$6,491	23.2%	0.5%
2121	Coal Mining	58	\$662,460	26	\$665	31.0%	0.1%
2122	Metal Ore Mining	0	\$0	10	\$352	100.0%	100.0%
2123	Nonmetallic Mineral Mining & Quarrying	286	\$748,513	68	\$5,484	19.2%	0.7%
213	Support Activities for Mining	208	\$141,994	185	\$10,854	47.1%	7.1%
23	Construction	26,855	\$40,273,765	82,485	\$3,964,903	75.4%	9.0%
236	Construction of Buildings	7,729	\$16,532,613	16,822	\$1,267,142	68.5%	7.1%
2361	Residential Building Construction	6,183	\$8,075,788	14,550	\$1,123,830	70.2%	12.2%
2362	Nonresidential Building Construction	1,546	\$8,456,824	2,272	\$143,312	59.5%	1.7%
237	Heavy & Civil Engineering Construction	1,725	\$6,638,404	2,366	\$264,336	57.8%	3.8%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab- lishments	Receipts (000s)	Estab- lishments	Receipts (000s)	Estab- lishments	Receipts
2371	Utility System Construction	815	\$2,581,074	300	\$15,071	26.9%	0.6%
2372	Land Subdivision	274	\$565,511	1,070	\$197,581	79.6%	25.9%
2373	Highway, Street & Bridge Construction	366	\$3,046,657	208	\$7,873	36.2%	0.3%
2379	Other Heavy & Civil Engineering Construction	270	\$445,162	788	\$43,811	74.5%	9.0%
238	Specialty Trade Contractors	17,400	\$17,102,748	63,297	\$2,433,425	78.4%	12.5%
2381	Foundation, Structure & Building Exterior Contractors	4,774	\$4,109,945	12,370	\$512,648	72.2%	11.1%
2382	Building Eqpt. Contractors	5,653	\$7,752,647	8,429	\$324,577	59.9%	4.0%
23821	Electrical Contractors	1,885	\$2,657,363	3,716	\$110,479	66.3%	4.0%
23822	Plumbing, Heating & Air-Conditioning Contractors	3,514	\$4,646,807	4,318	\$202,387	55.1%	4.2%
23829	Other Building Eqpt. Contractors	255	\$448,477	395	\$11,711	60.8%	2.5%
2383	Building Finishing Contractors	4,314	\$3,089,047	25,674	\$904,000	85.6%	22.6%
2389	Other Specialty Trade Contractors	2,658	\$2,151,109	16,824	\$692,200	86.4%	24.3%
31-33	Manufacturing	17,494	\$243,903,865	11,511	\$526,484	39.7%	0.2%
32-33p	Durable Goods Mfg.	11,932	\$162,771,929	8,165	\$395,637	40.6%	0.2%
321	Wood Product Mfg.	684	\$2,511,337	1,549	\$93,125	69.4%	3.6%
327	Nonmetallic Mineral Product Mfg.	829	\$5,874,857	289	\$8,481	25.8%	0.1%
3271	Clay Product & Refractory Mfg.	134	\$1,051,332	91	\$1,434	40.4%	0.1%
3272	Glass & Glass Product Mfg.	120	\$1,808,359	101	\$2,729	45.7%	0.2%
3273	Cement & Concrete Product Mfg.	397	\$1,564,460	43	\$1,895	9.8%	0.1%
3274	Lime & Gypsum Product Mfg.	19	\$219,975	4	\$175	17.4%	0.1%
3279	Other Nonmetallic Mineral Product Mfg.	159	\$1,230,731	50	\$2,248	23.9%	0.2%
331	Primary Metal Mfg.	467	\$15,916,537	200	\$11,422	30.0%	0.1%
332	Fabricated Metal Product Mfg.	4,221	\$22,187,619	1,688	\$92,573	28.6%	0.4%
333	Machinery Mfg.	2,076	\$15,578,427	752	\$36,920	26.6%	0.2%
334	Computer & Electronic Product Mfg.	515	\$7,489,862	196	\$8,771	27.6%	0.1%
335	Electrical Eqpt., Appliance & Component Mfg.	359	\$9,342,021	257	\$11,931	41.7%	0.1%
336	Transportation Eqpt. Mfg.	738	\$75,438,830	113	\$7,716	13.3%	0.0%
337	Furniture & Related Product Mfg.	808	\$3,496,102	652	\$39,283	44.7%	1.1%
339	Miscellaneous Mfg.	1,235	\$4,936,337	2,469	\$85,415	66.7%	1.7%
3391	Medical Eqpt. & Supplies Mfg.	428	\$2,277,861	148	\$9,393	25.7%	0.4%
3399	Other Miscellaneous Mfg.	807	\$2,658,476	2,321	\$76,022	74.2%	2.8%
31-32p	Non-durable goods Mfg.	5,562	\$81,131,936	3,346	\$130,847	37.6%	0.2%
311	Food Mfg.	994	\$19,431,699	656	\$21,730	39.8%	0.1%
3111	Animal Food Mfg.	66	\$1,410,156	37	\$2,498	35.9%	0.2%
3112	Grain & Oilseed Milling	32	\$2,868,993	10	\$614	23.8%	0.0%
3113	Sugar & Confectionery Product Mfg.	83	D	44	\$1,959	34.6%	n.a.
3114	Fruit & Vegetable Preserving & Specialty Food Mfg.	66	\$4,987,587	50	\$2,729	43.1%	0.1%
3115	Dairy Product Mfg.	62	\$2,444,610	14	\$544	18.4%	0.0%
3116	Animal Slaughtering & Processing	141	\$1,857,842	69	\$1,519	32.9%	0.1%
3117	Seafood Product Preparation & Packaging	2	D	15	\$818	88.2%	n.a.
