

**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 adjusted<sup>1</sup>**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Total private.....		112.2	113.2	113.7	114.1	0.4	156.9	162.9	162.4	163.9	0.9
Goods-producing.....		90.7	89.3	91.1	91.0	-0.1	122.5	123.2	126.2	126.7	0.4
Mining and logging.....		147.4	117.0	115.5	117.8	2.0	225.7	184.2	181.3	184.5	1.8
Logging.....	1133	84.7	74.7	77.1	-	-	120.1	110.3	113.2	-	-
Mining.....	21	155.8	122.7	120.7	-	-	237.6	192.5	189.1	-	-
Oil and gas extraction.....	211	177.7	145.8	143.1	-	-	273.5	255.2	252.1	-	-
Mining, except oil and gas.....	212	99.5	87.3	87.7	-	-	141.6	124.1	123.3	-	-
Coal mining.....	2121	86.7	68.5	69.0	-	-	127.9	98.4	97.0	-	-
Stone mining and quarrying.....	21231	89.2	89.3	90.3	-	-	119.2	125.0	126.1	-	-
Crushed and broken limestone mining.....	212312	80.6	82.0	85.4	-	-	116.8	120.0	123.4	-	-
Other stone mining and quarrying.....	212311,3,9	100.4	98.6	97.0	-	-	122.2	130.9	129.9	-	-
Support activities for mining.....	213	211.0	153.3	149.2	-	-	350.1	253.5	246.5	-	-
Support activities for oil and gas operations.....	213112	234.7	167.1	162.6	-	-	433.0	308.1	297.1	-	-
Construction.....	23	102.3	101.1	105.6	106.1	0.5	139.2	141.1	148.4	150.1	1.1
Construction of buildings.....	236	89.8	91.0	94.1	-	-	124.8	130.8	134.5	-	-
Residential building.....	2361	84.7	87.5	90.6	-	-	114.3	122.9	126.8	-	-
New single-family general contractors.....	236115	64.4	67.6	69.8	-	-	90.2	94.9	98.7	-	-
Residential remodelers.....	236118	122.6	125.7	129.7	-	-	155.2	171.3	175.0	-	-
Nonresidential building.....	2362	94.8	94.5	97.3	-	-	133.3	137.3	140.6	-	-
Industrial building.....	23621	83.0	84.5	81.6	-	-	119.8	129.1	121.5	-	-
Commercial building.....	23622	99.4	98.4	103.4	-	-	138.5	140.5	147.9	-	-
Heavy and civil engineering construction.....	237	111.4	101.9	109.0	-	-	164.6	155.5	167.6	-	-
Utility system construction.....	2371	130.7	120.1	124.8	-	-	203.7	194.5	203.7	-	-
Water and sewer system construction.....	23711	96.3	90.8	96.5	-	-	133.8	128.1	135.5	-	-
Oil and gas pipeline construction.....	23712	191.1	161.0	164.1	-	-	329.3	304.0	317.6	-	-
Power and communication system construction..	23713	135.9	132.6	136.9	-	-	217.4	214.5	223.4	-	-
Land subdivision.....	2372	24.0	21.7	21.5	-	-	39.3	41.6	40.8	-	-
Highway, street, and bridge construction.....	2373	109.4	101.3	113.5	-	-	151.2	142.8	161.1	-	-
Other heavy construction.....	2379	99.3	86.5	90.6	-	-	140.4	126.4	133.7	-	-
Specialty trade contractors.....	238	104.3	104.0	108.4	-	-	138.0	140.5	148.0	-	-
Building foundation and exterior contractors.....	2381	96.7	98.2	102.4	-	-	127.8	131.4	138.3	-	-
Poured concrete structure contractors.....	23811	111.3	113.5	118.9	-	-	157.6	165.5	175.4	-	-
Steel and precast concrete contractors.....	23812	86.2	97.2	98.1	-	-	123.6	129.9	133.8	-	-
Framing contractors.....	23813	66.1	65.3	66.5	-	-	76.0	76.6	78.3	-	-
Masonry contractors.....	23814	73.9	73.9	77.3	-	-	97.2	94.1	99.1	-	-
