

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P
Total private.....		116.8	118.4	118.4	120.3	1.6	173.7	181.0	181.5	185.9	2.4
Goods-producing.....		92.6	96.3	94.9	95.8	0.9	133.5	143.5	141.2	143.1	1.3
Mining and logging.....		128.6	140.1	136.7	139.1	1.8	208.1	234.5	230.4	234.7	1.9
Logging.....	1133	74.6	74.2	69.4	-	-	102.4	107.7	99.6	-	-
Mining.....	21	136.1	149.0	145.7	-	-	220.5	249.0	245.0	-	-
Oil and gas extraction.....	211	118.4	134.8	140.2	-	-	216.5	254.4	265.9	-	-
Mining, except oil and gas.....	212	85.2	91.7	89.6	-	-	122.4	133.1	129.1	-	-
Coal mining.....	2121	72.5	76.4	77.1	-	-	108.5	114.9	115.4	-	-
Stone mining and quarrying.....	21231	83.0	93.2	88.2	-	-	119.4	147.4	136.1	-	-
Crushed and broken limestone mining.....	212312	76.4	89.4	83.0	-	-	113.3	141.2	124.5	-	-
Other stone mining and quarrying.....	212311,3,9	91.6	98.1	95.0	-	-	126.9	155.0	150.6	-	-
Support activities for mining.....	213	201.3	220.0	212.2	-	-	355.9	403.4	392.7	-	-
Support activities for oil and gas operations.....	213112	231.0	257.5	246.9	-	-	449.7	526.6	510.2	-	-
Construction.....	23	103.7	113.0	108.3	107.8	-0.5	151.9	172.2	164.5	164.9	0.2
Construction of buildings.....	236	93.3	99.6	97.6	-	-	141.2	157.6	154.1	-	-
Residential building.....	2361	85.8	92.0	89.8	-	-	124.9	143.2	139.7	-	-
New single-family general contractors.....	236115	65.2	66.5	65.2	-	-	95.9	107.1	103.7	-	-
Residential remodelers.....	236118	125.5	142.9	140.5	-	-	172.2	207.0	207.7	-	-
Nonresidential building.....	2362	100.4	106.9	104.9	-	-	154.4	169.3	165.6	-	-
Industrial building.....	23621	92.6	108.2	105.0	-	-	145.1	180.6	176.3	-	-
Commercial building.....	23622	103.2	106.3	105.0	-	-	157.6	165.1	161.9	-	-
Heavy and civil engineering construction.....	237	101.1	122.7	112.2	-	-	160.9	208.6	188.0	-	-
Utility system construction.....	2371	131.0	157.1	148.0	-	-	220.4	282.8	261.7	-	-
Water and sewer system construction.....	23711	104.4	110.1	104.8	-	-	157.8	172.9	163.4	-	-
Oil and gas pipeline construction.....	23712	155.9	226.7	228.2	-	-	294.1	435.2	430.6	-	-
Power and communication system construction..	23713	151.0	173.7	151.5	-	-	258.8	334.5	286.2	-	-
Highway, street, and bridge construction.....	2373	82.1	109.0	93.4	-	-	115.3	168.8	142.6	-	-
Specialty trade contractors.....	238	107.9	115.1	110.8	-	-	153.1	168.2	161.8	-	-
Building foundation and exterior contractors.....	2381	99.7	103.0	97.7	-	-	137.8	148.6	140.0	-	-
Poured concrete structure contractors.....	23811	124.0	132.0	124.7	-	-	184.6	205.4	194.1	-	-
Steel and precast concrete contractors.....	23812	92.7	95.4	92.0	-	-	122.9	122.8	121.0	-	-
Framing contractors.....	23813	71.3	65.3	63.3	-	-	88.6	87.3	84.4	-	-
Masonry contractors.....	23814	68.9	70.3	67.0	-	-	94.3	101.7	95.2	-	-
Glass and glazing contractors.....	23815	133.1	123.9	119.8	-	-	177.9	185.9	179.5	-	-
Roofing contractors.....	23816	115.5	123.4	114.4	-	-	165.6	182.8	166.5	-	-
Siding contractors.....	23817	108.5	122.2	118.1	-	-	177.9	226.4	220.3	-	-
Other building exterior contractors.....	23819	141.1	153.0	143.4	-	-	192.2	207.0	186.1	-	-
Building equipment contractors.....	2382	115.8	122.1	119.3	-	-	162.0	175.0	170.4	-	-
Electrical contractors.....	23821	104.1	110.0	106.2	-	-	146.8	159.6	152.6	-	-
Plumbing and HVAC contractors.....	23822	126.5	133.3	130.8	-	-	176.6	189.9	186.8	-	-
Other building equipment contractors.....	23829	134.4	140.0	140.5	-	-	182.7	196.0	197.7	-	-
Building finishing contractors.....	2383	92.6	99.1	95.6	-	-	135.7	148.1	143.5	-	-
Drywall and insulation contractors.....	23831	80.4	85.1	83.3	-	-	122.7	130.5	127.6	-	-
Painting and wall covering contractors.....	23832	92.5	97.4	90.5	-	-	125.8	143.5	133.0	-	-
Flooring contractors.....	23833	96.3	102.1	99.0	-	-	149.3	142.9	148.1	-	-
Tile and terrazzo contractors.....	23834	115.3	124.5	120.8	-	-	205.3	205.3	201.9	-	-
Finish carpentry contractors.....	23835	105.0	114.8	113.9	-	-	147.9	176.9	171.7	-	-
Other building finishing contractors.....	23839	109.6	125.4	119.8	-	-	151.6	176.8	169.0	-	-
Other specialty trade contractors.....	2389	117.7	133.8	126.5	-	-	169.9	202.1	192.0	-	-
Site preparation contractors.....	23891	126.0	132.2	124.6	-	-	179.7	197.4	188.9	-	-
All other specialty trade contractors.....	23899	108.6	135.7	128.7	-	-	158.4	208.1	195.9	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P
Manufacturing.....		85.9	86.9	86.9	88.2	1.5	119.5	123.2	123.9	126.4	2.0
Durable goods.....		86.7	88.2	88.4	90.2	2.0	120.7	124.4	125.7	129.1	2.7
Wood products.....	321	73.6	75.6	73.8	75.4	2.2	105.9	110.3	107.5	110.3	2.6
Sawmills and wood preservation.....	3211	74.6	75.7	73.5	-	-	102.4	105.3	100.4	-	-
Plywood and engineered wood products.....	3212	64.6	68.6	64.7	-	-	96.8	103.8	98.8	-	-
Other wood products.....	3219	76.6	78.4	77.4	-	-	111.5	115.6	114.7	-	-
Millwork.....	32191	68.3	73.8	70.4	-	-	96.6	106.7	101.4	-	-
Wood windows and doors.....	321911	74.2	76.8	73.3	-	-	112.2	118.5	112.0	-	-
Cut stock, resawing lumber, planing, and other millwork, including flooring.....	321912,8	63.1	71.3	67.8	-	-	82.2	95.9	91.5	-	-
Wood containers and pallets.....	32192	108.3	106.4	109.8	-	-	167.8	172.8	181.7	-	-
All other wood products.....	32199	68.5	67.1	67.0	-	-	103.9	98.3	98.9	-	-
Nonmetallic mineral products.....	327	78.4	85.6	82.8	83.0	0.2	105.6	120.4	118.0	119.3	1.1
Cement and concrete products.....	3273	84.0	92.9	88.3	-	-	113.0	134.6	129.0	-	-
Ready-mix concrete.....	32732	80.4	92.0	86.2	-	-	110.5	142.0	134.3	-	-
Other cement and concrete products.....	32731,3,9	88.2	93.9	90.7	-	-	116.5	124.1	121.6	-	-
Primary metals.....	331	78.3	78.3	79.7	81.2	1.9	103.3	104.7	107.9	109.8	1.8
Foundries.....	3315	64.6	69.8	70.6	-	-	86.9	94.6	97.3	-	-
Fabricated metal products.....	332	98.5	100.7	101.0	102.5	1.5	137.8	141.8	143.1	146.6	2.4
Forging and stamping.....	3321	97.2	97.7	97.7	-	-	132.4	129.0	130.6	-	-
Architectural and structural metals.....	3323	98.8	101.0	102.4	-	-	137.0	145.1	148.2	-	-
Plate work and fabricated structural products...	33231	95.3	101.5	104.2	-	-	136.5	148.7	153.8	-	-
Fabricated structural metal products.....	332312	96.1	105.8	106.8	-	-	138.0	156.3	157.9	-	-
Ornamental and architectural metal products...	33232	101.3	100.9	100.9	-	-	137.2	142.6	143.7	-	-