3118	Bakeries & Tortilla Mfg.	404	\$2,570,147	290	\$8,047	41.8%	0.3%
3119	Other Food Mfg.	138	\$3,044,856	127	\$3,002	47.9%	0.1%

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NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
312	Beverage & Tobacco Product Mfg.	70	\$3,844,417	40	\$3,671	36.4%	0.1%
313	Textile Mills	83	\$375,644	51	\$692	38.1%	0.2%
314	Textile Product Mills	251	\$485,803	56	\$2,043	18.2%	0.4%
315	Apparel Mfg.	122	\$292,274	648	\$10,733	84.2%	3.5%
316	Leather & Allied Product Mfg.	29	\$144,106	116	\$4,133	80.0%	2.8%
3161	Leather & Hide Tanning & Finishing			31	\$1,409		
3162	Footwear Mfg.	6	\$22,176	11	\$188	87.5%	6.7%
3169	Other Leather & Allied Product Mfg.	23	\$121,930	74	\$2,536	76.3%	2.0%
322	Paper Mfg.	362	\$6,936,776	63	\$2,431	14.8%	0.0%
323	Printing & Related Support Activities	1,590	\$4,712,739	1,062	\$48,605	40.0%	1.0%
324	Petroleum & Coal Products Mfg.	179	\$8,445,759	55	\$2,477	23.5%	0.0%
325	Chemical Mfg.	727	\$21,142,905	260	\$12,165	26.3%	0.1%
3251	Basic Chemical Mfg.	144	\$3,768,995	30	\$1,558	17.2%	0.0%
3252	Resin, Synthetic Rubber & Artificial Synthetic Fibers & Filaments Mfg.	65	\$2,887,724	13	\$2,065	16.7%	0.1%
3253	Pesticide, Fertilizer & Other Agricultural Chemical Mfg.	26	\$755,273	11	\$743	29.7%	0.1%
3254	Pharmaceutical & Medicine Mfg.	36	\$1,278,326	27	\$1,044	42.9%	0.1%
3255	Paint, Coating & Adhesive Mfg.	143	\$3,102,866	56	\$2,219	28.1%	0.1%
3256	Soap, Cleaning Compound & Toilet Preparation Mfg.	112	\$7,351,368	43	\$1,373	27.7%	0.0%
3259	Other Chemical Product & Preparation Mfg.	201	\$1,998,353	80	\$3,163	28.5%	0.2%
326	Plastics & Rubber Products Mfg.	1,155	\$15,319,814	339	\$22,167	22.7%	0.1%
22	Utilities	602	Q	395	\$19,422	39.6%	n.a.
42	Wholesale Trade	16,000	\$166,446,529	12,742	\$871,077	44.3%	0.5%
423	Merchant Wholesalers, Durable Goods	10,149	\$78,589,846	7,069	\$541,372	41.1%	0.7%
4231	Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers	1,089	\$23,654,741	452	\$39,945	29.3%	0.2%
4232	Furniture & Home Furnishing Merchant Wholesalers	377	\$2,191,247	542	\$34,952	59.0%	1.6%
4233	Lumber & Other Construction Materials Merchant Wholesalers	700	\$3,750,348	283	\$38,057	28.8%	1.0%
4234	Professional & Commercial Eqpt. & Supplies Merchant Wholesalers	1,270	\$10,886,241	429	\$37,907	25.3%	0.3%
4235	Metal & Mineral (exc. Petroleum) Merchant Wholesalers	659	\$8,704,065	188	\$19,958	22.2%	0.2%
4236	Electrical & Electronic Goods Merchant Wholesalers	1,073	\$6,757,488	278	\$20,893	20.6%	0.3%
4237	Hardware & Plumbing & Heating Eqpt. & Supplies Merchant Wholesalers	797	\$3,506,149	249	\$19,014	23.8%	0.5%
4238	Machinery, Eqpt. & Supplies Merchant Wholesalers	3,039	\$14,058,459	1,038	\$102,577	25.5%	0.7%
4239	Miscellaneous Durable Goods Merchant Wholesalers	1,145	\$5,081,108	3,610	\$228,069	75.9%	4.3%
42391	Sporting & Recreational Goods & Supplies Merchant Wholesalers	175	\$842,809	366	\$23,801	67.7%	2.7%
42392	Toy & Hobby Goods & Supplies Merchant Wholesalers	91	\$233,106	380	\$12,855	80.7%	5.2%
42393	Recyclable Material Merchant Wholesalers	419	\$2,217,659	198	\$13,109	32.1%	0.6%
42394	Jewelry, Watch, Precious Stone & Precious Metal Merchant Wholesalers	137	\$411,745	337	\$21,802	71.1%	5.0%
42399	Other Miscellaneous Durable Goods Merchant Wholesalers	323	\$1,375,789	2,329	\$156,502	87.8%	10.2%
424	Merchant Wholesalers, Nondurable Goods	4,316	\$70,045,056	4,908	\$296,199	53.2%	0.4%
4241	Paper & Paper Product Merchant Wholesalers	611	\$8,111,921	319	\$19,897	34.3%	0.2%
4242	Drugs & Druggists' Sundries Merchant Wholesalers	187	\$10,958,777	114	\$5,095	37.9%	0.0%
4243	Apparel, Piece Goods & Notions Merchant Wholesalers	221	\$1,313,864	463	\$22,184	67.7%	1.7%
4244	Grocery & Related Product Wholesalers	943	\$22,240,884	749	\$89,164	44.3%	0.4%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
