

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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.....		116.3	117.8	117.9	118.3	0.3	173.3	180.1	181.0	182.2	0.7
Goods-producing.....		92.4	94.5	94.3	95.5	1.3	133.1	140.0	140.1	142.5	1.7
Mining and logging.....		127.8	138.5	136.3	139.3	2.2	206.5	232.3	229.5	234.0	2.0
Logging ⁴	1133	75.0	71.9	68.5	-	-	104.3	103.6	98.2	-	-
Mining ⁴	21	135.4	148.0	145.5	-	-	218.8	247.9	244.4	-	-
Oil and gas extraction ⁴	211	117.2	137.6	141.5	-	-	214.6	260.6	269.4	-	-
Mining, except oil and gas ⁴	212	86.4	90.0	89.2	-	-	123.5	130.6	129.3	-	-
Coal mining ⁴	2121	71.2	76.2	77.4	-	-	105.8	114.6	116.2	-	-
Stone mining and quarrying ⁴	21231	87.4	88.1	86.2	-	-	127.3	137.1	133.1	-	-
Crushed and broken limestone mining ⁴	212312	80.0	83.8	82.1	-	-	120.4	129.1	123.5	-	-
Other stone mining and quarrying ⁴	212311,3,9	96.2	93.8	92.3	-	-	134.1	147.4	146.2	-	-
Support activities for mining ⁴	213	197.0	218.7	212.1	-	-	348.6	402.0	391.2	-	-
Support activities for oil and gas operations ⁴	213112	224.4	252.2	245.5	-	-	437.8	515.2	507.5	-	-
Construction.....	23	106.0	107.8	106.8	109.9	2.9	155.3	163.3	162.3	167.7	3.3
Construction of buildings ⁴	236	93.9	96.0	96.2	-	-	142.0	151.4	152.3	-	-
Residential building ⁴	2361	86.8	89.2	88.4	-	-	126.5	138.9	138.1	-	-
New single-family general contractors ⁴	236115	65.2	64.4	64.0	-	-	96.1	103.6	102.3	-	-
Residential remodelers ⁴	236118	125.4	138.2	137.8	-	-	172.4	200.2	204.3	-	-
Nonresidential building ⁴	2362	101.1	102.8	103.0	-	-	155.1	162.0	162.6	-	-
Industrial building ⁴	23621	93.0	101.4	100.9	-	-	143.9	167.1	167.8	-	-
Commercial building ⁴	23622	104.1	103.5	103.9	-	-	159.1	160.4	161.0	-	-
Heavy and civil engineering construction ⁴	237	108.2	111.7	110.2	-	-	173.7	186.5	185.3	-	-
Utility system construction ⁴	2371	135.8	145.2	143.7	-	-	228.5	257.5	255.5	-	-
Water and sewer system construction ⁴	23711	108.7	105.5	102.9	-	-	164.3	163.8	160.2	-	-
Oil and gas pipeline construction ⁴	23712	169.4	204.1	223.3	-	-	326.2	389.1	425.0	-	-
Power and communication system construction ⁴	23713	148.7	158.8	147.1	-	-	252.9	303.7	280.7	-	-
Highway, street, and bridge construction ⁴	2373	95.0	94.2	91.1	-	-	135.9	142.1	138.2	-	-
Specialty trade contractors ⁴	238	109.4	110.6	109.2	-	-	154.6	161.1	159.7	-	-
Building foundation and exterior contractors ⁴	2381	102.3	96.9	95.2	-	-	141.4	138.8	136.9	-	-
Poured concrete structure contractors ⁴	23811	126.7	123.0	120.6	-	-	188.2	191.3	189.1	-	-
Steel and precast concrete contractors ⁴	23812	90.9	90.2	92.2	-	-	121.4	116.7	122.9	-	-
Framing contractors ⁴	23813	74.0	64.3	63.8	-	-	92.9	85.5	85.2	-	-
Masonry contractors ⁴	23814	70.2	64.6	63.2	-	-	95.9	90.8	88.9	-	-
Glass and glazing contractors ⁴	23815	131.5	121.5	118.7	-	-	175.0	182.2	178.7	-	-
Roofing contractors ⁴	23816	119.3	114.1	111.4	-	-	172.0	169.0	163.7	-	-
Siding contractors ⁴	23817	112.2	117.9	115.4	-	-	184.8	215.6	215.2	-	-
Other building exterior contractors ⁴	23819	137.7	148.4	141.8	-	-	189.2	201.9	189.0	-	-
Building equipment contractors ⁴	2382	114.8	119.9	119.0	-	-	159.9	171.2	170.1	-	-
Electrical contractors ⁴	23821	102.0	107.4	105.1	-	-	143.4	155.2	151.0	-	-
Plumbing and HVAC contractors ⁴	23822	127.1	131.4	131.2	-	-	176.4	186.9	187.7	-	-
Other building equipment contractors ⁴	23829	132.1	137.2	138.0	-	-	179.1	192.1	191.5	-	-
Building finishing contractors ⁴	2383	94.1	95.8	95.3	-	-	137.7	143.3	143.2	-	-
Drywall and insulation contractors ⁴	23831	81.6	83.9	83.0	-	-	124.1	128.7	127.2	-	-
Painting and wall covering contractors ⁴	23832	96.5	92.0	90.8	-	-	130.9	136.3	134.7	-	-
Flooring contractors ⁴	23833	93.0	100.9	98.8	-	-	142.9	141.8	145.8	-	-
Tile and terrazzo contractors ⁴	23834	119.6	120.1	118.1	-	-	211.5	197.3	194.7	-	-
Finish carpentry contractors ⁴	23835	104.9	111.5	112.5	-	-	148.5	172.5	171.1	-	-
Other building finishing contractors ⁴	23839	111.8	118.5	120.0	-	-	155.6	164.8	168.7	-	-
Other specialty trade contractors ⁴	2389	125.6	122.7	123.5	-	-	181.1	182.9	186.5	-	-
Site preparation contractors ⁴	23891	127.7	123.4	121.9	-	-	183.1	182.1	183.9	-	-
All other specialty trade contractors ⁴	23899	121.7	122.4	125.3	-	-	175.4	184.4	188.8	-	-
Manufacturing.....		84.7	86.5	86.6	87.0	0.5	117.4	122.6	123.3	124.0	0.6
Durable goods.....		85.2	87.8	87.8	88.6	0.9	118.1	124.0	124.6	126.0	1.1
Wood products.....	321	73.0	74.4	73.8	74.6	1.1	105.1	108.3	107.3	109.0	1.6

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Sawmills and wood preservation ⁴	3211	74.4	75.1	74.0	—	—	101.9	103.8	101.5	—	—
Plywood and engineered wood products ⁴	3212	65.5	67.8	65.4	—	—	98.1	102.9	100.2	—	—
Other wood products ⁴	3219	75.5	77.0	76.1	—	—	109.9	113.2	111.7	—	—
Millwork ⁴	32191	67.0	71.9	69.0	—	—	94.8	103.7	99.1	—	—
Wood windows and doors ⁴	321911	71.1	71.6	69.2	—	—	107.7	110.5	105.1	—	—
Cut stock, resawing lumber, planing, and other millwork, including flooring ⁴	321912,8	62.8	71.8	68.8	—	—	82.5	96.8	93.3	—	—
Wood containers and pallets ⁴	32192	109.0	106.9	111.0	—	—	168.7	174.3	181.2	—	—
All other wood products ⁴	32199	66.7	65.3	65.6	—	—	100.2	95.3	95.9	—	—
Nonmetallic mineral products.....	327	80.3	83.0	82.0	84.8	3.4	107.8	116.6	116.5	121.2	4.0
Cement and concrete products ⁴	3273	89.4	88.1	88.0	—	—	120.2	126.4	128.0	—	—
Ready-mix concrete ⁴	32732	87.0	85.4	85.3	—	—	120.2	130.2	132.2	—	—
Other cement and concrete products ⁴	32731,3,9	91.3	91.6	91.1	—	—	119.7	121.3	122.2	—	—
Primary metals.....	331	77.5	78.6	79.4	80.3	1.1	102.1	105.4	106.9	108.3	1.3
Foundries ⁴	3315	63.8	69.1	69.4	—	—	84.5	94.1	94.4	—	—
Fabricated metal products.....	332	96.9	100.2	100.7	101.3	0.6	134.6	141.1	142.5	143.8	0.9
Forging and stamping ⁴	3321	95.6	97.6	97.5	—	—	129.0	129.1	129.7	—	—
Architectural and structural metals ⁴	3323	96.9	100.2	101.1	—	—	134.1	143.8	146.1	—	—