Glass and glazing contractors.....	23815	118.8	123.6	126.2	-	-	148.8	165.0	170.6	-	-
Roofing contractors.....	23816	116.8	116.4	125.8	-	-	155.8	157.9	173.4	-	-
Siding contractors.....	23817	126.5	108.7	114.0	-	-	187.7	188.8	199.0	-	-
Other building exterior contractors.....	23819	139.5	148.8	147.0	-	-	177.4	192.1	188.5	-	-
Building equipment contractors.....	2382	106.7	110.4	114.8	-	-	140.3	148.3	156.4	-	-
Electrical contractors.....	23821	93.8	99.8	103.2	-	-	125.5	137.6	145.4	-	-
Plumbing and HVAC contractors.....	23822	117.8	119.3	124.7	-	-	154.7	156.5	165.8	-	-
Other building equipment contractors.....	23829	131.4	131.8	135.9	-	-	159.5	175.3	177.6	-	-
Building finishing contractors.....	2383	90.0	88.7	90.9	-	-	119.8	120.0	123.1	-	-
Drywall and insulation contractors.....	23831	76.0	74.3	75.1	-	-	103.0	103.3	103.6	-	-
Painting and wall covering contractors.....	23832	95.9	95.0	99.1	-	-	121.6	120.3	125.7	-	-
Flooring contractors.....	23833	88.3	89.5	87.2	-	-	124.3	118.1	113.5	-	-
Tile and terrazzo contractors.....	23834	115.7	111.4	116.3	-	-	152.9	158.1	173.7	-	-
Finish carpentry contractors.....	23835	98.2	96.7	100.4	-	-	136.7	138.2	141.8	-	-
Other building finishing contractors.....	23839	108.9	107.5	110.1	-	-	149.9	154.5	165.3	-	-
Other specialty trade contractors.....	2389	128.9	115.0	123.4	-	-	172.0	156.6	169.8	-	-
Site preparation contractors.....	23891	123.7	114.6	122.1	-	-	161.7	154.7	168.3	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Percent change from: June 2016 - July 2016 <sup>P</sup>	Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	July 2015		May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	
All other specialty trade contractors.....	23899	134.5	115.7	125.0	-	-	183.7	159.2	171.9	-	-	
Manufacturing.....		83.0	82.6	83.5	83.1	-0.5	108.1	110.2	111.4	111.2	-0.2	
Durable goods.....		84.2	84.1	84.8	83.8	-1.2	110.3	112.6	113.4	112.2	-1.1	
Wood products.....	321	71.2	70.1	71.3	69.8	-2.1	93.7	95.6	97.5	96.5	-1.0	
Sawmills and wood preservation.....	3211	74.7	72.6	73.3	-	-	94.1	98.0	97.4	-	-	
Plywood and engineered wood products.....	3212	75.5	71.0	74.9	-	-	101.5	100.0	105.4	-	-	
Other wood products.....	3219	68.2	68.5	69.0	-	-	90.5	92.4	94.2	-	-	
Millwork.....	32191	65.3	65.8	64.9	-	-	86.1	88.4	88.2	-	-	
Wood windows and doors.....	321911	63.4	60.7	59.1	-	-	91.2	88.9	87.3	-	-	
Cut stock, resawing lumber, planing, and other millwork, including flooring.....	321912,8	66.8	70.3	70.0	-	-	81.2	87.9	89.0	-	-	
Wood containers and pallets.....	32192	89.6	88.3	89.4	-	-	125.9	131.4	135.1	-	-	
All other wood products.....	32199	58.7	59.9	61.9	-	-	77.8	77.3	81.0	-	-	
Nonmetallic mineral products.....	327	77.8	77.5	79.4	80.0	0.8	102.2	102.0	104.8	106.3	1.4	
Cement and concrete products.....	3273	85.2	85.6	89.3	-	-	118.3	114.7	119.7	-	-	
Ready-mix concrete.....	32732	82.1	79.9	85.0	-	-	114.0	106.2	113.6	-	-	
Other cement and concrete products.....	32731,3,9	88.9	92.2	94.4	-	-	124.5	126.5	128.4	-	-	