4245	Farm Product Raw Material Merchant Wholesalers	257	\$2,580,562	101	\$5,835	28.2%	0.2%
4246	Chemical & Allied Products Merchant Wholesalers	678	\$5,750,342	205	\$14,151	23.2%	0.2%
4247	Petroleum & Petroleum Products Merchant Wholesalers	228	\$8,994,224	83	\$4,977	26.7%	0.1%
4248	Beer, Wine & Distilled Alcoholic Beverage Merchant Wholesalers	127	\$2,551,232	55	\$2,552	30.2%	0.1%
4249	Miscellaneous Nondurable Goods Merchant Wholesalers	1,064	\$7,543,250	2,819	\$132,344	72.6%	1.7%
42491	Farm Supplies Merchant Wholesalers	275	\$1,330,951	112	\$6,976	28.9%	0.5%
42492	Book, Periodical & Newspaper Merchant Wholesalers	104	\$587,400	820	\$15,555	88.7%	2.6%
42493	Flower, Nursery Stock & Florists' Supplies Merchant Wholesalers	152	\$334,724	248	\$12,233	62.0%	3.5%
42494	Tobacco & Tobacco Product Merchant Wholesalers	70	\$3,684,493	41	\$2,505	36.9%	0.1%
42495	Paint, Varnish & Supplies Merchant Wholesalers	96	\$430,986	41	\$4,519	29.9%	1.0%
42499	Other Miscellaneous Nondurable Goods Merchant Wholesalers	367	\$1,174,696	1,557	\$90,556	80.9%	7.2%
425	Wholesale Electronic Markets & Agents & Brokers	1,535	\$17,811,627	765	\$33,506	33.3%	0.2%
42511	Business to Business Electronic Markets	2	D	43	\$1,439	95.6%	n.a.
42512	Wholesale Trade Agents & Brokers	1,533	\$17,519,610 ^	722	\$32,067	32.0%	0.2%
44-45	Retail Trade	42,280	\$119,778,409	73,081	\$2,483,650	63.3%	2.0%
441	Motor Vehicle & Parts Dealers	4,909	\$30,790,155	4,693	\$612,752	48.8%	2.0%
4411	Automobile Dealers	2,187	\$26,831,549	2,774	\$463,873	55.9%	1.7%
44111	New Car Dealers	1,148	\$24,831,812	0	\$0	0.0%	0.0%
44112	Used Car Dealers	1,039	\$1,999,737	2,774	\$463,873	72.8%	18.8%
4412	Other Motor Vehicle Dealers	527	\$1,614,706	950	\$71,686	64.3%	4.3%
44121	Recreational Vehicle Dealers	114	\$439,014	121	\$11,426	51.5%	2.5%
44122	Motorcycle, Boat & Other Motor Vehicle Dealers	413	\$1,175,692	829	\$60,260	66.7%	4.9%
441221	Motorcycle Dealers	195	\$714,293	151	\$8,584	43.6%	1.2%
441222	Boat Dealers	147	\$342,633	82	\$6,183	35.8%	1.8%
441229	All Other Motor Vehicle Dealers	71	\$118,766	596	\$45,493	89.4%	27.7%
4413	Automotive Parts, Accessories & Tire Stores	2,195	\$2,343,900	969	\$77,193	30.6%	3.2%
442	Furniture & Home Furnishings Stores	2,301	\$3,289,565	1,538	\$100,203	40.1%	3.0%
4421	Furniture Stores	996	\$1,906,721	486	\$37,033	32.8%	1.9%
4422	Home Furnishings Stores	1,305	\$1,382,844	1,052	\$63,170	44.6%	4.4%
443	Electronics & Appliance Stores	1,769	\$3,055,139	1,008	\$52,389	36.3%	1.7%
44311	Appliance, Television & Other Electronics Stores	1,246	\$2,345,135	596	\$31,457	32.4%	1.3%
443111	Household Appliance Stores	383	\$710,650	214	\$11,892	35.8%	1.6%
443112	Radio, Television & Other Electronics Stores	863	\$1,634,485	382	\$19,565	30.7%	1.2%
44312	Computer & Software Stores	408	\$611,995	377	\$18,464	48.0%	2.9%
44313	Camera & Photographic Supplies Stores	115	\$98,009	35	\$2,468	23.3%	2.5%
444	Building Material & Garden Eqpt. & Supplies Dealers	3,669	\$9,193,289	1,214	\$90,312	24.9%	1.0%
4441	Building Material & Supplies Dealers	2,773	\$7,957,487	834	\$65,392	23.1%	0.8%
44411	Home Centers	208	\$3,375,836	66	\$2,431	24.1%	0.1%
44412	Paint & Wallpaper Stores	401	\$315,028	50	\$4,278	11.1%	1.3%
44413	Hardware Stores	640	\$617,197	143	\$15,036	18.3%	2.4%
44419	Other Building Material Dealers	1,524	\$3,649,426	575	\$43,647	27.4%	1.2%
4442	Lawn & Garden Eqpt. & Supplies Stores	896	\$1,235,802	380	\$24,920	29.8%	2.0%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
