

Oregon

1997

Issued January 2000

EC97T48A-OR

**1997 Economic Census**

*Transportation and Warehousing*

Geographic Area Series



**U S C E N S U S B U R E A U**

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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-- Not applicable for this report.

# Introduction to the Economic Census

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## PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

## ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

## RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

## GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

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required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

## **BASIS OF REPORTING**

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

## **DOLLAR VALUES**

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

## **AVAILABILITY OF ADDITIONAL DATA**

### **Reports in Print and Electronic Media**

All results of the 1997 Economic Census are available on the Census Bureau Internet site ([www.census.gov](http://www.census.gov)) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

### **Special Tabulations**

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division 301-457-4673  
Service Sector Statistics Division 301-457-2668

## **HISTORICAL INFORMATION**

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

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## SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at [www.census.gov/econguide](http://www.census.gov/econguide). More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at [www.census.gov/econ/www/history.html](http://www.census.gov/econ/www/history.html).

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.



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# Transportation and Warehousing

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## SCOPE

The Transportation and Warehousing sector (sector 48-49) includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation are air, rail, water, road and pipeline.

The Transportation and Warehousing sector distinguishes three basic types of activities: subsectors for each mode of transportation, a subsector for warehousing and storage, and a subsector for establishments providing support activities for transportation. In addition, there are subsectors for establishments that provide passenger transportation for scenic and sightseeing purposes, postal services, and courier services.

A separate subsector for support activities is established in the sector because, first, support activities for transportation are inherently multimodal, such as freight transportation arrangement, or have multimodal aspects. Secondly, there are production process similarities among the support activity industries.

Many of the establishments in this sector often operate on networks, with physical facilities, labor forces, and equipment spread over an extensive geographic area.

Warehousing establishments in this sector are distinguished from merchant wholesaling in that the warehouse establishments do not sell the goods.

Excluded from this sector are establishments primarily engaged in providing travel agent services that support transportation and other establishments, such as hotels, businesses, and government agencies. These establishments are classified in Sector 56, Administrative and Support, Waste Management, and Remediation Services. Also, establishments primarily engaged in providing rental and leasing of transportation equipment without operator are classified in Subsector 532, Rental and Leasing Services.

## GENERAL

A list of reports that provide statistics on sector 48-49 follows.

**Geographic area report.** There is a separate report for each state, the District of Columbia, and the United States. Each state report presents general statistics on number of

establishments, revenue, payroll, and employment by kind of business for the state and metropolitan areas (MAs). Greater kind-of-business detail is shown for larger areas. The United States report presents data for the United States as a whole.

**Sources of revenue report.** This report presents sources of revenue data for establishments by kind of business. Data are presented for the United States.

**Establishment and firm size (including legal form of organization) report.** This report presents revenue, payroll, and employment data for the United States by revenue size, by employment size, and by legal form of organization for establishments; and by revenue size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits) for firms.

**Miscellaneous subjects report.** This report presents data for establishments for a variety of industry-specific questions. Presentation of data varies by kind of business.

## GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Data may be presented for:

1. The United States as a whole.
2. States and the District of Columbia.
3. Consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs) defined by the Office of Management and Budget (OMB) as of June 30, 1997. A CMSA is an area used to facilitate the presentation and analysis of data for large concentrations of metropolitan populations. It includes two or more contiguous PMSAs which have a population of at least 1,000,000 (according to the 1990 Census of Population or subsequent special census) and which meet specific criteria of urban character and of social and economic integration.
4. Metropolitan statistical areas (MSAs) defined by the OMB as of June 30, 1997. An MSA is an integrated economic and social unit with a population nucleus of at least 50,000 inhabitants (according to the 1990 Census of Population or subsequent special census). Each

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MSA consists of one or more counties meeting standards of metropolitan character. In New England, cities and towns rather than counties are the component geographic units.

#### **COMPARABILITY OF THE 1992 AND 1997 CENSUSES**

The 1997 Economic Census is the first census to present data based on the new North American Industry Classification System (NAICS). Previous census data were presented according to the Standard Industrial Classification (SIC) system developed some 60 years ago. Due to this change, comparability between census years may be limited. Comparative statistics will be included as part of the Core Business Statistics Reports.

#### **DISCLOSURE**

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or business. However, the number of

establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld.

#### **AVAILABILITY OF MORE FREQUENT ECONOMIC DATA**

The Bureau of the Census conducts the Transportation Annual Survey (TAS) each year. This survey, while providing more frequent observations, yields less kind-of-business and geographic detail than the census. In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county. The program also includes data for establishments of firms that do not have annual payroll.

**Table 1. Summary Statistics for the State: 1997**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>OREGON</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b>	<b>2 610</b>	<b>3 771 288</b>	<b>1 163 465</b>	<b>270 189</b>	<b>38 544</b>	<b>8.3</b>	<b>4.2</b>
481	Air transportation %	52	359 690	77 725	14 814	1 968	.9	.7
4811	Scheduled air transportation %	16	149 503	9 337	1 875	277	.5	1.3
48111	Scheduled air transportation %	16	149 503	9 337	1 875	277	.5	1.3
481111	Scheduled passenger air transportation %	12	37 348	3 765	481	103	1.8	5.3
4812	Nonscheduled air transportation	36	210 187	68 388	12 939	1 691	1.1	.3
48121	Nonscheduled air transportation	36	210 187	68 388	12 939	1 691	1.1	.3
481211	Nonscheduled chartered passenger air transportation	14	16 397	3 657	898	167	12.3	3.2
481219	Other nonscheduled air transportation	19	D	D	D	g	D	D
483	Water transportation	20	D	D	D	e	D	D
4831	Deep sea, coastal, & Great Lakes water transportation	11	D	D	D	e	D	D
48311	Deep sea, coastal, & Great Lakes water transportation	11	D	D	D	e	D	D
483111	Deep sea freight transportation	6	D	D	D	b	D	D
4832	Inland water transportation	9	D	D	D	c	D	D
48321	Inland water transportation	9	D	D	D	c	D	D
483211	Inland water freight transportation	6	D	D	D	c	D	D
4832111	Inland waterways freight transportation (except towing)	6	D	D	D	c	D	D
484	Truck transportation	1 675	1 866 528	589 482	135 250	19 479	13.8	4.7
4841	General freight trucking	602	1 153 357	374 779	87 665	11 744	8.3	2.9
48411	General freight trucking, local	177	174 076	59 687	13 700	2 173	18.2	6.1
484110	General freight trucking, local	177	174 076	59 687	13 700	2 173	18.2	6.1
4841101	General freight trucking without storage, local, truckload	129	94 757	31 097	6 983	1 143	26.3	8.5
4841102	General freight trucking w/o storage, local, less than truckload	41	66 836	25 240	6 099	931	5.4	3.9
4841103	General freight trucking with storage, local, truckload	6	D	D	D	b	D	D
48412	General freight trucking, long-distance	425	979 281	315 092	73 965	9 571	6.5	2.3
484121	General freight trucking, long-distance, truckload	324	592 214	140 033	33 508	4 831	9.7	3.8
484122	General freight trucking, long-distance, less than truckload	101	387 067	175 059	40 457	4 740	1.7	.1
4842	Specialized freight trucking	1 073	713 171	214 703	47 585	7 735	22.7	7.7
48421	Used household & office goods moving	83	82 813	31 662	6 533	1 215	13.9	4.0
484210	Used household & office goods moving	83	82 813	31 662	6 533	1 215	13.9	4.0
4842101	Used household & office goods moving, local, without storage	16	2 489	1 015	164	65	27.2	3.5
4842102	Used household & office goods moving, long-distance	43	47 786	15 876	3 134	614	19.7	1.3
4842103	Used household & office goods moving, local, with storage	24	32 538	14 771	3 235	536	4.3	8.0
48422	Specialized freight (except used goods) trucking, local	723	289 671	70 780	14 876	2 866	35.9	7.8
484220	Specialized freight (except used goods) trucking, local	723	289 671	70 780	14 876	2 866	35.9	7.8
4842201	Hazardous materials trucking (except waste), local	10	22 431	3 538	810	99	2.4	.2
4842202	Agricultural products trucking without storage, local	241	87 963	21 191	4 244	881	38.3	9.1
4842203	Dump trucking	295	95 017	23 074	4 754	952	43.0	11.2
4842204	Specialized trucking without storage, local	171	78 840	21 115	4 637	881	36.0	5.1
4842205	Specialized trucking with storage, local	6	5 420	1 862	431	53	11.0	—
48423	Specialized freight (except used goods) trucking, long-distance	267	340 687	112 261	26 176	3 654	13.6	8.5
484230	Specialized freight (except used goods) trucking, long-distance	267	340 687	112 261	26 176	3 654	13.6	8.5
4842301	Hazardous materials trucking (except waste), long-distance	12	11 288	4 822	768	121	.6	.4
4842302	Agricultural products trucking, long-distance	135	100 241	28 710	6 737	1 093	22.6	7.8
4842303	Other specialized trucking, long-distance	120	229 158	78 729	18 671	2 440	10.2	9.2
485	Transit & ground passenger transportation	168	109 360	41 908	10 560	3 541	9.8	3.3
4851	Urban transit systems	7	D	D	D	b	D	D
48511	Urban transit systems	7	D	D	D	b	D	D
485113	Bus & motor vehicle transit systems	6	D	D	D	b	D	D
4852	Interurban & rural bus transportation	8	12 687	5 201	1 231	212	—	—
48521	Interurban & rural bus transportation	8	12 687	5 201	1 231	212	—	—
485210	Interurban & rural bus transportation	8	12 687	5 201	1 231	212	—	—
4853	Taxi & limousine service	64	23 302	8 112	2 043	726	42.8	7.0
48531	Taxi service	35	14 965	5 102	1 293	473	44.3	8.7
485310	Taxi service	35	14 965	5 102	1 293	473	44.3	8.7
48532	Limousine service	29	8 337	3 010	750	253	40.3	4.0
485320	Limousine service	29	8 337	3 010	750	253	40.3	4.0
4854	School & employee bus transportation	50	53 288	20 394	5 564	2 019	.1	2.4
48541	School & employee bus transportation	50	53 288	20 394	5 564	2 019	.1	2.4
485410	School & employee bus transportation	50	53 288	20 394	5 564	2 019	.1	2.4
4854101	School bus service	48	D	D	D	g	D	D
4859	Other transit & ground passenger transportation	34	7 314	3 251	660	279	4.7	7.7
48599	Other transit & ground passenger transportation	34	7 314	3 251	660	279	4.7	7.7
485991	Special needs transportation	25	6 214	2 800	583	231	4.2	8.6
485999	All other transit & ground passenger transportation	9	1 100	451	77	48	7.6	2.3
4859991	Scheduled airport shuttle service	7	D	D	D	b	D	D
486	Pipeline transportation	6	D	D	D	e	D	D
487	Scenic & sightseeing transportation	39	D	D	D	c	D	D
4872	Scenic & sightseeing transportation, water	33	D	D	D	c	D	D
48721	Scenic & sightseeing transportation, water	33	D	D	D	c	D	D
487210	Scenic & sightseeing transportation, water	33	D	D	D	c	D	D
4872101	Excursion & sightseeing boats (including dinner cruises)	11	D	D	D	c	D	D
4872102	Charter fishing & party fishing boats	22	D	D	D	b	D	D

See footnotes at end of table.

**Table 1. Summary Statistics for the State: 1997—Con.**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>OREGON—Con.</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **—Con.</b>							
488	Support activities for transportation .....	451	533 912	208 830	49 590	5 361	4.2	8.7
4881	Support activities for air transportation .....	65	58 940	17 919	3 964	872	8.2	1.7
48811	Airport operations .....	23	21 548	7 736	1 798	443	11.0	.9
488119	Other airport operations .....	19	D	D	D	e	D	D
4881191	Airport operation & terminal services .....	18	D	D	D	e	D	D
48819	Other support activities for air transportation .....	42	37 392	10 183	2 166	429	6.6	2.1
488190	Other support activities for air transportation .....	42	37 392	10 183	2 166	429	6.6	2.1
4882	Support activities for rail transportation .....	6	15 313	5 319	1 268	192	—	—
48821	Support activities for rail transportation .....	6	15 313	5 319	1 268	192	—	—
488210	Support activities for rail transportation .....	6	15 313	5 319	1 268	192	—	—
4882101	Support activities incidental to rail transportation .....	6	15 313	5 319	1 268	192	—	—
4883	Support activities for water transportation .....	49	200 055	107 700	26 584	1 537	1.1	4.3
48832	Marine cargo handling .....	11	151 341	92 202	22 605	1 171	1.2	4.8
488320	Marine cargo handling .....	11	151 341	92 202	22 605	1 171	1.2	4.8
48833	Navigational services to shipping .....	26	45 559	14 446	3 722	329	.6	2.7
488330	Navigational services to shipping .....	26	45 559	14 446	3 722	329	.6	2.7
4883301	Tugboat service (including fleetings & harbor service) .....	7	26 988	10 434	2 688	245	—	—
4883302	Navigational services .....	16	D	D	D	b	D	D
48839	Other support activities for water transportation .....	12	3 155	1 052	257	37	—	1.8
488390	Other support activities for water transportation .....	12	3 155	1 052	257	37	—	1.8
4883901	Other services incidental to water transportation .....	9	D	D	D	b	D	D
4884	Support activities for road transportation .....	111	57 893	19 972	4 827	1 055	14.3	20.5
48841	Motor vehicle towing .....	104	50 196	15 776	3 846	813	16.2	23.2
488410	Motor vehicle towing .....	104	50 196	15 776	3 846	813	16.2	23.2
48849	Other support activities for road transportation .....	7	7 697	4 196	981	242	1.9	2.5
488490	Other support activities for road transportation .....	7	7 697	4 196	981	242	1.9	2.5
4885	Freight transportation arrangement .....	215	194 146	57 008	12 723	1 633	3.6	12.8
48851	Freight transportation arrangement .....	215	194 146	57 008	12 723	1 633	3.6	12.8
488510	Freight transportation arrangement .....	215	194 146	57 008	12 723	1 633	3.6	12.8
4885101	Freight forwarding .....	65	77 129	22 737	5 101	658	3.2	19.3
4885102	Arrangement of transportation of freight & cargo .....	150	117 017	34 271	7 622	975	3.8	8.5
492	Couriers & messengers .....	128	440 201	171 380	41 608	6 267	1.5	1.2
4921	Couriers .....	67	420 428	162 607	39 569	5 775	.6	.8
49211	Couriers .....	67	420 428	162 607	39 569	5 775	.6	.8
492110	Couriers .....	67	420 428	162 607	39 569	5 775	.6	.8
4921101	Courier services (except by air) .....	25	252 616	116 483	29 273	4 439	.2	—
4921102	Air courier services .....	42	167 812	46 124	10 296	1 336	1.2	2.1
4922	Local messengers & local delivery .....	61	19 773	8 773	2 039	492	20.0	9.0
49221	Local messengers & local delivery .....	61	19 773	8 773	2 039	492	20.0	9.0
492210	Local messengers & local delivery .....	61	19 773	8 773	2 039	492	20.0	9.0
493	Warehousing & storage .....	71	128 936	27 797	5 743	949	6.6	7.9
4931	Warehousing & storage .....	71	128 936	27 797	5 743	949	6.6	7.9
49311	General warehousing & storage .....	37	24 973	6 692	1 264	225	10.9	16.3
493110	General warehousing & storage .....	37	24 973	6 692	1 264	225	10.9	16.3
4931101	General warehousing & storage (except in foreign trade zones) .....	37	24 973	6 692	1 264	225	10.9	16.3
49312	Refrigerated warehousing & storage .....	20	85 420	15 322	3 469	520	6.2	5.7
493120	Refrigerated warehousing & storage .....	20	85 420	15 322	3 469	520	6.2	5.7
4931201	Refrigerated products warehousing .....	20	85 420	15 322	3 469	520	6.2	5.7
49319	Other warehousing & storage .....	11	D	D	D	c	D	D
493190	Other warehousing & storage .....	11	D	D	D	c	D	D
4931902	Specialized goods warehousing & storage .....	9	D	D	D	c	D	D

%\* Data do not include large certificated passenger carriers that report to the Office of Airline Statistics, U.S. Department of Transportation.