Sheet metal work.....	332322	119.0	116.9	117.8	-	-	158.9	162.2	165.2	-	-
Boilers, tanks, and shipping containers.....	3324	103.8	97.7	98.4	-	-	141.4	134.1	135.7	-	-
Machine shops and threaded products.....	3327	121.7	125.7	125.9	-	-	169.0	177.8	178.7	-	-
Machine shops.....	33271	133.0	139.3	139.6	-	-	184.0	197.6	198.9	-	-
Turned products and screws, nuts, and bolts...	33272	92.9	91.8	90.7	-	-	129.5	126.6	124.9	-	-
Coating, engraving, and heat treating metals....	3328	100.0	103.6	105.0	-	-	137.8	144.5	147.7	-	-
Metal heat treating and coating and nonprecious engraving.....	332811,2	119.0	129.4	134.3	-	-	154.5	175.5	187.2	-	-
Electroplating, anodizing, and coloring metals..	332813	84.2	82.1	80.7	-	-	123.3	117.5	113.7	-	-
Other fabricated metal products.....	3329	97.1	98.3	98.9	-	-	139.3	137.2	139.2	-	-
Metal valves.....	33291	86.3	85.6	85.9	-	-	129.2	128.7	133.2	-	-
All other fabricated metal products.....	33299	102.9	105.1	105.8	-	-	144.5	141.8	142.3	-	-
Machinery.....	333	95.9	96.6	97.3	100.2	3.0	138.0	141.1	142.6	147.1	3.2
Agricultural, construction, and mining machinery.....	3331	131.6	136.3	136.4	-	-	204.8	212.4	214.5	-	-
Farm machinery and equipment.....	333111	93.9	98.0	99.1	-	-	142.0	153.8	154.5	-	-
Industrial machinery.....	3332	91.1	89.8	89.5	-	-	128.0	134.9	133.8	-	-
Commercial and service industry machinery.....	3333	75.9	81.0	82.5	-	-	115.9	124.3	127.4	-	-
HVAC and commercial refrigeration equipment..	3334	81.0	78.9	80.8	-	-	117.6	119.9	121.9	-	-
Metalworking machinery.....	3335	86.6	87.1	87.0	-	-	115.2	118.0	117.1	-	-
Special tools, dies, jigs, and fixtures.....	333514	75.3	73.4	71.9	-	-	103.9	103.3	99.5	-	-
Turbine and power transmission equipment.....	3336	84.6	80.1	82.9	-	-	117.6	112.2	116.7	-	-
Other general purpose machinery.....	3339	101.7	103.0	102.3	-	-	148.6	150.1	150.6	-	-
Computer and electronic products.....	334	85.9	85.8	86.5	89.2	3.1	130.7	132.8	133.9	139.4	4.1
Communications equipment.....	3342	63.7	57.1	56.7	-	-	81.5	74.7	74.4	-	-
Semiconductors and electronic components.....	3344	72.4	70.9	72.1	-	-	102.8	103.0	104.2	-	-
Semiconductors and related devices.....	334413	75.9	72.2	74.4	-	-	124.9	112.7	115.8	-	-
Electronic connectors and misc. electronic components.....	334416,7,9	64.8	68.9	69.7	-	-	92.1	101.7	102.9	-	-
Electronic instruments.....	3345	128.1	132.2	132.9	-	-	218.8	229.3	231.5	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Percent change from: Nov. 2018 - Dec. 2018 ^P	Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Dec. 2017		Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	
Electrical equipment and appliances.....	335	79.5	80.6	81.1	82.6	1.8	113.8	119.1	119.6	123.1	2.9	
Electrical equipment.....	3353	81.7	83.8	84.7	—	—	117.7	122.4	123.1	—	—	
Other electrical equipment and components.....	3359	95.5	96.7	97.4	—	—	137.7	144.1	144.1	—	—	
Transportation equipment.....	336	92.3	93.5	94.8	96.8	2.1	116.5	120.0	123.3	126.4	2.5	
Motor vehicles and parts ⁴	3361,2,3	85.1	85.3	86.5	87.8	1.5	90.7	92.6	95.7	96.7	1.0	
Motor vehicles.....	3361	81.8	83.2	87.2	—	—	89.6	91.4	97.6	—	—	
Motor vehicle bodies and trailers.....	3362	114.1	115.3	112.7	—	—	138.4	146.5	143.3	—	—	
Motor vehicle parts.....	3363	80.8	80.4	81.2	—	—	84.1	85.1	87.6	—	—	
Motor vehicle gasoline engine and parts.....	33631	69.9	68.4	71.5	—	—	79.7	75.3	81.3	—	—	
Motor vehicle power train components.....	33635	72.4	68.6	70.0	—	—	70.5	69.6	72.9	—	—	
Motor vehicle metal stamping.....	33637	98.7	92.8	94.6	—	—	97.7	97.2	103.6	—	—	
All other motor vehicle parts.....	33639	97.4	100.1	99.4	—	—	113.3	115.1	115.8	—	—	
Aerospace products and parts.....	3364	126.1	132.4	135.7	—	—	218.0	226.2	231.9	—	—	
Aircraft.....	336411	118.3	133.9	136.4	—	—	192.3	214.6	219.3	—	—	
Furniture and related products.....	337	61.1	61.7	61.9	63.0	1.8	86.2	87.8	88.0	90.6	3.0	
Household and institutional furniture.....	3371	58.2	59.9	59.8	—	—	83.3	85.5	85.2	—	—	
Wood kitchen cabinets and countertops.....	33711	76.3	80.5	79.8	—	—	107.7	112.7	110.5	—	—	
Other household and institutional furniture.....	33712	47.8	47.9	48.0	—	—	68.1	68.5	69.0	—	—	
Upholstered household furniture.....	337121	68.3	66.8	66.4	—	—	94.2	92.2	91.1	—	—	
Miscellaneous durable goods manufacturing.....	339	83.0	83.9	83.7	84.7	1.2	125.0	123.5	124.3	125.7	1.1	
Medical equipment and supplies.....	3391	102.6	102.5	100.6	—	—	159.3	152.1	149.6	—	—	
Surgical appliances and supplies.....	339113	113.2	113.7	113.3	—	—	153.3	153.8	152.4	—	—	
Dental laboratories.....	339116	76.0	76.0	76.7	—	—	118.4	118.0	117.8	—	—	
Other miscellaneous durable goods manufacturing.....	3399	68.7	70.2	71.5	—	—	97.3	100.3	104.2	—	—	
Signs.....	33995	99.2	95.5	99.8	—	—	137.5	132.8	140.4	—	—	
All other miscellaneous durable goods manufacturing.....	33993,4,9	71.8	71.2	73.4	—	—	107.2	107.4	112.3	—	—	
Nondurable goods.....		84.7	84.9	84.8	85.4	0.7	117.6	120.9	121.0	122.0	0.8	
Food manufacturing.....	311	111.8	115.2	114.5	114.2	-0.3	154.1	162.3	162.8	163.5	0.4	
Sugar and confectionery products.....	3113	86.4	83.5	84.8	—	—	101.1	115.5	116.9	—	—	
Fruit and vegetable preserving and specialty.....	3114	102.5	111.3	96.7	—	—	132.4	147.0	126.7	—	—	
Frozen food.....	31141	104.1	110.4	100.4	—	—	138.8	150.3	133.0	—	—	
Fruit and vegetable canning and drying.....	31142	100.9	112.0	93.0	—	—	126.8	143.6	121.0	—	—	
Dairy products.....	3115	108.5	115.2	119.5	—	—	157.2	165.0	173.2	—	—	
Animal slaughtering and processing.....	3116	108.9	107.2	109.9	—	—	153.6	154.8	159.8	—	—	
Poultry processing.....	311615	105.0	107.4	108.0	—	—	147.1	155.0	156.3	—	—	
Seafood product preparation and packaging.....	3117	83.5	113.6	95.3	—	—	111.9	150.3	128.7	—	—	
Bakeries and tortilla manufacturing.....	3118	105.6	109.4	112.0	—	—	146.3	151.7	154.2	—	—	
Textile mills.....	313	36.7	38.6	39.8	38.8	-2.5	50.7	54.5	55.4	54.5	-1.6	
Textile product mills.....	314	55.3	49.4	49.7	51.2	3.0	76.2	69.7	70.5	72.6	3.0	
Apparel.....	315	31.0	27.9	28.0	28.1	0.4	51.1	47.5	48.2	48.8	1.2	
Paper and paper products.....	322	69.4	68.7	68.7	69.8	1.6	89.6	90.1	90.0	90.9	1.0	
Pulp, paper, and paperboard mills.....	3221	64.3	62.5	62.9	—	—	77.9	74.7	75.6	—	—	