445	Food & Beverage Stores	5,757	\$17,465,206	2,521	\$195,154	30.5%	1.1%
4451	Grocery Stores	3,930	\$16,344,771	929	\$96,090	19.1%	0.6%
4452	Specialty Food Stores	920	\$432,901	1,075	\$65,564	53.9%	13.2%
44521	Meat Markets	n.a.	n.a.	68	\$4,984	n.a.	n.a.
44522	Fish & Seafood Markets	n.a.	n.a.	23	\$1,246	n.a.	n.a.
44523	Fruit & Vegetable Markets	n.a.	n.a.	174	\$11,003	n.a.	n.a.
44529	Other Specialty Food Stores	n.a.	n.a.	810	\$48,331	n.a.	n.a.
4453	Beer, Wine & Liquor Stores	907	\$687,534	247	\$33,500	21.4%	4.6%
446	Health & Personal Care Stores	3,284	\$7,809,855	3,618	\$57,488	52.4%	0.7%
44611	Pharmacies & Drug Stores	1,622	\$6,815,133	66	\$4,278	3.9%	0.1%
44612	Cosmetics, Beauty Supplies & Perfume Stores	401	\$234,985	2,332	\$22,567	85.3%	8.8%
44613	Optical Goods Stores	545	\$259,785	61	\$2,682	10.1%	1.0%
44619	Other Health & Personal Care Stores	716	\$499,952	1,159	\$27,961	61.8%	5.3%
447	Gasoline Stations	4,460	\$10,446,369	184	\$28,172	4.0%	0.3%
448	Clothing & Clothing Accessories Stores	5,139	\$5,106,606	2,377	\$109,248	31.6%	2.1%
4481	Clothing Stores	2,901	\$3,444,649	1,618	\$59,981	35.8%	1.7%
44811	Men's Clothing Stores	364	\$256,821	75	\$5,213	17.1%	2.0%
44812	Women's Clothing Stores	1,075	\$921,811	286	\$10,761	21.0%	1.2%
44813	Children's & Infants' Clothing Stores	212	\$246,882	117	\$3,349	35.6%	1.3%
44814	Family Clothing Stores	717	\$1,697,089	203	\$5,992	22.1%	0.4%
44815	Clothing Accessories Stores	188	\$65,398	342	\$10,992	64.5%	14.4%
44819	Other Clothing Stores	345	\$256,648	595	\$23,674	63.3%	8.4%
4482	Shoe Stores	1,135	\$783,037	82	\$6,485	6.7%	0.8%
4483	Jewelry, Luggage & Leather Goods Stores	1,103	\$878,920	677	\$42,782	38.0%	4.6%
44831	Jewelry Stores	1,057	\$843,799	626	\$40,024	37.2%	4.5%
44832	Luggage & Leather Goods Stores	46	\$35,121	51	\$2,758	52.6%	7.3%
451	Sporting Goods, Hobby, Book & Music Stores	2,377	\$2,615,802	4,120	\$163,955	63.4%	5.9%
4511	Sporting Goods, Hobby & Musical Instrument Stores	1,627	\$1,809,216	2,878	\$129,926	63.9%	6.7%
45111	Sporting Goods Stores	784	\$802,136	1,067	\$59,931	57.6%	7.0%
45112	Hobby, Toy & Game Stores	421	\$638,817	970	\$39,507	69.7%	5.8%
45113	Sewing, Needlework & Piece Goods Stores	221	\$176,931	601	\$13,593	73.1%	7.1%
45114	Musical Instrument & Supplies Stores	201	\$191,332	240	\$16,895	54.4%	8.1%
4512	Book, Periodical & Music Stores	750	\$806,586	1,242	\$34,029	62.3%	4.0%
45121	Book Stores & News Dealers	455	\$530,953	1,089	\$28,523	70.5%	5.1%
451211	Book Stores	397	\$508,570	368	\$14,942	48.1%	2.9%
451212	News Dealers & Newsstands	58	\$22,383	721	\$13,581	92.6%	37.8%
45122	Prerecorded Tape, Compact Disc & Record Stores	295	\$275,633	153	\$5,506	34.2%	2.0%
452	General Merchandise Stores	1,806	\$17,990,789	999	\$35,366	35.6%	0.2%
453	Miscellaneous Store Retailers	4,863	\$3,347,159	12,425	\$409,804	71.9%	10.9%
4531	Florists	958	\$278,345	802	\$23,672	45.6%	7.8%
4532	Office Supplies, Stationery & Gift Stores	1,637	\$1,362,139	3,386	\$81,846	67.4%	5.7%
45321	Office Supplies & Stationery Stores	316	\$806,372	260	\$11,800	45.1%	1.4%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
45322	Gift, Novelty & Souvenir Stores	1,321	\$555,767	3,126	\$70,046	70.3%	11.2%
4533	Used Merchandise Stores	630	\$268,386	2,424	\$65,568	79.4%	19.6%
4539	Other Miscellaneous Store Retailers	1,638	\$1,438,289	5,813	\$238,718	78.0%	14.2%
45391	Pet & Pet Supplies Stores	301	\$260,531	357	\$14,018	54.3%	5.1%
45392	Art Dealers	129	\$32,632	488	\$14,410	79.1%	30.6%
45393	Manufactured (Mobile) Home Dealers	152	\$284,884	87	\$6,290	36.4%	2.2%
45399	All Other Miscellaneous Store Retailers	1,056	\$860,242	4,881	\$204,000	82.2%	19.2%
454	Nonstore Retailers	1,946	\$8,668,475	38,654	\$628,807	95.2%	6.8%
4541	Electronic Shopping & Mail-Order Houses	536	\$6,831,007	1,740	\$57,443	76.4%	0.8%
4542	Vending Machine Operators	344	\$519,569	1,225	\$35,405	78.1%	6.4%
4543	Direct Selling Establishments	1,066	\$1,317,899	35,689	\$535,959	97.1%	28.9%
45431	Fuel Dealers	288	\$648,827	128	\$11,037	30.8%	1.7%
45439	Other Direct Selling Establishments	778	\$669,072	35,561	\$524,922	97.9%	44.0%
48-49	Transportation & Warehousing	7,459	\$15,546,563	32,547	\$1,629,778	81.4%	9.5%