\*\* Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

<sup>1</sup>Includes revenue information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes revenue information which was imputed based on historic company ratios or administrative records, or on industry averages.



**Table 2. Summary Statistics for Metropolitan Areas: 1997**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>EUGENE-SPRINGFIELD, OR MSA</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b> .....	<b>230</b>	<b>259 035</b>	<b>64 947</b>	<b>14 419</b>	<b>2 580</b>	<b>11.0</b>	<b>3.5</b>
481	Air transportation %* .....	3	D	D	D	b	D	D
484	Truck transportation .....	156	182 839	49 488	11 292	1 840	15.1	3.7
4841	General freight trucking .....	60	135 835	35 971	8 319	1 254	6.4	3.8
48411	General freight trucking, local .....	17	23 073	10 189	2 365	314	7.9	3.4
484110	General freight trucking, local .....	17	23 073	10 189	2 365	314	7.9	3.4
4841101	General freight trucking without storage, local, truckload .....	12	19 139	8 909	2 071	277	6.2	1.0
48412	General freight trucking, long-distance .....	43	112 762	25 782	5 954	940	6.1	3.8
484121	General freight trucking, long-distance, truckload .....	34	95 070	20 999	4 929	833	7.2	4.5
4842	Specialized freight trucking .....	96	47 004	13 517	2 973	586	40.3	3.5
48422	Specialized freight (except used goods) trucking, local .....	63	21 752	5 411	1 181	245	56.2	4.5
484220	Specialized freight (except used goods) trucking, local .....	63	21 752	5 411	1 181	245	56.2	4.5
4842202	Agricultural products trucking without storage, local .....	25	9 673	2 474	544	111	39.5	4.5
4842203	Dump trucking .....	23	6 523	1 509	281	72	69.5	5.2
4842204	Specialized trucking without storage, local .....	14	D	D	D	b	D	D
48423	Specialized freight (except used goods) trucking, long-distance .....	23	16 100	5 129	1 174	221	24.8	4.2
484230	Specialized freight (except used goods) trucking, long-distance .....	23	16 100	5 129	1 174	221	24.8	4.2
4842303	Other specialized trucking, long-distance .....	12	D	D	D	b	D	D
485	Transit & ground passenger transportation .....	18	7 750	2 573	664	225	3.0	2.4
486	Pipeline transportation .....	1	D	D	D	a	D	D
487	Scenic & sightseeing transportation .....	2	D	D	D	a	D	D
488	Support activities for transportation .....	27	23 038	5 702	1 309	272	1.1	-
4884	Support activities for road transportation .....	13	D	D	D	b	D	D
48841	Motor vehicle towing .....	13	D	D	D	b	D	D
488410	Motor vehicle towing .....	13	D	D	D	b	D	D
4885	Freight transportation arrangement .....	11	8 178	1 353	294	60	-	-
48851	Freight transportation arrangement .....	11	8 178	1 353	294	60	-	-
488510	Freight transportation arrangement .....	11	8 178	1 353	294	60	-	-
492	Couriers & messengers .....	18	12 265	3 338	743	170	3.1	1.7
493	Warehousing & storage .....	5	D	D	D	b	D	D
<b>MEDFORD-ASHLAND, OR MSA</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b> .....	<b>154</b>	<b>243 706</b>	<b>72 472</b>	<b>13 496</b>	<b>2 357</b>	<b>6.9</b>	<b>12.5</b>
481	Air transportation %* .....	8	D	D	D	f	D	D
484	Truck transportation .....	104	158 395	35 950	7 907	1 186	8.8	16.4
4841	General freight trucking .....	58	105 380	21 758	4 814	688	6.9	6.7
48411	General freight trucking, local .....	14	4 743	2 733	625	103	18.3	14.1
484110	General freight trucking, local .....	14	4 743	2 733	625	103	18.3	14.1
4841101	General freight trucking without storage, local, truckload .....	12	D	D	D	b	D	D
48412	General freight trucking, long-distance .....	44	100 637	19 025	4 189	585	6.3	6.4
484121	General freight trucking, long-distance, truckload .....	32	88 184	13 706	3 130	405	7.2	7.3
484122	General freight trucking, long-distance, less than truckload .....	12	12 453	5 319	1 059	180	-	-
4842	Specialized freight trucking .....	46	53 015	14 192	3 093	498	12.8	35.5
48422	Specialized freight (except used goods) trucking, local .....	25	9 408	2 301	383	104	30.4	11.1
484220	Specialized freight (except used goods) trucking, local .....	25	9 408	2 301	383	104	30.4	11.1
48423	Specialized freight (except used goods) trucking, long-distance .....	18	42 316	11 339	2 596	369	8.3	42.0
484230	Specialized freight (except used goods) trucking, long-distance .....	18	42 316	11 339	2 596	369	8.3	42.0
485	Transit & ground passenger transportation .....	10	5 269	1 891	486	205	3.9	4.9
487	Scenic & sightseeing transportation .....	2	D	D	D	a	D	D
488	Support activities for transportation .....	21	26 147	9 171	1 773	265	9.1	16.3
4885	Freight transportation arrangement .....	17	21 621	7 939	1 489	206	-	19.5
48851	Freight transportation arrangement .....	17	21 621	7 939	1 489	206	-	19.5
488510	Freight transportation arrangement .....	17	21 621	7 939	1 489	206	-	19.5
4885102	Arrangement of transportation of freight & cargo .....	17	21 621	7 939	1 489	206	-	19.5
492	Couriers & messengers .....	6	6 164	2 099	459	86	1.6	-
493	Warehousing & storage .....	3	D	D	D	a	D	D

See footnotes at end of table.

**Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
	<b>PORTLAND–SALEM, OR—WA CMSA</b>							
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b>	<b>1 525</b>	<b>2 850 697</b>	<b>917 344</b>	<b>216 725</b>	<b>28 808</b>	<b>6.0</b>	<b>3.6</b>
481	Air transportation %* .....	24	D	D	D	g	D	D
4812	Nonscheduled air transportation .....	15	D	D	D	g	D	D
48121	Nonscheduled air transportation .....	15	D	D	D	g	D	D
483	Water transportation .....	17	D	D	D	e	D	D
484	Truck transportation .....	879	1 222 149	422 978	97 651	13 201	11.1	3.3
4841	General freight trucking .....	338	792 053	281 007	65 137	8 425	8.5	1.9
48411	General freight trucking, local .....	107	135 615	44 484	10 418	1 642	12.5	5.5
484110	General freight trucking, local .....	107	135 615	44 484	10 418	1 642	12.5	5.5
4841101	General freight trucking without storage, local, truckload .....	73	D	D	D	f	D	D
4841102	General freight trucking w/o storage, local, less than truckload .....	28	D	D	D	f	D	D
48412	General freight trucking, long-distance .....	231	656 438	236 523	54 719	6 783	7.6	1.2
484121	General freight trucking, long-distance, truckload .....	183	337 079	82 798	19 341	2 648	13.2	2.2
484122	General freight trucking, long-distance, less than truckload .....	48	319 359	153 725	35 378	4 135	1.8	—
4842	Specialized freight trucking .....	541	430 096	141 971	32 514	4 776	15.8	5.9
48421	Used household & office goods moving .....	52	68 319	26 568	5 527	923	9.2	4.4
484210	Used household & office goods moving .....	52	68 319	26 568	5 527	923	9.2	4.4
4842101	Used household & office goods moving, local, without storage .....	12	D	D	D	b	D	D
4842102	Used household & office goods moving, long-distance .....	26	D	D	D	e	D	D
4842103	Used household & office goods moving, local, with storage .....	14	D	D	D	e	D	D
48422	Specialized freight (except used goods) trucking, local .....	382	167 973	42 725	9 386	1 688	28.9	9.4
484220	Specialized freight (except used goods) trucking, local .....	382	167 973	42 725	9 386	1 688	28.9	9.4
4842202	Agricultural products trucking without storage, local .....	66	20 499	5 984	1 291	222	38.4	13.9
4842203	Dump trucking .....	221	75 781	18 228	3 802	760	41.7	13.4
4842204	Specialized trucking without storage, local .....	85	D	D	D	f	D	D
48423	Specialized freight (except used goods) trucking, long-distance .....	107	193 804	72 678	17 601	2 165	6.7	3.3
484230	Specialized freight (except used goods) trucking, long-distance .....	107	193 804	72 678	17 601	2 165	6.7	3.3
4842302	Agricultural products trucking, long-distance .....	34	D	D	D	c	D	D
4842303	Other specialized trucking, long-distance .....	64	D	D	D	g	D	D
485	Transit & ground passenger transportation .....	100	D	D	D	h	D	D
4853	Taxi & limousine service .....	41	D	D	D	f	D	D
48531	Taxi service .....	16	D	D	D	e	D	D
485310	Taxi service .....	16	D	D	D	e	D	D
48532	Limousine service .....	25	D	D	D	e	D	D
485320	Limousine service .....	25	D	D	D	e	D	D
4854	School & employee bus transportation .....	27	34 785	14 294	3 972	1 286	.1	.3
48541	School & employee bus transportation .....	27	34 785	14 294	3 972	1 286	.1	.3
485410	School & employee bus transportation .....	27	34 785	14 294	3 972	1 286	.1	.3
4854101	School bus service .....	27	34 785	14 294	3 972	1 286	.1	.3
4859	Other transit & ground passenger transportation .....	24	D	D	D	c	D	D
48599	Other transit & ground passenger transportation .....	24	D	D	D	c	D	D
485991	Special needs transportation .....	17	D	D	D	c	D	D
486	Pipeline transportation .....	4	D	D	D	c	D	D
487	Scenic & sightseeing transportation .....	11	D	D	D	c	D	D
488	Support activities for transportation .....	352	460 786	185 958	44 557	4 461	3.4	9.1
4881	Support activities for air transportation .....	42	D	D	D	f	D	D
48811	Airport operations .....	15	D	D	D	e	D	D
488119	Other airport operations .....	13	D	D	D	e	D	D
4881191	Airport operation & terminal services .....	12	D	D	D	e	D	D
48819	Other support activities for air transportation .....	27	D	D	D	e	D	D
488190	Other support activities for air transportation .....	27	D	D	D	e	D	D
4883	Support activities for water transportation .....	39	185 977	102 360	25 213	1 397	1.2	4.1
48832	Marine cargo handling .....	12	148 864	92 684	22 817	1 186	1.3	5.0
488320	Marine cargo handling .....	12	148 864	92 684	22 817	1 186	1.3	5.0
48833	Navigational services to shipping .....	16	D	D	D	c	D	D
488330	Navigational services to shipping .....	16	D	D	D	c	D	D
48839	Other support activities for water transportation .....	11	D	D	D	b	D	D
488390	Other support activities for water transportation .....	11	D	D	D	b	D	D
4884	Support activities for road transportation .....	72	D	D	D	f	D	D
48841	Motor vehicle towing .....	66	D	D	D	f	D	D
488410	Motor vehicle towing .....	66	D	D	D	f	D	D
4885	Freight transportation arrangement .....	192	175 218	49 818	11 390	1 377	3.1	11.5
48851	Freight transportation arrangement .....	192	175 218	49 818	11 390	1 377	3.1	11.5
488510	Freight transportation arrangement .....	192	175 218	49 818	11 390	1 377	3.1	11.5
4885101	Freight forwarding .....	66	D	D	D	f	D	D
4885102	Arrangement of transportation of freight & cargo .....	126	D	D	D	f	D	D
492	Couriers & messengers .....	83	D	D	D	i	D	D
4921	Couriers .....	42	D	D	D	i	D	D
49211	Couriers .....	42	D	D	D	i	D	D
492110	Couriers .....	42	D	D	D	i	D	D
4921101	Courier services (except by air) .....	16	D	D	D	h	D	D
4921102	Air courier services .....	26	D	D	D	g	D	D
4922	Local messengers & local delivery .....	41	D	D	D	e	D	D
49221	Local messengers & local delivery .....	41	D	D	D	e	D	D
492210	Local messengers & local delivery .....	41	D	D	D	e	D	D

See footnotes at end of table.

**Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.**

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NAICS code	Geographic area and kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>PORTLAND–SALEM, OR—WA CMSA— Con.</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **—Con.</b>							
493	Warehousing & storage .....	55	88 404	21 511	4 176	656	2.3	10.8
4931	Warehousing & storage .....	55	88 404	21 511	4 176	656	2.3	10.8
49311	General warehousing & storage .....	31	D	D	D	c	D	D
493110	General warehousing & storage .....	31	D	D	D	c	D	D
4931101	General warehousing & storage (except in foreign trade zones) .....	31	D	D	D	c	D	D
49312	Refrigerated warehousing & storage .....	12	D	D	D	c	D	D
493120	Refrigerated warehousing & storage .....	12	D	D	D	c	D	D
4931201	Refrigerated products warehousing .....	12	D	D	D	c	D	D
<b>Portland–Vancouver, OR—WA PMSA</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b> .....	<b>1 334</b>	<b>2 588 385</b>	<b>839 118</b>	<b>199 822</b>	<b>26 268</b>	<b>5.7</b>	<b>3.5</b>
481	Air transportation %* .....	21	170 865	13 730	3 470	443	.2	1.3
4812	Nonscheduled air transportation .....	12	41 434	7 039	1 843	226	.1	1.2
48121	Nonscheduled air transportation .....	12	41 434	7 039	1 843	226	.1	1.2
483	Water transportation .....	16	D	D	D	e	D	D
484	Truck transportation .....	757	1 126 486	395 357	91 612	12 280	10.2	3.3
4841	General freight trucking .....	292	753 225	271 599	63 105	8 099	7.8	1.8
48411	General freight trucking, local .....	95	125 290	41 944	9 908	1 556	11.2	5.8
484110	General freight trucking, local .....	95	125 290	41 944	9 908	1 556	11.2	5.8
4841101	General freight trucking without storage, local, truckload .....	67	61 567	18 044	4 206	709	13.6	9.4
4841102	General freight trucking w/o storage, local, less than truckload .....	24	D	D	D	f	D	D
48412	General freight trucking, long-distance .....	197	627 935	229 655	53 197	6 543	7.1	1.0
484121	General freight trucking, long-distance, truckload .....	156	321 881	78 760	18 434	2 468	12.0	1.9
484122	General freight trucking, long-distance, less than truckload .....	41	306 054	150 895	34 763	4 075	1.9	—
4842	Specialized freight trucking .....	465	373 261	123 758	28 507	4 181	15.1	6.3
48421	Used household & office goods moving .....	46	64 980	25 178	5 260	863	7.8	4.3
484210	Used household & office goods moving, local, without storage .....	46	64 980	25 178	5 260	863	7.8	4.3
4842101	Used household & office goods moving, local, without storage .....	11	2 011	803	124	49	26.0	4.3
4842102	Used household & office goods moving, long-distance .....	23	37 400	12 289	2 486	423	9.8	5.3
4842103	Used household & office goods moving, local, with storage .....	12	25 569	12 106	2 650	391	3.4	2.9
48422	Specialized freight (except used goods) trucking, local .....	328	149 274	36 853	8 192	1 490	26.3	9.8
484220	Specialized freight (except used goods) trucking, local .....	328	149 274	36 853	8 192	1 490	26.3	9.8
4842202	Agricultural products trucking without storage, local .....	49	13 476	3 580	770	136	50.0	15.6
4842203	Dump trucking .....	192	66 589	15 449	3 259	674	38.2	14.6
4842204	Specialized trucking without storage, local .....	78	44 932	13 356	3 137	553	14.9	6.4
48423	Specialized freight (except used goods) trucking, long-distance .....	91	159 007	61 727	15 055	1 828	7.5	3.8
484230	Specialized freight (except used goods) trucking, long-distance .....	91	159 007	61 727	15 055	1 828	7.5	3.8
4842302	Agricultural products trucking, long-distance .....	26	19 281	5 344	1 805	223	14.4	18.6
4842303	Other specialized trucking, long-distance .....	57	128 256	51 350	12 398	1 469	7.2	1.9
485	Transit & ground passenger transportation .....	78	73 550	29 848	7 558	2 168	12.3	2.2
4853	Taxi & limousine service .....	33	18 642	6 384	1 607	467	46.3	6.2
48531	Taxi service .....	11	11 055	3 559	877	231	51.9	7.5
485310	Taxi service .....	11	11 055	3 559	877	231	51.9	7.5
48532	Limousine service .....	22	7 587	2 825	730	236	38.3	4.4
485320	Limousine service .....	22	7 587	2 825	730	236	38.3	4.4
4854	School & employee bus transportation .....	20	30 618	12 669	3 507	1 108	.1	—
48541	School & employee bus transportation .....	20	30 618	12 669	3 507	1 108	.1	—
485410	School & employee bus transportation .....	20	30 618	12 669	3 507	1 108	.1	—
4854101	School bus service .....	20	30 618	12 669	3 507	1 108	.1	—
4859	Other transit & ground passenger transportation .....	19	D	D	D	c	D	D
48599	Other transit & ground passenger transportation .....	19	D	D	D	c	D	D
485991	Special needs transportation .....	13	D	D	D	c	D	D
486	Pipeline transportation .....	4	D	D	D	c	D	D
487	Scenic & sightseeing transportation .....	11	D	D	D	c	D	D
488	Support activities for transportation .....	326	446 341	183 187	43 953	4 344	3.4	8.9
4881	Support activities for air transportation .....	32	D	D	D	f	D	D
48811	Airport operations .....	14	D	D	D	e	D	D
488119	Other airport operations .....	13	D	D	D	e	D	D
4881191	Airport operation & terminal services .....	12	D	D	D	e	D	D
48819	Other support activities for air transportation .....	18	21 468	7 120	1 525	302	.5	.2
488190	Other support activities for air transportation .....	18	21 468	7 120	1 525	302	.5	.2
4883	Support activities for water transportation .....	39	185 977	102 360	25 213	1 397	1.2	4.1
48832	Marine cargo handling .....	12	148 864	92 684	22 817	1 186	1.3	5.0
488320	Marine cargo handling .....	12	148 864	92 684	22 817	1 186	1.3	5.0
48833	Navigational services to shipping .....	16	D	D	D	c	D	D
488330	Navigational services to shipping .....	16	D	D	D	c	D	D
48839	Other support activities for water transportation .....	11	D	D	D	b	D	D
488390	Other support activities for water transportation .....	11	D	D	D	b	D	D
4884	Support activities for road transportation .....	64	D	D	D	f	D	D
48841	Motor vehicle towing .....	60	37 889	11 537	2 836	576	18.9	33.2
488410	Motor vehicle towing .....	60	37 889	11 537	2 836	576	18.9	33.2
4885	Freight transportation arrangement .....	184	171 212	49 126	11 253	1 348	3.1	11.2
48851	Freight transportation arrangement .....	184	171 212	49 126	11 253	1 348	3.1	11.2
488510	Freight transportation arrangement .....	184	171 212	49 126	11 253	1 348	3.1	11.2
4885101	Freight forwarding .....	64	77 020	22 987	5 117	644	3.1	18.9
4885102	Arrangement of transportation of freight & cargo .....	120	94 192	26 139	6 136	704	3.2	4.9

See footnotes at end of table.

**Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>PORTLAND–SALEM, OR–WA CMSA— Con.</b>								
<b>Portland–Vancouver, OR–WA PMSA— Con.</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **—Con.</b>							
492	Couriers & messengers .....	74	405 141	159 105	38 896	5 698	1.2	1.0
4921	Couriers .....	37	391 070	152 716	37 373	5 344	.6	.7
49211	Couriers .....	37	391 070	152 716	37 373	5 344	.6	.7
492110	Couriers .....	37	391 070	152 716	37 373	5 344	.6	.7
4921101	Courier services (except by air) .....	13	D	D	D	h	D	D
4921102	Air courier services .....	24	D	D	D	g	D	D
4922	Local messengers & local delivery .....	37	14 071	6 389	1 523	354	16.2	9.4
49221	Local messengers & local delivery .....	37	14 071	6 389	1 523	354	16.2	9.4
492210	Local messengers & local delivery .....	37	14 071	6 389	1 523	354	16.2	9.4
493	Warehousing & storage .....	47	67 524	17 289	3 296	524	2.2	7.0
4931	Warehousing & storage .....	47	67 524	17 289	3 296	524	2.2	7.0
49311	General warehousing & storage .....	30	23 503	7 195	1 351	216	3.1	14.8
493110	General warehousing & storage .....	30	23 503	7 195	1 351	216	3.1	14.8
4931101	General warehousing & storage (except in foreign trade zones) .....	30	23 503	7 195	1 351	216	3.1	14.8
<b>Salem, OR PMSA</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b> .....	<b>191</b>	<b>262 312</b>	<b>78 226</b>	<b>16 903</b>	<b>2 540</b>	<b>9.2</b>	<b>3.8</b>
481	Air transportation %* .....	3	D	D	D	f	D	D
483	Water transportation .....	1	D	D	D	a	D	D
484	Truck transportation .....	122	95 663	27 621	6 039	921	21.0	3.2
4841	General freight trucking .....	46	38 828	9 408	2 032	326	21.8	3.5
48411	General freight trucking, local .....	12	10 325	2 540	510	86	28.2	.8
484110	General freight trucking, local .....	12	10 325	2 540	510	86	28.2	.8
48412	General freight trucking, long-distance .....	34	28 503	6 868	1 522	240	19.5	4.5
484121	General freight trucking, long-distance, truckload .....	27	15 198	4 038	907	180	36.5	8.4
4842	Specialized freight trucking .....	76	56 835	18 213	4 007	595	20.4	3.0
48422	Specialized freight (except used goods) trucking, local .....	54	18 699	5 872	1 194	198	50.0	6.3
484220	Specialized freight (except used goods) trucking, local .....	54	18 699	5 872	1 194	198	50.0	6.3
4842202	Agricultural products trucking without storage, local .....	17	7 023	2 404	521	86	16.0	10.8
4842203	Dump trucking .....	29	9 192	2 779	543	86	67.4	4.7
48423	Specialized freight (except used goods) trucking, long-distance .....	16	34 797	10 951	2 546	337	3.0	1.0
484230	Specialized freight (except used goods) trucking, long-distance .....	16	34 797	10 951	2 546	337	3.0	1.0
485	Transit & ground passenger transportation .....	22	D	D	D	e	D	D
488	Support activities for transportation .....	26	14 445	2 771	604	117	4.4	13.3
492	Couriers & messengers .....	9	D	D	D	c	D	D
493	Warehousing & storage .....	8	20 880	4 222	880	132	2.5	23.2
<b>AREA OUTSIDE OREGON METROPOLITAN AREAS</b>								
<b>48-49</b>	<b>Transportation &amp; warehousing %* **</b> .....	<b>947</b>	<b>684 849</b>	<b>170 315</b>	<b>40 042</b>	<b>6 971</b>	<b>20.3</b>	<b>4.8</b>
481	Air transportation %* .....	19	D	D	D	b	D	D
4812	Nonscheduled air transportation .....	14	D	D	D	b	D	D
48121	Nonscheduled air transportation .....	14	D	D	D	b	D	D
483	Water transportation .....	6	D	D	D	c	D	D
484	Truck transportation .....	698	445 351	118 327	27 223	4 610	26.4	5.9
4841	General freight trucking .....	232	218 112	60 286	15 171	2 285	19.4	5.0
48411	General freight trucking, local .....	61	33 090	7 942	1 789	357	48.3	13.8
484110	General freight trucking, local .....	61	33 090	7 942	1 789	357	48.3	13.8
4841101	General freight trucking without storage, local, truckload .....	52	D	D	D	e	D	D
48412	General freight trucking, long-distance .....	171	185 022	52 344	13 382	1 928	14.3	3.4
484121	General freight trucking, long-distance, truckload .....	134	143 552	39 882	10 112	1 561	17.5	4.4
484122	General freight trucking, long-distance, less than truckload .....	37	41 470	12 462	3 270	367	3.1	—
4842	Specialized freight trucking .....	466	227 239	58 041	12 052	2 325	33.1	6.7
48421	Used household & office goods moving .....	26	9 660	3 236	616	216	26.1	19.4
484210	Used household & office goods moving .....	26	9 660	3 236	616	216	26.1	19.4
4842102	Used household & office goods moving, long-distance .....	16	6 779	2 464	448	166	33.7	.1
48422	Specialized freight (except used goods) trucking, local .....	306	108 734	24 173	4 694	984	42.0	7.2
484220	Specialized freight (except used goods) trucking, local .....	306	108 734	24 173	4 694	984	42.0	7.2
4842202	Agricultural products trucking without storage, local .....	146	54 684	11 805	2 263	509	39.8	7.3
4842203	Dump trucking .....	78	20 279	5 000	999	192	38.1	13.1
4842204	Specialized trucking without storage, local .....	77	D	D	D	e	D	D
48423	Specialized freight (except used goods) trucking, long-distance .....	134	108 845	30 632	6 742	1 125	24.9	5.2
484230	Specialized freight (except used goods) trucking, long-distance .....	134	108 845	30 632	6 742	1 125	24.9	5.2
4842302	Agricultural products trucking, long-distance .....	86	D	D	D	f	D	D
4842303	Other specialized trucking, long-distance .....	44	D	D	D	f	D	D

See footnotes at end of table.

**Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.**

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From administrative records <sup>1</sup>	Estimated <sup>2</sup>
<b>AREA OUTSIDE OREGON METROPOLITAN AREAS—Con.</b>								
<b>48-49 Transportation &amp; warehousing %% **—Con.</b>								
485	Transit & ground passenger transportation .....	47	D	D	D	f	D	D
4853	Taxi & limousine service .....	17	D	D	D	b	D	D
48531	Taxi service .....	14	D	D	D	b	D	D
485310	Taxi service .....	14	D	D	D	b	D	D
4854	School & employee bus transportation .....	17	D	D	D	f	D	D
48541	School & employee bus transportation .....	17	D	D	D	f	D	D
485410	School & employee bus transportation .....	17	D	D	D	f	D	D
4854101	School bus service .....	17	D	D	D	f	D	D
486	Pipeline transportation .....	2	D	D	D	b	D	D
487	Scenic & sightseeing transportation .....	27	D	D	D	b	D	D
4872	Scenic & sightseeing transportation, water .....	25	D	D	D	b	D	D
48721	Scenic & sightseeing transportation, water .....	25	D	D	D	b	D	D
487210	Scenic & sightseeing transportation, water .....	25	D	D	D	b	D	D
4872102	Charter fishing & party fishing boats .....	20	D	D	D	b	D	D
488	Support activities for transportation .....	104	61 477	15 478	3 701	615	10.6	4.6
4881	Support activities for air transportation .....	21	D	D	D	c	D	D
48819	Other support activities for air transportation .....	13	7 042	1 512	301	51	33.8	1.9
488190	Other support activities for air transportation .....	13	7 042	1 512	301	51	33.8	1.9
4883	Support activities for water transportation .....	19	17 602	6 925	1 834	184	1.6	7.3
48833	Navigational services to shipping .....	14	D	D	D	c	D	D
488330	Navigational services to shipping .....	14	D	D	D	c	D	D
4883302	Navigational services .....	11	D	D	D	b	D	D
4884	Support activities for road transportation .....	35	D	D	D	c	D	D
48841	Motor vehicle towing .....	34	7 544	2 516	595	146	20.8	3.1
488410	Motor vehicle towing .....	34	7 544	2 516	595	146	20.8	3.1
4885	Freight transportation arrangement .....	27	18 499	2 436	531	116	12.5	6.4
48851	Freight transportation arrangement .....	27	18 499	2 436	531	116	12.5	6.4
488510	Freight transportation arrangement .....	27	18 499	2 436	531	116	12.5	6.4
4885102	Arrangement of transportation of freight & cargo .....	22	D	D	D	c	D	D
492	Couriers & messengers .....	27	D	D	D	c	D	D
4921	Couriers .....	16	D	D	D	c	D	D
49211	Couriers .....	16	D	D	D	c	D	D
492110	Couriers .....	16	D	D	D	c	D	D
4921102	Air courier services .....	13	D	D	D	b	D	D
4922	Local messengers & local delivery .....	11	D	D	D	b	D	D
49221	Local messengers & local delivery .....	11	D	D	D	b	D	D
492210	Local messengers & local delivery .....	11	D	D	D	b	D	D
493	Warehousing & storage .....	17	D	D	D	e	D	D
4931	Warehousing & storage .....	17	D	D	D	e	D	D

%% Data do not include large certificated passenger carriers that report to the Office of Airline Statistics, U.S. Department of Transportation.  
 \*\* Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

<sup>1</sup>Includes revenue information obtained from administrative records of other Federal agencies.