Converted paper products.....	3222	71.8	71.5	71.4	—	—	97.7	100.5	100.1	—	—	
Paperboard containers.....	32221	76.2	75.8	74.6	—	—	102.2	105.5	103.4	—	—	
Corrugated and solid fiber boxes.....	322211	75.6	78.0	76.3	—	—	102.4	106.9	104.4	—	—	
Paper bags and coated and treated paper.....	32222	65.9	63.5	64.6	—	—	84.2	84.1	85.9	—	—	
Printing and related support activities.....	323	64.8	61.0	60.2	61.3	1.8	81.6	76.8	76.0	77.9	2.5	
Petroleum and coal products.....	324	102.9	113.7	99.5	93.9	-5.6	172.3	208.1	180.2	161.8	-10.2	
Chemicals.....	325	98.7	102.2	104.0	105.5	1.4	138.5	143.3	147.7	149.9	1.5	
Basic chemicals.....	3251	78.8	86.2	86.8	—	—	108.4	111.1	113.3	—	—	
Resin, rubber, and artificial fibers.....	3252	78.5	77.5	79.7	—	—	113.1	131.5	138.8	—	—	
Pharmaceuticals and medicines.....	3254	138.4	149.4	149.9	—	—	213.9	224.8	227.0	—	—	

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Percent change from: Nov. 2018 - Dec. 2018 ^P	Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Dec. 2017		Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	
Soaps, cleaning compounds, and toiletries.....	3256	91.4	90.6	92.4	-	-	120.6	127.6	132.0	-	-	
Plastics and rubber products.....	326	87.2	84.8	85.9	87.2	1.5	115.7	117.0	118.6	121.5	2.4	
Plastics products.....	3261	90.2	88.5	89.4	-	-	125.9	128.1	129.9	-	-	
Plastics packaging materials, film, and sheet. . .	32611	104.4	105.2	107.0	-	-	139.4	152.7	157.5	-	-	
Foam products.....	32614,5	116.9	105.5	108.1	-	-	160.5	150.7	156.5	-	-	
Other plastics products.....	32619	82.8	83.3	83.5	-	-	119.4	121.9	121.7	-	-	
Rubber products.....	3262	77.4	72.1	73.8	-	-	87.8	86.2	86.9	-	-	
Miscellaneous nondurable goods manufacturing. . .	312,6	102.8	101.3	97.4	99.2	1.8	128.7	129.1	122.8	126.1	2.7	
Private service-providing.....		123.5	124.2	124.8	127.0	1.8	186.1	192.2	193.8	199.1	2.7	
Trade, transportation, and utilities.....		114.8	110.8	114.2	116.4	1.9	157.8	159.2	163.6	167.8	2.6	
Wholesale trade.....	42	109.6	110.1	110.8	112.4	1.4	159.9	165.3	166.9	172.4	3.3	
Durable goods.....	423	104.5	104.9	105.5	-	-	148.1	152.9	154.4	-	-	
Motor vehicles and parts.....	4231	100.8	99.2	100.7	-	-	136.0	137.2	141.8	-	-	
Motor vehicles.....	42311	101.0	104.2	106.8	-	-	141.1	160.6	166.0	-	-	
New motor vehicle parts.....	42312	95.9	92.1	92.2	-	-	125.0	119.9	122.4	-	-	
Furniture and furnishings.....	4232	104.8	101.9	101.5	-	-	144.8	144.3	142.7	-	-	
Lumber and construction supplies.....	4233	104.1	104.7	103.8	-	-	157.4	163.9	162.9	-	-	
Lumber and wood.....	42331	89.4	89.3	88.3	-	-	139.9	145.9	148.0	-	-	
Commercial equipment.....	4234	95.7	95.8	96.8	-	-	134.0	136.9	138.2	-	-	
Office equipment.....	42342	70.6	65.5	66.6	-	-	102.8	95.0	98.9	-	-	
Computer and software.....	42343	80.6	82.2	83.7	-	-	105.6	109.5	112.9	-	-	
Medical equipment.....	42345	134.3	130.1	130.1	-	-	209.4	210.9	204.8	-	-	
Miscellaneous professional and commercial equipment.....	42341,4,6,9	111.5	119.5	119.9	-	-	174.5	189.7	188.8	-	-	
Metals and minerals.....	4235	104.6	106.0	106.1	-	-	146.2	150.7	151.5	-	-	
Electric goods.....	4236	96.6	94.7	95.3	-	-	135.4	139.0	140.5	-	-	
Electrical equipment and wiring.....	42361	107.1	104.7	104.4	-	-	146.6	144.2	147.8	-	-	
Electric appliances and other electronic parts.....	42362,9	87.8	86.1	87.5	-	-	126.5	134.6	134.7	-	-	
Hardware and plumbing.....	4237	115.2	121.7	121.3	-	-	173.4	189.6	191.6	-	-	
Hardware.....	42371	108.7	116.4	117.2	-	-	172.0	181.0	185.4	-	-	
Plumbing equipment.....	42372	121.4	131.4	131.9	-	-	193.5	222.8	228.7	-	-	
HVAC and refrigeration equipment.....	42373,4	114.3	115.4	113.0	-	-	154.3	163.6	160.1	-	-	
Machinery and supplies.....	4238	107.8	109.4	110.0	-	-	157.6	164.3	165.8	-	-	
Construction equipment.....	42381	114.4	117.9	115.8	-	-	168.4	175.4	172.6	-	-	
Farm and garden equipment.....	42382	104.8	107.3	105.2	-	-	171.2	179.1	177.4	-	-	
Industrial machinery.....	42383	102.6	104.3	105.9	-	-	147.3	152.2	155.3	-	-	
Industrial supplies.....	42384	136.4	132.1	133.6	-	-	208.3	205.8	209.6	-	-	
Miscellaneous durable goods.....	4239	122.6	124.5	124.3	-	-	179.1	185.2	184.6	-	-	
Sporting goods.....	42391	114.1	114.6	116.1	-	-	167.8	179.5	179.4	-	-	
Recyclable materials.....	42393	124.3	131.2	133.9	-	-	175.0	194.2	198.1	-	-	
Nondurable goods.....	424	105.3	105.4	106.7	-	-	151.0	157.8	160.2	-	-	
Paper and paper products.....	4241	85.9	84.8	84.7	-	-	126.9	128.8	129.7	-	-	
Druggists' goods.....	4242	91.2	95.1	93.7	-	-	135.1	154.0	151.9	-	-	
Apparel and piece goods.....	4243	96.9	94.3	94.3	-	-	141.2	136.4	138.5	-	-	
Grocery and related products.....	4244	115.2	114.6	116.7	-	-	158.3	164.1	168.2	-	-	
General line grocery.....	42441	112.0	111.8	111.7	-	-	147.5	146.1	144.4	-	-	
Fruits and vegetables.....	42448	147.7	151.1	153.4	-	-	205.1	220.3	225.5	-	-	
Farm product raw materials.....	4245	97.7	110.3	109.7	-	-	154.2	181.7	178.5	-	-	
Chemicals.....	4246	104.4	111.7	113.9	-	-	149.7	169.9	174.8	-	-	
Petroleum.....	4247	102.8	94.6	96.7	-	-	154.3	145.2	147.4	-	-	
Alcoholic beverages.....	4248	148.3	149.4	154.7	-	-	204.1	209.8	215.2	-	-	
Misc. nondurable goods.....	4249	90.0	89.3	89.0	-	-	135.4	140.0	140.2	-	-	
Farm supplies.....	42491	108.3	117.0	116.2	-	-	166.7	185.1	186.2	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P
Nursery stock and florists' supplies.....	42493	71.9	69.8	71.4	-	-	104.7	103.5	108.3	-	-
Electronic markets and agents and brokers.....	425	154.1	153.1	154.0	-	-	238.8	240.2	242.5	-	-
Retail trade.....		109.7	103.7	107.5	109.5	1.9	143.6	142.7	148.1	151.2	2.1
Motor vehicle and parts dealers.....	441	112.6	114.6	114.3	-	-	139.8	147.7	147.7	-	-
Automobile dealers.....	4411	113.8	113.5	113.5	-	-	135.7	141.8	141.9	-	-
New car dealers.....	44111	108.2	107.6	108.1	-	-	129.4	135.0	135.1	-	-
Used car dealers.....	44112	184.9	188.1	182.0	-	-	242.7	259.8	260.5	-	-
Other motor vehicle dealers.....	4412	102.7	111.2	106.3	-	-	143.4	164.0	155.8	-	-
Auto parts, accessories, and tire stores.....	4413	112.2	117.6	117.8	-	-	154.0	164.1	165.7	-	-
Automotive parts and accessories stores.....	44131	108.7	114.2	112.3	-	-	156.1	166.5	164.7	-	-
Tire dealers.....	44132	119.5	124.5	129.4	-	-	150.3	159.8	167.9	-	-
Furniture and home furnishings stores.....	442	96.8	90.8	94.5	-	-	134.7	128.4	133.6	-	-