481	Air Transportation	89	\$1,429,327	556	\$31,379	86.2%	2.1%
482	Rail Transportation	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
483	Water Transportation	43	D	212	\$7,776	83.1%	n.a.
484	Truck Transportation	4,756	\$8,113,675	19,732	\$1,315,752	80.6%	14.0%
4841	General Freight Trucking	2,691	\$6,158,740	17,008	\$1,146,767	86.3%	15.7%
48411	General Freight Trucking, Local	936	\$930,744	6,070	\$340,693	86.6%	26.8%
48412	General Freight Trucking, Long-Distance	1,755	\$5,227,996	10,938	\$806,074	86.2%	13.4%
4842	Specialized Freight Trucking	2,065	\$1,954,935	2,724	\$168,985	56.9%	8.0%
485	Transit & Ground Passenger Transportation	367	\$314,458	3,270	\$63,973	89.9%	16.9%
4851	Urban Transit Systems	18	D	24	\$759	57.1%	n.a.
4852	Interurban & Rural Bus Transportation	7	D	52	\$1,198	88.1%	n.a.
4853	Taxi & Limousine Service	153	\$71,137	2,033	\$37,132	93.0%	34.3%
4854	School & Employee Bus Transportation	51	\$78,729	271	\$3,407	84.2%	4.1%
4855	Charter Bus Industry	41	\$63,716	84	\$2,491	67.2%	3.8%
4859	Other Transit & Ground Passenger Transportation	97	\$67,283	806	\$18,986	89.3%	22.0%
486	Pipeline Transportation	69	D	18	\$1,697	20.7%	n.a.
487	Scenic & Sightseeing Transportation	43	D	108	\$2,925	71.5%	n.a.
488	Support Activities for Transportation	1,084	\$1,764,975	1,989	\$74,042	64.7%	4.0%
491	U.S. Postal Service	n.a.	n.a.	0	0	0.0%	0.0%
492	Couriers & Messengers	388	\$2,099,592	6,434	\$118,590	94.3%	5.3%
493	Warehousing & Storage	620	\$724,704	228	\$13,644	26.9%	1.8%
51	Information	4,205	N	6,963	\$165,687	62.3%	n.a.
511	Publishing Industries (exc. Internet)	989	\$5,757,572	2,520	\$47,976	71.8%	0.8%
512	Motion Picture & Sound Recording Industries	522	N	1,051	\$23,036	66.8%	n.a.
5121	Motion Picture & Video Industries	460	N	727	\$18,032	61.2%	n.a.
5122	Sound Recording Industries	62	N	324	\$5,004	83.9%	n.a.
515	Broadcasting (exc. Internet)	335	\$1,318,996	478	\$11,619	58.8%	0.9%
516	Internet Publishing & Broadcasting	47	\$745,855	309	\$4,906	86.8%	0.7%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
517	Telecommunications	1,676	N	641	\$22,904	27.7%	n.a.
518	Internet Service Providers, Web Search Portals & Data Processing Services	580	\$2,349,213	1,100	\$27,539	65.5%	1.2%
5181	Internet Service Providers & Web Search Portals	152	\$617,341	163	\$4,657	51.7%	0.7%
518111	Internet Service Providers	141	\$614,089	113	\$3,708	44.5%	0.6%
518112	Web Search Portals	11	\$3,252	50	\$949	82.0%	22.6%
5182	Data Processing, Hosting & Related Services	428	\$1,731,872	937	\$22,882	68.6%	1.3%
519	Other Information Services	56	\$63,113	864	\$27,707	93.9%	30.5%
52	Finance & Insurance	17,591	N	21,934	\$1,099,284	55.5%	n.a.
521	Monetary Authorities - Central Bank	3	\$1,376,222	0	\$0	0.0%	0.0%
522	Credit Intermediation & Related Activities	8,000	N	1,470	\$64,295	15.5%	n.a.
5221	Depository Credit Intermediation	5,034	N	246	\$5,133	4.7%	n.a.
5222	Nondepository Credit Intermediation	1,453	\$10,210,538	509	\$35,873	25.9%	0.4%
5223	Activities Related to Credit Intermediation	1,513	\$1,482,811	715	\$23,289	32.1%	1.5%
523	Securities, Commodity Contracts & Other Financial Investments & Related Activities	2,149	\$3,405,387	6,472	\$423,315	75.1%	11.1%
5231	Securities & Commodity Contracts Intermediation & Brokerage	1,164	\$2,280,515	D	D	n.a.	n.a.
52311	Investment Banking & Securities Dealing	127	\$246,589	210	\$21,321	62.3%	8.0%
52312	Securities Brokerage	1,009	\$2,010,921	587	\$44,517	36.8%	2.2%
52313	Commodity Contracts Dealing	6	\$3,904	D	D	n.a.	n.a.
52314	Commodity Contracts Brokerage	22	\$19,101	40	\$2,934	64.5%	13.3%
5232	Security & Commodity Exchanges	0	\$0	D	D	n.a.	n.a.
5239	Other Financial Investment Activities	985	\$1,124,872	5,584	\$331,338	85.0%	22.8%
524	Insurance Carriers & Related Activities	7,386	N	13,992	\$611,674	65.5%	n.a.
5241	Insurance Carriers	1,459	Q	38	\$2,719	2.5%	n.a.
5242	Agencies, Brokerages & Other Insurance Related Activities	5,927	\$3,915,062	13,954	\$608,955	70.2%	13.5%
52421	Insurance Agencies & Brokerages	5,504	\$2,990,458	10,231	\$492,510	65.0%	14.1%
52429	Other Insurance Related Activities	423	\$924,604	3,723	\$116,445	89.8%	11.2%
525	Funds, Trusts & Other Financial Vehicles	53	\$904,256	0	\$0	0.0%	0.0%
53	Real Estate & Rental & Leasing	10,244	\$9,768,869	68,561	\$5,840,715	87.0%	37.4%
531	Real Estate	7,642	\$6,369,749	65,607	\$5,647,368	89.6%	47.0%
5311	Lessors of Real Estate	3,626	\$3,568,107	32,844	\$4,196,472	90.1%	54.0%
5312	Offices of Real Estate Agents & Brokers	1,990	\$1,486,365	18,176	\$618,184	90.1%	29.4%
5313	Activities Related to Real Estate	2,026	\$1,315,277	14,587	\$832,712	87.8%	38.8%
53131	Real Estate Property Managers	1,216	\$930,199	3,338	\$181,853	73.3%	16.4%
53132	Offices of Real Estate Appraisers	491	\$245,062	1,525	\$63,890	75.6%	20.7%
53139	Other Activities Related to Real Estate	319	\$140,016	9,724	\$586,969	96.8%	80.7%
532	Rental & Leasing Services	2,542	\$3,315,836	2,916	\$189,942	53.4%	5.4%
5321	Automotive Eqpt. Rental & Leasing	483	\$1,489,426	751	\$44,156	60.9%	2.9%
5322	Consumer Goods Rental	1,394	\$814,484	464	\$17,280	25.0%	2.1%
53221	Consumer Electronics & Appliances Rental	269	\$221,801	41	\$1,450	13.2%	0.6%
53222	Formal Wear & Costume Rental	133	\$34,694	12	\$476	8.3%	1.4%
53223	Video Tape & Disc Rental	754	\$338,736	98	\$3,232	11.5%	0.9%
53229	Other Consumer Goods Rental	238	\$219,253	313	\$12,122	56.8%	5.2%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