<sup>2</sup>Includes revenue information which was imputed based on historic company ratios or administrative records, or on industry averages.



# Appendix A.

## Explanation of Terms

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### **ANNUAL PAYROLL**

Payroll includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation allowances, sick-leave pay, and employee contributions to qualified pension plans paid during the year to all employees. For corporations, payroll includes amounts paid to officers and executives; for unincorporated businesses, it does not include profit or other compensation of proprietors or partners. Payroll is reported before deductions for social security, income tax insurance, union dues, etc. This definition of payroll is the same as that used by the Internal Revenue Service (IRS) on form 941.

### **FIRST-QUARTER PAYROLL (\$1,000)**

Represents payroll paid to persons employed at any time during the quarter January to March 1997.

### **NUMBER OF EMPLOYEES**

Paid employees consist of the full-time and part-time employees, including salaried officers and executives of corporations. Included are employees on paid sick leave, paid holidays, and paid vacations; not included are proprietors and partners of unincorporated businesses. The definition of paid employees is the same as that is used on IRS form 941.

Includes all employees who were on the payroll during the pay period including March 12.

### **NUMBER OF ESTABLISHMENTS**

An establishment is a single physical location at which business is conducted. It is not necessarily identical with a company or enterprise, which may consist of one establishment or more. Economic census figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative

records of other Federal agencies were used instead of a census report, no information was available on the number of locations operated. Each economic census establishment was tabulated according to the physical location at which the business was conducted. The count of establishments represents those in business at any time during 1997.

When two or more activities were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted at a single location under a single ownership, separate establishments reports for each of the different activities were obtained in the census.

### **REVENUE**

Includes revenue from all business activities whether or not payment was received in the census year. Revenue does not include sales and other taxes collected from customers and remitted directly by the firm to a local, state, or Federal tax agency.

### **SALES, RECEIPTS, OR REVENUE ESTIMATED (PERCENT)**

Percent of total sales/receipts/revenue that was imputed based on historic company ratios or administrative records, or on industry averages.

### **SALES, RECEIPTS, OR REVENUE FROM ADMINISTRATIVE RECORDS (PERCENT)**

Percent of total sales/receipts/revenue obtained from administrative records of other Federal agencies.

# Appendix B.

## NAICS Codes, Titles, and Descriptions

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### **48-49 TRANSPORTATION AND WAREHOUSING**

The Transportation and Warehousing sector includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation are air, rail, water, road, and pipeline.

The Transportation and Warehousing sector distinguishes three basic types of activities: subsectors for each mode of transportation, a subsector for warehousing and storage, and a subsector for establishments providing support activities for transportation. In addition, there are subsectors for establishments that provide passenger transportation for scenic and sightseeing purposes, postal services, and courier services.

A separate subsector for support activities is established in the sector because, first, support activities for transportation are inherently multimodal, such as freight transportation arrangement, or have multimodal aspects. Secondly, there are production process similarities among the support activity industries.

One of the support activities identified in the support activity subsector is the routine repair and maintenance of transportation equipment (e.g., aircraft at an airport, railroad rolling stock at a railroad terminal, or ships at a harbor or port facility). Such establishments do not perform complete overhauling or rebuilding of transportation equipment (i.e., periodic restoration of transportation equipment to original design specifications) or transportation equipment conversion (i.e., major modification to systems). An establishment that primarily performs factory (or shipyard) overhauls, rebuilding, or conversions of aircraft, railroad rolling stock, or a ship is classified in Subsector 336, Transportation Equipment Manufacturing according to the type of equipment.

Many of the establishments in this sector often operate on networks, with physical facilities, labor forces, and equipment spread over an extensive geographic area.

Warehousing establishments in this sector are distinguished from merchant wholesaling in that the warehouse establishments do not sell the goods.

Excluded from this sector are establishments primarily engaged in providing travel agent services that support transportation and other establishments, such as hotels,

businesses, and government agencies. These establishments are classified in Sector 56, Administrative and Support, Waste Management, and Remediation Services. Also, establishments primarily engaged in providing rental and leasing of transportation equipment without operator are classified in Subsector 532, Rental and Leasing Services.

### **481 Air Transportation**

Industries in the Air Transportation subsector provide air transportation of passengers and/or cargo using aircraft, such as airplanes and helicopters. The subsector distinguishes scheduled from nonscheduled air transportation. Scheduled air carriers fly regular routes on regular schedules and operate even if flights are only partially loaded. Nonscheduled carriers often operate during non-peak time slots at busy airports. These establishments have more flexibility with respect to choice of airport, hours of operation, load factors, and similar operational characteristics. Nonscheduled carriers provide chartered air transportation of passengers, cargo, or specialty flying services. Specialty flying services establishments use general purpose aircraft to provide a variety of specialized flying services.

Scenic and sightseeing air transportation and air courier services are not included in this subsector but are included in Subsector 487, Scenic and Sightseeing Transportation and in Subsector 492, Couriers and Messengers. Although these activities may use aircraft, they are different from the activities included in air transportation. Air sightseeing does not usually involve place-to-place transportation; the passenger's flight (e.g., balloon ride, aerial sightseeing) typically starts and ends at the same location. Courier services (individual package or cargo delivery) includes more than air transportation; road transportation is usually required to deliver the cargo to the intended recipient.

### **4811 Scheduled Air Transportation**

This industry group comprises establishments primarily engaged in providing air transportation of passengers and/or cargo over regular routes and on regular schedules. Establishments in this industry operate flights even if partially loaded. Establishments primarily engaged in providing scheduled air transportation of mail on a contract basis are included in this industry.

### **48111 Scheduled Air Transportation**

This industry comprises establishments primarily engaged in providing air transportation of passengers

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and/or cargo over regular routes and on regular schedules. Establishments in this industry operate flights even if partially loaded. Establishments primarily engaged in providing scheduled air transportation of mail on a contract basis are included in this industry.

#### **481111 Scheduled Passenger Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing air transportation of passengers or passengers and freight over regular routes and on regular schedules. Establishments in this industry operate flights even if partially loaded. Scheduled air passenger carriers including commuter and helicopter carriers (except scenic and sightseeing) are included in this industry.

NAICS code 481111 are comprised of this part of the following SIC industry:

4512 (pt) Scheduled passenger carrier air transportation

#### **481112 Scheduled Freight Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing air transportation of cargo without transporting passengers over regular routes and on regular schedules. Establishments in this industry operate flights even if partially loaded. Establishments primarily engaged in providing scheduled air transportation of mail on a contract basis are included in this industry.

The data published with NAICS code 481112 is comprised of this part of the following SIC industry:

4512 (pt) Scheduled freight carrier air transportation

#### **4812 Nonscheduled Air Transportation**

This industry group comprises establishments primarily engaged in (1) providing air transportation of passengers and/or cargo with no regular routes and regular schedules or (2) providing specialty flying services with no regular routes and regular schedules using general purpose aircraft. These establishments have more flexibility with respect to choice of airports, hours of operation, load factors, and similar operational characteristics.

#### **48121 Nonscheduled Air Transportation**

This industry comprises establishments primarily engaged in (1) providing air transportation of passengers and/or cargo with no regular routes and regular schedules or (2) providing specialty flying services with no regular routes and regular schedules using general purpose aircraft. These establishments have more flexibility with respect to choice of airports, hours of operation, load factors, and similar operational characteristics.

#### **481211 Nonscheduled Chartered Passenger Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing air transportation of passengers or passengers and cargo with no regular routes and regular schedules.

The data published with NAICS code 481211 are comprised of this part of the following SIC industry:

4522 (pt) Nonscheduled charter passenger air transportation

#### **481212 Nonscheduled Chartered Freight Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing air transportation of cargo without transporting passengers with no regular routes and regular schedules.

The data published with NAICS code 481212 are comprised of this part of the following SIC industry:

4522 (pt) Nonscheduled charter freight air transportation

#### **481219 Other Nonscheduled Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing air transportation with no regular routes and regular schedules (except nonscheduled chartered passenger and/or cargo air transportation). These establishments provide a variety of specialty air transportation or flying services based on individual customer needs using general purpose aircraft.

The data published with NAICS code 481219 are comprised of this part of the following SIC industry:

4522 (pt) Variety of specialized flying services

#### **482 Rail Transportation**

Industries in the Rail Transportation subsector provide rail transportation of passengers and/or cargo using railroad rolling stock. The railroads in this subsector primarily either operate on networks, with physical facilities, labor force, and equipment spread over an extensive geographic area, or operate over a short distance on a local rail line.

Scenic and sightseeing rail transportation and street railroads, commuter rail, and rapid transit are not included in this subsector but are included in Subsector 487, Scenic and Sightseeing Transportation, and Subsector 485, Transit and Ground Passenger Transportation, respectively. Although these activities use railroad rolling stock, they are different from the activities included in rail transportation. Sightseeing and scenic railroads do not usually involve place-to-place transportation; the passenger's trip typically starts and ends at the same location. Commuter railroads operate in a manner more consistent with local and urban transit and are often part of integrated transit systems.

#### **4821 Rail Transportation**

This industry group comprises establishments primarily engaged in operating railroads (except street railroads, commuter rail, urban rapid transit, and scenic and sightseeing trains). Line-haul railroads and short line railroads are included in this industry.

## **48211 Rail Transportation**

This industry comprises establishments primarily engaged in operating railroads (except street railroads, commuter rail, urban rapid transit, and scenic and sightseeing trains). Line-haul railroads and short line railroads are included in this industry.

### **482111 Line-Haul Railroads**

This U.S. industry comprises establishments known as line-haul railroads primarily engaged in operating railroads for the transport of passengers and/or cargo over a long-distance within a rail network. These establishments provide for the intercity movement of trains between the terminals and stations on main and branch lines of a line-haul rail network (except for local switching services).

NAICS code 482111 are comprised of this part of the following SIC industry:

4011 Railroads (line-hauling operating)

### **482112 Shortline Railroads**

This U.S. industry comprises establishments known as shortline railroads primarily engaged in operating railroads for the transport of cargo over a short distance on local rail lines not part of a rail network.

NAICS code 482112 are comprised of this part of the following SIC industry:

4013 (pt) Beltline and logging railroads

## **483 Water Transportation**

Industries in the Water Transportation subsector provide water transportation of passengers and cargo using watercraft, such as ships, barges, and boats.

The subsector is composed of two industry groups: (1) one for deep sea, coastal, and Great Lakes; and (2) one for inland water transportation. This split typically reflects the difference in equipment used.

Scenic and sightseeing water transportation services are not included in this subsector but are included in Subsector 487, Scenic and Sightseeing Transportation. Although these activities use watercraft, they are different from the activities included in water transportation. Water sightseeing does not usually involve place-to-place transportation; the passenger's trip starts and ends at the same location.

## **4831 Deep Sea, Coastal, and Great Lakes Water Transportation**

This industry group comprises establishments primarily engaged in providing deep sea, coastal, Great Lakes, and St. Lawrence Seaway water transportation. Marine transportation establishments using the facilities of the St. Lawrence Seaway Authority Commission are considered to be using the Great Lakes Water Transportation System.

## **48311 Deep Sea, Coastal, and Great Lakes Water Transportation**

This industry comprises establishments primarily engaged in providing deep sea, coastal, Great Lakes, and St. Lawrence Seaway water transportation. Marine transportation establishments using the facilities of the St. Lawrence Seaway Authority Commission are considered to be using the Great Lakes Water Transportation System.

### **483111 Deep Sea Freight Transportation**

This U.S. industry comprises establishments primarily engaged in providing deep sea transportation of cargo to or from foreign ports.

The data published with NAICS code 483111 are comprised of this part of the following SIC industry:

4412 Deep sea freight transportation

### **483112 Deep Sea Passenger Transportation**

This U.S. industry comprises establishments primarily engaged in providing deep sea transportation of passengers to or from foreign ports.

The data published with NAICS code 483112 are comprised of this part of the following SIC industry:

4481 (pt) Deep sea passenger transportation, foreign (except by ferry)

### **483113 Coastal and Great Lakes Freight Transportation**

This U.S. industry comprises establishments primarily engaged in providing water transportation of cargo in coastal waters, on the Great Lakes System, or deep seas between ports of the United States, Puerto Rico, and United States island possessions or protectorates. Marine transportation establishments using the facilities of the St. Lawrence Seaway Authority Commission are considered to be using the Great Lakes Water Transportation System. Establishments primarily engaged in providing coastal and/or Great Lakes barge transportation services are included in this industry.

The data published with NAICS code 483113 are comprised of these parts of the following SIC industries:

4424 Deep sea domestic transportation of freight

4432 Great Lakes-St. Lawrence Seaway freight transportation

4492 (pt) Coastal or intercoastal towing service

### **4831131 Coastal and Intercoastal Freight Transportation**

Establishments primarily engaged in operating vessels, for transportation of freight on the deep seas between ports of the United States, Puerto Rico, and United States island possessions or protectorates.

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### **4831132 Great Lakes-St. Lawrence Seaway Freight Transportation**

Establishments primarily engaged in the transportation of freight on the Great Lakes and St. Lawrence Seaway, either between U.S. ports or between U.S. and Canadian ports.

### **4831133 Coastal and Intercoastal Towing Service**

Establishments primarily engaged in providing coastal or intercoastal towing services.

### **483114 Coastal and Great Lakes Passenger Transportation**

This U.S. industry comprises establishments primarily engaged in providing water transportation of passengers in coastal waters, the Great Lakes System, or deep seas between ports of the United States, Puerto Rico, and United States island possessions and protectorates. Marine transportation establishments using the facilities of the St. Lawrence Seaway Authority Commission are considered to be using the Great Lakes Water Transportation System.

