Table 1. U.S. Manufacturing Shipments[1] - Total and E-commerce: 1999

[Shipments are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures. Measures of sampling variability for these estimates are provided in Table 1A.]

NAICS Code	Description	Value of Shipments		E-commerce as Percent of Total Shipments	Percent Distribution of E-commerce Shipments
		Total	E-commerce		
	Total Manufacturing	**4,038,109**	**485,283**	**12.0**	**100.0**
311	Food products	429,053	37,548	8.8	7.7
312	Beverage and tobacco	107,437	8,998	8.4	1.9
313	Textile mills	54,854	4,819	8.8	1.0
314	Textile product mills	32,642	4,896	15.0	1.0
315	Apparel	62,798	11,376	18.1	2.3
316	Leather and allied products	9,673	1,775	18.3	0.4
321	Wood products	97,583	3,373	3.5	0.7
322	Paper	157,491	13,412	8.5	2.8
323	Printing and related support activities	102,404	6,422	6.3	1.3
324	Petroleum and coal products	168,096	6,530	3.9	1.3
325	Chemicals	419,674	42,891	10.2	8.8
326	Plastics and rubber products	172,397	22,876	13.3	4.7
327	Nonmetallic mineral products	97,498	(S)	(S)	(S)
331	Primary metals	158,102	12,940	8.2	2.7
332	Fabricated metal products	256,899	28,109	10.9	5.8
333	Machinery	277,117	39,942	14.4	8.2
334	Computer and electronic products	458,485	46,876	10.2	9.7
335	Electrical equipment, appliances, and components	119,792	23,671	19.8	4.9
336	Transportation equipment	675,122	140,259	20.8	28.9
337	Furniture and related products	72,752	6,229	8.6	1.3
339	Miscellaneous	108,238	10,584	9.8	2.2

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
Note: Detail may not add to total due to rounding.

[1] Includes data only for manufacturing plants with paid employees.

Source: U.S. Census Bureau, 1999 Annual Survey of Manufactures

Table 2. U.S. Merchant Wholesale Trade Sales[1] - Total and E-commerce: 1999

[Sales are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Trade Survey. Measures of sampling variability for these estimates are provided in Table 2A.]

NAICS Code	Description	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
		Total	E-commerce		
	Total Merchant Wholesale Trade	**2,541,190**	**134,432**	**5.3**	**100.0**
421	**Durable goods**	**1,354,326**	**71,104**	**5.3**	**52.9**
4211	Motor vehicles, parts and supplies	197,092	33,018	16.8	24.6
4212	Furniture and home furnishings	42,473	(S)	(S)	(S)
4213	Lumber and other construction materials	71,635	1,402	2.0	1.0
4214	Professional and commercial equipment and supplies	271,783	22,007	8.1	16.4
42143	Computer, peripheral equipment and software	160,790	15,512	9.6	11.5
4215	Metals and minerals, excluding petroleum	94,099	281	0.3	0.2
4216	Electrical goods	206,767	4,499	2.2	3.3
4217	Hardware, and plumbing and heating equipment and supplies	63,559	4,856	7.6	3.6
4218	Machinery, equipment and supplies	245,404	(S)	(S)	(S)
4219	Miscellaneous durable goods	161,514	3,162	2.0	2.4
422	**Nondurable goods**	**1,186,864**	**63,328**	**5.3**	**47.1**
4221	Paper and paper products	76,158	1,500	2.0	1.1
4222	Drugs and druggists' sundries	145,860	47,063	32.3	35.0
4223	Apparel, piece goods and notions	85,671	(S)	(S)	(S)
4224	Groceries and related products	363,065	(S)	(S)	(S)
4225	Farm product raw materials	99,211	(D)	(D)	(D)
4226	Chemical and allied products	55,102	(S)	(S)	(S)
4227	Petroleum and petroleum products	132,862	(D)	(D)	(D)
4228	Beer, wine, and distilled alcoholic beverages	66,745	(D)	(D)	(D)
4229	Miscellaneous nondurable goods	162,190	(S)	(S)	(S)

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
Note: Detail may not add to total due to rounding.

[1] Includes data only for merchant wholesalers with paid employees. Merchant wholesalers take title to the goods they sell, and include jobbers, industrial distributors, exporters and importers. These estimates exclude nonmerchant wholesalers such as manufacturers' sales branches and offices, agents, brokers, commission agents, and electronic marketplaces. Data are preliminary and, therefore, subject to revision.

Source: U.S. Census Bureau, 1999 Annual Trade Survey

Table 3. U.S. Selected Service Industries Revenue[1] - Total and E-commerce: 1999

[Revenue are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and except where indicated, reflect coverage in the Service Annual Survey. Measures of sampling variability for these estimates are provided in Table 3A.]