5323	General Rental Centers	271	\$189,087	119	\$5,517	30.5%	2.8%
5324	Commercial & Industrial Machinery & Eqpt. Rental & Leasing	394	\$822,839	1,582	\$122,989	80.1%	13.0%
533	Lessors of Nonfinancial Intangible Assets (exc. Copyrighted Works)	60	\$83,284	38	\$3,405	38.8%	3.9%
54	Professional, Scientific & Technical Services	24,960	\$24,241,958	80,689	\$2,594,038	76.4%	9.7%
5411	Legal Services	5,832	\$4,985,153	8,049	\$415,763	58.0%	7.7%
5412	Accounting, Tax Preparation, Bookkeeping & Payroll Services	3,915	\$2,627,673	11,204	\$172,995	74.1%	6.2%
541211	Offices of Certified Public Accountants	2,070	\$1,797,289	1,445	\$47,684	41.1%	2.6%
541213	Tax Preparation Services	833	\$189,054	3,296	\$34,676	79.8%	15.5%
541214	Payroll Services	127	\$306,895	175	\$2,743	57.9%	0.9%
541219	Other Accounting Services	885	\$334,435	6,288	\$87,892	87.7%	20.8%
5413	Architectural, Engineering & Related Services	3,508	\$4,524,448	7,085	\$225,113	66.9%	4.7%
54131	Architectural Services	683	\$712,046	1,121	\$47,640	62.1%	6.3%
54132	Landscape Architectural Services	165	\$87,629	1,079	\$25,375	86.7%	22.5%
54133	Engineering Services	1,880	\$3,070,930	3,252	\$113,088	63.4%	3.6%
54134	Drafting Services	87	\$22,732	740	\$15,666	89.5%	40.8%
54135	Building Inspection Services	149	\$111,222	384	\$10,703	72.0%	8.8%
54136	Geophysical Surveying & Mapping Services	10	\$9,840	70	\$1,695	87.5%	14.7%
54137	Surveying and Mapping (exc. Geophysical) Services	283	\$116,064	344	\$7,663	54.9%	6.2%
54138	Testing Laboratories	251	\$393,985	95	\$3,283	27.5%	0.8%
5414	Specialized Design Services	986	\$549,030	4,403	\$125,981	81.7%	18.7%
5415	Computer Systems Design & Related Services	2,986	\$4,243,544	8,111	\$285,896	73.1%	6.3%
5416	Management, Scientific & Technical Consulting Services	3,665	\$2,971,187	14,404	\$488,209	79.7%	14.1%
5417	Scientific Research & Development Services	460	\$1,278,627	793	\$24,294	63.3%	1.9%
5418	Advertising & Related Services	1,259	\$1,616,223	3,656	\$160,120	74.4%	9.0%
5419	Other Professional, Scientific & Technical Services	2,349	\$1,446,073	22,984	\$695,667	90.7%	32.5%
54191	Marketing Research & Public Opinion Polling	198	\$427,466	768	\$26,220	79.5%	5.8%
54192	Photographic Services	757	\$227,316	2,434	\$59,084	76.3%	20.6%
54193	Translation & Interpretation Services	22	\$20,403	686	\$11,350	96.9%	35.7%
54194	Veterinary Services	1,008	\$631,095	412	\$19,400	29.0%	3.0%
54199	All Other Professional, Scientific & Technical Services	364	\$139,793	18,684	\$579,613	98.1%	80.6%
55	Management of Companies & Enterprises	1,955	\$3,197,280	0	\$0	0.0%	0.0%
56	Administrative Support & Waste Management & Remediation Services	13,394	\$14,367,529	45,399	\$807,846	77.2%	5.3%
561	Administrative Support Services	12,644	\$12,015,890	44,607	\$766,568	77.9%	6.0%
5611	Office Administrative Services	703	\$1,208,903	4,789	\$56,206	87.2%	4.4%
5612	Facilities Support Services	107	\$226,178	680	\$17,256	86.4%	7.1%
5613	Employment Services	1,731	\$3,854,142	928	\$27,764	34.9%	0.7%
5614	Business Support Services	1,135	\$1,515,576	6,239	\$137,307	84.6%	8.3%
56141	Document Preparation Services	191	\$91,505	1,718	\$18,231	90.0%	16.6%
56142	Telephone Call Centers	210	\$478,728	632	\$10,499	75.1%	2.1%
56143	Business Service Centers	271	\$233,293	477	\$13,405	63.8%	5.4%
56144	Collection Agencies	207	\$410,479	192	\$7,608	48.1%	1.8%
56145	Credit Bureaus	42	\$144,277	11	\$109	20.8%	0.1%

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NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
56149	Other Business Support Services	214	\$157,294	3,209	\$87,455	93.7%	35.7%
5615	Travel Arrangement & Reservation Services	892	\$463,812	875	\$26,010	49.5%	5.3%
5616	Investigation & Security Services	692	\$890,813	3,371	\$30,441	83.0%	3.3%
5617	Services to Buildings & Dwellings	6,520	\$2,831,382	25,481	\$409,070	79.6%	12.6%
56171	Exterminating & Pest Control Services	244	\$132,196	203	\$6,455	45.4%	4.7%
56172	Janitorial Services	2,219	\$1,092,522	14,950	\$192,314	87.1%	15.0%
56173	Landscaping Services	3,404	\$1,367,925	7,395	\$140,092	68.5%	9.3%
56174	Carpet & Upholstery Cleaning Services	358	\$121,722	718	\$19,790	66.7%	14.0%
56179	Other Services to Buildings & Dwellings	295	\$117,017	2,215	\$50,419	88.2%	30.1%
5619	Other Support Services	864	\$1,025,084	2,244	\$62,514	72.2%	5.7%
562	Waste Management & Remediation Services	750	\$2,351,639	792	\$41,278	51.4%	1.7%
61	Educational Services	1,649	\$776,310	12,649	\$135,815	88.5%	14.9%
62	Health Care & Social Assistance	26,415	\$50,262,849	50,134	\$1,294,832	65.5%	2.5%
621	Ambulatory Health Care Services	18,521	\$18,705,427	23,588	\$935,563	56.0%	4.8%
6211	Offices of Physicians	7,784	\$9,851,406	6,472	\$386,609	45.4%	3.8%
621111	Offices of Physicians (exc. Mental Health Specialists)	7,413	\$9,703,653	5,415	\$333,642	42.2%	3.3%
621112	Offices of Physicians, Mental Health Specialists	371	\$147,753	1,057	\$52,967	74.0%	26.4%
6212	Offices of Dentists	4,358	\$2,622,977	975	\$53,198	18.3%	2.0%
6213	Offices of Other Health Practitioners	3,893	\$1,531,504	8,161	\$292,140	67.7%	16.0%
62131	Offices of Chiropractors	1,189	\$334,995	536	\$27,198	31.1%	7.5%
62132	Offices of Optometrists	896	\$393,570	558	\$34,736	38.4%	8.1%
62133	Offices of Mental Health Practitioners (exc. Physicians)	457	\$152,109	2,071	\$75,025	81.9%	33.0%