Plate work and fabricated structural products ⁴	33231	92.8	99.7	101.9	—	—	132.8	145.9	150.2	—	—
Fabricated structural metal products ⁴	332312	94.3	103.0	104.0	—	—	134.8	151.7	152.7	—	—
Ornamental and architectural metal products ⁴	33232	100.5	100.6	100.7	—	—	135.9	142.0	143.6	—	—
Sheet metal work ⁴	332322	117.6	117.6	118.2	—	—	156.8	163.0	165.7	—	—
Boilers, tanks, and shipping containers ⁴	3324	101.5	97.5	97.7	—	—	138.0	133.2	134.4	—	—
Machine shops and threaded products ⁴	3327	120.4	126.1	126.1	—	—	166.4	179.0	179.2	—	—
Machine shops ⁴	33271	131.5	139.9	139.8	—	—	180.5	198.5	199.3	—	—
Turned products and screws, nuts, and bolts ⁴	33272	92.1	91.8	89.7	—	—	129.2	127.0	123.8	—	—
Coating, engraving, and heat treating metals ⁴	3328	98.4	102.6	104.1	—	—	134.2	142.9	146.3	—	—
Metal heat treating and coating and nonprecious engraving ⁴	332811,2	118.1	127.2	133.6	—	—	153.0	173.6	185.9	—	—
Electroplating, anodizing, and coloring metals ⁴	332813	82.3	81.3	79.5	—	—	118.0	115.3	111.8	—	—
Other fabricated metal products ⁴	3329	95.6	98.0	98.0	—	—	136.5	136.5	138.4	—	—
Metal valves ⁴	33291	85.7	86.5	84.6	—	—	127.4	129.7	130.6	—	—
All other fabricated metal products ⁴	33299	100.7	104.3	104.8	—	—	141.6	140.8	141.9	—	—
Machinery.....	333	94.3	97.5	97.8	98.5	0.7	135.3	142.2	143.4	144.0	0.4
Agricultural, construction, and mining machinery ⁴	3331	129.0	138.8	138.3	—	—	199.8	215.3	215.6	—	—
Farm machinery and equipment ⁴	333111	93.5	100.4	100.8	—	—	139.6	156.1	156.2	—	—
Industrial machinery ⁴	3332	88.9	88.8	88.7	—	—	125.0	133.3	133.1	—	—
Commercial and service industry machinery ⁴	3333	75.7	81.4	83.2	—	—	117.1	124.8	129.0	—	—
HVAC and commercial refrigeration equipment ⁴	3334	80.9	81.8	83.7	—	—	117.6	124.0	127.6	—	—
Metalworking machinery ⁴	3335	86.0	86.8	87.5	—	—	113.8	117.7	118.1	—	—
Special tools, dies, jigs, and fixtures ⁴	333514	74.8	73.1	73.2	—	—	102.2	102.5	101.5	—	—
Turbine and power transmission equipment ⁴	3336	81.2	80.3	81.1	—	—	111.7	112.5	113.6	—	—
Other general purpose machinery ⁴	3339	100.5	103.0	102.6	—	—	146.5	150.6	150.9	—	—
Computer and electronic products.....	334	84.6	86.3	86.0	86.8	0.9	129.0	134.3	134.0	135.6	1.2
Communications equipment ⁴	3342	62.8	57.2	56.5	—	—	80.3	76.1	75.2	—	—
Semiconductors and electronic components ⁴	3344	70.9	71.1	71.3	—	—	101.4	103.1	103.4	—	—
Semiconductors and related devices ⁴	334413	75.9	72.2	74.0	—	—	124.8	111.8	115.3	—	—
Electronic connectors and misc. electronic components ⁴	334416,7,9	64.1	68.8	68.7	—	—	90.7	101.7	101.9	—	—
Electronic instruments ⁴	3345	126.7	132.5	132.6	—	—	216.3	231.3	231.6	—	—
Electrical equipment and appliances.....	335	76.8	79.9	79.6	80.1	0.6	109.8	117.8	117.2	119.4	1.9
Electrical equipment ⁴	3353	79.7	83.0	83.0	—	—	114.5	120.5	119.6	—	—
Other electrical equipment and components ⁴	3359	92.9	95.5	95.6	—	—	134.0	143.1	141.6	—	—
Transportation equipment.....	336	90.1	93.5	93.6	94.5	1.0	112.9	119.9	120.7	122.2	1.2
Motor vehicles and parts ⁵	3361,2,3	82.6	85.5	85.3	85.3	0.0	87.0	92.4	92.8	92.7	-0.1
Motor vehicles ⁴	3361	79.1	83.6	85.5	—	—	85.9	91.6	94.5	—	—
Motor vehicle bodies and trailers ⁴	3362	112.8	117.0	113.3	—	—	135.6	147.6	142.4	—	—
Motor vehicle parts ⁴	3363	78.6	80.3	79.9	—	—	81.2	84.9	85.3	—	—

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Motor vehicle gasoline engine and parts ⁴	33631	69.1	68.1	69.5	-	-	78.8	75.0	78.0	-	-
Motor vehicle power train components ⁴	33635	71.9	69.8	69.5	-	-	69.2	70.8	71.3	-	-
Motor vehicle metal stamping ⁴	33637	95.4	92.6	92.7	-	-	93.8	97.0	100.1	-	-
All other motor vehicle parts ⁴	33639	94.5	99.1	98.7	-	-	108.7	113.8	114.7	-	-
Aerospace products and parts ⁴	3364	123.8	132.0	134.1	-	-	212.8	225.7	228.6	-	-
Aircraft ⁴	336411	116.1	133.5	134.7	-	-	186.4	213.9	215.6	-	-
Furniture and related products.....	337	60.1	62.1	62.0	62.0	0.0	84.3	88.1	87.7	88.7	1.1
Household and institutional furniture ⁴	3371	57.8	59.9	60.0	-	-	82.2	85.6	85.4	-	-
Wood kitchen cabinets and countertops ⁴	33711	76.6	80.5	80.5	-	-	107.9	112.6	111.3	-	-
Other household and institutional furniture ⁴	33712	46.6	48.2	48.1	-	-	65.8	68.8	68.9	-	-
Upholstered household furniture ⁴	337121	64.3	67.6	65.9	-	-	88.0	93.1	90.3	-	-
Miscellaneous durable goods manufacturing.....	339	81.3	83.1	82.9	82.9	0.0	121.8	122.8	123.5	122.5	-0.8
Medical equipment and supplies ⁴	3391	100.8	101.8	100.8	-	-	156.0	151.5	150.8	-	-
Surgical appliances and supplies ⁴	339113	110.2	112.9	111.2	-	-	149.8	151.9	150.3	-	-
Dental laboratories ⁴	339116	75.5	75.4	77.2	-	-	117.3	117.6	119.9	-	-
Other miscellaneous durable goods manufacturing ⁴ ...	3399	67.1	69.3	70.2	-	-	94.6	99.3	102.2	-	-
Signs ⁴	33995	97.4	93.2	98.9	-	-	134.6	129.9	139.5	-	-
All other miscellaneous durable goods manufacturing ⁴	33993,4,9	69.9	70.7	71.4	-	-	103.5	107.0	109.7	-	-
Nondurable goods.....		83.8	84.1	84.4	84.4	0.0	116.1	119.7	120.4	120.4	0.0
Food manufacturing.....	311	111.0	112.7	113.8	113.4	-0.4	151.9	158.8	161.2	161.0	-0.1
Sugar and confectionery products ⁴	3113	79.8	78.2	79.2	-	-	95.0	109.5	111.9	-	-
Fruit and vegetable preserving and specialty ⁴	3114	108.4	103.9	102.5	-	-	138.0	139.2	134.6	-	-
Frozen food ⁴	31141	105.0	101.6	102.3	-	-	137.7	137.4	135.6	-	-
Fruit and vegetable canning and drying ⁴	31142	112.8	107.9	103.3	-	-	138.6	143.1	135.4	-	-
Dairy products ⁴	3115	107.9	115.1	116.4	-	-	156.3	166.0	168.8	-	-
Animal slaughtering and processing ⁴	3116	107.2	106.0	107.8	-	-	150.1	152.2	155.2	-	-
Poultry processing ⁴	311615	104.9	106.6	107.5	-	-	145.8	152.6	154.4	-	-
Seafood product preparation and packaging ⁴	3117	112.7	125.3	125.5	-	-	147.1	166.5	168.6	-	-
Bakeries and tortilla manufacturing ⁴	3118	101.5	106.9	109.0	-	-	140.5	148.3	151.0	-	-