Furniture stores.....	4421	89.5	90.8	92.6	-	-	125.8	123.7	128.3	-	-
Home furnishings stores.....	4422	105.2	90.5	96.9	-	-	147.0	134.5	141.4	-	-
Floor covering stores.....	44221	77.4	77.0	75.2	-	-	116.7	115.9	113.9	-	-
Other home furnishings stores.....	44229	127.9	101.6	114.7	-	-	181.2	156.1	172.5	-	-
Electronics and appliance stores.....	443	103.4	96.2	95.4	-	-	149.3	138.7	139.0	-	-
Household appliance stores.....	443141	61.7	64.9	67.1	-	-	84.4	95.9	101.3	-	-
Electronics stores.....	443142	111.3	102.1	100.7	-	-	159.1	145.1	144.7	-	-
Building material and garden supply stores.....	444	98.6	101.9	100.3	-	-	131.2	140.3	138.0	-	-
Building material and supplies dealers.....	4441	98.3	100.4	99.0	-	-	129.8	137.7	135.5	-	-
Home centers.....	44411	110.0	112.9	110.2	-	-	139.0	150.3	147.0	-	-
Hardware stores.....	44413	88.6	86.0	86.1	-	-	123.1	122.8	124.5	-	-
Lawn and garden equipment and supplies stores... ..	4442	100.7	112.6	109.1	-	-	142.1	161.0	157.2	-	-
Food and beverage stores.....	445	95.3	94.4	96.4	-	-	118.0	122.1	125.0	-	-
Grocery stores.....	4451	95.8	95.2	96.8	-	-	119.2	123.5	126.2	-	-
Supermarkets and other grocery stores.....	44511	94.9	94.4	96.2	-	-	118.2	122.4	125.5	-	-
Convenience stores.....	44512	112.9	108.4	109.3	-	-	146.3	145.1	146.8	-	-
Specialty food stores.....	4452	79.5	81.8	83.6	-	-	94.5	103.2	104.1	-	-
Meat markets and fish and seafood markets.....	44521,2	108.9	102.4	109.2	-	-	132.0	126.7	130.8	-	-
Beer, wine, and liquor stores.....	4453	112.8	106.1	107.4	-	-	135.9	135.8	134.3	-	-
Health and personal care stores.....	446	110.8	102.9	103.6	-	-	164.5	157.0	157.4	-	-
Pharmacies and drug stores.....	44611	98.9	93.1	94.7	-	-	159.2	152.9	154.4	-	-
Cosmetic and beauty supply stores.....	44612	188.8	149.7	147.0	-	-	229.0	187.9	183.3	-	-
Optical goods stores.....	44613	135.1	133.5	133.5	-	-	180.0	185.7	184.3	-	-
Other health and personal care stores.....	44619	99.7	105.2	103.2	-	-	133.5	141.9	140.1	-	-
Gasoline stations.....	447	102.9	104.6	104.6	-	-	138.9	143.4	143.9	-	-
Gasoline stations with convenience stores.....	44711	107.9	109.6	109.1	-	-	146.9	151.0	150.8	-	-
Other gasoline stations.....	44719	77.6	79.2	80.1	-	-	103.7	109.8	111.7	-	-
Clothing and clothing accessories stores.....	448	105.0	88.1	98.2	-	-	141.7	129.1	140.6	-	-
Clothing stores.....	4481	106.7	88.0	98.9	-	-	139.1	125.4	137.0	-	-
Women's clothing stores.....	44812	119.5	96.4	112.2	-	-	146.7	122.8	140.3	-	-
Family clothing stores.....	44814	101.1	79.9	94.1	-	-	124.9	112.6	126.6	-	-
Clothing accessories stores.....	44815	146.5	125.1	121.7	-	-	221.6	200.7	187.8	-	-
Shoe stores.....	4482	123.5	109.7	123.7	-	-	192.0	182.1	207.1	-	-
Jewelry, luggage, and leather goods stores.....	4483	82.8	71.5	75.4	-	-	121.7	111.4	115.1	-	-
Sporting goods, hobby, book, and music stores.....	451	122.4	93.9	105.6	-	-	178.2	136.6	152.0	-	-
Sporting goods and musical instrument stores.....	4511	147.6	112.6	129.0	-	-	209.3	159.5	180.4	-	-
Sporting goods stores.....	45111	163.0	143.9	165.0	-	-	221.3	201.5	230.6	-	-
Book stores and news dealers.....	4512	45.7	37.3	34.6	-	-	70.4	57.8	54.1	-	-
General merchandise stores.....	452	136.7	119.2	130.2	-	-	174.0	169.2	187.7	-	-
Miscellaneous store retailers.....	453	84.8	82.6	83.9	-	-	108.3	108.6	111.2	-	-
Florists.....	4531	47.1	42.4	44.6	-	-	64.0	61.1	62.5	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Percent change from: Nov. 2018 - Dec. 2018 ^P	Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Dec. 2017		Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	
Office supplies, stationery, and gift stores.....	4532	53.2	50.5	52.2	-	-	66.2	64.0	66.8	-	-	
Office supplies and stationery stores.....	45321	48.8	46.0	49.4	-	-	57.6	55.3	59.6	-	-	
Gift, novelty, and souvenir stores.....	45322	57.4	54.9	54.8	-	-	79.2	77.2	77.4	-	-	
Used merchandise stores.....	4533	175.9	173.0	172.9	-	-	255.7	259.7	259.7	-	-	
Other miscellaneous store retailers.....	4539	115.0	114.0	115.9	-	-	146.2	149.8	154.2	-	-	
Pet and pet supplies stores.....	45391	180.0	177.7	180.6	-	-	250.0	254.3	264.6	-	-	
Nonstore retailers.....	454	134.9	128.5	136.2	-	-	189.4	178.5	191.9	-	-	
Electronic shopping and mail-order houses.....	4541	179.0	169.9	182.5	-	-	237.7	222.1	240.4	-	-	
Transportation and warehousing.....		139.7	135.8	140.5	146.0	3.9	189.5	190.0	195.3	203.2	4.0	
Air transportation.....	481	73.1	71.9	72.2	-	-	159.7	156.0	157.3	-	-	
Truck transportation.....	484	118.5	121.1	120.6	-	-	163.1	173.4	171.8	-	-	
General freight trucking.....	4841	115.6	116.2	116.8	-	-	155.2	161.2	160.9	-	-	
General freight trucking, local.....	48411	112.7	115.9	116.7	-	-	153.9	168.7	170.0	-	-	
General freight trucking, long-distance.....	48412	116.4	116.6	117.0	-	-	155.3	159.3	158.2	-	-	
General freight trucking, long-distance TL.....	484121	111.4	110.9	111.8	-	-	151.3	152.6	152.3	-	-	
General freight trucking, long-distance LTL.....	484122	128.4	130.0	129.0	-	-	164.0	173.5	170.7	-	-	
Specialized freight trucking.....	4842	126.6	133.9	131.1	-	-	187.0	208.9	204.0	-	-	
Used household and office goods moving.....	48421	85.3	90.2	88.3	-	-	122.5	134.6	134.2	-	-	
Other specialized trucking, local.....	48422	136.4	146.9	142.4	-	-	204.4	238.3	228.9	-	-	
Other specialized trucking, long-distance.....	48423	145.9	149.4	148.6	-	-	204.9	214.8	213.9	-	-	
Transit and ground passenger transportation.....	485	147.0	146.2	143.5	-	-	199.1	208.9	203.7	-	-	
School and employee bus transportation.....	4854	162.5	165.8	156.9	-	-	227.2	247.3	233.3	-	-	
Other ground passenger transportation.....	4859	203.9	213.5	212.9	-	-	258.5	279.8	276.0	-	-	
Pipeline transportation.....	486	126.7	132.1	133.0	-	-	239.7	255.0	253.8	-	-	
Support activities for transportation.....	488	135.2	139.5	140.6	-	-	173.4	183.9	187.2	-	-	
Support activities for air transportation.....	4881	148.4	155.8	156.5	-	-	168.7	188.1	192.2	-	-	
Airport operations.....	48811	155.2	158.0	162.0	-	-	150.7	162.2	168.9	-	-	
Support activities for water transportation.....	4883	86.4	92.0	92.0	-	-	135.1	147.0	149.3	-	-	
Support activities for road transportation.....	4884	158.5	158.6	161.5	-	-	173.3	179.2	182.6	-	-	