NAICS Code	Description	Value of Revenue		E-commerce as Percent of Total Revenue	Percent Distribution of E-commerce Revenue
		Total	E-commerce		
	Total for Selected Service Industries	**4,276,088**	**25,158**	**0.6**	**100.0**
	Selected transportation and warehousing[2]	**221,728**	**3,019**	**1.4**	**12.0**
484	Truck transportation	162,083	697	0.4	2.8
492	Couriers and messengers	47,355	2,266	4.8	9.0
493	Warehousing and storage	12,291	(S)	(S)	(S)
51	**Information**	**768,292**	**5,221**	**0.7**	**20.8**
511	Publishing industries	219,804	3,069	1.4	12.2
51419	Online information services	20,146	1,027	5.1	4.1
	Selected finance[3]	**295,302**	**3,996**	**1.4**	**15.9**
5231	Securities and commodity contracts intermediation and brokerage	203,744	3,831	1.9	15.2
532	**Rental and leasing services**	**93,156**	**(S)**	**(S)**	**(S)**
	Selected professional, scientific, and technical services[4]	**732,304**	**4,127**	**0.6**	**16.4**
5415	Computer systems design and related services	154,414	2,869	1.9	11.4
	Selected administrative and support and waste management and remediation services[5]	**373,956**	**6,990**	**1.9**	**27.8**
5615	Travel arrangement and reservation services	24,996	5,267	21.1	20.9
62	**Health care and social assistance services**	**970,786**	**(S)**	**(S)**	**(S)**
71	**Arts, entertainment, and recreation services**	**115,366**	**(S)**	**(S)**	**(S)**
72	**Accommodation and food services**	**400,981**	**(S)**	**(S)**	**(S)**
	Selected other services[6]	**304,217**	**364**	**0.1**	**1.4**
811	Repair and maintenance	119,480	115	0.1	0.5
813	Religious, grantmaking, civic, professional, and similar organizations	119,627	123	0.1	0.5

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.

Note: Detail may not add to total due to rounding.

[1] Includes data only for businesses with paid employees, except for accommodation and food services, which also includes businesses with and without paid employees.

[2] Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

[3] Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

[4] Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

[5] Excludes NAICS 56173 (landscaping services).

[6] Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1999 Service Annual Survey

Table 4. U.S. Retail Trade Sales[1] - Total and E-commerce: 1999

[Sales are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Retail Trade Survey. Measures of sampling variability for these estimates are provided in Table 4A.]

NAICS Code	Description	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
		Total	E-commerce		
	Total Retail Trade	**2,867,810**	**15,354**	**0.5**	**100.0**
441	Motor vehicle and parts dealers	783,156	1,876	0.2	12.2
442	Furniture and home furnishings stores	85,256	(S)	(S)	(S)
443	Electronics and appliance stores	81,802	250	0.3	1.6
444	Building material and garden equipment and supplies stores	264,385	(S)	(S)	(S)
445	Food and beverage stores	442,185	(S)	(S)	(S)
446	Health and personal care stores	146,202	(S)	(S)	(S)
447	Gasoline stations	207,670	(Z)	(Z)	(Z)
448	Clothing and clothing accessories stores	160,007	120	0.1	0.8
451	Sporting goods, hobby, book and music stores	72,555	(S)	(S)	(S)
452	General merchandise stores	379,336	(S)	(S)	(S)
453	Miscellaneous store retailers	106,653	(S)	(S)	(S)
454	Nonstore retailers	138,603	11,783	8.5	76.7
454110	Electronic shopping and mail-order houses	93,149	11,733	12.6	76.4

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(Z) Value of sales is less than $500,000; percent is less than 0.05%.
Note: Detail may not add to total due to rounding.

[1] Includes data for retailers with and without paid employees. Data are preliminary and, therefore, subject to revision.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey

Table 5. U.S. Electronic Shopping and Mail-Order Houses Sales[1] (NAICS 454110) by Merchandise Line - Total and E-commerce: 1999

[Sales are in millions of dollars. Data are grouped according to merchandise categories used in the Annual Retail Trade Survey. Measures of sampling variability for these estimates are provided in Table 5A.]

Merchandise Lines	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-Commerce Sales	Percent Distribution of Total Sales
	Total	E-commerce			
Total Electronic Shopping and Mail-Order Houses (NAICS 454110)	**93,149**	**11,733**	**12.6**	**100.0**	**100.0**
Books and magazines	3,611	1,631	45.2	13.9	3.9
Clothing and clothing accessories (includes footwear)	12,362	757	6.1	6.5	13.3
Computer hardware	25,098	4,336	17.3	37.0	26.9
Computer software	2,484	760	30.6	6.5	2.7
Drugs, health aids, beauty aids	10,362	258	2.5	2.2	11.1
Electronics and appliances	2,258	399	17.7	3.4	2.4
Food, beer and wine	1,540	230	14.9	2.0	1.7
Furniture and home furnishings	5,494	240	4.4	2.0	5.9
Music and videos	4,490	809	18.0	6.9	4.8
Office equipment and supplies	7,502	600	8.0	5.1	8.1
Toys, hobby goods, and games	2,052	391	19.1	3.3	2.2
Other merchandise[2]	14,723	966	6.6	8.2	15.8
Nonmerchandise receipts[3]	1,173	356	30.3	3.0	1.3

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
Note: Detail may not add to total due to rounding.