Textile mills.....	313	36.3	38.2	39.6	38.3	-3.3	50.0	54.2	55.4	53.7	-3.1
Textile product mills.....	314	53.2	49.5	48.9	49.4	1.0	72.9	70.1	69.2	69.8	0.9
Apparel.....	315	30.2	27.9	27.7	27.6	-0.4	49.5	47.5	47.3	47.6	0.6
Paper and paper products.....	322	68.4	68.6	68.2	68.7	0.7	88.1	89.7	89.5	89.4	-0.1
Pulp, paper, and paperboard mills ⁴	3221	63.5	62.6	62.9	-	-	77.7	74.7	76.2	-	-
Converted paper products ⁴	3222	70.4	71.4	70.4	-	-	95.3	100.1	98.5	-	-
Paperboard containers ⁴	32221	74.4	75.1	73.5	-	-	98.9	104.6	102.1	-	-
Corrugated and solid fiber boxes ⁴	322211	74.4	77.1	76.0	-	-	99.6	105.3	103.5	-	-
Paper bags and coated and treated paper ⁴	32222	65.1	63.6	64.2	-	-	83.5	84.0	84.6	-	-
Printing and related support activities.....	323	63.1	60.7	60.3	59.7	-1.0	79.1	76.4	76.3	75.6	-0.9
Petroleum and coal products.....	324	107.0	107.0	101.2	99.1	-2.1	181.2	194.5	181.9	173.6	-4.6
Chemicals.....	325	98.1	102.9	103.8	103.6	-0.2	137.8	144.9	147.6	147.4	-0.1
Basic chemicals ⁴	3251	78.6	86.4	86.5	-	-	107.7	112.1	113.3	-	-
Resin, rubber, and artificial fibers ⁴	3252	78.8	78.2	80.1	-	-	114.1	132.7	138.8	-	-
Pharmaceuticals and medicines ⁴	3254	137.0	150.1	148.8	-	-	212.1	226.1	224.9	-	-
Soaps, cleaning compounds, and toiletries ⁴	3256	91.3	91.2	91.9	-	-	120.7	128.9	131.5	-	-
Plastics and rubber products.....	326	86.5	85.0	85.4	86.3	1.1	114.2	117.3	118.1	119.9	1.5
Plastics products ⁴	3261	89.9	88.4	89.0	-	-	125.0	128.1	129.8	-	-
Plastics packaging materials, film, and sheet ⁴	32611	103.9	104.0	105.4	-	-	139.5	151.4	154.8	-	-
Foam products ⁴	32614,5	115.6	106.6	107.3	-	-	157.5	153.4	155.6	-	-
Other plastics products ⁴	32619	82.4	82.8	82.9	-	-	118.3	121.2	121.0	-	-
Rubber products ⁴	3262	74.8	72.7	73.1	-	-	84.8	86.3	86.6	-	-
Miscellaneous nondurable goods manufacturing.....	312,6	103.5	99.7	99.1	100.4	1.3	129.1	125.9	124.7	126.6	1.5
Private service-providing.....		122.6	124.1	124.3	124.5	0.2	185.4	192.4	193.3	194.5	0.6
Trade, transportation, and utilities.....		110.5	111.3	111.6	111.4	-0.2	153.9	159.9	160.8	161.5	0.4
Wholesale trade.....	42	110.0	110.2	110.8	110.8	0.0	160.7	165.9	167.0	168.5	0.9

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Durable goods ⁴	423	104.3	105.4	106.0	-	-	148.1	153.7	155.1	-	-
Motor vehicles and parts ⁴	4231	100.8	99.5	101.4	-	-	136.0	138.8	142.7	-	-
Motor vehicles ⁴	42311	101.9	104.1	106.9	-	-	141.9	160.3	165.7	-	-
New motor vehicle parts ⁴	42312	96.2	91.8	93.1	-	-	125.7	120.6	123.8	-	-
Furniture and furnishings ⁴	4232	104.1	103.1	101.2	-	-	143.4	145.4	142.0	-	-
Lumber and construction supplies ⁴	4233	103.7	103.9	102.1	-	-	156.6	162.3	160.2	-	-
Lumber and wood ⁴	42331	89.6	89.6	87.1	-	-	139.3	146.2	144.1	-	-
Commercial equipment ⁴	4234	95.5	96.8	97.2	-	-	134.5	137.7	138.8	-	-
Office equipment ⁴	42342	70.4	66.4	66.6	-	-	103.0	95.7	98.1	-	-
Computer and software ⁴	42343	80.9	83.8	84.5	-	-	106.4	111.8	113.9	-	-
Medical equipment ⁴	42345	133.8	131.3	131.6	-	-	211.4	211.5	207.9	-	-
Miscellaneous professional and commercial equipment ⁴	42341,4,6,9	111.2	120.2	120.1	-	-	174.9	189.8	187.6	-	-
Metals and minerals ⁴	4235	104.4	106.3	107.2	-	-	146.1	151.2	152.9	-	-
Electric goods ⁴	4236	96.4	95.5	95.6	-	-	135.2	140.5	140.4	-	-
Electrical equipment and wiring ⁴	42361	106.9	105.3	105.2	-	-	146.6	145.0	148.7	-	-
Electric appliances and other electronic parts ⁴	42362,9	87.4	87.2	87.5	-	-	126.5	135.6	134.9	-	-
Hardware and plumbing ⁴	4237	115.5	122.5	122.0	-	-	174.5	191.2	192.3	-	-
Hardware ⁴	42371	109.1	117.0	117.1	-	-	172.7	181.9	185.0	-	-
Plumbing equipment ⁴	42372	121.7	132.0	131.8	-	-	195.1	224.3	228.1	-	-
HVAC and refrigeration equipment ⁴	42373,4	115.5	116.9	114.8	-	-	158.2	165.2	162.6	-	-
Machinery and supplies ⁴	4238	108.2	109.5	110.5	-	-	158.0	164.8	166.4	-	-
Construction equipment ⁴	42381	115.7	118.8	117.0	-	-	168.4	176.6	173.3	-	-
Farm and garden equipment ⁴	42382	109.5	106.5	108.0	-	-	179.1	179.0	183.7	-	-
Industrial machinery ⁴	42383	102.7	104.6	106.1	-	-	147.4	152.8	155.4	-	-
Industrial supplies ⁴	42384	136.2	132.9	134.4	-	-	207.6	207.6	211.0	-	-
Miscellaneous durable goods ⁴	4239	121.7	124.3	124.4	-	-	176.9	186.4	185.9	-	-
Sporting goods ⁴	42391	115.2	116.4	116.6	-	-	167.9	181.6	181.5	-	-
Recyclable materials ⁴	42393	124.6	130.6	133.2	-	-	175.3	193.3	196.8	-	-
Nondurable goods ⁴	424	105.7	105.1	105.7	-	-	151.6	157.4	159.2	-	-
Paper and paper products ⁴	4241	85.4	84.9	84.3	-	-	127.9	129.0	128.4	-	-
Druggists' goods ⁴	4242	91.2	95.0	93.8	-	-	135.0	153.1	152.7	-	-
Apparel and piece goods ⁴	4243	97.5	93.9	93.6	-	-	142.3	136.0	137.5	-	-
Grocery and related products ⁴	4244	115.2	114.0	115.5	-	-	158.4	164.0	167.0	-	-
General line grocery ⁴	42441	112.1	110.9	111.3	-	-	147.2	145.7	145.5	-	-
Fruits and vegetables ⁴	42448	149.7	151.5	153.7	-	-	207.1	220.5	225.0	-	-
Farm product raw materials ⁴	4245	104.2	98.2	103.9	-	-	164.3	161.2	169.2	-	-
Chemicals ⁴	4246	104.1	112.7	114.4	-	-	148.6	171.6	175.4	-	-
Petroleum ⁴	4247	102.6	95.1	96.0	-	-	154.3	144.9	146.4	-	-
Alcoholic beverages ⁴	4248	150.1	150.6	154.9	-	-	204.8	210.6	214.5	-	-
Misc. nondurable goods ⁴	4249	92.0	88.9	88.5	-	-	137.7	140.1	139.9	-	-
Farm supplies ⁴	42491	116.4	115.8	116.0	-	-	178.5	184.9	185.8	-	-
Nursery stock and florists' supplies ⁴	42493	76.5	71.2	70.5	-	-	110.8	105.6	106.3	-	-
Electronic markets and agents and brokers ⁴	425	154.9	154.0	153.6	-	-	241.2	242.7	242.4	-	-
Retail trade.....		104.1	104.5	104.3	104.0	-0.3	138.5	144.1	144.2	144.8	0.4
Motor vehicle and parts dealers ⁴	441	113.5	115.0	114.9	-	-	140.7	149.5	149.1	-	-
Automobile dealers ⁴	4411	114.1	114.3	114.2	-	-	135.4	144.3	143.5	-	-
New car dealers ⁴	44111	108.2	108.5	108.7	-	-	129.0	137.6	136.5	-	-
Used car dealers ⁴	44112	187.8	187.2	184.2	-	-	246.1	262.3	264.6	-	-
Other motor vehicle dealers ⁴	4412	113.0	113.4	112.4	-	-	160.5	168.5	165.3	-	-