Freight transportation arrangement.....	4885	140.2	142.4	143.4	-	-	199.4	203.4	205.4	-	-	
Support activities for other transportation, including rail.....	4882,9	141.7	148.5	150.2	-	-	218.7	229.4	236.8	-	-	
Couriers and messengers.....	492	238.5	180.7	206.8	-	-	307.2	234.8	267.3	-	-	
Warehousing and storage.....	493	226.3	225.6	245.9	-	-	263.9	273.2	297.9	-	-	
General warehousing and storage.....	49311	244.0	240.2	263.3	-	-	284.5	290.5	318.0	-	-	
Utilities.....	22	96.5	97.2	97.2	96.4	-0.8	145.6	150.7	152.1	149.9	-1.4	
Power generation and supply.....	2211	95.0	97.8	96.6	-	-	148.4	154.4	153.7	-	-	
Electric power generation.....	22111	60.8	60.4	61.9	-	-	94.8	92.7	97.5	-	-	
Fossil fuel electric power generation.....	221112	67.9	67.7	68.5	-	-	113.0	111.2	114.2	-	-	
Electric power transmission and distribution.....	22112	149.2	156.7	151.3	-	-	243.7	263.6	253.1	-	-	
Natural gas distribution.....	2212	95.3	88.7	91.8	-	-	134.9	138.0	147.5	-	-	
Water, sewage and other systems.....	2213	114.5	117.1	120.1	-	-	144.4	149.4	150.7	-	-	
Information.....	51	91.0	89.8	90.6	92.9	2.5	139.0	143.4	145.6	151.5	4.1	
Publishing industries, except Internet.....	511	98.1	98.2	100.3	-	-	154.7	158.9	162.8	-	-	
Newspaper, book, and directory publishers.....	5111	73.3	68.8	69.7	-	-	110.9	104.8	105.3	-	-	
Newspaper publishers.....	51111	65.4	59.3	61.5	-	-	85.6	77.9	78.3	-	-	
Periodical publishers.....	51112	91.4	88.5	85.9	-	-	152.9	147.8	143.3	-	-	
Software publishers.....	5112	138.9	146.6	150.2	-	-	191.4	204.1	210.5	-	-	
Motion picture and sound recording industries.....	512	90.4	94.8	94.1	-	-	101.5	115.8	110.8	-	-	
Broadcasting, except Internet.....	515	82.9	81.9	81.0	-	-	128.9	135.9	136.7	-	-	
Radio broadcasting.....	51511	85.2	84.0	81.2	-	-	141.5	157.1	157.7	-	-	
Telecommunications.....	517	70.6	65.8	66.5	-	-	106.1	104.1	105.7	-	-	
Wired and wireless telecommunications carriers.....	5173	76.9	71.7	72.2	-	-	115.7	113.9	115.4	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Percent change from: Nov. 2018 - Dec. 2018 ^P	Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Dec. 2017		Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	
Data processing, hosting and related services.....	518	113.9	114.9	114.6	-	-	196.4	212.2	216.5	-	-	
Other information services.....	519	250.5	259.3	264.0	-	-	396.8	410.4	425.3	-	-	
Financial activities.....		114.3	115.7	115.5	118.7	2.8	188.2	191.5	192.4	200.4	4.2	
Credit intermediation and related activities.....	522	107.6	107.1	107.1	-	-	176.3	176.9	177.8	-	-	
Depository credit intermediation.....	5221	104.5	104.5	104.7	-	-	176.3	183.1	184.5	-	-	
Commercial banking.....	52211	110.4	110.0	110.2	-	-	190.6	197.6	199.4	-	-	
Savings institutions.....	52212	49.3	48.8	48.9	-	-	76.6	79.8	79.4	-	-	
Credit unions and other depository credit intermediation.....	52213,9	129.9	132.0	132.6	-	-	210.4	218.8	221.5	-	-	
Nondepository credit intermediation.....	5222	101.2	101.7	100.6	-	-	156.5	155.6	154.9	-	-	
Consumer lending.....	522291	110.0	104.7	103.8	-	-	143.2	140.3	138.6	-	-	
Real estate credit.....	522292	97.0	97.5	95.0	-	-	142.5	135.9	134.2	-	-	
Activities related to credit intermediation.....	5223	147.0	142.3	143.3	-	-	238.9	211.8	213.3	-	-	
Securities, commodity contracts, investments, and funds and trusts.....	523,5	127.4	129.4	130.6	-	-	235.3	232.3	238.5	-	-	
Securities brokerage.....	52312	104.6	107.0	107.8	-	-	186.0	188.6	190.2	-	-	
Securities and commodity contracts brokerage and exchanges.....	5231,2	98.7	99.7	102.0	-	-	188.9	178.5	185.5	-	-	
Other financial investment activities, including funds and trusts.....	5239; 525	175.7	179.0	178.1	-	-	311.3	319.4	324.1	-	-	
Portfolio management.....	52392	173.3	169.3	171.1	-	-	328.3	322.4	325.6	-	-	
Investment advice.....	52393	222.2	236.8	231.2	-	-	364.4	406.4	412.3	-	-	
Insurance carriers and related activities.....	524	117.9	117.2	117.0	-	-	181.2	182.6	183.1	-	-	
Insurance carriers.....	5241	105.0	104.1	104.3	-	-	161.9	164.0	163.8	-	-	
Direct life and health insurance carriers.....	52411	112.0	113.9	112.9	-	-	179.5	187.9	187.6	-	-	
Direct insurers, except life and health.....	52412	97.8	94.5	96.2	-	-	142.5	140.1	139.9	-	-	
Reinsurance carriers.....	52413	92.6	94.1	89.4	-	-	218.0	203.5	208.0	-	-	
Insurance agencies, brokerages, and related services.....	5242	143.4	143.3	142.3	-	-	223.8	223.8	225.8	-	-	
Insurance agencies and brokerages.....	52421	142.1	139.5	140.2	-	-	219.8	215.0	218.3	-	-	
Other insurance-related activities.....	52429	146.7	152.9	147.7	-	-	233.2	244.5	243.3	-	-	
Third-party administration of insurance funds.....	524292	141.1	148.3	143.4	-	-	227.7	242.8	244.1	-	-	
Real estate.....	531	122.2	127.3	126.5	-	-	202.3	214.8	214.2	-	-	
Lessors of real estate.....	5311	94.2	100.5	99.7	-	-	154.5	171.6	169.9	-	-	
Lessors of residential buildings.....	53111	89.7	94.0	92.4	-	-	141.5	154.0	150.2	-	-	
Lessors of nonresidential buildings.....	53112	90.9	98.8	100.3	-	-	174.0	199.3	201.5	-	-	
Offices of real estate agents and brokers.....	5312	115.4	118.8	118.1	-	-	202.3	206.2	207.5	-	-	
Activities related to real estate.....	5313	166.6	170.7	170.1	-	-	261.0	271.8	272.2	-	-	
Real estate property managers.....	53131	167.6	172.7	172.2	-	-	260.3	275.5	276.6	-	-	
Residential property managers.....	531311	178.5	182.9	182.3	-	-	274.7	292.1	290.8	-	-	
Nonresidential property managers.....	531312	142.8	149.1	148.9	-	-	234.5	244.8	250.5	-	-	
Rental and leasing services.....	532	97.6	109.0	105.7	-	-	161.5	188.2	180.5	-	-	
Home health equipment rental.....	532283	114.4	118.0	120.3	-	-	121.9	131.9	133.0	-	-	
General rental centers.....	5323	61.3	61.4	57.1	-	-	63.0	65.2	61.9	-	-	
Machinery and equipment rental and leasing.....	5324	160.9	199.1	190.6	-	-	272.8	368.6	341.2	-	-	
Heavy machinery rental and leasing.....	53241	157.9	187.7	190.4	-	-	305.2	370.8	373.8	-	-	
Office equipment and other machinery rental and leasing.....	53242,9	165.5	215.6	191.4	-	-	229.0	365.9	297.8	-	-	
Professional and business services.....		133.6	138.3	137.8	139.9	1.5	208.5	219.9	220.3	227.7	3.4	
Professional and technical services.....	54	142.7	147.0	147.2	-	-	226.1	237.4	238.9	-	-	
Legal services.....	5411	102.5	102.6	102.3	-	-	156.4	163.8	165.2	-	-	