[1] This industry comprises businesses primarily engaged in retailing all types of merchandise through catalogs, television, and the Internet. Data are preliminary and, therefore, subject to revision.

[2] Includes other merchandise such as jewelry, sporting goods, collectibles, souvenirs, auto parts and accessories, hardware, and lawn and garden equipment and supplies.

[3] Includes nonmerchandise receipts such as auction commissions, shipping and handling, customer training, customer support, and online advertising.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey

Table 1A. Measures of Sampling Variability - U.S. Manufacturing Shipments – Total and E-commerce: 1999

[Measures of sampling variability are for estimates in Table 1.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Shipments		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Shipments	Percent Distribution of E-commerce Shipments
	Total Manufacturing	**0.1**	**2.8**	**0.4**	**NA**
311	Food products	0.3	3.7	0.3	0.3
312	Beverage and tobacco	0.5	1.7	0.2	0.1
313	Textile mills	1.2	5.3	0.5	0.1
314	Textile product mills	1.1	2.5	0.5	(Z)
315	Apparel	1.1	8.5	1.6	0.2
316	Leather and allied products	1.3	1.5	0.6	(Z)
321	Wood products	0.6	2.8	0.1	(Z)
322	Paper	0.3	1.6	0.1	0.1
323	Printing and related support activities	0.8	4.2	0.3	0.1
324	Petroleum and coal products	0.7	0.4	0.1	(Z)
325	Chemicals	0.4	3.9	0.4	0.4
326	Plastics and rubber products	0.5	6.7	1.0	0.3
327	Nonmetallic mineral products	0.6	(S)	(S)	(S)
331	Primary metals	0.3	1.7	0.1	0.1
332	Fabricated metal products	0.4	13.5	1.6	0.8
333	Machinery	0.4	9.8	1.5	0.8
334	Computer and electronic products	0.4	20.4	2.3	1.8
335	Electrical equipment, appliances, and components	0.6	17.1	3.7	0.8
336	Transportation equipment	0.3	2.1	0.4	0.9
337	Furniture and related products	1.1	3.0	0.3	0.1
339	Miscellaneous	0.8	2.8	0.4	0.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

Source: U.S. Census Bureau, 1999 Annual Survey of Manufactures

Table 2A. Measures of Sampling Variability - U.S. Merchant Wholesale Trade Sales – Total and E-commerce: 1999

[Measures of sampling variability are for estimates in Table 2.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
	Total Merchant Wholesale Trade	**0.9**	**2.4**	**0.1**	**NA**
421	**Durable goods**	**1.4**	**2.6**	**0.1**	**0.7**
4211	Motor vehicles, parts and supplies	2.8	4.3	0.4	0.8
4212	Furniture and home furnishings	2.6	(S)	(S)	(S)
4213	Lumber and other construction materials	2.2	4.2	0.1	(Z)
4214	Professional and commercial equipment and supplies	2.4	3.1	0.3	0.5
42143	Computer, peripheral equipment and software	4.1	3.7	0.7	0.4
4215	Metals and minerals, excluding petroleum	2.5	12.9	(Z)	(Z)
4216	Electrical goods	2.5	13.4	0.3	0.4
4217	Hardware, and plumbing and heating equipment and supplies	1.5	4.1	0.4	0.2
4218	Machinery, equipment and supplies	4.5	(S)	(S)	(S)
4219	Miscellaneous durable goods	2.8	8.9	0.2	0.3
422	**Nondurable goods**	**1.2**	**3.1**	**0.2**	**0.7**
4221	Paper and paper products	1.8	5.3	0.1	(Z)
4222	Drugs and druggists' sundries	2.0	2.8	1.0	0.9
4223	Apparel, piece goods and notions	3.5	(S)	(S)	(S)
4224	Groceries and related products	1.6	(S)	(S)	(S)
4225	Farm product raw materials	3.1	(D)	(D)	(D)
4226	Chemical and allied products	3.0	(S)	(S)	(S)
4227	Petroleum and petroleum products	4.6	(D)	(D)	(D)
4228	Beer, wine, and distilled alcoholic beverages	1.5	(D)	(D)	(D)
4229	Miscellaneous nondurable goods	5.1	(S)	(S)	(S)

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
NA Not applicable.
(Z) Percent is less than 0.05%.