Auto parts, accessories, and tire stores ⁴	4413	113.0	117.3	116.9	-	-	154.7	163.5	164.3	-	-
Automotive parts and accessories stores ⁴	44131	109.1	113.3	112.5	-	-	156.2	165.1	164.8	-	-
Tire dealers ⁴	44132	120.1	124.0	125.3	-	-	151.7	159.3	162.8	-	-
Furniture and home furnishings stores ⁴	442	90.8	91.0	91.4	-	-	127.7	129.3	130.6	-	-
Furniture stores ⁴	4421	89.2	91.8	92.2	-	-	123.2	126.2	128.1	-	-
Home furnishings stores ⁴	4422	93.2	90.0	90.8	-	-	135.9	133.5	134.3	-	-
Floor covering stores ⁴	44221	77.8	77.5	75.5	-	-	116.3	115.1	111.7	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Other home furnishings stores ⁴	44229	104.7	100.0	103.9	-	-	156.3	154.2	160.5	-	-
Electronics and appliance stores ⁴	443	98.6	96.5	92.8	-	-	142.0	138.1	135.1	-	-
Household appliance stores ⁴	443141	60.5	65.3	65.8	-	-	81.4	95.5	97.8	-	-
Electronics stores ⁴	443142	105.7	102.4	98.2	-	-	150.6	144.8	141.0	-	-
Building material and garden supply stores ⁴	444	102.6	104.1	102.9	-	-	135.6	142.5	140.9	-	-
Building material and supplies dealers ⁴	4441	101.4	102.8	101.4	-	-	133.1	140.0	138.3	-	-
Home centers ⁴	44411	116.3	117.6	115.0	-	-	146.7	156.0	153.3	-	-
Hardware stores ⁴	44413	89.6	87.9	86.9	-	-	123.9	125.3	124.6	-	-
Lawn and garden equipment and supplies stores ⁴	4442	110.2	114.1	113.6	-	-	153.3	161.8	162.8	-	-
Food and beverage stores ⁴	445	94.1	94.8	95.6	-	-	116.6	122.4	123.7	-	-
Grocery stores ⁴	4451	95.3	95.8	95.9	-	-	118.5	124.0	124.7	-	-
Supermarkets and other grocery stores ⁴	44511	94.3	94.9	95.3	-	-	117.4	122.8	123.9	-	-
Convenience stores ⁴	44512	114.3	109.4	109.9	-	-	147.1	146.7	146.5	-	-
Specialty food stores ⁴	4452	76.6	81.2	82.2	-	-	91.8	102.1	102.6	-	-
Meat markets and fish and seafood markets ⁴	44521,2	104.8	103.8	100.8	-	-	129.7	129.2	122.1	-	-
Beer, wine, and liquor stores ⁴	4453	108.2	105.9	106.9	-	-	129.5	134.9	133.0	-	-
Health and personal care stores ⁴	446	107.9	104.5	103.4	-	-	161.2	159.4	157.9	-	-
Pharmacies and drug stores ⁴	44611	98.0	94.0	94.2	-	-	157.1	153.6	153.9	-	-
Cosmetic and beauty supply stores ⁴	44612	165.8	158.8	146.8	-	-	207.5	203.0	186.1	-	-
Optical goods stores ⁴	44613	135.5	135.8	136.0	-	-	182.2	189.5	188.4	-	-
Other health and personal care stores ⁴	44619	99.6	106.6	104.1	-	-	131.4	144.6	143.4	-	-
Gasoline stations ⁴	447	103.5	104.4	104.4	-	-	139.4	143.1	143.4	-	-
Gasoline stations with convenience stores ⁴	44711	108.4	109.2	109.0	-	-	147.5	150.5	150.5	-	-
Other gasoline stations ⁴	44719	77.9	79.5	80.0	-	-	103.5	110.1	111.4	-	-
Clothing and clothing accessories stores ⁴	448	91.0	89.2	91.0	-	-	125.2	129.7	131.6	-	-
Clothing stores ⁴	4481	91.3	88.2	90.5	-	-	121.9	124.4	126.7	-	-
Women's clothing stores ⁴	44812	106.7	98.0	103.7	-	-	130.8	123.9	129.2	-	-
Family clothing stores ⁴	44814	81.1	81.0	84.1	-	-	103.3	113.0	115.8	-	-
Clothing accessories stores ⁴	44815	129.9	121.6	121.8	-	-	198.0	192.9	189.0	-	-
Shoe stores ⁴	4482	109.9	110.9	115.1	-	-	174.8	184.3	193.8	-	-
Jewelry, luggage, and leather goods stores ⁴	4483	71.1	72.9	73.9	-	-	103.4	113.6	113.2	-	-
Sporting goods, hobby, book, and music stores ⁴	451	104.3	94.8	94.8	-	-	153.7	137.8	138.6	-	-
Sporting goods and musical instrument stores ⁴	4511	125.8	113.8	114.3	-	-	180.9	161.2	163.5	-	-
Sporting goods stores ⁴	45111	149.3	147.9	155.0	-	-	205.4	207.6	218.9	-	-
Book stores and news dealers ⁴	4512	41.7	38.3	36.0	-	-	65.3	59.7	56.4	-	-
General merchandise stores ⁴	452	119.3	119.9	119.5	-	-	156.7	170.8	172.1	-	-
Miscellaneous store retailers ⁴	453	82.6	82.0	83.2	-	-	105.6	108.8	110.8	-	-
Florists ⁴	4531	45.1	45.2	45.9	-	-	61.4	65.7	66.3	-	-
Office supplies, stationery, and gift stores ⁴	4532	49.7	49.0	50.7	-	-	62.5	62.6	65.0	-	-
Office supplies and stationery stores ⁴	45321	48.7	46.7	49.5	-	-	57.3	55.7	59.4	-	-
Gift, novelty, and souvenir stores ⁴	45322	50.8	50.6	52.4	-	-	71.2	72.7	74.3	-	-
Used merchandise stores ⁴	4533	176.4	171.5	170.0	-	-	256.3	256.6	255.2	-	-
Other miscellaneous store retailers ⁴	4539	114.8	113.4	116.0	-	-	146.1	150.3	154.4	-	-
Pet and pet supplies stores ⁴	45391	176.3	178.0	178.5	-	-	244.4	257.0	259.7	-	-
Nonstore retailers ⁴	454	123.3	127.6	130.3	-	-	175.4	179.1	184.3	-	-
Electronic shopping and mail-order houses ⁴	4541	160.8	167.4	171.3	-	-	217.9	220.6	227.0	-	-
Transportation and warehousing.....		131.4	135.3	136.5	135.8	-0.5	179.6	189.2	190.7	190.7	0.0
Air transportation ⁴	481	75.4	74.3	74.0	-	-	162.9	158.9	159.4	-	-
Truck transportation ⁴	484	118.2	119.9	119.3	-	-	162.5	171.5	169.9	-	-
General freight trucking ⁴	4841	114.1	115.4	115.5	-	-	153.1	160.1	159.2	-	-
General freight trucking, local ⁴	48411	112.1	113.7	115.2	-	-	153.9	165.1	167.6	-	-
General freight trucking, long-distance ⁴	48412	114.7	115.9	115.9	-	-	153.2	158.1	157.2	-	-
General freight trucking, long-distance TL ⁴	484121	110.2	110.5	110.6	-	-	149.4	151.5	150.7	-	-
General freight trucking, long-distance LTL ⁴	484122	126.2	129.5	129.1	-	-	162.0	172.6	171.9	-	-
Specialized freight trucking ⁴	4842	129.0	130.6	130.1	-	-	190.0	201.8	201.6	-	-
Used household and office goods moving ⁴	48421	87.7	92.1	91.6	-	-	124.0	136.7	137.0	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Other specialized trucking, local ⁴	48422	139.3	139.2	139.2	-	-	209.7	224.3	222.8	-	-
Other specialized trucking, long-distance ⁴	48423	146.8	149.0	147.1	-	-	205.4	213.9	212.0	-	-
Transit and ground passenger transportation ⁴	485	140.3	140.2	140.0	-	-	189.7	200.0	199.1	-	-
School and employee bus transportation ⁴	4854	143.5	148.3	146.9	-	-	198.7	219.0	216.7	-	-
Other ground passenger transportation ⁴	4859	202.8	212.3	212.7	-	-	257.1	278.7	276.9	-	-
Pipeline transportation ⁴	486	126.4	131.4	134.9	-	-	237.9	254.6	257.3	-	-
Support activities for transportation ⁴	488	133.8	139.2	140.1	-	-	171.7	183.9	186.1	-	-