Offices of lawyers.....	54111	100.7	100.7	100.7	-	-	154.3	161.6	163.5	-	-	
Other legal services.....	54119	129.7	129.5	128.4	-	-	206.2	211.4	208.0	-	-	
Title abstract and settlement offices.....	541191	112.9	113.7	113.7	-	-	156.4	164.0	162.7	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Percent change from: Nov. 2018 - Dec. 2018 ^P	Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Dec. 2017		Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	
Accounting and bookkeeping services.....	5412	113.1	113.9	115.6	-	-	181.0	187.2	189.3	-	-	
Offices of certified public accountants.....	541211	125.9	127.8	125.6	-	-	187.3	193.6	189.2	-	-	
Payroll services.....	541214	131.2	137.6	142.8	-	-	217.4	232.2	240.5	-	-	
Architectural and engineering services.....	5413	115.6	119.1	118.3	-	-	183.6	191.9	190.8	-	-	
Architectural services.....	54131	108.0	109.6	109.3	-	-	166.3	172.1	171.6	-	-	
Landscape architectural services.....	54132	74.0	87.7	83.9	-	-	123.7	146.2	144.5	-	-	
Engineering and drafting services.....	54133,4	120.2	124.0	123.6	-	-	191.7	199.5	199.0	-	-	
Building inspection, surveying, and mapping services.....	54135,6,7	97.5	100.8	102.2	-	-	159.3	168.1	170.1	-	-	
Testing laboratories.....	54138	120.0	122.0	120.0	-	-	175.1	186.6	182.9	-	-	
Specialized design services.....	5414	116.9	117.2	119.5	-	-	205.9	209.8	213.8	-	-	
Graphic design services.....	54143	97.1	92.1	95.0	-	-	176.0	170.0	176.8	-	-	
Computer systems design and related services.....	5415	183.6	188.8	190.3	-	-	268.7	279.7	283.0	-	-	
Custom computer programming services.....	541511	175.0	179.1	180.8	-	-	251.4	260.1	263.0	-	-	
Computer systems design services.....	541512	226.2	233.3	233.9	-	-	316.5	330.1	333.2	-	-	
Management and technical consulting services.....	5416	236.5	250.7	248.9	-	-	359.8	380.1	381.7	-	-	
Management consulting services.....	54161	234.9	249.8	246.2	-	-	347.9	370.2	370.5	-	-	
Administrative management consulting services..	541611	264.7	286.8	280.9	-	-	425.4	452.2	459.1	-	-	
Marketing consulting services.....	541613	403.1	411.2	411.5	-	-	577.3	607.2	607.4	-	-	
Process and logistics consulting services.....	541614	210.3	231.5	231.1	-	-	261.5	284.2	282.7	-	-	
Scientific research and development services.....	5417	136.0	142.7	142.2	-	-	228.3	245.8	246.3	-	-	
Research and development in the physical, engineering, and life sciences.....	54171	142.7	149.9	149.5	-	-	240.1	258.5	259.0	-	-	
Research and development in nanotechnology. ..	541713	163.0	183.9	180.2	-	-	264.4	330.0	335.1	-	-	
Research and development in biotechnology, except nanobiotechnology.....	541714	176.2	183.7	183.6	-	-	283.7	301.8	301.8	-	-	
Research and development in the physical, engineering, and life sciences, except nanotechnology and biotechnology.....	541715	130.9	137.2	137.2	-	-	226.2	242.1	243.0	-	-	
Social science and humanities research.....	54172	86.3	89.1	87.3	-	-	128.9	139.6	137.8	-	-	
Advertising and related services.....	5418	123.9	126.2	127.0	-	-	203.1	211.6	214.4	-	-	
Advertising agencies.....	54181	139.6	140.9	141.7	-	-	216.5	215.1	220.0	-	-	
Public relations agencies.....	54182	127.8	144.8	148.3	-	-	209.4	245.7	251.5	-	-	
Advertising material distribution and other advertising services.....	54187,9	142.0	149.8	152.8	-	-	231.2	265.0	270.1	-	-	
Other professional and technical services.....	5419	167.2	178.2	176.1	-	-	283.9	314.4	312.3	-	-	
Marketing research and public opinion polling.....	54191	84.3	88.3	84.9	-	-	139.2	149.9	147.4	-	-	
Photographic services.....	54192	76.8	59.5	60.0	-	-	127.3	104.8	102.2	-	-	
Veterinary services.....	54194	171.2	176.3	175.1	-	-	268.5	275.2	273.7	-	-	
Miscellaneous professional and technical services..	54193,9	422.4	507.4	500.4	-	-	771.3	963.2	960.0	-	-	
Management of companies and enterprises.....	55	123.8	127.6	126.8	-	-	217.1	225.1	225.4	-	-	
Offices of bank holding companies and of other holding companies.....	55111,2	101.0	110.2	108.2	-	-	170.9	188.7	188.5	-	-	
Managing offices.....	551114	125.2	128.3	127.9	-	-	220.3	227.2	228.0	-	-	
Administrative and waste services.....	56	128.3	133.7	132.7	-	-	181.7	194.6	193.5	-	-	
Administrative and support services.....	561	128.3	133.6	132.2	-	-	182.5	195.0	193.4	-	-	
Office administrative services.....	5611	194.6	196.1	195.1	-	-	338.0	351.8	353.1	-	-	
Facilities support services.....	5612	153.2	154.6	155.0	-	-	174.4	178.6	180.4	-	-	
Employment services.....	5613	126.3	127.2	128.5	-	-	171.2	176.6	179.0	-	-	
Employment placement agencies and executive search services.....	56131	112.0	115.4	117.9	-	-	178.0	179.9	186.1	-	-	
Temporary help services.....	56132	153.0	154.1	155.3	-	-	207.3	214.9	217.1	-	-	
Professional employer organizations.....	56133	52.0	52.2	53.5	-	-	67.9	69.7	71.1	-	-	
Business support services.....	5614	135.4	133.8	135.7	-	-	197.2	200.0	202.0	-	-	
Telephone call centers.....	56142	177.0	170.0	173.3	-	-	274.1	268.1	272.2	-	-	
Business service centers.....	56143	94.6	90.9	92.9	-	-	130.7	124.7	126.3	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P
Collection agencies.....	56144	87.2	87.4	87.3	-	-	124.6	126.0	127.0	-	-
Travel arrangement and reservation services.....	5615	88.1	86.1	85.0	-	-	147.4	145.1	139.8	-	-
Travel agencies.....	56151	73.9	68.3	68.2	-	-	100.5	95.7	95.5	-	-
Investigation and security services.....	5616	129.4	130.9	130.5	-	-	193.6	205.5	207.2	-	-
Security and armored car services.....	56161	126.6	127.7	126.3	-	-	186.4	195.6	195.8	-	-
Security systems services.....	56162	148.1	153.8	157.3	-	-	225.6	250.7	255.7	-	-
Services to buildings and dwellings.....	5617	124.7	146.2	137.5	-	-	177.8	216.9	203.5	-	-
Exterminating and pest control services.....	56171	155.6	162.3	156.2	-	-	231.6	239.3	232.0	-	-
Janitorial services.....	56172	125.7	133.8	133.2	-	-	174.4	190.2	190.0	-	-
Landscaping services.....	56173	122.1	162.3	143.1	-	-	179.1	247.0	218.8	-	-
Carpet and upholstery cleaning services.....	56174	95.1	103.7	103.5	-	-	130.8	151.8	155.5	-	-
Other services to buildings and dwellings.....	56179	119.0	146.0	133.7	-	-	155.5	193.2	179.1	-	-
Other support services.....	5619	111.0	120.7	116.4	-	-	146.9	164.9	157.8	-	-
Packaging and labeling services.....	56191	132.0	122.2	124.2	-	-	201.9	185.2	190.5	-	-