Source: U.S. Census Bureau, 1999 Annual Trade Survey

Table 3A. Measures of Sampling Variability - U.S. Selected Service Industries Revenue - Total and E-commerce: 1999

[Measures of sampling variability are for estimates in Table 3.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Revenue		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Revenue	Percent Distribution of E-commerce Revenue
	Total for Selected Service Industries	**0.4**	**2.5**	**(Z)**	**NA**
48, 49	**Selected transportation and warehousing[1]**	1.3	3.1	(Z)	0.4
484	Truck transportation	1.6	10.1	(Z)	0.3
492	Couriers and messengers	1.6	2.3	0.1	0.3
493	Warehousing and storage	2.4	(S)	(S)	(S)
51	**Information**	**0.4**	**2.7**	**(Z)**	**0.9**
511	Publishing industries	0.8	9.9	0.1	1.0
51419	Online information services	2.2	2.9	0.6	0.2
52	**Selected finance[2]**	**1.5**	**0.1**	**(Z)**	**0.4**
5231	Securities and commodity contracts intermediation and brokerage	1.4	0.1	(Z)	0.4
532	**Rental and leasing services**	**1.2**	**(S)**	**(S)**	**(S)**
54	**Selected professional, scientific, and technical services[3]**	**1.0**	**4.4**	**(Z)**	**0.7**
5415	Computer systems design and related services	2.9	6.6	0.1	0.7
56	**Selected administrative and support and waste management and remediation services[4]**	**1.3**	**2.6**	**0.1**	**0.9**
5615	Travel arrangement and reservation services	2.4	3.3	0.8	0.8
62	**Health care and social assistance services**	**0.7**	**(S)**	**(S)**	**(S)**
71	**Arts, entertainment, and recreation services**	**1.6**	**(S)**	**(S)**	**(S)**
72	**Accommodation and food services**	**0.6**	**(S)**	**(S)**	**(S)**
81	**Selected other services[5]**	**1.6**	**4.8**	**(Z)**	**0.1**
811	Repair and maintenance	1.7	10.6	(Z)	0.1
813	Religious, grantmaking, civic, professional, and similar organizations	3.5	9.8	(Z)	0.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

[1] Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

[2] Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

[3] Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

[4] Excludes NAICS 56173 (landscaping services).

[5] Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1999 Service Annual Survey

Table 4A. Measures of Sampling Variability - U.S. Retail Sales - Total and E-commerce: 1999

[Measures of sampling variability are for estimates in Table 4.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
	Total Retail Trade	**0.4**	**2.7**	**(Z)**	**NA**
441	Motor vehicle and parts dealers	1.1	6.6	(Z)	0.7
442	Furniture and home furnishings stores	0.8	(S)	(S)	(S)
443	Electronics and appliance stores	1.0	16.4	0.1	0.3
444	Building material and garden equipment and supplies stores	1.2	(S)	(S)	(S)
445	Food and beverage stores	0.5	(S)	(S)	(S)
446	Health and personal care stores	1.1	(S)	(S)	(S)
447	Gasoline stations	1.1	(Z)	(Z)	(Z)
448	Clothing and clothing accessories stores	0.4	7.0	(Z)	0.1
451	Sporting goods, hobby, book and music stores	0.8	(S)	(S)	(S)
452	General merchandise stores	0.1	(S)	(S)	(S)
453	Miscellaneous store retailers	0.9	(S)	(S)	(S)
454	Nonstore retailers	2.3	2.8	0.2	1.0
454110	Electronic shopping and mail-order houses	2.8	2.8	0.2	1.0

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Value of corresponding sales estimate is less than $500,000; percent is less than 0.05%.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey

Table 5A. Measures of Sampling Variability - U.S. Electronic Shopping and Mail-Order Houses Sales (NAICS 454110) by Merchandise Lines - Total and E-commerce: 1999

[Measures of sampling variability are for estimates in Table 5.]

Merchandise Lines	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:		
	Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-Commerce Sales	Percent Distribution of Total Sales
Total Electronic Shopping and Mail-Order Houses (NAICS 454110)	**2.8**	**2.8**	**0.2**	**NA**	**NA**
Books and magazines	3.9	2.4	1.2	0.2	0.1
Clothing and clothing accessories (includes footwear)	2.7	5.0	0.3	0.2	0.2
Computer hardware	2.6	3.2	0.3	0.6	0.2
Computer software	9.7	2.7	1.8	0.1	0.2
Drugs, health aids, beauty aids	3.4	16.7	0.4	0.4	0.3
Electronics and appliances	7.0	3.4	0.9	0.1	0.2
Food, beer and wine	4.4	4.8	0.3	0.1	0.1
Furniture and home furnishings	7.2	4.3	0.1	(Z)	0.2
Music and videos	3.9	2.5	0.3	0.1	0.1
Office equipment and supplies	2.5	2.3	0.1	0.1	0.1
Toys, hobby goods, and games	6.8	4.1	0.9	0.1	0.1
Other merchandise[1]	4.1	9.6	0.5	0.6	0.5
Non-merchandise receipts[2]	9.1	2.7	2.0	(Z)	0.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

[1]Includes other merchandise such as jewelry, sporting goods, collectibles, souvenirs, auto parts and accessories, hardware, and lawn and garden equipment and supplies.