Support activities for air transportation ⁴	4881	147.3	156.7	156.4	-	-	167.5	190.3	191.3	-	-
Airport operations ⁴	48811	152.2	158.3	161.2	-	-	148.0	163.0	166.2	-	-
Support activities for water transportation ⁴	4883	85.2	91.7	92.1	-	-	134.1	146.6	147.2	-	-
Support activities for road transportation ⁴	4884	156.3	157.1	159.9	-	-	170.0	177.9	181.6	-	-
Freight transportation arrangement ⁴	4885	139.4	143.2	143.9	-	-	198.2	205.1	206.8	-	-
Support activities for other transportation, including rail ⁴	4882,9	138.7	146.4	147.2	-	-	212.6	227.1	232.0	-	-
Couriers and messengers ⁴	492	174.0	186.7	188.6	-	-	220.7	243.1	245.2	-	-
Warehousing and storage ⁴	493	210.1	223.4	228.6	-	-	245.1	271.1	277.1	-	-
General warehousing and storage ⁴	49311	225.7	238.2	243.6	-	-	264.5	288.4	294.5	-	-
Utilities.....	22	96.7	96.7	97.1	96.6	-0.5	145.7	149.1	151.2	150.2	-0.7
Power generation and supply ⁴	2211	95.9	97.1	97.3	-	-	150.0	152.6	153.8	-	-
Electric power generation ⁴	22111	61.6	60.1	61.8	-	-	96.3	91.8	96.4	-	-
Fossil fuel electric power generation ⁴	221112	68.5	67.1	67.3	-	-	114.4	109.9	111.4	-	-
Electric power transmission and distribution ⁴	22112	150.0	155.0	150.3	-	-	245.5	258.7	251.4	-	-
Natural gas distribution ⁴	2212	94.2	89.3	90.8	-	-	132.7	138.7	145.0	-	-
Water, sewage and other systems ⁴	2213	114.2	117.7	119.8	-	-	144.0	150.0	150.6	-	-
Information.....	51	91.4	90.4	90.3	90.5	0.2	140.4	144.8	145.6	146.8	0.8
Publishing industries, except Internet ⁴	511	98.5	99.0	100.3	-	-	157.1	160.6	163.6	-	-
Newspaper, book, and directory publishers ⁴	5111	72.6	69.2	69.2	-	-	110.6	105.1	104.6	-	-
Newspaper publishers ⁴	51111	64.0	59.4	60.0	-	-	83.9	78.0	76.5	-	-
Periodical publishers ⁴	51112	91.6	89.0	86.8	-	-	154.4	149.5	144.9	-	-
Software publishers ⁴	5112	141.2	148.8	152.2	-	-	195.1	207.3	213.6	-	-
Motion picture and sound recording industries ⁴	512	92.3	94.0	89.6	-	-	104.2	111.8	105.4	-	-
Broadcasting, except Internet ⁴	515	82.6	81.7	81.2	-	-	127.6	135.4	135.4	-	-
Radio broadcasting ⁴	51511	86.4	84.8	82.2	-	-	139.8	156.3	154.6	-	-
Telecommunications ⁴	517	70.7	66.6	66.5	-	-	106.8	105.7	105.7	-	-
Wired and wireless telecommunications carriers ⁴	5173	77.1	72.5	72.2	-	-	116.5	115.6	115.3	-	-
Data processing, hosting and related services ⁴	518	115.0	115.9	115.9	-	-	199.8	216.0	220.2	-	-
Other information services ⁴	519	251.4	262.6	267.1	-	-	401.9	418.9	432.0	-	-
Financial activities.....		115.1	116.6	116.2	116.4	0.2	189.9	193.6	194.1	195.3	0.6
Credit intermediation and related activities ⁴	522	108.2	108.6	107.9	-	-	177.5	179.4	179.3	-	-
Depository credit intermediation ⁴	5221	105.4	106.3	106.3	-	-	178.8	186.1	187.5	-	-
Commercial banking ⁴	52211	111.6	112.6	111.9	-	-	193.9	202.1	202.4	-	-
Savings institutions ⁴	52212	49.8	49.4	49.5	-	-	77.3	80.7	80.1	-	-
Credit unions and other depository credit intermediation ⁴	52213,9	130.4	133.4	133.4	-	-	212.6	220.3	223.4	-	-
Nondepository credit intermediation ⁴	5222	101.2	101.8	100.9	-	-	155.6	156.2	155.9	-	-
Consumer lending ⁴	522291	109.7	106.0	106.1	-	-	143.9	141.3	142.7	-	-
Real estate credit ⁴	522292	97.5	97.9	95.4	-	-	141.5	135.8	133.1	-	-
Activities related to credit intermediation ⁴	5223	146.8	143.5	142.7	-	-	238.4	213.2	214.0	-	-
Securities, commodity contracts, investments, and funds and trusts ⁴	523,5	129.2	131.1	132.1	-	-	238.2	235.4	241.8	-	-
Securities brokerage ⁴	52312	106.7	108.3	108.5	-	-	188.1	190.8	190.8	-	-
Securities and commodity contracts brokerage and exchanges ⁴	5231,2	101.2	101.3	103.3	-	-	193.3	181.4	187.4	-	-
Other financial investment activities, including funds and trusts ⁴	5239; 525	176.9	181.1	179.3	-	-	312.4	325.3	327.7	-	-
Portfolio management ⁴	52392	174.8	170.9	172.5	-	-	326.9	328.1	331.0	-	-
Investment advice ⁴	52393	222.2	239.9	231.6	-	-	367.7	415.9	414.6	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Insurance carriers and related activities ⁴	524	118.3	117.7	117.2	-	-	182.9	184.9	185.1	-	-
Insurance carriers ⁴	5241	105.2	104.5	104.4	-	-	163.6	165.5	165.8	-	-
Direct life and health insurance carriers ⁴	52411	111.7	113.6	112.4	-	-	180.9	189.2	188.9	-	-
Direct insurers, except life and health ⁴	52412	98.2	94.8	96.6	-	-	143.8	140.3	142.1	-	-
Reinsurance carriers ⁴	52413	94.2	93.3	88.6	-	-	226.3	211.1	209.0	-	-
Insurance agencies, brokerages, and related services ⁴ ..	5242	144.2	144.0	143.0	-	-	224.9	227.0	228.2	-	-
Insurance agencies and brokerages ⁴	52421	142.8	140.4	141.3	-	-	220.4	218.6	221.5	-	-
Other insurance-related activities ⁴	52429	147.8	153.2	148.5	-	-	235.6	247.9	245.3	-	-
Third-party administration of insurance funds ⁴	524292	141.5	149.9	144.2	-	-	230.2	249.6	248.7	-	-
Real estate ⁴	531	122.8	127.3	127.2	-	-	203.7	215.3	215.8	-	-
Lessors of real estate ⁴	5311	94.8	99.6	99.3	-	-	156.5	170.0	169.1	-	-
Lessors of residential buildings ⁴	53111	90.8	93.8	92.6	-	-	143.7	153.4	150.1	-	-
Lessors of nonresidential buildings ⁴	53112	90.3	97.8	99.2	-	-	174.5	199.9	199.2	-	-
Offices of real estate agents and brokers ⁴	5312	115.4	117.6	118.4	-	-	201.9	206.0	209.6	-	-
Activities related to real estate ⁴	5313	167.7	171.8	172.0	-	-	262.8	272.9	274.3	-	-
Real estate property managers ⁴	53131	169.0	174.4	174.5	-	-	262.6	278.1	279.3	-	-
Residential property managers ⁴	531311	181.0	185.2	184.9	-	-	278.1	295.1	294.8	-	-
Nonresidential property managers ⁴	531312	142.2	149.9	150.4	-	-	233.7	247.5	251.6	-	-
Rental and leasing services ⁴	532	99.2	108.0	107.4	-	-	163.3	184.7	180.2	-	-
Home health equipment rental ⁴	532283	115.8	120.8	120.8	-	-	123.6	135.3	133.1	-	-
General rental centers ⁴	5323	63.7	58.9	58.7	-	-	64.5	62.6	62.5	-	-
Machinery and equipment rental and leasing ⁴	5324	161.8	192.8	187.4	-	-	273.9	354.3	329.5	-	-