62134	Offices of Physical, Occupational and Speech Therapists & Audiologists	641	\$435,761	1,242	\$33,720	66.0%	7.2%
62139	Offices of All Other Health Practitioners	710	\$215,069	3,754	\$121,461	84.1%	36.1%
621391	Offices of Podiatrists	493	\$153,462	144	\$7,710	22.6%	4.8%
621399	Offices of All Other Miscellaneous Health Practitioners	217	\$61,607	3,610	\$113,751	94.3%	64.9%
6214	Outpatient Care Centers	992	\$1,972,924	237	\$26,613	19.3%	1.3%
6215	Medical & Diagnostic Laboratories	377	\$751,381	465	\$34,266	55.2%	4.4%
6216	Home Health Care Services	749	\$1,312,072	5,655	\$102,267	88.3%	7.2%
6219	Other Ambulatory Health Care Services	368	\$663,163	1,623	\$40,470	81.5%	5.8%
622	Hospitals	224	\$21,487,897	0	\$0	0.0%	0.0%
623	Nursing & Residential Care Facilities	2,930	\$6,787,269	1,150	\$44,712	28.2%	0.7%
624	Social Assistance	4,740	\$3,282,256	25,396	\$314,557	84.3%	8.7%
6241	Individual & Family Services	1,783	\$1,818,756	3,044	\$43,099	63.1%	2.3%
6242	Community Food & Housing, Emergency & Other Relief Services	459	\$356,473	152	\$2,115	24.9%	0.6%
6243	Vocational Rehabilitation Services	316	\$329,954	341	\$7,603	51.9%	2.3%
6244	Child Day Care Services	2,182	\$777,073	21,859	\$261,740	90.9%	25.2%
71	Arts, Entertainment & Recreation	3,858	\$4,544,038	28,425	\$486,908	88.0%	9.7%
711	Performing Arts, Spectator Sports & Related Industries	853	\$1,766,155	23,421	\$326,560	96.5%	15.6%
7111	Performing Arts Companies	218	\$262,103	866	\$16,083	79.9%	5.8%
7112	Spectator Sports	161	\$998,913	4,831	\$77,297	96.8%	7.2%
7113	Promoters of Performing Arts, Sports & Similar Events	222	\$305,247	827	\$24,266	78.8%	7.4%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab-lishments	Receipts (000s)	Estab-lishments	Receipts (000s)	Estab-lishments	Receipts
7114	Agents & Managers for Artists, Athletes, Entertainers & Other Public Figures	44	\$157,061	714	\$13,418	94.2%	7.9%
7115	Independent Artists, Writers & Performers	208	\$42,831	16,183	\$195,496	98.7%	82.0%
712	Museums, Historical Sites & Similar Institutions	249	\$397,938	132	\$2,301	34.6%	0.6%
713	Amusement, Gambling & Recreation Industries	2,756	\$2,379,945	4,872	\$158,047	63.9%	6.2%
7131	Amusement Parks & Arcades	97	\$597,488	188	\$8,029	66.0%	1.3%
7132	Gambling Industries	19	\$25,893	386	\$38,762	95.3%	60.0%
7139	Other Amusement & Recreation Industries	2,640	\$1,756,564	4,298	\$111,256	61.9%	6.0%
72	Accommodation & Food Services	22,663	\$14,875,890	7,112	\$358,017	23.9%	2.4%
721	Accommodation	1,703	\$1,939,355	1,313	\$89,671	43.5%	4.4%
7211	Traveler Accommodation	1,353	\$1,836,838	737	\$70,460	35.3%	3.7%
7212	Recreational Vehicle Parks & Recreational Camps	231	\$68,480	231	\$11,284	50.0%	14.1%
7213	Rooming & Boarding Houses	119	\$34,037	345	\$7,927	74.4%	18.9%
722	Food Services & Drinking Places	20,960	\$12,936,535	5,799	\$268,346	21.7%	2.0%
7221	Full-Service Restaurants	6,947	\$5,546,174	650	\$64,804	8.6%	1.2%
7222	Limited-Service Eating Places	9,715	\$5,865,874	1,083	\$67,198	10.0%	1.1%
7223	Special Food Services	1,162	\$826,365	3,115	\$80,693	72.8%	8.9%
7224	Drinking Places (Alcoholic Beverages)	3,136	\$698,122	951	\$55,651	23.3%	7.4%
81	Other Services (exc. Public Administration)	21,140	\$11,023,900	80,559	\$1,784,867	79.2%	13.9%
811	Repair & Maintenance	8,683	\$4,909,981	21,883	\$701,293	71.6%	12.5%
8111	Automotive Repair & Maintenance	6,326	\$2,869,339	9,320	\$385,260	59.6%	11.8%
81111	Automotive Mechanical & Electrical Repair & Maintenance	3,650	\$1,460,518	4,293	\$190,386	54.0%	11.5%
81112	Automotive Body, Paint, Interior & Glass Repair	1,502	\$939,864	2,911	\$110,219	66.0%	10.5%
81119	Other Automotive Repair & Maintenance	1,174	\$468,957	2,116	\$84,655	64.3%	15.3%
8112	Electronic & Precision Eqpt. Repair & Maintenance	498	\$819,093	1,600	\$47,593	76.3%	5.5%
8113	Commercial & Industrial Machinery & Eqpt. (exc. Automotive & Electronic) Repair & Maintenance	1,054	\$898,906	2,009	\$78,129	65.6%	8.0%
8114	Personal & Household Goods Repair & Maintenance	805	\$322,643	8,954	\$190,311	91.8%	37.1%
81141	Home & Garden Eqpt. & Appliance Repair & Maintenance	287	\$142,529	1,341	\$34,201	82.4%	19.4%
81142	Reupholstery & Furniture Repair	183	\$35,761	946	\$21,946	83.8%	38.0%
81143	Footwear & Leather Goods Repair	46	\$4,198	128	\$4,353	73.6%	50.9%
81149	Other Personal & Household Goods Repair & Maintenance	289	\$140,155	6,539	\$129,811	95.8%	48.1%
812	Personal & Laundry Services	8,358	\$3,042,682	52,134	\$1,001,380	86.2%	24.8%
8121	Personal Care Services	4,410	\$919,348	21,511	\$427,986	83.0%	31.8%
81211	Hair, Nail & Skin Care Services	3,872	\$787,473	18,418	\$380,096	82.6%	32.6%
812111	Barber Shops	152	\$15,833	3,764	\$83,702	96.1%	84.1%
812112	Beauty Salons	3,440	\$741,979	12,329	\$249,693	78.2%	25.2%
812113	Nail Salons	280	\$29,661	2,325	\$46,701	89.3%	61.2%
81219	Other Personal Care Services	538	\$131,875	3,093	\$47,890	85.2%	26.6%
8122	Death Care Services	1,241	\$726,984	589	\$29,599	32.2%	3.9%
81221	Funeral Homes & Funeral Services	922	\$597,833	479	\$26,566	34.2%	4.3%
81222	Cemeteries & Crematories	319	\$129,151	110	\$3,033	25.6%	2.3%
8123	Drycleaning & Laundry Services	1,455	\$848,636	851	\$29,123	36.9%	3.3%
81231	Coin-Operated Laundries & Drycleaners	464	\$120,554	384	\$16,747	45.3%	12.2%

Table A8: Economic Census Employer and Self-employed Statistics for Ohio, 2002