Primary metals.....	331	79.8	76.3	76.1	75.9	-0.3	101.0	98.6	99.8	99.9	0.1	
Foundries.....	3315	69.5	64.4	64.1	-	-	86.3	81.0	81.8	-	-	
Fabricated metal products.....	332	97.8	93.9	94.1	93.9	-0.2	127.3	125.1	124.8	126.0	1.0	
Forging and stamping.....	3321	92.7	90.6	93.1	-	-	115.4	119.0	120.5	-	-	
Architectural and structural metals.....	3323	99.2	97.6	96.2	-	-	130.1	128.1	127.1	-	-	
Plate work and fabricated structural products...	33231	99.6	96.9	95.3	-	-	137.2	133.4	130.3	-	-	
Fabricated structural metal products.....	332312	100.8	99.0	96.9	-	-	143.3	137.4	133.3	-	-	
Ornamental and architectural metal products...	33232	99.2	98.0	97.0	-	-	124.9	123.6	124.5	-	-	
Sheet metal work.....	332322	116.5	114.8	112.7	-	-	145.1	140.7	140.7	-	-	
Boilers, tanks, and shipping containers.....	3324	118.2	101.6	99.7	-	-	147.7	137.1	133.0	-	-	
Machine shops and threaded products.....	3327	119.6	113.1	113.5	-	-	150.8	145.5	146.0	-	-	
Machine shops.....	33271	128.1	120.5	121.2	-	-	163.1	157.6	157.7	-	-	
Turned products and screws, nuts, and bolts...	33272	98.1	94.7	94.2	-	-	118.1	113.9	115.2	-	-	
Coating, engraving, and heat treating metals.....	3328	94.0	94.0	92.0	-	-	126.7	124.7	119.5	-	-	
Metal heat treating and coating and nonprecious engraving.....	332811,2	117.7	116.7	112.1	-	-	157.6	153.7	143.4	-	-	
Electroplating, anodizing, and coloring metals...	332813	74.3	75.1	75.4	-	-	99.9	99.6	99.1	-	-	
Other fabricated metal products.....	3329	96.5	91.1	94.6	-	-	126.9	126.3	130.3	-	-	
Metal valves.....	33291	89.9	80.0	83.4	-	-	123.1	116.0	119.3	-	-	
All other fabricated metal products.....	33299	99.8	97.1	100.5	-	-	128.7	131.6	135.8	-	-	
Machinery.....	333	92.3	90.9	91.6	91.8	0.2	123.4	125.1	125.2	125.7	0.4	
Agricultural, construction, and mining machinery.....	3331	116.8	102.2	102.9	-	-	163.7	144.8	143.7	-	-	
Farm machinery and equipment.....	333111	98.5	88.1	90.6	-	-	131.3	124.2	126.1	-	-	
Industrial machinery.....	3332	87.7	89.8	92.2	-	-	123.4	125.6	126.5	-	-	
Commercial and service industry machinery.....	3333	71.1	74.7	74.6	-	-	110.1	118.3	119.3	-	-	
HVAC and commercial refrigeration equipment...	3334	82.9	88.0	87.9	-	-	108.6	120.2	118.3	-	-	
Metalworking machinery.....	3335	89.4	84.8	85.3	-	-	109.9	108.8	108.8	-	-	
Special tools, dies, jigs, and fixtures.....	333514	84.4	77.2	78.8	-	-	107.8	101.3	103.6	-	-	
Turbine and power transmission equipment.....	3336	79.3	79.7	81.0	-	-	92.8	99.6	102.8	-	-	
Other general purpose machinery.....	3339	98.1	102.4	103.0	-	-	136.4	145.7	145.9	-	-	
Computer and electronic products.....	334	82.0	82.5	82.4	82.2	-0.2	118.8	123.1	125.5	121.8	-2.9	
Communications equipment.....	3342	52.8	56.5	57.1	-	-	70.9	72.9	73.6	-	-	
Semiconductors and electronic components.....	3344	72.3	72.6	72.7	-	-	99.9	100.3	100.7	-	-	
Semiconductors and related devices.....	334413	72.4	72.6	72.2	-	-	121.3	122.1	119.7	-	-	
Electronic connectors and misc. electronic components.....	334416,7,9	75.5	71.7	71.1	-	-	96.5	96.7	97.1	-	-	