Heavy machinery rental and leasing ⁴	53241	154.6	183.1	186.0	-	-	299.7	360.6	358.4	-	-
Office equipment and other machinery rental and leasing ⁴	53242,9	170.0	207.9	187.5	-	-	235.4	343.9	285.9	-	-
Professional and business services.....		133.7	136.8	136.6	137.3	0.5	209.2	219.4	219.8	221.7	0.9
Professional and technical services ⁴	54	144.0	148.1	148.2	-	-	228.1	239.5	240.9	-	-
Legal services ⁴	5411	102.9	103.6	103.4	-	-	156.8	166.3	167.4	-	-
Offices of lawyers ⁴	54111	101.0	101.7	101.6	-	-	154.6	164.3	165.6	-	-
Other legal services ⁴	54119	129.4	129.9	129.6	-	-	207.2	210.8	210.3	-	-
Title abstract and settlement offices ⁴	541191	112.9	114.5	114.3	-	-	158.2	164.9	165.2	-	-
Accounting and bookkeeping services ⁴	5412	117.0	121.5	120.8	-	-	186.4	198.9	197.9	-	-
Offices of certified public accountants ⁴	541211	132.0	133.5	131.9	-	-	195.3	201.5	198.9	-	-
Payroll services ⁴	541214	131.2	137.9	139.2	-	-	215.9	233.4	235.5	-	-
Architectural and engineering services ⁴	5413	116.3	118.3	118.2	-	-	184.1	190.7	190.5	-	-
Architectural services ⁴	54131	108.8	110.3	110.1	-	-	167.2	173.4	173.4	-	-
Landscape architectural services ⁴	54132	79.6	84.9	84.4	-	-	131.8	142.9	147.9	-	-
Engineering and drafting services ⁴	54133,4	120.6	122.7	123.4	-	-	191.5	197.5	198.4	-	-
Building inspection, surveying, and mapping services ⁴ ..	54135,6,7	98.9	100.6	101.3	-	-	161.7	166.8	168.1	-	-
Testing laboratories ⁴	54138	120.9	120.6	120.0	-	-	176.0	184.5	182.4	-	-
Specialized design services ⁴	5414	115.7	116.6	118.3	-	-	203.2	208.2	212.5	-	-
Graphic design services ⁴	54143	97.0	92.3	94.1	-	-	175.5	171.3	176.0	-	-
Computer systems design and related services ⁴	5415	185.5	190.1	190.7	-	-	272.2	282.7	284.6	-	-
Custom computer programming services ⁴	541511	177.0	180.5	181.4	-	-	255.4	262.9	264.7	-	-
Computer systems design services ⁴	541512	228.6	234.1	234.5	-	-	321.0	332.7	334.6	-	-
Management and technical consulting services ⁴	5416	237.1	250.0	247.1	-	-	360.9	382.1	380.5	-	-
Management consulting services ⁴	54161	236.0	251.1	245.7	-	-	349.8	375.1	371.3	-	-
Administrative management consulting services ⁴	541611	266.4	287.1	280.3	-	-	428.6	455.0	459.2	-	-
Marketing consulting services ⁴	541613	403.7	414.4	409.1	-	-	577.8	613.4	606.7	-	-
Process and logistics consulting services ⁴	541614	211.7	232.2	231.5	-	-	264.9	286.5	283.5	-	-
Scientific research and development services ⁴	5417	137.3	143.7	143.4	-	-	231.2	247.9	248.5	-	-
Research and development in the physical, engineering, and life sciences ⁴	54171	144.1	150.8	150.8	-	-	243.1	260.5	261.8	-	-
Research and development in nanotechnology ⁴	541713	163.5	181.5	178.9	-	-	266.1	328.2	335.6	-	-
Research and development in biotechnology, except nanobiotechnology ⁴	541714	177.8	185.6	184.9	-	-	286.4	303.6	304.7	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Research and development in the physical, engineering, and life sciences, except nanotechnology and biotechnology ⁴	541715	132.4	138.0	138.5	-	-	229.8	243.8	246.5	-	-
Social science and humanities research ⁴	54172	87.7	90.1	88.6	-	-	131.5	141.8	139.8	-	-
Advertising and related services ⁴	5418	124.8	127.1	128.1	-	-	205.3	213.3	216.2	-	-
Advertising agencies ⁴	54181	142.4	143.4	143.3	-	-	221.6	221.3	223.6	-	-
Public relations agencies ⁴	54182	131.1	146.6	150.2	-	-	216.1	248.9	256.0	-	-
Advertising material distribution and other advertising services ⁴	54187,9	138.7	146.8	150.6	-	-	226.0	257.5	263.1	-	-
Other professional and technical services ⁴	5419	166.8	176.9	174.5	-	-	283.7	312.4	309.7	-	-
Marketing research and public opinion polling ⁴	54191	84.7	87.6	83.9	-	-	141.2	151.1	146.8	-	-
Photographic services ⁴	54192	67.8	56.7	54.7	-	-	113.3	99.5	93.8	-	-
Veterinary services ⁴	54194	173.7	177.8	176.2	-	-	271.9	277.1	274.4	-	-
Miscellaneous professional and technical services ⁴	54193,9	426.1	499.8	498.1	-	-	773.0	949.4	955.0	-	-
Management of companies and enterprises ⁴	55	124.5	127.8	127.6	-	-	217.9	226.9	226.9	-	-
Offices of bank holding companies and of other holding companies ⁴	551111,2	100.4	111.0	109.4	-	-	170.3	190.6	190.5	-	-
Managing offices ⁴	551114	125.8	128.5	128.7	-	-	221.4	228.9	229.5	-	-
Administrative and waste services ⁴	56	127.0	129.3	129.4	-	-	179.9	188.7	189.0	-	-
Administrative and support services ⁴	561	126.9	129.0	128.8	-	-	180.5	188.9	188.5	-	-
Office administrative services ⁴	5611	194.9	195.8	194.9	-	-	338.7	352.0	352.3	-	-
Facilities support services ⁴	5612	154.1	152.5	153.0	-	-	175.2	175.8	178.2	-	-
Employment services ⁴	5613	120.4	121.8	122.6	-	-	163.7	170.3	171.2	-	-
Employment placement agencies and executive search services ⁴	56131	108.4	112.6	114.2	-	-	171.5	176.7	180.2	-	-
Temporary help services ⁴	56132	145.1	147.0	147.5	-	-	197.0	205.9	206.9	-	-
Professional employer organizations ⁴	56133	50.5	51.1	52.2	-	-	66.3	68.7	69.4	-	-
Business support services ⁴	5614	131.2	131.5	132.2	-	-	192.4	197.4	198.2	-	-
Telephone call centers ⁴	56142	168.9	166.1	166.2	-	-	262.7	261.1	262.0	-	-
Business service centers ⁴	56143	91.3	90.9	92.9	-	-	126.0	124.3	125.5	-	-
Collection agencies ⁴	56144	87.0	88.1	88.8	-	-	126.1	128.3	129.9	-	-
Travel arrangement and reservation services ⁴	5615	91.1	86.5	86.5	-	-	152.2	145.8	141.8	-	-
Travel agencies ⁴	56151	75.0	69.1	68.6	-	-	102.0	96.7	96.0	-	-
Investigation and security services ⁴	5616	128.3	129.7	130.1	-	-	193.1	204.3	205.7	-	-
Security and armored car services ⁴	56161	125.4	126.2	125.8	-	-	186.2	194.1	194.2	-	-
Security systems services ⁴	56162	148.4	154.8	158.0	-	-	225.8	253.0	256.3	-	-
Services to buildings and dwellings ⁴	5617	133.7	139.4	136.6	-	-	189.8	205.0	200.7	-	-
Exterminating and pest control services ⁴	56171	164.6	160.0	159.9	-	-	246.9	234.2	236.4	-	-
Janitorial services ⁴	56172	126.0	131.9	132.2	-	-	174.2	186.7	187.9	-	-