The data published with NAICS code 483114 are comprised of these parts of the following SIC industries:

- 4481 (pt) Coastal or Great Lakes-St. Lawrence Seaway passenger transportation (except by ferry)
- 4482 (pt) Coastal or Great Lakes-St. Lawrence Seaway ferry transportation

### **4831141 Coastal and Great Lakes-St. Lawrence Seaway Passenger Transportation (Except By Ferries)**

Establishments primarily engaged in operating vessels (except ferries) for the transportation of passengers on the Great Lakes-St. Lawrence Seaway or on coastal waterways.

### **4831142 Coastal and Great Lakes-St. Lawrence Seaway Ferry Transportation**

Establishments primarily engaged in operating ferries on the Great Lakes-St. Lawrence Seaway, or on coastal waters for the transportation of passengers or vehicles.

### **4832 Inland Water Transportation**

This industry group comprises establishments primarily engaged in providing inland water transportation of passengers and/or cargo on lakes, rivers, or intracoastal waterways (except on the Great Lakes System).

### **48321 Inland Water Transportation**

This industry comprises establishments primarily engaged in providing inland water transportation of passengers and/or cargo on lakes, rivers, or intracoastal waterways (except on the Great Lakes System).

### **483211 Inland Water Freight Transportation**

This U.S. industry comprises establishments primarily engaged in providing inland water transportation of cargo on lakes, rivers, or intracoastal waterways (except on the Great Lakes System).

The data published with NAICS code 483211 are comprised of the following SIC industries:

- 4449 Inland waterways freight transportation
- 4492 (pt) Inland waterways towing service

### **4832111 Inland Waterways Freight Transportation (Except Towing)**

Establishments primarily engaged in transporting freight on all inland waterways (except the Great Lakes-St. Lawrence Seaway). Included are establishments engaged in transporting freight on the intracoastal waterways on the Atlantic and Gulf coasts.

### **4832112 Inland Waterways Towing Transportation**

Establishments primarily engaged in providing towing services on inland waterways.

### **483212 Inland Water Passenger Transportation**

This U.S. industry comprises establishments primarily engaged in providing inland water transportation of passengers on lakes, rivers, or intracoastal waterways (except on the Great Lakes System).

The data published with NAICS code 483212 are comprised of these parts of the following SIC industries:

- 4482 (pt) Inland waterways ferry transportation
- 4489 (pt) Other water passenger transportation (including water taxi)

### **4832121 Inland Waterways Ferry Transportation**

Establishments primarily engaged in operating ferries on inland waters for the transportation of passengers or vehicles.

### **4832122 Other Water Passenger Transportation (Including Water Taxi)**

Establishments primarily engaged in furnishing inland water transportation of passengers (except ferries and yachts on the Great Lakes-St. Lawrence Seaway).

### **484 Truck Transportation**

Industries in the Truck Transportation subsector provide over-the-road transportation of cargo using motor vehicles, such as trucks and tractor trailers. The subsector is subdivided into general freight trucking and specialized freight trucking. This distinction reflects differences in equipment used, type of load carried, scheduling, terminal, and other networking services. General freight transportation establishments handle a wide variety of general



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commodities, generally palletized, and transported in a container or van trailer. Specialized freight transportation is the transportation of cargo that, because of size, weight, shape, or other inherent characteristics require specialized equipment for transportation.

Each of these industry groups is further subdivided based on distance traveled. Local trucking establishments primarily carry goods within a single metropolitan area and its adjacent nonurban areas. Long distance trucking establishments carry goods between metropolitan areas.

The Specialized Freight Trucking industry group includes a separate industry for Used Household and Office Goods Moving. The household and office goods movers are separated because of the substantial network of establishments that has been developed to deal with local and long-distance moving and the associated storage. In this area, the same establishment provides both local and long-distance services, while other specialized freight establishments generally limit their services to either local or long-distance hauling.

#### **4841 General Freight Trucking**

This industry group comprises establishments primarily engaged in providing general freight trucking. General freight establishments handle a wide variety of commodities, generally palletized, and transported in a container or van trailer. The establishments of this industry group provide a combination of the following network activities: local pickup, local sorting and terminal operations, line-haul, destination sorting and terminal operations, and local delivery.

#### **48411 General Freight Trucking, Local**

This industry comprises establishments primarily engaged in providing local general freight trucking. General freight establishments handle a wide variety of commodities, generally palletized and transported in a container or van trailer. Local general freight trucking establishments usually provide trucking within a metropolitan area which may cross state lines. Generally the trips are same-day return.

#### **484110 General Freight Trucking, Local**

This U.S. industry comprises establishments primarily engaged in providing local general freight trucking. General freight establishments handle a wide variety of commodities, generally palletized and transported in a container or van trailer. Local general freight trucking establishments usually provide trucking within a metropolitan area which may cross state lines. Generally the trips are same-day return.

The data published with NAICS code 484110 are comprised of these parts of the following SIC industries:

4212 (pt) Local general freight trucking without storage, truckload

4214 (pt) Local general freight trucking with storage, truckload

#### **4841101 Local General Freight Trucking Without Storage, Truckload**

Establishments primarily engaged in furnishing truckload trucking or transfer of general merchandise without storage, within a city, town, or other local areas, including adjoining towns and suburban areas. Generally the trips are same-day return. General merchandise is defined as material or goods of many varieties that are packaged, generally palletized, and carried in a box, container, or van trailer and do not require refrigeration, controlled humidity, or other special handling. Truckload is defined as shipments with an actual weight of 10,000 pounds or more.

#### **4841102 Local General Freight Trucking Without Storage, Less Than Truckload**

Establishments primarily engaged in furnishing less-than-truckload trucking or transfer of general merchandise without storage, within a city, town, or other local areas, including adjoining towns and suburban areas. Generally the trips are same-day return. General merchandise is defined as material or goods of many varieties that are packaged, generally palletized, and carried in a box, container, or van trailer and do not require refrigeration, controlled humidity, or other special handling. Less-than-truckload is defined as shipments with an actual weight of less than 10,000 pounds.

#### **4841103 Local General Freight Trucking With Storage, Truckload**

Establishments primarily engaged in furnishing general freight truckload trucking and storage services within a city, town, or other local areas, including adjoining suburban areas. General merchandise is defined as material or goods of many varieties that are packaged generally palletized, and carried in a box, container, or van trailer and do not require refrigeration, controlled humidity, or other special handling. Truckload is defined as shipments with an actual weight of 10,000 pounds or more.

#### **4841104 Local General Freight Trucking With Storage, Less Than Truckload**

Establishments primarily engaged in furnishing general freight less-than-truckload trucking and storage services within a city, town, or other local area, including adjoining suburban areas. General merchandise is defined as material or goods of many varieties which are packaged, generally palletized, and carried in a box, container, or van trailer and do not require refrigeration, controlled humidity, or other special handling. Less-than-truckload is defined as shipments with an actual weight of less than 10,000 pounds.

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## **48412 General Freight Trucking, Long-Distance**

This industry comprises establishments primarily engaged in providing long-distance general freight trucking. General freight establishments handle a wide variety of commodities, generally palletized and transported in a container or van trailer. Long-distance general freight trucking establishments usually provide trucking between metropolitan areas which may cross North American country borders. Included in this industry are establishments operating as truckload (TL) or less than truckload (LTL) carriers.

### **484121 General Freight Trucking, Long-Distance, Truckload**

This U.S. industry comprises establishments primarily engaged in providing long-distance general freight truckload (TL) trucking. These long-distance general freight truckload carrier establishments provide full truck movement of freight from origin to destination. The shipment of freight on a truck is characterized as a full single load not combined with other shipments.

The data published with NAICS code 484121 are comprised of this part of the following SIC industry:

- 4213 (pt) General freight trucking (except local), truckload

### **484122 General Freight Trucking, Long-Distance, Less Than Truckload**

This U.S. industry comprises establishments primarily engaged in providing long-distance, general freight, less than truckload (LTL) trucking. LTL carriage is characterized as multiple shipments combined into a single truck for multiple deliveries within a network. These establishments are generally characterized by the following network activities: local pickup, local sorting and terminal operations, line-haul, destination sorting and terminal operations, and local delivery.

NAICS code 484122 is comprised of this part of the following SIC industry:

- 4213 (pt) Trucking, Except Local (general freight, less than truckload)

## **4842 SPECIALIZED FREIGHT TRUCKING**

This industry group comprises establishments primarily engaged in providing local or long-distance specialized freight trucking. The establishments of this industry are primarily engaged in the transportation of freight which, because of size, weight, shape, or other inherent characteristics, requires specialized equipment, such as flatbeds, tankers, or refrigerated trailers. This industry includes the transportation of used household, institutional, and commercial furniture and equipment.

## **48421 Used Household and Office Goods Moving**

This industry comprises establishments primarily engaged in providing local or long-distance trucking of used household, used institutional, or used commercial furniture and equipment. Incidental packing and storage activities are often provided by these establishments.

### **484210 Used Household and Office Goods Moving**

This U.S. industry comprises establishments primarily engaged in providing local or long-distance trucking of used household, used institutional, or used commercial furniture and equipment. Incidental packing and storage activities are often provided by these establishments.

The data published with NAICS code 484210 are comprised of these parts of the following SIC industries:

- 4212 (pt) Local household goods moving without storage
- 4213 (pt) Households goods moving (except local)
- 4214 (pt) Local households goods moving with storage

### **4842101 Local Used Household and Office Goods Moving, Without Storage**

Establishments primarily engaged in furnishing trucking or transfer of used household, institutional, and commercial furniture and equipment without storage, within a city, town, or other local area, including adjoining towns and suburban areas.

### **4842102 Long-Distance Used Household and Office Goods Moving**

Establishments primarily engaged in furnishing trucking of used household, institutional, and commercial furniture and equipment. Such trucking is generally beyond a single metropolitan area or adjacent metropolitan areas.

### **4842103 Local Used Household and Office Goods Moving, With Storage**

Establishments primarily engaged in furnishing trucking and storage of furniture and other household goods within a city, town, or other local area, including adjoining towns and suburban areas.

### **48422 Specialized Freight (Except Used Goods) Trucking, Local**

This industry comprises establishments primarily engaged in providing local, specialized trucking. Local trucking establishments provide trucking within a metropolitan area that may cross state lines. Generally the trips are same-day return.

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### **484220 Specialized Freight (Except Used Goods) Trucking, Local**

This U.S. industry comprises establishments primarily engaged in providing local, specialized trucking. Local trucking establishments provide trucking within a metropolitan area that may cross state lines. Generally the trips are same-day return.

The data published with NAICS code 484220 are comprised of these parts of the following SIC industries:

4212 (pt) Local specialized trucking without storage

4214 (pt) Local specialized trucking with storage

### **4842201 Local Hazardous Materials Trucking (Except Waste)**

Establishments primarily engaged in furnishing trucking or transfer of hazardous materials (except waste), including liquid petroleum products, within a city, town, or other local areas, including adjoining towns and suburban areas. Generally the trips are same-day return.

### **4842202 Local Agricultural Products Trucking Without Storage**

Establishments primarily engaged in furnishing trucking or transfer of agricultural products without storage, within a city, town, or other local areas, including adjoining towns and suburban areas, without the use of refrigeration or controlled humidity equipment. Generally the trips are same-day return.

### **4842203 Dump Trucking**

Establishments primarily engaged in furnishing dump trucking service of material, such as sand, gravel or dirt within a city, town, or other local areas, including adjoining towns and suburban areas.

### **4842204 Local Specialized Trucking Without Storage**

Establishments primarily engaged in furnishing specialized trucking service requiring special handling, such as refrigeration or controlled humidity, without storage within a city, town, or other local areas, including adjoining towns and suburban areas.

### **4842205 Local, Specialized Freight (Except Used Goods) Trucking**

This industry comprises establishments primarily engaged in providing local, specialized trucking using specialized equipment to control refrigeration and humidity. Local trucking establishments provide trucking within a metropolitan area that may cross state lines. Generally, the trips are same-day return.

### **48423 Specialized Freight (Except Used Goods) Trucking, Long-Distance**

This industry comprises establishments primarily engaged in providing long-distance specialized trucking. These establishments provide trucking between metropolitan areas that may cross North American country borders.

### **484230 Specialized Freight (Except Used Goods) Trucking, Long-Distance**

This U.S. industry comprises establishments primarily engaged in providing long-distance specialized trucking. These establishments provide trucking between metropolitan areas that may cross North American country borders.

The data published with NAICS code 484230 are comprised of this part of the following SIC industry:

4213 (pt) Hazardous, agricultural and other specialized products trucking (except local)

### **4842301 Hazardous Materials Trucking (Except Waste), Long-Distance**

Establishments primarily engaged in furnishing trucking and transfer of hazardous materials (except waste) including liquid petroleum products. Such trucking is generally beyond a single metropolitan area or adjacent metropolitan areas.

### **4842302 Agricultural Products Trucking, Long-Distance**

Establishments primarily engaged in furnishing trucking of agricultural products, without the use of refrigeration or controlled humidity equipment. Such trucking is generally beyond a single metropolitan area or adjacent metropolitan areas.

### **4842303 Other Specialized Trucking, Long-Distance**

Establishments primarily engaged in furnishing specialized trucking service requiring special handling, such as refrigeration or controlled humidity. Such trucking is generally beyond a single metropolitan area or adjacent metropolitan areas.

### **485 Transit and Ground Passenger Transportation**

Industries in the Transit and Ground Passenger Transportation subsector include a variety of passenger transportation activities, such as urban transit systems; chartered bus, school bus, and interurban bus transportation; and taxis. These activities are distinguished based primarily on such production process factors as vehicle types, routes, and schedules.

In this subsector, the principal splits identify scheduled transportation as separate from nonscheduled transportation. The scheduled transportation industry groups are

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Urban Transit Systems, Interurban and Rural Bus Transportation, and School and Employee Bus Transportation. The nonscheduled industry groups are the Charter Bus Industry and Taxi and Limousine Service. The Other Transit and Ground Passenger Transportation Industry group includes both scheduled and nonscheduled transportation.

Scenic and sightseeing ground transportation services are not included in this subsector but are included in Subsector 487, Scenic and Sightseeing Transportation. Sightseeing does not usually involve place-to-place transportation; the passenger's trip starts and ends at the same location.

### **4851 Urban Transit Systems**

This industry group comprises establishments primarily engaged in operating local and suburban passenger transit systems over regular routes and on regular schedules within a metropolitan area and its adjacent nonurban areas. Such transportation systems involve the use of one or more modes of transport including light rail, commuter rail, subways, streetcars, as well as buses and other motor vehicles.