[2] Includes nonmerchandise receipts such as auction commissions, shipping and handling, customer training, customer support, and online advertising.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey

Table 1. U.S. Manufacturing Shipments[1] - Total and E-commerce: 1998

[Shipments are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures (ASM). Measures of sampling variability for these estimates are provided in Table 1A.]

NAICS Code	Description	Value of Shipments		E-commerce as Percent of Total Shipments	Percent Distribution of E-commerce Shipments
		Total	E-commerce		
	Total Manufacturing				
311	Food products				
312	Beverage and tobacco				
313	Textile mills				
314	Textile product mills				
315	Apparel				
316	Leather and allied products				
321	Wood products				
322	Paper				
323	Printing and related support activities				
324	Petroleum and coal products				
325	Chemicals				
326	Plastics and rubber products				
327	Nonmetallic mineral products				
331	Primary metals				
332	Fabricated metal products				
333	Machinery				
334	Computer and electronic products				
335	Electrical equipment, appliances, and components				
336	Transportation equipment				
337	Furniture and related products				
339	Miscellaneous				

The 1999 ASM Supplement only collected data for 1999; no 1998 data were collected.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
Note: Detail may not add to total due to rounding.

[1] Includes data only for manufacturing plants with paid employees.

Source: U.S. Census Bureau, 1999 Annual Survey of Manufactures

Table 2. U.S. Merchant Wholesale Trade Sales[1] - Total and E-commerce: 1998

[Sales are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Trade Survey. Measures of sampling variability for these estimates are provided in Table 2A.]

NAICS Code	Description	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
		Total	E-commerce		
	Total Merchant Wholesale Trade	**2,381,100**	**108,862**	**4.6**	**100.0**
421	**Durable goods**	**1,265,752**	**59,100**	**4.7**	**54.3**
4211	Motor vehicles, parts and supplies	173,240	29,533	17.0	27.1
4212	Furniture and home furnishings	40,423	(S)	(S)	(S)
4213	Lumber and other construction materials	63,660	1,432	2.2	1.3
4214	Professional and commercial equipment and supplies	254,067	16,077	6.3	14.8
42143	Computer, peripheral equipment and software	150,784	8,432	5.6	7.7
4215	Metals and minerals, excluding petroleum	97,108	(S)	(S)	(S)
4216	Electrical goods	186,720	3,728	2.0	3.4
4217	Hardware, and plumbing and heating equipment and supplies	60,352	4,326	7.2	4.0
4218	Machinery, equipment and supplies	242,530	(S)	(S)	(S)
4219	Miscellaneous durable goods	147,652	2,343	1.6	2.2
422	**Nondurable goods**	**1,115,348**	**49,762**	**4.5**	**45.7**
4221	Paper and paper products	71,217	1,322	1.9	1.2
4222	Drugs and druggists' sundries	124,564	37,705	30.3	34.6
4223	Apparel, piece goods and notions	84,190	3,484	4.1	3.2
4224	Groceries and related products	344,437	(S)	(S)	(S)
4225	Farm product raw materials	107,993	(D)	(D)	(D)
4226	Chemical and allied products	55,073	(S)	(S)	(S)
4227	Petroleum and petroleum products	116,397	(D)	(D)	(D)
4228	Beer, wine, and distilled alcoholic beverages	61,822	(D)	(D)	(D)
4229	Miscellaneous nondurable goods	149,655	(S)	(S)	(S)

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
Note: Detail may not add to total due to rounding.

[1] Includes data only for merchant wholesalers with paid employees. Merchant wholesalers take title to the goods they sell, and include jobbers, industrial distributors, exporters and importers. These estimates exclude nonmerchant wholesalers such as manufacturers' sales branches and offices, agents, brokers, commission agents, and electronic marketplaces.

Source: U.S. Census Bureau, 1998 Annual Trade Survey

Table 3. U.S. Selected Service Industries Revenue[1] - Total and E-commerce: 1998

[Revenue are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and except where indicated, reflect coverage in the Service Annual Survey. Measures of sampling variability for these estimates are provided in Table 3A.]