Landscaping services ⁴	56173	142.1	147.8	140.8	-	-	203.7	224.7	213.7	-	-
Carpet and upholstery cleaning services ⁴	56174	96.0	101.2	100.0	-	-	133.8	149.7	151.0	-	-
Other services to buildings and dwellings ⁴	56179	126.1	142.4	136.8	-	-	163.4	187.3	181.6	-	-
Other support services ⁴	5619	113.4	118.4	119.1	-	-	150.0	160.6	158.9	-	-
Packaging and labeling services ⁴	56191	128.4	124.3	127.1	-	-	193.6	187.4	193.0	-	-
Convention and trade show organizers ⁴	56192	98.9	110.5	105.5	-	-	112.5	120.0	112.5	-	-
All other support services ⁴	56199	113.9	118.6	119.9	-	-	160.1	174.2	174.4	-	-
Waste management and remediation services ⁴	562	129.9	138.1	138.8	-	-	173.1	191.0	192.4	-	-
Waste collection ⁴	5621	171.2	181.1	181.1	-	-	230.0	251.1	252.0	-	-
Waste treatment and disposal ⁴	5622	86.4	89.8	91.2	-	-	134.1	141.2	143.7	-	-
Remediation and other waste services ⁴	5629	135.2	146.5	148.1	-	-	166.1	191.8	193.8	-	-
Education and health services.....		141.4	143.4	143.5	144.3	0.6	217.4	225.1	226.4	227.7	0.6
Health care and social assistance ⁴	62	143.0	145.6	145.8	-	-	221.6	231.1	232.9	-	-
Health care ^{6, 4}	621,2,3	139.0	141.4	141.7	-	-	220.9	229.9	231.6	-	-
Ambulatory health care services ⁴	621	162.1	164.8	165.3	-	-	255.7	264.1	265.4	-	-
Offices of physicians ⁴	6211	139.4	142.6	142.4	-	-	252.5	261.2	261.3	-	-
Offices of physicians, except mental health ⁴	621111	139.7	142.6	142.5	-	-	254.0	262.6	262.7	-	-
Offices of mental health physicians ⁴	621112	122.0	133.8	128.1	-	-	181.8	187.9	188.3	-	-
Offices of dentists ⁴	6212	126.2	127.1	126.8	-	-	180.5	184.4	186.4	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Offices of other health practitioners ⁴	6213	180.6	187.4	188.6	-	-	266.2	279.2	283.6	-	-
Offices of chiropractors ⁴	62131	139.6	139.0	136.6	-	-	202.5	201.7	198.9	-	-
Offices of optometrists ⁴	62132	152.8	162.8	163.8	-	-	232.6	247.0	251.1	-	-
Offices of mental health practitioners ⁴	62133	144.7	147.5	150.3	-	-	182.2	173.7	179.8	-	-
Offices of specialty therapists ⁴	62134	199.6	208.9	215.2	-	-	295.4	318.3	327.9	-	-
Offices of all other health practitioners ⁴	62139	257.1	256.1	252.3	-	-	360.3	363.3	366.2	-	-
Outpatient care centers ⁴	6214	218.6	226.8	227.2	-	-	343.1	364.0	365.9	-	-
Outpatient mental health centers ⁴	62142	177.1	182.1	184.0	-	-	240.5	257.5	261.6	-	-
Outpatient care centers, except mental health ⁴	62141,9	237.5	247.6	247.6	-	-	383.1	406.5	408.1	-	-
Freestanding emergency medical centers ⁴	621493	258.5	269.7	272.7	-	-	401.5	422.4	427.7	-	-
Miscellaneous outpatient care centers ⁴	621410,98	238.4	252.2	252.8	-	-	383.0	411.3	416.9	-	-
Medical and diagnostic laboratories ⁴	6215	163.1	160.9	160.6	-	-	238.4	244.1	245.7	-	-
Medical laboratories ⁴	621511	165.5	164.2	163.5	-	-	242.3	248.0	249.8	-	-
Diagnostic imaging centers ⁴	621512	155.5	151.8	153.2	-	-	225.3	233.3	239.4	-	-
Home health care services ⁴	6216	214.0	215.4	217.6	-	-	285.9	290.8	291.9	-	-
Other ambulatory health care services ⁴	6219	162.9	158.4	156.3	-	-	266.5	263.1	264.6	-	-
Ambulance services ⁴	62191	163.7	159.5	155.8	-	-	253.2	262.1	260.1	-	-
All other ambulatory health care services ⁴	62199	161.9	157.4	157.8	-	-	283.6	265.8	272.0	-	-
Hospitals ⁴	622	129.1	131.8	132.0	-	-	213.3	223.0	225.5	-	-
General medical and surgical hospitals ⁴	6221	126.4	128.8	129.3	-	-	209.6	218.6	221.6	-	-
Nursing and residential care facilities ⁴	623	120.2	121.0	121.8	-	-	166.4	173.7	175.8	-	-
Nursing care facilities ⁴	6231	102.6	101.9	102.4	-	-	143.2	147.4	149.2	-	-
Residential mental health facilities ⁴	6232	132.9	135.9	136.7	-	-	187.9	201.1	203.4	-	-
Residential intellectual and developmental disability facilities ⁴	62321	123.2	124.2	124.9	-	-	167.6	175.2	177.2	-	-
Residential mental health and substance abuse facilities ⁴	62322	154.7	160.4	163.4	-	-	227.8	250.0	255.1	-	-
Community care facilities for the elderly ⁴	6233	168.0	170.6	171.4	-	-	237.9	249.0	251.2	-	-
Continuing care retirement communities ⁴	623311	207.2	206.3	205.5	-	-	295.3	303.1	304.3	-	-
Assisted living facilities for the elderly ⁴	623312	135.9	142.1	142.8	-	-	185.9	200.6	202.1	-	-
Other residential care facilities ⁴	6239	99.6	100.2	100.4	-	-	133.4	139.1	139.0	-	-
Social assistance ⁴	624	167.0	170.3	169.9	-	-	231.0	244.0	244.2	-	-
Individual and family services ⁴	6241	225.7	232.1	231.3	-	-	302.3	322.9	323.0	-	-
Child and youth services ⁴	62411	133.8	141.9	143.2	-	-	190.8	209.5	213.1	-	-
Services for the elderly and persons with disabilities ⁴	62412	288.8	295.3	293.9	-	-	394.9	422.3	420.9	-	-
Other individual and family services ⁴	62419	143.0	146.8	147.1	-	-	210.7	220.2	222.0	-	-
Emergency and other relief services ⁴	6242	142.4	146.5	147.0	-	-	215.2	224.4	226.3	-	-
Vocational rehabilitation services ⁴	6243	96.5	95.3	95.7	-	-	132.4	131.7	132.0	-	-
Child day care services ⁴	6244	129.5	129.4	128.6	-	-	179.5	186.5	185.9	-	-
Leisure and hospitality.....		130.7	131.3	131.4	131.4	0.0	201.9	209.6	210.4	211.5	0.5
Arts, entertainment, and recreation ⁴	71	115.4	116.8	116.2	-	-	167.9	177.1	176.5	-	-
Performing arts and spectator sports ⁴	711	123.0	131.5	131.4	-	-	200.0	219.9	218.0	-	-
Performing arts companies ⁴	7111	113.4	115.3	116.4	-	-	214.4	220.1	223.2	-	-
Spectator sports ⁴	7112	100.9	117.3	116.4	-	-	156.8	176.7	172.5	-	-
Arts and sports promoters and agents and managers for public figures ⁴	7113,4	174.4	183.7	179.8	-	-	252.3	294.4	287.6	-	-
Independent artists, writers, and performers ⁴	7115	132.6	132.5	135.3	-	-	244.1	237.7	247.0	-	-
Museums, historical sites, and similar institutions ⁴	712	137.3	144.3	144.6	-	-	191.5	204.1	205.0	-	-
Museums ⁴	71211	122.2	125.1	124.4	-	-	167.5	173.4	172.1	-	-
Historical sites and other similar institutions ⁴	71212,3,9	164.9	176.0	178.3	-	-	247.6	270.6	274.9	-	-