#### **48511 Urban Transit Systems**

This industry comprises establishments primarily engaged in operating local and suburban passenger transit systems over regular routes and on regular schedules within a metropolitan area and its adjacent nonurban areas. Such transportation systems involve the use of one or more modes of transport including light rail, commuter rail, subways, streetcars, as well as buses and other motor vehicles.

#### **485111 Mixed Mode Transit Systems**

This U.S. industry comprises establishments primarily engaged in operating local and suburban ground passenger transit systems using more than one mode of transport over regular routes and on regular schedules within a metropolitan area and its adjacent nonurban areas.

The data published with NAICS code 485111 are comprised of this part of the following SIC industry:

4111 (pt) Mixed mode transit systems (including combination bus, subway, trolley, etc)

#### **485112 Commuter Rail Systems**

This U.S. industry comprises establishments primarily engaged in operating local and suburban commuter rail systems over regular routes and on a regular schedule within a metropolitan area and its adjacent nonurban areas. Commuter rail is usually characterized by reduced fares, multiple ride, and commutation tickets and mostly used by passengers during the morning and evening peak periods.

The data published with NAICS code 485112 are comprised of this part of the following SIC industry:

4111 (pt) Commuter rail transit systems

### **485113 Bus and Other Motor Vehicle Transit Systems**

This U.S. industry comprises establishments primarily engaged in operating local and suburban passenger transportation systems using buses or other motor vehicles over regular routes and on regular schedules within a metropolitan area and its adjacent nonurban areas.

The data published with NAICS code 485113 are comprised of this part of the following SIC industry:

4111 (pt) Bus and motor vehicle transit systems

### **485119 Other Urban Transit Systems**

This U.S. industry comprises establishments primarily engaged in operating local and suburban ground passenger transit systems (except mixed mode transit systems, commuter rail systems, and buses and other motor vehicles) over regular routes and on regular schedules within a metropolitan area and its adjacent nonurban areas.

The data published with NAICS code 485119 are comprised of this part of the following SIC industry:

4111 (pt) Other transit systems

### **4852 Interurban and Rural Bus Transportation**

This industry group comprises establishments primarily engaged in providing bus passenger transportation over regular routes and on regular schedules, principally outside a single metropolitan area and its adjacent nonurban areas.

#### **48521 Interurban and Rural Bus Transportation**

This industry comprises establishments primarily engaged in providing bus passenger transportation over regular routes and on regular schedules, principally outside a single metropolitan area and its adjacent nonurban areas.

#### **485210 Interurban and Rural Bus Transportation**

This U.S. industry comprises establishments primarily engaged in providing bus passenger transportation over regular routes and on regular schedules, principally outside a single metropolitan area and its adjacent nonurban areas.

The data published with NAICS code 485210 are comprised of this part of the following SIC industry:

4131 Interurban and rural bus transportation

### **4853 Taxi and Limousine Service**

This NAICS industry group includes establishments classified in the following NAICS industries: 48531, Taxi Service and 48532, Limousine Service.



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### **48531 Taxi Service**

This industry comprises establishments primarily engaged in providing passenger transportation by automobile or van, not operated over regular routes and on regular schedules. Establishments of taxicab owner/operator, taxicab fleet operators, or taxicab organizations are included in this industry.

#### **485310 Taxi Service**

This U.S. industry comprises establishments primarily engaged in providing passenger transportation by automobile or van, not operated over regular routes and on regular schedules. Establishments of taxicab owner/operator, taxicab fleet operators, or taxicab organizations are included in this industry.

The data published with NAICS code 485310 are comprised of this part of the following SIC industry:

4121 Taxi service

### **48532 Limousine Service**

This industry comprises establishments primarily engaged in providing an array of specialty and luxury passenger transportation services via limousine or luxury sedans generally on a reserved basis. These establishments do not operate over regular routes and on regular schedules.

#### **485320 Limousine Service**

This U.S. industry comprises establishments primarily engaged in providing an array of specialty and luxury passenger transportation services via limousine or luxury sedans generally on a reserved basis. These establishments do not operate over regular routes and on regular schedules.

The data published with NAICS code 485320 are comprised of this part of the following SIC industry:

4119 (pt) Limousine or auto rental with driver  
(except scheduled airport shuttle service)

### **4854 School and Employee Bus Transportation**

This industry group comprises establishments primarily engaged in providing buses and other motor vehicles to transport pupils to and from school or employees to and from work.

#### **48541 School and Employee Bus Transportation**

This industry comprises establishments primarily engaged in providing buses and other motor vehicles to transport pupils to and from school or employees to and from work.

### **485410 School and Employee Bus Transportation**

This U.S. industry comprises establishments primarily engaged in providing buses and other motor vehicles to transport pupils to and from school or employees to and from work.

The data published with NAICS code 485410 are comprised of these parts of the following SIC industries:

4151 School bus service

4119 (pt) Employee bus service

#### **4854101 School Bus Service**

Establishments primarily engaged in operating buses to transport pupils to and from school.

#### **4854102 Employee Bus Service**

Establishments primarily engaged in operating buses or other motor vehicles to transport workers to and from work sites.

### **4855 Charter Bus Industry**

This industry group comprises establishments primarily engaged in providing buses for charter. These establishments provide bus services to meet customers' road transportation needs and generally do not operate over fixed routes and on regular schedules.

#### **48551 Charter Bus Industry**

This industry comprises establishments primarily engaged in providing buses for charter. These establishments provide bus services to meet customers' road transportation needs and generally do not operate over fixed routes and on regular schedules.

#### **485510 Charter Bus Industry**

This U.S. industry comprises establishments primarily engaged in providing buses for charter. These establishments provide bus services to meet customers' road transportation needs and generally do not operate over fixed routes and on regular schedules.

The data published with NAICS code 485510 are comprised of the following SIC industries:

4141 Charter bus service, local

4142 Charter bus service, interstate/interurban

#### **4855101 Charter Bus Service, Local**

Establishments primarily engaged in furnishing charter bus passenger transportation service where such operations are principally within a single municipality, adjoining municipalities, or a municipality and its suburban areas.

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### **4855102 Charter Bus Service, Interstate/Interurban**

Establishments primarily engaged in furnishing charter bus passenger transportation service where such operations are principally outside a single municipality, outside one group of adjoining municipalities, or outside a single municipality and its suburban areas, and do not operate on regular routes or schedules.

### **4859 Other Transit and Ground Passenger Transportation**

This industry group comprises establishments primarily engaged in providing other transit and ground passenger transportation (except urban transit systems, interurban and rural bus transportation, taxi services, school and employee bus transportation, charter bus services, and limousine services (except shuttle services)). Shuttle services (except employee bus) and special needs transportation services are included in this industry. Shuttle services establishments generally travel within a metropolitan area and its adjacent nonurban areas on regular routes, on regular schedules and provide services between hotels, airports, or other destination points. Special needs transportation establishments provide passenger transportation to the infirm, elderly, or handicapped. These establishments may use specially equipped vehicles to provide passenger transportation.

### **48599 Other Transit and Ground Passenger Transportation**

This industry comprises establishments primarily engaged in providing other transit and ground passenger transportation (except urban transit systems, interurban and rural bus transportation, taxi services, school and employee bus transportation, charter bus services, and limousine services (except shuttle services)). Shuttle services (except employee bus) and special needs transportation services are included in this industry. Shuttle services establishments generally travel within a metropolitan area and its adjacent nonurban areas on regular routes, on regular schedules and provide services between hotels, airports, or other destination points. Special needs transportation establishments provide passenger transportation to the infirm, elderly, or handicapped. These establishments may use specially equipped vehicles to provide passenger transportation.

### **485991 Special Needs Transportation**

This U.S. industry comprises establishments primarily engaged in providing special needs transportation (except to and from school or work) to the infirm, elderly, or handicapped. These establishments may use specially equipped vehicles to provide passenger transportation.

The data published with NAICS code 485991 are comprised of this part of the following SIC industry:

4119 (pt) Special needs transportation (including paratransit, senior citizen, nonemergency medical, handicapped, etc.)

### **485999 All Other Transit and Ground Passenger Transportation**

This U.S. industry comprises establishments primarily engaged in providing ground passenger transportation (except urban transit systems; interurban and rural bus transportation, taxi and/or limousine services (except shuttle services), school and employee bus transportation, charter bus services, and special needs transportation). Establishments primarily engaged in operating shuttle services and vanpools are included in this industry. Shuttle services establishments generally provide travel on regular routes and on regular schedules between hotels, airports, or other destination points.

The data published with NAICS code 485999 are comprised of these parts of the following SIC industries:

4111 (pt) Scheduled airport shuttle service

4119 (pt) Other passenger transportation

### **4859991 Scheduled Airport Shuttle Service**

Establishments primarily engaged in furnishing passenger transportation by automobile or bus, to, from, or between airports or other points of destination, over regular routes.

### **4859992 All Other Passenger Transportation**

Establishments primarily engaged in furnishing miscellaneous passenger transportation, where such operations are principally within a single municipality, adjoining municipalities, or a municipality and its suburban areas.

### **486 Pipeline Transportation**

Industries in the Pipeline Transportation subsector use transmission pipelines to transport products, such as crude oil, natural gas, refined petroleum products, and slurry. Industries are identified based on the products transported (i.e., pipeline transportation of crude oil, natural gas, refined petroleum products, and other products).

The Pipeline Transportation of Natural Gas industry includes the storage of natural gas because the storage is usually done by the pipeline establishment and because a pipeline is inherently a network in which all the nodes are interdependent.

### **4861 Pipeline Transportation of Crude Oil**

This industry group comprises establishments primarily engaged in the pipeline transportation of crude oil.

### **48611 Pipeline Transportation of Crude Oil**

This industry comprises establishments primarily engaged in the pipeline transportation of crude oil.

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### **486110 Pipeline Transportation of Crude Oil**

This U.S. industry comprises establishments primarily engaged in the pipeline transportation of crude oil.

The data published with NAICS code 486110 are comprised of the following SIC industry:

4612 Pipeline transportation of crude oil

### **4862 Pipeline Transportation of Natural Gas**

This industry group comprises establishments primarily engaged in the pipeline transportation of natural gas from processing plants to local distribution systems.

### **48621 Pipeline Transportation of Natural Gas**

This industry comprises establishments primarily engaged in the pipeline transportation of natural gas from processing plants to local distribution systems.

### **486210 Pipeline Transportation of Natural Gas**

This U.S. industry comprises establishments primarily engaged in the pipeline transportation of natural gas from processing plants to local distribution systems.

The data published with NAICS code 486210 are comprised of these parts of the following SIC industries:

4922 Pipeline transportation of natural gas

4923 (pt) Natural gas transmission and distribution (transmission)

### **4862101 Natural Gas Transmission**

Establishments engaged in the pipeline transmission of natural gas. Storage incidental and related to the pipeline transmission of natural gas is also included.

### **4862102 Natural Gas Transmission and Distribution (Transmission)**

Establishments primarily engaged in the transportation of natural gas by pipeline and secondarily providing local distribution systems. Storage incidental and related to the transportation of the natural gas is included.

### **4869 Other Pipeline Transportation**

This industry group comprises establishments primarily engaged in the pipeline transportation of products (except crude oil and natural gas).

### **48691 Pipeline Transportation of Refined Petroleum Products**

This industry comprises establishments primarily engaged in the pipeline transportation of refined petroleum products.

### **486910 Pipeline Transportation of Refined Petroleum Products**

This U.S. industry comprises establishments primarily engaged in the pipeline transportation of refined petroleum products.

The data published with NAICS code 486910 are comprised of the following SIC industry:

4613 Pipeline transportation of refined petroleum products

### **48699 All Other Pipeline Transportation**

This industry comprises establishments primarily engaged in the pipeline transportation of products except crude oil, natural gas, and refined petroleum products.

### **486990 All Other Pipeline Transportation**

This U.S. industry comprises establishments primarily engaged in the pipeline transportation of products except crude oil, natural gas, and refined petroleum products.

The data published with NAICS code 486990 are comprised of the following SIC industry:

4619 All other pipeline transportation

### **487 Scenic and Sightseeing Transportation**

Industries in the Scenic and Sightseeing Transportation subsector utilize transportation equipment to provide recreation and entertainment. These activities have a production process distinct from passenger transportation carried out for the purpose of other types of for-hire transportation. This process does not emphasize efficient transportation; in fact, such activities often use obsolete vehicles, such as steam trains, to provide some extra ambience. The activity is local in nature, usually involving a same-day return to the point of departure.

The Scenic and Sightseeing Transportation subsector is separated into three industries based on the mode: land, water, and other.

Activities that are recreational in nature and involve participation by the customer, such as white-water rafting, are generally excluded from this subsector, unless they impose an impact on part of the transportation system. Charter boat fishing, for example, is included in the Scenic and Sightseeing Transportation, Water industry.

### **4871 Scenic and Sightseeing Transportation, Land**

This industry group comprises establishments primarily engaged in providing scenic and sightseeing transportation on land, such as sightseeing buses and trolleys, steam train excursions, and horse-drawn sightseeing rides. The services provided are usually local and involve same-day return to place of origin.

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### **48711 Scenic and Sightseeing Transportation, Land**

This industry comprises establishments primarily engaged in providing scenic and sightseeing transportation on land, such as sightseeing buses and trolleys, steam train excursions, and horse-drawn sightseeing rides. The services provided are usually local and involve same-day return to place of origin.

#### **487110 Scenic and Sightseeing Transportation, Land**

This U.S. industry comprises establishments primarily engaged in providing scenic and sightseeing transportation on land, such as sightseeing buses and trolleys, steam train excursions, and horse-drawn sightseeing rides. The services provided are usually local and involve same-day return to place of origin.

The data published with NAICS code 487110 are comprised of these parts of the following SIC industries:

- 4119 (pt) Sightseeing buses
- 4789 (pt) Horse drawn cabs and carriages
- 7999 (pt) Scenic railroads

#### **4871101 Sightseeing Buses**

Establishments primarily engaged in furnishing sightseeing buses where such operations are principally within a single municipality, contiguous municipalities, or a municipality and its suburban areas.

#### **4871102 Horse Drawn Cabs and Carriages**

Establishments primarily engaged in furnishing horse-drawn cab and carriage passenger transportation.

#### **4871103 Scenic Railroad**

Establishments primarily engaged in providing scenic and sightseeing railroad transportation rides. These establishments often use vintage or specialized transportation equipment. The services provided are local and usually involving same-day return to place or origin.