NAICS Code	Description	Value of Revenue		E-commerce as Percent of Total Revenue	Percent Distribution of E-commerce Revenue
		Total	E-commerce		
	Total for Selected Service Industries	**3,941,491**	**15,316**	**0.4**	**100.0**
	Selected transportation and warehousing[2]	**207,535**	**2,506**	**1.2**	**16.4**
484	Truck transportation	150,816	607	0.4	4.0
492	Couriers and messengers	44,890	1,846	4.1	12.1
493	Warehousing and storage	11,829	(S)	(S)	(S)
51	**Information**	**688,917**	**2,577**	**0.4**	**16.8**
511	Publishing industries	202,206	1,544	0.8	10.1
51419	Online information services	11,866	431	3.6	2.8
	Selected finance[3]	**245,736**	**2,259**	**0.9**	**14.7**
5231	Securities and commodity contracts intermediation and brokerage	168,188	2,145	1.3	14.0
532	**Rental and leasing services**	**85,002**	**(S)**	**(S)**	**(S)**
	Selected professional, scientific, and technical services[4]	**666,857**	**2,488**	**0.4**	**16.2**
5415	Computer systems design and related services	131,481	1,644	1.3	10.7
	Selected administrative and support and waste management and remediation services[5]	**337,806**	**4,814**	**1.4**	**31.4**
5615	Travel arrangement and reservation services	23,092	4,197	18.2	27.4
62	**Health care and social assistance services**	**931,520**	**(S)**	**(S)**	**(S)**
71	**Arts, entertainment, and recreation services**	**108,644**	**(S)**	**(S)**	**(S)**
72	**Accommodation and food services**	**381,126**	**(S)**	**(S)**	**(S)**
	Selected other services[6]	**288,348**	**178**	**0.1**	**1.2**
811	Repair and maintenance	114,753	107	0.1	0.7
813	Religious, grantmaking, civic, professional, and similar organizations	111,702	62	0.1	0.4

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.

Note: Detail may not add to total due to rounding.

[1] Includes data only for businesses with paid employees, except for accommodation and food services, which also includes businesses with and without paid employees.

[2] Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

[3] Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

[4] Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

[5] Excludes NAICS 56173 (landscaping services).

[6] Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1998 Service Annual Survey

Table 4. U.S. Retail Trade Sales[1] - Total and E-commerce: 1998

[Sales are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Retail Trade Survey. Measures of sampling variability for these estimates are provided in Table 4A.]

NAICS Code	Description	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
		Total	E-commerce		
	Total Retail Trade	**2,634,000**	**5,005**	**0.2**	**100.0**
441	Motor vehicle and parts dealers	699,552	421	0.1	8.4
442	Furniture and home furnishings stores	78,576	(S)	(S)	(S)
443	Electronics and appliance stores	75,977	(S)	(S)	(S)
444	Building material and garden equipment and supplies stores	243,494	(S)	(S)	(S)
445	Food and beverage stores	421,578	(S)	(S)	(S)
446	Health and personal care stores	130,234	(S)	(S)	(S)
447	Gasoline stations	191,750	(Z)	(Z)	(Z)
448	Clothing and clothing accessories stores	149,443	12	(Z)	0.2
451	Sporting goods, hobby, book and music stores	69,459	(S)	(S)	(S)
452	General merchandise stores	351,799	(S)	(S)	(S)
453	Miscellaneous store retailers	99,553	(S)	(S)	(S)
454	Nonstore retailers	122,585	3,974	3.2	79.4
454110	Electronic shopping and mail-order houses	79,545	3,965	5.0	79.2

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(Z) Value of sales is less than $500,000; percent is less than 0.05%.
Note: Detail may not add to total due to rounding.

[1] Includes data for retailers with and without paid employees.

Source: U.S. Census Bureau, 1998 Annual Retail Trade Survey

Table 5. U.S. Electronic Shopping and Mail-Order Houses Sales[1] (NAICS 454110) by Merchandise Line - Total and E-commerce: 1998

[Sales are in millions of dollars. Data are grouped according to merchandise categories used in the Annual Retail Trade Survey (ARTS). Measures of sampling variability for these estimates are provided in Table 5A.]

Merchandise Lines	Value of Sales		E-commerce as Percent of Total Sales	Percent Distribution of E-Commerce Sales	Percent Distribution of Total Sales
	Total	E-commerce			
Total Electronic Shopping and Mail-Order Houses (NAICS 454110)					
Books and magazines					
Clothing and clothing accessories (includes footwear)					
Computer hardware					
Computer software					
Drugs, health aids, beauty aids					
Electronics and appliances					
Food, beer and wine					
Furniture and home furnishings					
Music and videos					
Office equipment and supplies					
Toys, hobby goods, and games					
Other merchandise[2]					
Nonmerchandise receipts[3]					

The 1999 ARTS collected Merchandise Line data for 1999; no 1998 data were collected.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
Note: Detail may not add to total due to rounding.