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Electronic instruments.....	3345	126.0	125.4	124.6	-	-	206.4	212.8	217.7	-	-
Electrical equipment and appliances.....	335	76.2	78.7	80.3	77.8	-3.1	103.3	109.0	110.3	107.1	-2.9
Electrical equipment.....	3353	88.6	87.7	88.4	-	-	115.3	122.1	121.0	-	-
Other electrical equipment and components.....	3359	84.0	87.4	89.7	-	-	116.8	122.5	124.7	-	-
Transportation equipment.....	336	86.1	90.1	90.2	88.3	-2.1	104.4	109.6	109.3	107.1	-2.0
Motor vehicles and parts <sup>4</sup> .....	3361,2,3	75.9	81.9	82.3	79.8	-3.0	77.1	83.3	84.1	82.1	-2.4
Motor vehicles.....	3361	69.5	82.3	81.3	-	-	70.5	84.3	85.8	-	-
Motor vehicle bodies and trailers.....	3362	107.0	108.2	108.1	-	-	122.3	121.1	119.0	-	-
Motor vehicle parts.....	3363	72.5	76.8	77.9	-	-	73.9	77.2	78.0	-	-
Motor vehicle gasoline engine and parts.....	33631	67.5	69.7	70.2	-	-	79.0	75.1	76.0	-	-
Motor vehicle power train components.....	33635	78.3	90.7	89.3	-	-	75.8	88.7	89.2	-	-
Motor vehicle metal stamping.....	33637	80.4	76.2	80.4	-	-	77.8	73.5	77.5	-	-
All other motor vehicle parts.....	33639	82.0	85.5	86.4	-	-	87.9	95.1	94.7	-	-
Aerospace products and parts.....	3364	126.0	129.1	128.8	-	-	207.3	216.0	211.6	-	-
Aircraft.....	336411	121.4	121.1	122.0	-	-	183.6	189.6	186.0	-	-
Furniture and related products.....	337	62.2	60.7	62.1	61.7	-0.6	79.2	80.3	82.6	82.0	-0.7
Household and institutional furniture.....	3371	58.0	58.2	59.4	-	-	74.3	78.1	80.1	-	-
Wood kitchen cabinets and countertops.....	33711	73.2	72.4	74.2	-	-	92.8	97.2	99.8	-	-
Other household and institutional furniture.....	33712	49.2	50.0	50.9	-	-	62.7	66.3	67.8	-	-
Upholstered household furniture.....	337121	72.1	71.1	72.4	-	-	84.8	86.7	89.2	-	-
Miscellaneous durable goods manufacturing.....	339	84.2	87.6	88.0	87.1	-1.0	116.1	124.2	124.5	123.6	-0.7
Medical equipment and supplies.....	3391	104.9	113.7	114.1	-	-	141.1	157.6	157.3	-	-
Surgical appliances and supplies.....	339113	113.2	104.1	108.4	-	-	150.0	141.0	143.5	-	-
Dental laboratories.....	339116	81.8	79.2	80.8	-	-	118.2	112.0	115.5	-	-
Other miscellaneous durable goods manufacturing.....	3399	69.1	68.5	69.2	-	-	96.0	97.4	98.4	-	-
Signs.....	33995	94.8	90.8	92.3	-	-	122.8	121.1	123.4	-	-
All other miscellaneous durable goods manufacturing.....	33993,4,9	68.0	68.5	69.9	-	-	98.3	100.0	102.0	-	-
Nondurable goods.....		81.2	80.2	81.6	81.4	-0.2	104.4	105.9	108.0	108.6	0.6
Food manufacturing.....	311	102.8	100.9	104.9	106.1	1.1	129.7	131.6	137.2	139.0	1.3
Sugar and confectionery products.....	3113	79.5	75.4	75.5	-	-	86.9	82.8	88.5	-	-
Fruit and vegetable preserving and specialty.....	3114	93.3	84.5	91.1	-	-	117.4	111.7	119.2	-	-
Frozen food.....	31141	82.3	85.4	95.8	-	-	106.5	114.7	128.7	-	-
Fruit and vegetable canning and drying.....	31142	105.2	83.6	85.8	-	-	127.6	108.9	110.3	-	-
Dairy products.....	3115	110.0	110.4	112.6	-	-	147.6	152.9	157.1	-	-
Animal slaughtering and processing.....	3116	98.3	98.1	101.4	-	-	126.4	128.4	133.9	-	-