### **4872 Scenic and Sightseeing Transportation, Water**

This industry group comprises establishments primarily engaged in providing scenic and sightseeing transportation on water. The services provided are usually local and involve same-day return to place of origin.

#### **48721 Scenic and Sightseeing Transportation, Water**

This industry comprises establishments primarily engaged in providing scenic and sightseeing transportation on water. The services provided are usually local and involve same-day return to place of origin.

### **487210 Scenic and Sightseeing Transportation, Water**

This U.S. industry comprises establishments primarily engaged in providing scenic and sightseeing transportation on water. The services provided are usually local and involve same-day return to place of origin.

The data published with NAICS code 487210 are comprised of these parts of the following SIC industries:

- 4489 (pt) Excursion and sightseeing boats (including dinner cruises)
- 7999 (pt) Charter fishing or party fishing boats

#### **4872101 Excursion and Sightseeing Boats (Including Dinner Cruises)**

Establishments primarily engaged in providing scenic, sightseeing and excursion water transportation. Generally, the trips are same-day return to place of origin.

#### **4872102 Charter Fishing and Party Fishing Boats**

Establishments primarily engaged in providing charter or party fishing boat services.

### **4879 Scenic and Sightseeing Transportation, Other**

This industry comprises establishments primarily engaged in providing scenic and sightseeing transportation (except on land and water). The services provided are usually local and involve same-day return to place of departure.

#### **48799 Scenic and Sightseeing Transportation, Other**

This industry comprises establishments primarily engaged in providing scenic and sightseeing transportation (except on land and water). The services provided are usually local and involve same-day return to place of departure.

#### **487990 Scenic and Sightseeing Transportation, Other**

This U.S. industry comprises establishments primarily engaged in providing scenic and sightseeing transportation (except on land and water). The services provided are usually local and involve same-day return to place of departure.

The data published with NAICS code 487990 are comprised of these parts of the following SIC industries:

- 4522 (pt) Sightseeing airplanes and helicopters
- 7999 (pt) Aerial tramways (scenic or sightseeing) and cable lifts



### **4879901 Sightseeing Airplanes or Helicopters**

Establishments primarily engaged in providing air sightseeing services, usually involving same-day return to place of origin.

### **4879902 Aerial Tramway (Scenic or Sightseeing) and Cable Lifts**

Establishments primarily engaged in operating cable lifts (other than ski facilities) or operating scenic or amusement aerial tramways.

### **488 Support Activities for Transportation**

Industries in the Support Activities for Transportation subsector provide services which support transportation. These services may be provided to transportation carrier establishments or to the general public. This subsector includes a wide array of establishments, including air traffic control services, marine cargo handling, and motor vehicle towing.

The Support Activities for Transportation subsector includes services to transportation but is separated from the various transportation subsectors and is further split by type of mode serviced. The Support Activities for Rail Transportation industry includes services to the rail industry (e.g., railroad switching and terminal establishments).

Ship repair and maintenance not done in a shipyard are included in Other Support Activities for Water Transportation. An example would be a floating drydock services in a harbor.

Excluded from this subsector are establishments primarily engaged in providing factory conversion and overhaul of transportation equipment, which are classified in Subsector 336, Transportation Equipment Manufacturing. Also, establishments primarily engaged in providing rental and leasing of transportation equipment without operator are classified in Subsector 532, Rental and Leasing Services.

### **4881 SUPPORT ACTIVITIES FOR AIR TRANSPORTATION**

This industry group comprises establishments primarily engaged in providing services to the air transportation industry. These services include airport operation, servicing, repairing (except factory conversion and overhaul of aircraft), maintaining and storing aircraft, and ferrying aircraft.

#### **48811 Airport Operations**

This industry comprises establishments primarily engaged in (1) operating international, national, or civil airports or public flying field or (2) supporting airport operations (except special food services contractors), such as rental of hangar space, air traffic control services, baggage handling services, and cargo handling services.

#### **488111 Air Traffic Control**

This U.S. industry comprises establishments primarily engaged in providing air traffic control services to regulate the flow of air traffic.

NAICS code 488111 are comprised of these parts of the following SIC industries:

4581 (pt) Airport traffic control

9621 (pt) Registration and administration of transportation programs (government air traffic control)

#### **4881111 Nongovernment Air Traffic Control**

Establishments primarily engaged in operating air traffic control facilities.

#### **4881112 Government Air Traffic Control**

Government establishments primarily engaged in operating air traffic control facilities.

#### **488119 Other Airport Operations**

This U.S. industry comprises establishments primarily engaged in (1) operating international, national, or civil airports, or public flying field or (2) supporting airport operations, such as rental of hangar space, and providing baggage handling and/or cargo handling services.

The data published with NAICS code 488119 are comprised of these parts of the following SIC industries:

4581 (pt) Airport operation and terminal services (including fixed base operators, airfreight handling, and hangar operations)

4959 (pt) Vacuuming of airport runways

#### **4881191 Airport Operation and Terminal Services**

Establishments primarily engaged in operating airports and flying fields, storing aircraft, and in furnishing coordinated handling services for airfreight or passengers at airports.

#### **4881192 Vacuuming of Runways**

Establishments primarily engaged in the vacuuming of airport runways.

#### **48819 Other Support Activities for Air Transportation**

This industry comprises establishments primarily engaged in providing specialized services for air transportation (except air traffic control and other airport operations).

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### **488190 Other Support Activities for Air Transportation**

This U.S. industry comprises establishments primarily engaged in providing specialized services for air transportation (except air traffic control and other airport operations).

The data published with NAICS code 488190 are comprised of this part of the following SIC industry:

4581 (pt) Other airport and aircraft transportation services

### **4882 Support Activities for Rail Transportation**

This industry group comprises establishments primarily engaged in providing specialized services for railroad transportation including servicing, routine repairing (except factory conversion, overhaul or rebuilding of rolling stock), and maintaining rail cars; loading and unloading rail cars; and operating independent terminals.

#### **48821 Support Activities for Rail Transportation**

This industry comprises establishments primarily engaged in providing specialized services for railroad transportation including servicing, routine repairing (except factory conversion, overhaul or rebuilding of rolling stock), and maintaining rail cars; loading and unloading rail cars; and operating independent terminals.

#### **488210 Support Activities for Rail Transportation**

This U.S. industry comprises establishments primarily engaged in providing specialized services for railroad transportation including servicing, routine repairing (except factory conversion, overhaul or rebuilding of rolling stock), and maintaining rail cars; loading and unloading rail cars; and operating independent terminals.

NAICS code 488210 are comprised of these parts of the following SIC industries:

4013 (pt) Railroad switching and terminal establishments

4789 (pt) Support activities incidental to rail transportation

#### **4882101 Support Activities Incidental to Rail Transportation**

Establishments primarily engaged in furnishing services incidental to rail transportation (except railroad switching and terminal activities).

#### **4882102 Railroad Switching and Terminal Establishments**

Establishments primarily engaged in the furnishing of terminal facilities for rail passenger or freight traffic for railway operators. Terminal companies operate the stations and terminals. This activity is out of scope for the 1997 Economic Census.

### **4883 Support Activities for Water Transportation**

This NAICS industry group includes establishments classified in the following NAICS industries: 48831, Port and Harbor Operations; 48832, Marine Cargo Handling; 48833, Navigational Services to Shipping; and 48839, Other Support Activities for Water Transportation.

#### **48831 Port and Harbor Operations**

This industry comprises establishments primarily engaged in operating ports, harbors (including docking and pier facilities), or canals.

#### **488310 Port and Harbor Operations**

This U.S. industry comprises establishments primarily engaged in operating ports, harbors (including docking and pier facilities), or canals.

The data published with NAICS code 488310 are comprised of these parts of the following SIC industries:

4491 (pt) Operation of a port or waterfront terminal

4499 (pt) Seaway and lighthouse operations

#### **4883101 Operation of Port and Waterfront Terminals**

Establishments primarily engaged in the operation and maintenance of piers, docks, and associated buildings and facilities.

#### **4883102 Seaway and Lighthouse Operations**

Establishments primarily engaged in lighthouse operations or in operating ports or harbors (except piers, docks, and associated buildings and facilities).

#### **48832 Marine Cargo Handling**

This industry comprises establishments primarily engaged in providing stevedoring and other marine cargo handling services (except warehousing).

#### **488320 Marine Cargo Handling**

This U.S. industry comprises establishments primarily engaged in providing stevedoring and other marine cargo handling services (except warehousing).

The data published with NAICS code 488320 are comprised of this part of the following SIC industry:

4491 (pt) Marine cargo handling (including stevedoring)

#### **48833 Navigational Services to Shipping and Salvage**

This industry comprises establishments primarily engaged in providing navigational services to shipping. Marine salvage establishments are included in this industry.

### **488330 Navigational Services to Shipping**

This U.S. industry comprises establishments primarily engaged in providing navigational services to shipping. Marine salvage establishments are included in this industry.

The data published with NAICS code 488330 are comprised of these parts of the following SIC industries:

4492 (pt) Tugboat service (including fleet and harbor service)

4499 (pt) Navigational services

### **4883301 Tugboat Service (Including Fleet and Harbor Service)**

Establishments primarily engaged in providing tugboat navigational services in the performance of terminal services, such as docking or undocking of vessels.

### **4883302 Navigational Services**

Establishments primarily engaged in providing navigational services to ships (except tugboat services).

### **4883303 Marine Salvaging and Wrecking (Including Dismantling of Ships)**

Establishments primarily engaged in providing marine salvaging and wrecking, including dismantling of ships.

### **48839 Other Support Activities for Water Transportation**

This industry comprises establishments primarily engaged in providing services to water transportation (except port and harbor operations; marine cargo handling services; and marine salvage and marine salvage and navigational services to shipping).

### **488390 Other Support Activities for Water Transportation**

This U.S. industry comprises establishments primarily engaged in providing services to water transportation (except port and harbor operations; marine cargo handling services; and navigational services to shipping).

The data published with NAICS code 488390 are comprised of these parts of the following SIC industries:

4499 (pt) Other services incidental to water transportation

4785 (pt) Marine cargo inspectors and surveyors

7699 (pt) Ship scaling

### **4883901 Other Services Incidental to Water Transportation**

Establishments primarily engaged in furnishing miscellaneous services incidental to water transportation (except navigational services, marine salvaging and wrecking, seaway and lighthouse operations, marine cargo inspectors and surveyors, and ship scaling).

### **4883902 Marine Cargo Inspectors and Surveyors**

Establishments primarily engaged in providing marine cargo inspection and surveying services.

### **4883903 Ship Scaling**

Establishments primarily engaged in scaling ships.

### **4884 Support Activities for Road Transportation**

This NAICS industry group includes establishments classified in the following NAICS industries: 48841, Motor Vehicle Towing and 48849, Other Support Activities for Road Transportation.

### **48841 Motor Vehicle Towing**

This industry comprises establishments primarily engaged in towing light or heavy motor vehicles, both local and long distance. These establishments may provide incidental services, such as storage and emergency road repair services.

### **488410 Motor Vehicle Towing**

This U.S. industry comprises establishments primarily engaged in towing light or heavy motor vehicles, both local and long-distance. These establishments may provide incidental services, such as storage and emergency road repair services.

The data published with NAICS code 488410 are comprised of this part of the following SIC industry:

7549 (pt) Towing, wrecker service

### **48849 Other Support Activities for Road Transportation**

This industry comprises establishments primarily engaged in providing services (except motor vehicle towing) to road network users.

### **488490 Other Support Activities for Road Transportation**

This U.S. industry comprises establishments primarily engaged in providing services (except motor vehicle towing) to road network users.

The data published with NAICS code 488490 are comprised of these parts of the following SIC industries:

4173 Terminal or maintenance facilities for motor vehicle passenger transportation (except exclusive use of company vehicles)

4231 Motor freight terminal or joint terminal maintenance facility

4785 (pt) Fixed facilities and inspection and weighing services for motor vehicle transportation

4789 (pt) Other support activities incidental to transportation, nec

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#### **4884901 Terminal and Maintenance Facilities for Motor Vehicle Passenger Transportation**

Establishments primarily engaged in the operation of motor vehicle passenger terminals and/or maintenance and service facilities, not operated by companies that also furnish motor vehicle passenger transportation.

#### **4884902 Motor Freight Terminal and Joint Terminal Maintenance Facility**

Establishments primarily engaged in the operation of terminal facilities used by highway-type motor freight vehicles. Included are terminals that provide maintenance and service for motor freight vehicles.

#### **4884903 Fixed Facilities and Inspection and Weighing Services for Motor Transportation Vehicles**

Establishments primarily engaged in the operation of fixed facilities for motor vehicle transportation, such as toll roads, highway bridges, and other fixed facilities (except terminals).

#### **4884904 Support Activities Incidental to Road Transportation**

Establishments primarily engaged in furnishing services incidental to road transportation.

#### **4885 Freight Transportation Arrangement**

This industry group comprises establishments primarily engaged in arranging transportation of freight between shippers and carriers. These establishments are usually known as freight forwarders, marine shipping agents, or customs brokers and offer a combination of services spanning transportation modes.

#### **48851 Freight Transportation Arrangement**

This industry comprises establishments primarily engaged in arranging transportation of freight between shippers and carriers. These establishments are usually known as freight forwarders, marine shipping agents, or customs brokers and offer a combination of services spanning transportation modes.

#### **488510 Freight Transportation Arrangement**

This U.S. industry comprises establishments primarily engaged in arranging transportation of freight between shippers and carriers. These establishments are usually known as freight forwarders, marine shipping agents, or customs brokers and offer a combination of services spanning transportation modes.

The data published with NAICS code 488510 are comprised of this part of the following SIC industry:

4731 (pt) Freight forwarding and arrangement of transportation of freight and cargo

#### **4885101 Freight Forwarding**

Establishments primarily engaged in undertaking the transportation of goods from shippers to receivers for a charge covering the entire transportation, and in turn making use of the services of various freight carriers in affecting delivery, paying transportation charges, and assuming responsibility for delivery of the goods. There is no relationship between shippers and the various freight carriers delivering the goods.

#### **4885102 Arrangement of Transportation of Freight and Cargo**

Establishments primarily engaged in arranging transportation of freight and cargo.

#### **4889 Other Support Activities for Transportation**

This industry group comprises establishments primarily engaged in providing support activities to transportation (except for air transportation; rail transportation; water transportation; road transportation; and freight transportation arrangement).

#### **48899 Other Support Activities for Transportation**

This industry comprises establishments primarily engaged in providing support activities to transportation (except for air transportation; rail transportation; water transportation; road transportation; and freight transportation arrangement).

#### **488991 Packing and Crating**

This U.S. industry comprises establishments primarily engaged in packing, crating, and otherwise preparing goods for transportation.