Convention and trade show organizers.....	56192	93.5	119.7	105.7	-	-	106.2	129.4	110.3	-	-
All other support services.....	56199	109.6	120.5	116.9	-	-	155.1	179.0	174.8	-	-
Waste management and remediation services.....	562	129.8	139.0	139.1	-	-	173.4	192.5	192.2	-	-
Waste collection.....	5621	172.4	181.0	181.5	-	-	232.2	251.9	252.8	-	-
Waste treatment and disposal.....	5622	86.6	89.4	91.0	-	-	135.0	141.0	143.0	-	-
Remediation and other waste services.....	5629	132.0	149.9	147.5	-	-	162.8	195.4	191.3	-	-
Education and health services.....		142.1	144.2	145.0	146.4	1.0	218.5	226.0	228.7	231.2	1.1
Health care and social assistance.....	62	143.5	145.5	146.2	-	-	222.8	230.9	233.8	-	-
Health care ⁵	621,2,3	139.6	141.2	142.0	-	-	222.1	229.7	232.5	-	-
Ambulatory health care services.....	621	162.9	164.8	165.9	-	-	257.6	263.6	266.2	-	-
Offices of physicians.....	6211	139.7	142.5	142.7	-	-	254.3	261.2	262.0	-	-
Offices of physicians, except mental health.....	621111	140.1	142.6	142.8	-	-	255.7	262.5	263.0	-	-
Offices of mental health physicians.....	621112	120.4	133.1	129.3	-	-	181.1	185.2	189.4	-	-
Offices of dentists.....	6212	128.0	125.6	127.0	-	-	183.9	181.8	186.5	-	-
Offices of other health practitioners.....	6213	181.3	187.0	189.1	-	-	268.1	278.7	283.4	-	-
Offices of chiropractors.....	62131	140.5	137.6	135.7	-	-	205.4	199.2	198.8	-	-
Offices of optometrists.....	62132	151.3	163.7	163.2	-	-	232.1	249.4	250.9	-	-
Offices of mental health practitioners.....	62133	146.4	147.3	152.5	-	-	185.0	172.4	181.2	-	-
Offices of specialty therapists.....	62134	199.6	208.9	216.2	-	-	296.9	318.0	326.8	-	-
Offices of all other health practitioners.....	62139	257.2	256.3	251.2	-	-	359.0	364.5	364.7	-	-
Outpatient care centers.....	6214	220.0	226.5	228.0	-	-	346.3	363.4	367.4	-	-
Outpatient mental health centers.....	62142	176.7	180.4	183.2	-	-	239.8	255.0	260.4	-	-
Outpatient care centers, except mental health.....	62141,9	239.9	247.5	248.7	-	-	388.3	405.9	409.7	-	-
Freestanding emergency medical centers.....	621493	266.2	266.7	274.0	-	-	416.1	419.8	428.2	-	-
Miscellaneous outpatient care centers.....	621410,98	239.2	252.2	252.6	-	-	385.2	411.1	415.5	-	-
Medical and diagnostic laboratories.....	6215	162.7	160.6	159.2	-	-	237.1	244.1	245.5	-	-
Medical laboratories.....	621511	164.9	163.9	162.2	-	-	240.1	247.8	248.9	-	-
Diagnostic imaging centers.....	621512	156.8	151.4	152.1	-	-	229.7	234.4	238.0	-	-
Home health care services.....	6216	214.2	215.9	218.8	-	-	285.3	291.3	292.8	-	-
Other ambulatory health care services.....	6219	163.7	158.5	157.2	-	-	268.3	262.1	266.5	-	-
Ambulance services.....	62191	163.9	159.6	156.2	-	-	253.0	261.7	261.0	-	-
All other ambulatory health care services.....	62199	162.9	157.0	158.5	-	-	286.7	262.8	273.3	-	-
Hospitals.....	622	129.4	132.0	132.2	-	-	214.2	223.6	226.7	-	-
General medical and surgical hospitals.....	6221	127.0	129.0	129.2	-	-	211.1	219.2	222.2	-	-
Nursing and residential care facilities.....	623	120.0	119.9	121.7	-	-	166.1	171.8	175.5	-	-
Nursing care facilities.....	6231	102.7	101.0	102.4	-	-	143.2	146.0	149.1	-	-
Residential mental health facilities.....	6232	132.7	134.8	137.1	-	-	187.5	200.0	204.2	-	-
Residential intellectual and developmental disability facilities.....	62321	123.1	123.6	125.2	-	-	167.9	174.2	177.5	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P	Dec. 2017	Oct. 2018	Nov. 2018 ^P	Dec. 2018 ^P	Percent change from: Nov. 2018 - Dec. 2018 ^P
Residential mental health and substance abuse facilities.....	62322	154.4	159.0	163.2	-	-	226.0	249.8	255.9	-	-
Community care facilities for the elderly.....	6233	167.6	170.3	172.0	-	-	237.4	246.7	252.1	-	-
Continuing care retirement communities.....	623311	206.5	204.7	206.6	-	-	294.4	299.5	306.3	-	-
Assisted living facilities for the elderly.....	623312	135.7	142.1	143.2	-	-	185.5	198.9	202.1	-	-
Other residential care facilities.....	6239	99.4	99.9	99.6	-	-	133.6	138.9	138.2	-	-
Social assistance.....	624	167.6	170.9	170.5	-	-	232.1	244.4	244.4	-	-
Individual and family services.....	6241	225.3	231.4	230.7	-	-	301.5	320.7	321.0	-	-
Child and youth services.....	62411	132.1	141.0	141.6	-	-	189.8	208.0	211.6	-	-
Services for the elderly and persons with disabilities.....	62412	288.1	294.8	293.2	-	-	393.6	420.1	418.2	-	-
Other individual and family services.....	62419	143.8	147.1	147.7	-	-	211.4	220.1	222.1	-	-
Emergency and other relief services.....	6242	144.1	144.6	147.0	-	-	216.3	221.7	224.3	-	-
Vocational rehabilitation services.....	6243	95.7	94.6	95.5	-	-	131.4	131.0	131.5	-	-
Child day care services.....	6244	130.4	131.5	130.1	-	-	182.0	189.9	188.7	-	-
Leisure and hospitality.....		125.6	130.3	127.2	128.5	1.0	195.4	208.3	203.6	209.4	2.8
Arts, entertainment, and recreation.....	71	104.2	113.1	105.2	-	-	156.9	173.5	165.0	-	-
Performing arts and spectator sports.....	711	118.9	134.9	127.5	-	-	198.6	227.9	220.6	-	-
Performing arts companies.....	7111	119.4	124.3	123.4	-	-	228.8	246.8	255.5	-	-
Spectator sports.....	7112	83.6	111.1	97.7	-	-	133.8	167.2	147.4	-	-
Arts and sports promoters and agents and managers for public figures.....	7113,4	173.4	191.3	182.9	-	-	252.2	309.0	297.6	-	-
Independent artists, writers, and performers.....	7115	140.0	142.0	142.0	-	-	261.6	256.0	265.4	-	-
Museums, historical sites, and similar institutions.....	712	126.9	143.6	135.2	-	-	180.4	204.4	194.7	-	-
Museums.....	71211	116.0	123.5	118.5	-	-	159.3	172.6	165.2	-	-
Historical sites and other similar institutions.....	71212,3,9	144.8	176.5	162.3	-	-	224.6	270.9	255.6	-	-
Amusements, gambling, and recreation.....	713	98.0	104.6	96.3	-	-	136.9	148.2	138.6	-	-
Gambling industries.....	7132	87.3	87.2	85.8	-	-	142.4	142.0	138.9	-	-
Golf courses and country clubs.....	71391	92.7	121.2	104.4	-	-	139.0	176.3	157.9	-	-
Skiing facilities.....	71392	212.8	73.3	111.0	-	-	327.2	140.6	198.4	-	-
Marinas.....	71393	100.5	121.9	108.5	-	-	159.6	202.9	181.5	-	-
Fitness and recreational sports centers.....	71394	101.5	102.2	98.2	-	-	126.8	128.7	123.9	-	-
Bowling centers.....	71395	77.6	75.0	78.3	-	-	105.5	107.8	110.9	-	-
Accommodation and food services.....	72	129.0	133.2	131.0	-	-	204.2	216.6	213.0	-	-