[1] This industry comprises businesses primarily engaged in retailing all types of merchandise through catalogs, television, and the Internet. Data are preliminary and, therefore, subject to revision.

[2] Includes other merchandise such as jewelry, sporting goods, collectibles, souvenirs, auto parts and accessories, hardware, and lawn and garden equipment and supplies.

[3] Includes nonmerchandise receipts such as auction commissions, shipping and handling, customer training, customer support, and online advertising.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey

Table 1A. Measures of Sampling Variability - U.S. Manufacturing Shipments – Total and E-commerce: 1998

[Measures of sampling variability are for estimates in Table 1.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Shipments		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Shipments	Percent Distribution of E-commerce Shipments
	Total Manufacturing				
311	Food products				
312	Beverage and tobacco				
313	Textile mills				
314	Textile product mills				
315	Apparel				
316	Leather and allied products				
321	Wood products				
322	Paper				
323	Printing and related support activities				
324	Petroleum and coal products				
325	Chemicals				
326	Plastics and rubber products				
327	Nonmetallic mineral products				
331	Primary metals				
332	Fabricated metal products				
333	Machinery				
334	Computer and electronic products				
335	Electrical equipment, appliances, and components				
336	Transportation equipment				
337	Furniture and related products				
339	Miscellaneous				

The 1999 ASM Supplement only collected data for 1999; no 1998 data were collected.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

Source: U.S. Census Bureau, 1999 Annual Survey of Manufactures (ASM)

Table 2A. Measures of Sampling Variability - U.S. Merchant Wholesale Trade Sales – Total and E-commerce: 1998

[Measures of sampling variability are for estimates in Table 2.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
	Total Merchant Wholesale Trade	**0.8**	**2.4**	**0.1**	**NA**
421	**Durable goods**	**1.4**	**2.7**	**0.1**	**0.8**
4211	Motor vehicles, parts and supplies	2.8	4.2	0.4	0.8
4212	Furniture and home furnishings	2.4	(S)	(S)	(S)
4213	Lumber and other construction materials	2.0	3.9	0.1	0.1
4214	Professional and commercial equipment and supplies	1.8	3.8	0.2	0.5
42143	Computer, peripheral equipment and software	3.8	3.4	0.3	0.2
4215	Metals and minerals, excluding petroleum	2.0	(S)	(S)	(S)
4216	Electrical goods	2.6	12.8	0.3	0.4
4217	Hardware, and plumbing and heating equipment and supplies	1.4	4.2	0.3	0.2
4218	Machinery, equipment and supplies	4.7	(S)	(S)	(S)
4219	Miscellaneous durable goods	2.9	8.8	0.2	0.3
422	**Nondurable goods**	**0.9**	**3.1**	**0.1**	**0.8**
4221	Paper and paper products	1.4	5.0	0.1	0.1
4222	Drugs and druggists' sundries	2.0	2.8	0.9	0.9
4223	Apparel, piece goods and notions	2.4	17.9	0.8	0.5
4224	Groceries and related products	1.1	(S)	(S)	(S)
4225	Farm product raw materials	3.1	(D)	(D)	(D)
4226	Chemical and allied products	2.4	(S)	(S)	(S)
4227	Petroleum and petroleum products	4.4	(D)	(D)	(D)
4228	Beer, wine, and distilled alcoholic beverages	1.0	(D)	(D)	(D)
4229	Miscellaneous nondurable goods	4.1	(S)	(S)	(S)

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
NA Not applicable.

Source: U.S. Census Bureau, 1998 Annual Trade Survey

Table 3A. Measures of Sampling Variability - U.S. Selected Service Industries Revenue - Total and E-commerce: 1998

[Measures of sampling variability are for estimates in Table 3.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Revenue		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Revenue	Percent Distribution of E-commerce Revenue
	Total for Selected Service Industries	**0.4**	**1.9**	**(Z)**	**NA**
48, 49	**Selected transportation and warehousing**[1]	1.0	3.4	(Z)	0.6
484	Truck transportation	1.3	10.2	(Z)	0.4
492	Couriers and messengers	1.6	2.3	0.1	0.3
493	Warehousing and storage	0.9	(S)	(S)	(S)
51	**Information**	**0.3**	**2.7**	**(Z)**	**1.0**
511	Publishing industries	0.6	13.1	0.1	1.0
51419	Online information services	1.8	2.3	0.6	0.1
52	**Selected finance**[2]	**1.5**	**3.4**	**(Z)**	**0.5**
5231	Securities and commodity contracts intermediation and brokerage	1.1	(Z)	(Z)	0.3
532	**Rental and leasing services**	**0.9**	**(S)**	**(S)**	**(S)**
54	**Selected professional, scientific, and technical services**[3]	**0.8**	**4.9**	**(Z)**	**0.7**
5415	Computer systems design and related services	2.2	7.7	0.1	0.7
56	**Selected administrative and support and waste management and remediation services**[4]	**0.8**	**3.0**	**(Z)**	**0.8**
5615	Travel arrangement and reservation services	1.9	3.4	0.7	0.8
62	**Health care and social assistance services**	**0.6**	**(S)**	**(S)**	**(S)**
71	**Arts, entertainment, and recreation services**	**1.5**	**(S)**	**(S)**	**(S)**
72	**Accommodation and food services**	**0.4**	**(S)**	**(S)**	**(S)**
81	**Selected other services**[5]	**1.4**	**6.1**	**(Z)**	**0.1**
811	Repair and maintenance	1.2	8.6	(Z)	0.1
813	Religious, grantmaking, civic, professional, and similar organizations	3.4	12.5	(Z)	0.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