NAICS Code	Industry Description	Employer Totals		Self-employed Totals		Self-employed as % of Sum	
		Estab- lishments	Receipts (000s)	Estab- lishments	Receipts (000s)	Estab- lishments	Receipts
81232	Drycleaning & Laundry Services (exc. Coin-Operated)	885	\$277,955	422	\$10,609	32.3%	3.7%
81233	Linen & Uniform Supply	106	\$450,127	45	\$1,767	29.8%	0.4%
8129	Other Personal Services	1,252	\$547,714	29,183	\$514,672	95.9%	48.4%
81291	Pet Care (exc. Veterinary) Services	306	\$49,751	1,717	\$30,614	84.9%	38.1%
81292	Photofinishing	161	\$121,757	430	\$10,524	72.8%	8.0%
81293	Parking Lots & Garages	493	\$292,436	135	\$6,011	21.5%	2.0%
81299	All Other Personal Services	292	\$83,770	26,901	\$467,523	98.9%	84.8%
813	Religious, Grantmaking, Civic, Professional & Similar Organizations	4,099	\$3,071,237	6,542	\$82,194	61.5%	2.6%

Notes: * - All farm data (111-112) from the National Agricultural Statistical Services and employer forestry, etc., data (11p) from County Business Patterns. Therefore, there is no summary figure for employer establishments. D, N or Q - not published for one reason or another; ^ - low due to suppression. Abbreviations: eqpt. - equipment; exc. - except or excluding; mfg. - manufacturing; n.a. - not applicable or not available; p - part.

Sources: U.S. Bureau of the Census (2004a, 2004b, 2005).

Prepared by: Office of Strategic Research, Ohio Dept. of Development. Telephone 800/848-1300, or 614/466-2116 (DL, 4/07).

NOTES

- 1 The Census Bureau's operational definition of a self-employed establishment is a distinct business income tax return. The fact that most of the self-employed are sole proprietors filing IRS Form 1040 Schedule C means that most self-employed establishments are the same thing as a self-employed person. However, the self-employed also include partnerships and corporations, implying that such establishments may have more than one person. Therefore, it is more accurate to say that the number of self-employed establishments represents the minimum of number of self-employed people.
- 2 U.S. means for years prior to 2005 were standardized on 2005 by multiply the mean by the 2005 consumer price index (CPI-U) annual average for the nation and then dividing by the corresponding CPI-U annual average for the years of interest (1997-2004). Ohio means for years prior to 2005 were standardized using the same formula, except that averages of the CPI-U's of Cincinnati and Cleveland were used in place of the national CPI-U's (U.S. Bureau of Labor Statistics, n.d.). The use of the CPI-U's seems appropriate because the receipts represent the income of individuals.
- 3 2002 is the latest year for which income data are available for *employer* establishments. The employer data were collected in the 2002 Economic Censuses.
- 4 Direct selling establishments are distinguished from other retailers by the fact that they have no stores and that the establishments typically go to the customers' location rather than customers going to them. Examples of other direct sellers include door-to-door sales, home parties (Tupperware comes to mind), newspaper delivery, and some street vendors. Excluded are electronic, mail-order, and vending machine sales, as well as ice cream trucks and other mobile food concession stands. See the Office of Management and Budget (2002) for further details.
- 5 These overall figures exclude rail transportation (NAICS 482) and the U.S. Postal Service (491). Employer vs. self-employed comparisons are limited in other industries due to the suppression of *employer* receipts in the 2002 Economic Census. These include water transportation (483), urban transit systems (4851), interurban and rural bus transportation (4852), pipeline transportation (486), and sightseeing (487). Consequently, they are not shown in the graph.
- 6 "Credit intermediation" establishments include depository institutions – banks, savings and loans, and credit unions – as well as non-depository establishments issuing credit cards or financing consumer purchases. "Activities related to credit intermediation" include bringing borrowers and lenders together for a fee, clearing check and credit

transactions, electronic transfers of funds, issuing travelers' checks and money orders, etc. (Office of Management and Budget, 2002).

- 7 One possible exception to the absence of the self-employed from funds, trusts and other financial vehicles (525) is real estate investment trusts (REITs – 52593). However, it may just be that there only are employer REITs in Ohio.
- 8 It is difficult to define outpatient care (NAICS 6214). The Office of Management and Budget (2002) does not offer one to distinguish the group from physicians (6211), dentists (6212), or other health practitioners (6213). Many of the services provided by doctors, dentists and others may also be provided at outpatient clinics. Examples include family planning, mental health and substance abuse counseling, dialysis, biofeedback centers and sleep disorder clinics. Surgeries may be performed at outpatient clinics as well as hospitals (622) and dental offices. HMOs are classified as outpatient establishments, except those principally involved in insurance. One possibly distinguishing characteristic may be presence of different medical professionals – doctors, dentists, etc. – at one location.

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