Accommodation.....	721	105.2	112.2	106.6	-	-	155.4	168.2	160.4	-	-
Traveler accommodation.....	7211	105.1	111.4	106.5	-	-	155.5	167.3	160.2	-	-
Hotels and motels, except casino hotels.....	72111	108.4	114.0	108.5	-	-	162.8	173.8	165.5	-	-
RV parks and recreational camps.....	7212	102.4	145.9	109.0	-	-	145.5	207.3	169.3	-	-
Food services and drinking places.....	722	135.0	138.5	136.7	-	-	219.8	231.9	228.8	-	-
Special food services.....	7223	144.1	155.9	149.7	-	-	211.3	238.2	226.5	-	-
Food service contractors.....	72231	143.5	157.3	152.0	-	-	201.9	233.0	222.9	-	-
Caterers and mobile food services.....	72232,3	146.2	151.2	141.9	-	-	246.1	256.8	239.6	-	-
Drinking places, alcoholic beverages.....	7224	99.8	103.6	102.4	-	-	191.7	211.2	207.8	-	-
Restaurants and other eating places.....	7225	135.7	138.9	137.3	-	-	221.3	232.1	230.0	-	-
Full-service restaurants.....	722511	130.6	133.2	131.4	-	-	224.8	234.0	230.5	-	-
Limited-service restaurants.....	722513	139.7	142.7	142.4	-	-	213.7	224.7	225.5	-	-
Cafeterias, grill buffets, and buffets.....	722514	77.2	81.0	80.5	-	-	105.3	122.0	121.8	-	-
Snack and nonalcoholic beverage bars.....	722515	201.3	210.4	205.1	-	-	308.1	336.8	329.6	-	-
Other services.....	81	103.6	105.6	105.4	105.6	0.2	154.2	159.6	159.3	161.3	1.3
Repair and maintenance.....	811	107.7	109.5	109.0	-	-	156.5	164.8	163.8	-	-
Automotive repair and maintenance.....	8111	105.7	105.2	105.3	-	-	153.7	156.3	157.2	-	-
Automotive mechanical and electrical repair.....	81111	100.8	100.2	101.4	-	-	142.1	143.5	143.9	-	-
General automotive repair.....	811111	115.0	115.0	115.9	-	-	159.7	163.1	162.9	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9b. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, not seasonally adjusted¹ — Continued

[2002=100]

Industry	2017 NAICS code	Index of aggregate weekly hours ²					Index of aggregate weekly payrolls ³				
		Dec. 2017	Oct. 2018	Nov. 2018 ^p	Dec. 2018 ^p	Percent change from: Nov. 2018 - Dec. 2018 ^p	Dec. 2017	Oct. 2018	Nov. 2018 ^p	Dec. 2018 ^p	Percent change from: Nov. 2018 - Dec. 2018 ^p
Automotive body, interior, and glass repair.....	81112	106.5	107.2	108.1	-	-	161.8	162.3	165.1	-	-
Other automotive repair and maintenance.....	81119	113.8	112.6	108.6	-	-	169.6	182.2	178.6	-	-
Car washes.....	811192	122.5	125.5	118.7	-	-	180.7	197.3	194.1	-	-
Auto oil change shops and all other auto repair and maintenance.....	811191,8	102.0	94.5	94.7	-	-	156.7	164.2	160.4	-	-
Electronic equipment repair and maintenance.....	8112	96.6	98.0	97.2	-	-	136.9	144.7	144.0	-	-
Computer and office machine repair.....	811212	90.8	100.1	98.8	-	-	118.2	131.9	132.5	-	-
Miscellaneous electronic equipment repair and maintenance.....	811211,3,9	101.5	96.2	96.1	-	-	152.0	154.7	153.6	-	-
Commercial machinery repair and maintenance.....	8113	136.0	151.3	147.3	-	-	198.8	236.6	226.7	-	-
Household goods repair and maintenance.....	8114	89.4	88.5	88.4	-	-	118.1	116.1	114.0	-	-
Personal and laundry services.....	812	109.1	113.8	112.9	-	-	157.0	164.0	162.7	-	-
Personal care services.....	8121	129.5	132.9	132.6	-	-	194.5	195.3	195.1	-	-
Hair, nail, and skin care services.....	81211	120.5	125.1	124.4	-	-	177.2	176.1	177.1	-	-
Other personal care services.....	81219	199.3	195.2	194.2	-	-	338.6	360.0	344.6	-	-
Death care services.....	8122	87.2	95.4	87.3	-	-	134.9	140.9	129.9	-	-
Drycleaning and laundry services.....	8123	81.3	80.9	81.6	-	-	109.6	113.8	113.6	-	-
Coin-operated laundries and drycleaners.....	81231	77.9	68.7	75.5	-	-	89.1	85.6	93.0	-	-
Drycleaning and laundry services, except coin-operated.....	81232	62.8	61.8	61.4	-	-	87.1	90.9	91.2	-	-
Linen and uniform supply.....	81233	106.3	108.9	109.5	-	-	136.8	142.9	140.4	-	-
Other personal services.....	8129	129.9	146.0	145.4	-	-	171.1	197.5	199.0	-	-
Pet care services, except veterinary.....	81291	348.9	391.5	400.7	-	-	395.5	456.2	480.7	-	-
Parking lots and garages.....	81293	130.4	137.4	138.9	-	-	188.5	198.7	194.0	-	-
Membership associations and organizations.....	813	99.2	100.2	100.2	-	-	152.3	155.9	156.0	-	-
Grantmaking and giving services.....	8132	143.6	147.9	149.9	-	-	263.9	287.7	290.2	-	-
Grantmaking foundations.....	813211	251.1	257.7	260.5	-	-	450.9	484.0	490.0	-	-
Social advocacy organizations.....	8133	124.6	127.1	126.9	-	-	222.6	234.5	232.8	-	-
Human rights organizations.....	813311	110.4	110.3	110.6	-	-	195.7	202.9	201.5	-	-
Environment, conservation, and other social advocacy organizations.....	813312,9	129.0	132.3	131.9	-	-	232.0	245.5	243.7	-	-
Civic and social organizations.....	8134	79.5	78.2	78.6	-	-	120.5	121.4	123.7	-	-
Professional and similar organizations.....	8139	101.5	107.6	107.4	-	-	158.3	168.8	168.7	-	-
Business associations.....	81391	95.6	96.1	95.2	-	-	155.4	157.5	159.5	-	-
Professional organizations.....	81392	151.4	150.5	152.8	-	-	233.2	231.0	235.0	-	-
Labor unions and similar labor organizations.....	81393	87.9	92.4	94.3	-	-	132.9	144.3	142.6	-	-
Miscellaneous professional and similar organizations.....	81394,9	98.0	112.0	109.6	-	-	156.1	181.8	180.2	-	-

¹ Data relate to production employees in mining and logging and manufacturing, construction employees in construction, and nonsupervisory employees in the service-providing industries. These groups account for approximately four-fifths of the total employment on private nonfarm payrolls.

² The indexes of aggregate weekly hours are calculated by dividing the current month's estimates of aggregate hours by the corresponding 2002 annual average aggregate hours. Aggregate hours estimates are the product of estimates of average weekly hours and employment.

³ The indexes of aggregate weekly payrolls are calculated by dividing the current month's estimates of aggregate weekly payrolls by the corresponding 2002 annual average aggregate weekly payrolls. Aggregate payrolls estimates are the product of estimates of average hourly earnings, average weekly hours, and employment.

⁴ Includes motor vehicles, motor vehicle bodies and trailers, and motor vehicle parts.

⁵ Includes ambulatory health care services, hospitals, and nursing and residential care facilities.

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