Amusements, gambling, and recreation ⁴	713	111.5	109.9	109.6	-	-	151.8	155.7	156.0	-	-
Gambling industries ⁴	7132	89.3	87.9	86.4	-	-	146.4	144.7	141.2	-	-
Golf courses and country clubs ⁴	71391	117.8	120.7	123.5	-	-	166.9	178.1	185.2	-	-
Skiing facilities ⁴	71392	153.1	171.1	170.5	-	-	258.8	301.9	303.3	-	-
Marinas ⁴	71393	121.6	125.1	124.6	-	-	184.3	206.6	199.0	-	-
Fitness and recreational sports centers ⁴	71394	110.0	110.7	107.5	-	-	135.4	138.9	134.5	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Bowling centers ⁴	71395	73.4	74.5	74.9	-	-	97.7	106.2	105.7	-	-
Accommodation and food services ⁴	72	132.8	133.9	134.1	-	-	209.0	217.8	218.9	-	-
Accommodation ⁴	721	113.3	112.2	111.4	-	-	165.2	167.3	166.8	-	-
Traveler accommodation ⁴	7211	112.3	110.7	110.1	-	-	164.2	165.6	165.1	-	-
Hotels and motels, except casino hotels ⁴	72111	116.0	113.5	112.9	-	-	172.0	172.0	171.3	-	-
RV parks and recreational camps ⁴	7212	172.1	181.0	168.2	-	-	231.4	253.9	251.8	-	-
Food services and drinking places ⁴	722	137.4	139.2	138.9	-	-	222.8	233.3	233.7	-	-
Special food services ⁴	7223	139.2	146.8	145.6	-	-	204.0	224.4	221.7	-	-
Food service contractors ⁴	72231	142.0	148.4	147.3	-	-	200.5	220.0	217.3	-	-
Caterers and mobile food services ⁴	72232,3	132.2	139.3	141.9	-	-	220.3	237.1	240.1	-	-
Drinking places, alcoholic beverages ⁴	7224	103.2	104.1	103.8	-	-	200.3	213.7	212.7	-	-
Restaurants and other eating places ⁴	7225	138.5	140.7	140.4	-	-	224.9	235.8	236.4	-	-
Full-service restaurants ⁴	722511	133.4	134.9	134.6	-	-	228.2	237.5	237.8	-	-
Limited-service restaurants ⁴	722513	141.9	144.1	144.3	-	-	216.6	227.1	228.7	-	-
Cafeterias, grill buffets, and buffets ⁴	722514	78.8	80.4	79.2	-	-	107.9	120.8	119.8	-	-
Snack and nonalcoholic beverage bars ⁴	722515	210.4	211.2	209.9	-	-	322.4	338.9	338.3	-	-
Other services.....	81	104.3	105.6	105.9	105.4	-0.5	155.4	159.8	160.5	160.0	-0.3
Repair and maintenance ⁴	811	108.9	109.6	110.0	-	-	157.9	164.3	164.5	-	-
Automotive repair and maintenance ⁴	8111	107.4	105.5	105.9	-	-	155.4	156.3	157.3	-	-
Automotive mechanical and electrical repair ⁴	81111	100.5	100.2	101.2	-	-	142.5	142.5	142.9	-	-
General automotive repair ⁴	811111	114.9	115.0	115.5	-	-	160.2	162.3	161.7	-	-
Automotive body, interior, and glass repair ⁴	811112	106.6	107.0	108.2	-	-	161.4	162.8	164.6	-	-
Other automotive repair and maintenance ⁴	81119	120.5	113.6	112.2	-	-	177.9	184.3	184.2	-	-
Car washes ⁴	811192	134.7	126.3	123.6	-	-	197.3	199.8	201.5	-	-
Auto oil change shops and all other auto repair and maintenance ⁴	811191,8	101.7	96.1	95.7	-	-	155.3	166.3	162.7	-	-
Electronic equipment repair and maintenance ⁴	8112	97.2	98.5	98.7	-	-	138.6	144.4	145.3	-	-
Computer and office machine repair ⁴	811212	89.8	100.6	100.6	-	-	119.0	131.6	133.3	-	-
Miscellaneous electronic equipment repair and maintenance ⁴	811211,3,9	103.1	97.0	97.3	-	-	153.5	154.5	155.0	-	-
Commercial machinery repair and maintenance ⁴	8113	136.0	149.2	149.0	-	-	200.5	232.5	229.0	-	-
Household goods repair and maintenance ⁴	8114	89.8	90.1	91.0	-	-	117.8	118.1	116.4	-	-
Personal and laundry services ⁴	812	109.1	113.6	113.6	-	-	156.2	164.9	165.0	-	-
Personal care services ⁴	8121	129.9	134.1	133.7	-	-	191.4	199.1	199.9	-	-
Hair, nail, and skin care services ⁴	81211	120.2	124.8	125.0	-	-	174.0	177.5	179.2	-	-
Other personal care services ⁴	81219	207.6	204.1	200.8	-	-	356.4	375.8	358.0	-	-
Death care services ⁴	8122	89.9	95.3	89.9	-	-	137.2	140.9	133.3	-	-
Drycleaning and laundry services ⁴	8123	80.6	80.1	81.0	-	-	108.3	112.5	112.7	-	-
Coin-operated laundries and drycleaners ⁴	81231	77.1	68.1	75.2	-	-	88.8	84.0	92.5	-	-
Drycleaning and laundry services, except coin-operated ⁴	81232	61.7	61.2	61.0	-	-	85.4	90.1	90.6	-	-
Linen and uniform supply ⁴	81233	106.3	108.7	110.0	-	-	135.7	141.9	140.1	-	-
Other personal services ⁴	8129	128.3	144.9	145.3	-	-	170.4	197.9	199.9	-	-
Pet care services, except veterinary ⁴	81291	355.9	389.5	402.3	-	-	406.4	457.9	483.2	-	-
Parking lots and garages ⁴	81293	127.5	138.7	137.8	-	-	186.9	203.2	199.4	-	-
Membership associations and organizations ⁴	813	100.0	100.7	100.8	-	-	153.9	156.8	157.2	-	-
Grantmaking and giving services ⁴	8132	145.5	149.1	150.9	-	-	270.3	293.2	294.6	-	-
Grantmaking foundations ⁴	813211	254.9	260.3	264.9	-	-	464.0	494.7	500.6	-	-
Social advocacy organizations ⁴	8133	126.5	127.4	127.6	-	-	226.5	235.2	235.5	-	-
Human rights organizations ⁴	813311	112.0	110.3	111.2	-	-	198.6	204.5	203.3	-	-
Environment, conservation, and other social advocacy organizations ⁴	813312,9	131.7	132.4	132.5	-	-	237.9	245.5	246.0	-	-
Civic and social organizations ⁴	8134	83.6	81.7	82.4	-	-	124.2	126.1	128.5	-	-
Professional and similar organizations ⁴	8139	102.9	107.3	108.0	-	-	160.1	169.0	169.5	-	-
Business associations ⁴	81391	97.0	97.7	97.1	-	-	158.5	160.7	162.3	-	-

See footnotes at end of table.

ESTABLISHMENT DATA

Table B-9a. Indexes of aggregate weekly hours and payrolls for production and nonsupervisory employees on private nonfarm payrolls by industry sector, 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
Professional organizations ⁴	81392	151.8	153.1	156.3	—	—	235.3	235.1	239.8	—	—
Labor unions and similar labor organizations ⁴	81393	85.3	90.3	93.3	—	—	129.6	141.9	142.2	—	—
Miscellaneous professional and similar organizations ⁴ ...	81394,9	103.0	111.5	111.7	—	—	162.7	182.7	183.0	—	—

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 Seasonally Adjusted Independently. See https://www.bls.gov/web/empsit/cestn.htm#SA_ind for details.

⁵ Includes motor vehicles, motor vehicle bodies and trailers, and motor vehicle parts.

⁶ Includes ambulatory health care services, hospitals, and nursing and residential care facilities.

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