[1] Excludes NAICS 481 (air transportation), 482 (rail transportation), 483 (water transportation), 485 (transit and ground passenger transportation), 487 (scenic and sightseeing transportation), 488 (support activities for transportation) and 491 (postal service).

[2] Excludes NAICS 521 (monetary authorities-central bank), 522 (credit intermediation and related activities), 5232 (securities and commodity exchanges), NAICS 52391 (miscellaneous intermediation), 52399 (all other financial investment activities), 524 (insurance carriers and related activities) and 525 (funds and trusts).

[3] Excludes NAICS 54112 (offices of notaries) and 54132 (landscape architectural services).

[4] Excludes NAICS 56173 (landscaping services).

[5] Excludes NAICS 81311 (religious organizations), 81393 (labor and similar organizations), 81394 (political organizations) and 814 (private households).

Source: U.S. Census Bureau, 1998 Service Annual Survey

Table 4A. Measures of Sampling Variability - U.S. Retail Sales - Total and E-commerce: 1998

[Measures of sampling variability are for estimates in Table 4.]

NAICS Code	Description	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:	
		Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-commerce Sales
	Total Retail Trade	**0.3**	**5.1**	**(Z)**	**NA**
441	Motor vehicles and parts dealers	0.7	16.4	(Z)	1.0
442	Furniture and home furnishings stores	0.7	(S)	(S)	(S)
443	Electronics and appliance stores	0.7	(S)	(S)	(S)
444	Building material and garden equipment and supplies stores	1.1	(S)	(S)	(S)
445	Food and beverage stores	0.4	(S)	(S)	(S)
446	Health and personal care stores	0.6	(S)	(S)	(S)
447	Gasoline stations	0.9	(Z)	(Z)	(Z)
448	Clothing and clothing accessories stores	0.3	11.4	(Z)	(Z)
451	Sporting goods, hobby, book and music stores	0.6	(S)	(S)	(S)
452	General merchandise stores	0.1	(S)	(S)	(S)
453	Miscellaneous store retailers	1.1	(S)	(S)	(S)
454	Nonstore retailers	2.1	3.4	0.1	2.1
454110	Electronic shopping and mail-order houses	2.8	3.4	0.2	2.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Value of corresponding sales estimate is less than $500,000; percent is less than 0.05%.

Source: U.S. Census Bureau, 1998 Annual Retail Trade Survey

Table 5A. Measures of Sampling Variability - U.S. Electronic Shopping and Mail-Order Houses Sales (NAICS 454110) by Merchandise Lines - Total and E-commerce: 1998

[Measures of sampling variability are for estimates in Table 5.]

Merchandise Lines	Coefficient of Variation (%) for Value of Sales		Standard Error for Estimate of:		
	Total	E-commerce	E-commerce as Percent of Total Sales	Percent Distribution of E-Commerce Sales	Percent Distribution of Total Sales
Total Electronic Shopping and Mail-Order Houses (NAICS 454110)					
Books and magazines					
Clothing and clothing accessories (includes footwear)					
Computer hardware					
Computer software					
Drugs, health aids, beauty aids					
Electronics and appliances					
Food, beer and wine					
Furniture and home furnishings					
Music and videos					
Office equipment and supplies					
Toys, hobby goods, and games					
Other merchandise[1]					
Non-merchandise receipts[2]					

The 1999 ARTS collected Merchandise Line data for 1999; no 1998 data were collected.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau. For more information on methodology visit *www.census.gov/estats*.
NA Not applicable.
(Z) Percent is less than 0.05%.

[1]Includes other merchandise such as jewelry, sporting goods, collectibles, souvenirs, auto parts and accessories, hardware, and lawn and garden equipment and supplies.

[2] Includes nonmerchandise receipts such as auction commissions, shipping and handling, customer training, customer support, and online advertising.

Source: U.S. Census Bureau, 1999 Annual Retail Trade Survey (ARTS)