The data published with NAICS code 488991 are comprised of the following SIC industry:

4783 Packing and crating

#### **488999 All Other Support Activities for Transportation**

This U.S. industry comprises establishments primarily engaged in providing support activities to transportation (except for air transportation; rail transportation; water transportation; road transportation; freight transportation arrangement; and packing and crating).

The data published with NAICS code 488999 are comprised of these parts of the following SIC industries:

4729 (pt) Arrangement of carpools and vanpools

4789 (pt) Other support activities incidental to transportation

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## **4889991 Other Support Activities for Transportation**

Establishments primarily engaged in furnishing services incidental to transportation (except packing and crating and arrangement of carpools and vanpools).

## **4889992 Arrangement of Carpools and Vanpools**

Establishments primarily engaged in the arrangement of carpools and vanpools.

## **491 Postal Service**

The Postal Service subsector includes the activities of the National Post Office and its subcontractors in delivering letters and small parcels. These articles can be described as those that can be handled by one person without using special equipment. This allows the collection, pick-up, and delivery operations to be done with limited labor costs and minimal equipment. Sorting and transportation activities, where necessary, are generally mechanized. The restriction to small parcels distinguishes these establishments from those in the transportation industries.

The traditional activity of the National Postal Service is described in this subsector. Subcontractors include rural Post Offices on contract to the Postal Service.

Bulk transportation of mail on contract to the Postal Service is not included here, because it is usually done by transportation establishments that carry other customers' cargo as well.

## **4911 Postal Service**

This industry group comprises establishments primarily engaged in operating the National Postal Service. Establishments primarily engaged in performing one or more postal service, such as sorting, routing, and/or delivery, on a contract basis (except the bulk transportation of mail) are included in this industry.

## **49111 Postal Service**

This industry comprises establishments primarily engaged in operating the National Postal Service. Establishments primarily engaged in performing one or more postal service, such as sorting, routing, and/or delivery, on a contract basis (except the bulk transportation of mail) are included in this industry.

## **491110 Postal Service**

This U.S. industry comprises establishments primarily engaged in operating the National Postal Service. Establishments primarily engaged in performing one or more postal service, such as sorting, routing, and/or delivery, on a contract basis (except the bulk transportation of mail) are included in this industry.

NAICS code 491110 are comprised of the following SIC industry:

4311 United States Post Office

## **492 Couriers and Messengers**

Industries in the Couriers and Messengers subsector provide intercity and/or local delivery of parcels. These articles can be described as those that may be handled by one person without using special equipment. This allows the collection, pick-up, and delivery operations to be done with limited labor costs and minimal equipment. Sorting and transportation activities, where necessary, are generally mechanized. The restriction to small parcels partly distinguishes these establishments from those in the transportation industries. The complete network of courier services establishments also distinguishes these transportation services from local messenger and delivery establishments in this subsector. This includes the establishments that perform intercity transportation as well as establishments that, under contract to them, perform local pick-up and delivery. Messengers, which usually deliver within a metropolitan or single urban area, may use bicycle, foot, small truck, or van.

## **4921 Couriers**

This industry group comprises establishments primarily engaged in providing air, surface, or combined courier delivery services of parcels generally between metropolitan areas or urban centers. The establishments of this industry form a network including courier local pick-up and delivery to serve their customers' needs.

## **49211 Couriers**

This industry comprises establishments primarily engaged in providing air, surface, or combined courier delivery services of parcels generally between metropolitan areas or urban centers. The establishments of this industry form a network including courier local pick-up and delivery to serve their customers' needs.

## **492110 Couriers**

This U.S. industry comprises establishments primarily engaged in providing air, surface, or combined courier delivery services of parcels generally between metropolitan areas or urban centers. The establishments of this industry form a network including courier local pickup and delivery to serve their customers' needs.

The data published with NAICS code 492110 are comprised of these parts of the following SIC industries:

4215 (pt) Courier services (except local or by air)

4513 Air courier services (including delivery of parcels weighing 100 lbs or less)



### **4921101 Courier Services (Except by Air)**

Establishments primarily engaged in furnishing delivery of individually addressed letters, parcels and packages (generally under 100 pounds) by truck or other land vehicle (except locally or except by air or by the U.S. Postal Service). Included are establishments that perform intercity transportation as well as establishments that, under contract to them, do the local pick-up and delivery.

### **4921102 Air Courier Services**

Establishments primarily engaged in furnishing air delivery of individually addressed letters, parcels, and packages (generally under 100 lbs.), except by the U.S. Postal Service. While these establishments deliver their consignment by air, the initial pick-up and the final delivery are often made by other modes of transportation, such as truck, bicycle, or motorcycle. Separate establishments of air courier companies engaged in providing pick-up and delivery only, "drop-off points", or distribution centers are all classified here.

### **4922 Local Messengers and Local Delivery**

This industry group comprises establishments primarily engaged in providing local messenger and delivery services of small items within a single metropolitan or within an urban center. These establishments generally provide point-to-point pickup and delivery and do not operate as part of an intercity courier network.

#### **49221 Local Messengers and Local Delivery**

This industry comprises establishments primarily engaged in providing local messenger and delivery services of small items within a single metropolitan or within an urban center. These establishments generally provide point-to-point pickup and delivery and do not operate as part of an intercity courier network.

#### **492210 Local Messengers and Local Delivery**

This U.S. industry comprises establishments primarily engaged in providing local messenger and delivery services of small items within a single metropolitan or within an urban center. These establishments generally provide point-to-point pickup and delivery and do not operate as part of an intercity courier network.

The data published with NAICS code 492210 are comprised of this part of the following SIC industry:

4215 (pt) Local messenger services

### **493 Warehousing and Storage**

Industries in the Warehousing and Storage subsector are primarily engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, and other warehouse products. These establishments provide facilities to store goods. They do not sell the goods

they handle. These establishments take responsibility for storing the goods and keeping them secure. They may also provide a range of services, often referred to as logistics services, related to the distribution of goods. Logistics services can include labeling, breaking bulk, inventory control and management, light assembly, order entry and fulfillment, packaging, pick and pack, price marking and ticketing, and transportation arrangement. However, establishments in this industry group always provide warehousing or storage services in addition to any logistic services. Furthermore, the warehousing or storage of goods must be more than incidental to the performance of services, such as price marking.

Bonded warehousing and storage services and warehouses located in free trade zones are included in the industries of this subsector.

### **4931 Warehousing and Storage**

This NAICS industry group includes establishments classified in the following NAICS industries: 49311, General Warehousing and Storage; 49312, Refrigerated Warehousing and Storage; 49313, Farm Product Warehousing and Storage; and 49319, Other Warehousing and Storage.

#### **49311 General Warehousing and Storage**

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

#### **493110 General Warehousing and Storage**

This U.S. industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

The data published with NAICS code 493110 are comprised of these parts of the following SIC industries:

4225 (pt) General warehousing and storage

4226 (pt) General warehousing in foreign trade zones

#### **4931101 General Warehousing and Storage (Except in Foreign Trade Zones)**

Establishments primarily engaged in the warehousing and storage of a general line of goods for the public. General merchandise is defined as materials or goods of many varieties that are packaged or are readily handled and do not require refrigeration, controlled humidity, or other special handling.

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### **4931102 General Warehousing and Storage in Foreign Trade Zones**

Establishments primarily engaged in the warehousing and storage of goods in foreign trade zones.

### **49312 Refrigerated Warehousing and Storage**

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

### **493120 Refrigerated Warehousing and Storage**

This U.S. industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

The data published with NAICS code 493120 are comprised of these parts of the following SIC industries:

- 4222 Refrigerated products warehousing
- 4226 (pt) Fur storage

### **4931201 Refrigerated Products Warehousing**

Establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments may also provide incidental services for processing, preparing, or packaging such perishable goods for storage. Also included are establishments primarily engaged in the public rental of artificially cooled locker space for the storage of food for individual households.

### **4931202 Fur Storage**

Establishments primarily engaged in the warehousing and storage of fur.

### **49313 Farm Product Warehousing and Storage**

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

### **493130 Farm Product Warehousing and Storage**

This U.S. industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

The data published with NAICS code 493130 includes are comprised of the following SIC industry:

- 4221 Farm product warehousing and storage

### **49319 Other Warehousing and Storage**

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

### **493190 Other Warehousing and Storage**

This U.S. industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

The data published with NAICS code 493190 are comprised of this part of the following SIC industry:

- 4226 (pt) Household and specialized goods and warehousing and storage

### **4931901 Household Goods Warehousing and Storage**

Establishments primarily engaged in the storage of furniture and other household goods.

### **4931902 Specialized Goods Warehousing and Storage**

Establishments primarily engaged in the warehousing and storage of special products (except farm products, refrigerated products, general merchandise, household goods, and fur storage).



# Appendix C.

## Coverage and Methodology

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### MAIL/NONMAIL UNIVERSE

For this sector, large- and medium-size firms, plus all firms known to operate more than one establishment, were sent questionnaires to be completed and returned to the Census Bureau by mail. For most very small firms data from existing administrative records of other Federal agencies were used instead. These records provided basic information on location, kind of business, revenue, payroll, number of employees, and legal form of organization.

Firms in the 1997 Economic Census were divided into the mail universe and nonmail universe. The coverage of and the method of obtaining census information from each are described below:

1. The mail universe consisted of firms for which information was obtained by means of a mail canvass and included:
  - a. Large employers, i.e., all multiestablishment and all single-establishment employer firms with payroll above a specified cutoff. The term “employers” refers to firms with one or more paid employees at any time during 1997 as shown in the active administrative records of other Federal agencies.
  - b. A sample of small employers, i.e., single-establishment firms with payroll below a specified cutoff, in classifications for which specialized data precluded reliance solely on administrative records sources.
2. The nonmail universe consisted of firms that were not required to file a regular census return and included:
  - a. Selected small employers, i.e., single-establishment firms with payroll below a specified cutoff. Although the payroll cutoff varied by kind of business, small employers in the nonmail universe generally included firms with less than 10 employees and represented about 10 percent of total revenue of establishments covered in the census. Data on revenue, payroll, and employment for small employers in the nonmail universe were derived or estimated from administrative records of other Federal agencies.
  - b. All taxable nonemployers, i.e., all firms subject to Federal income tax with no paid employees during 1997. Revenue information for these firms was obtained from administrative records of other Federal agencies. Although consisting of many firms,

nonemployers accounted for less than 10 percent of total revenue of all establishments covered in the census. The census included only those nonemployer firms which reported a revenue volume of \$1,000 or more during 1997. Data for nonemployers are not included in this report, but are released as part of the Core Business Statistics Series.

### INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments in this sector were assigned in accordance with the 1997 North American Industry Classification System (NAICS) Manual, United States. NAICS is a common classification system developed by the United States, Canada, and Mexico. This system replaces the 1987 Standard Industrial Classification (SIC) that was used in previous censuses. Appendix A of the 1997 NAICS manual provides information on the comparability between the 1987 SIC and the 1997 NAICS. More information on NAICS is available in the NAICS manual and at [www.census.gov/naics](http://www.census.gov/naics).

The method of assigning classifications, and the level of detail at which establishments were classified, differed between the mail and nonmail universe as follows:

1. The mail universe.
  - a. Establishments in the mail universe that returned questionnaires were classified on the basis of their self-designation, sources of revenue, and other industry-specific inquiries.
  - b. Establishments in the mail universe that did not return questionnaires were classified on the basis of the most current census kind-of-business classification available from one of the Census Bureau’s current sample surveys, the 1992 census, or the administrative records of other Federal agencies.
2. The nonmail universe.
  - a. Employer establishments in the nonmail universe were classified on the basis of the most current census kind-of-business classification available from one of the Census Bureau’s current sample surveys, the 1992 census, or the administrative records of other Federal agencies. If the census or administrative record classifications proved inadequate (none corresponded to a 1997 census classification in the detail required for employers), the firm was sent a brief inquiry requesting information necessary to assign a 1997 census kind-of-business code.

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- b. Nonemployers were classified on the basis of information obtained from administrative records of other Federal agencies.

### **RELIABILITY OF DATA**

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

Data presented in the Miscellaneous Subjects and the Sources of Revenue reports for this sector are subject to sampling errors as well as nonsampling errors. Specifically, these data are estimated based on information obtained from census questionnaires mailed to all large employers and to a sample of small employers in the universe. Sampling errors affect these estimates insofar as they may differ from results that would be obtained from a complete enumeration.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Census Bureau obtains limited information extracted from administrative records of other Federal agencies. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication.

### **TREATMENT OF NONRESPONSE**

Census report forms included two different types of inquiries, "basic" and "industry-specific." Data for the basic inquiries, which include location, kind of business or operation, revenue, payroll, number of employees, and legal form of organization, were available from a combination of sources for all establishments. Data for industry-specific inquiries, tailored to the particular kinds of business or operation covered by the report, were available only from the establishments in the mail universe that completed the appropriate inquiries on the questionnaire.

Two methods were used to account for nonresponse to industry-specific inquiries. For some inquiries, missing data were imputed for individual records based on responses from similar establishments. For other inquiries, the total of reported data were expanded to represent the mail and nonmail universe. Data for industry-specific inquiries based on a December 31 reference date were expanded in direct relationship to total annualized revenue of only those establishments in business at the end of the year. Unless otherwise noted in specific reports, data for other industry-specific inquiries were expanded in direct relationship to total revenue of all establishments included in the category. In a few cases, expansion on the basis of the revenue item was not appropriate, and another basic data item was used as the basis for expansion.

All reports in which data were expanded to account for nonmail employers and nonrespondents include a coverage indicator for each publication category, which shows the revenue of establishments responding to the inquiry as a percent of total revenue for all establishments for which data are shown. Coverage is usually determined by the ratio of total revenue of establishments responding to the inquiry to total revenue of all establishments in the category.

## Appendix D. Geographic Notes

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Not applicable for this report.

# Appendix E. Metropolitan Areas

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## **OREGON**

### **Eugene—Springfield, OR MSA**

Lane County, OR

### **Medford—Ashland, OR MSA**

Jackson County, OR

### **Portland—Vancouver, OR—WA PMSA**

Clackamas County, OR

Columbia County, OR

Multnomah County, OR

Washington County, OR

Yamhill County, OR

Clark County, WA

### **Portland—Salem, OR—WA CMSA**

Portland—Vancouver, OR—WA PMSA

Clackamas County, OR

Columbia County, OR

Multnomah County, OR

Washington County, OR

Yamhill County, OR

Clark County, WA

Salem, OR PMSA

Marion County, OR

Polk County, OR

### **Salem, OR PMSA**

Marion County, OR

Polk County, OR