Poultry processing.....	311615	97.4	98.5	100.8	-	-	123.6	128.8	132.2	-	-
Seafood product preparation and packaging.....	3117	133.5	78.6	135.2	-	-	181.2	118.9	191.8	-	-
Bakeries and tortilla manufacturing.....	3118	101.8	102.4	104.2	-	-	128.3	131.9	137.1	-	-
Textile mills.....	313	38.2	37.0	37.4	36.4	-2.7	48.1	49.9	51.2	49.6	-3.1
Textile product mills.....	314	50.9	54.0	53.7	53.6	-0.2	62.2	68.0	66.9	68.0	1.6
Apparel.....	315	37.6	34.0	34.6	32.9	-4.9	56.2	51.7	52.5	48.7	-7.2
Paper and paper products.....	322	67.7	66.1	67.3	67.1	-0.3	87.5	85.1	86.4	86.5	0.1
Pulp, paper, and paperboard mills.....	3221	65.8	62.2	62.4	-	-	83.7	78.6	78.8	-	-
Converted paper products.....	3222	68.5	68.0	69.5	-	-	90.0	89.5	91.5	-	-
Paperboard containers.....	32221	71.0	67.9	69.8	-	-	91.6	87.6	90.0	-	-
Corrugated and solid fiber boxes.....	322211	69.8	66.5	68.7	-	-	85.5	84.2	86.9	-	-
Paper bags and coated and treated paper.....	32222	69.7	71.0	70.5	-	-	90.0	95.1	93.1	-	-
Printing and related support activities.....	323	64.6	62.9	63.6	62.3	-2.0	79.3	78.2	78.9	78.1	-1.0
Petroleum and coal products.....	324	105.6	105.4	105.2	108.2	2.9	170.3	177.9	175.9	183.0	4.0
Chemicals.....	325	96.5	97.3	97.1	97.3	0.2	117.1	121.5	123.1	125.6	2.0
Basic chemicals.....	3251	91.5	90.2	88.4	-	-	111.9	114.8	114.5	-	-
Resin, rubber, and artificial fibers.....	3252	85.5	81.4	80.5	-	-	109.6	111.6	112.1	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Percent change from: June 2016 - July 2016 <sup>P</sup>	Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	July 2015		May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	
Pharmaceuticals and medicines.....	3254	124.7	128.2	128.9	-	-	159.8	162.9	160.8	-	-	
Soaps, cleaning compounds, and toiletries.....	3256	91.6	91.4	92.1	-	-	108.0	103.4	105.6	-	-	
Plastics and rubber products.....	326	82.9	83.7	83.9	82.5	-1.7	102.5	105.8	106.1	104.6	-1.4	
Plastics products.....	3261	86.0	85.4	85.8	-	-	111.5	113.8	113.7	-	-	
Plastics packaging materials, film, and sheet...	32611	101.1	102.5	102.5	-	-	124.3	125.8	126.0	-	-	
Foam products.....	32614,5	103.2	104.1	107.4	-	-	125.1	129.9	135.6	-	-	
Other plastics products.....	32619	78.9	78.2	78.5	-	-	105.5	108.7	108.2	-	-	
Rubber products.....	3262	72.5	78.0	77.0	-	-	77.5	83.4	85.2	-	-	
Miscellaneous nondurable goods manufacturing...	312,6	101.4	94.2	97.1	97.8	0.7	120.5	116.3	119.8	122.1	1.9	
Private service-providing.....		118.0	120.0	120.0	120.4	0.3	167.4	175.3	173.6	175.1	0.9	
Trade, transportation, and utilities.....		107.0	107.1	107.7	107.6	-0.1	142.3	145.3	145.4	145.9	0.3	
Wholesale trade.....	42	107.5	108.9	108.8	108.3	-0.5	149.2	155.7	153.8	154.6	0.5	
Durable goods.....	423	100.5	101.1	100.9	-	-	132.3	138.9	137.0	-	-	
Motor vehicles and parts.....	4231	100.7	99.6	100.8	-	-	137.4	131.0	130.4	-	-	
Motor vehicles.....	42311	100.2	97.9	98.7	-	-	132.1	127.9	127.8	-	-	
New motor vehicle parts.....	42312	94.3	96.0	96.2	-	-	132.8	129.2	127.2	-	-	
Furniture and furnishings.....	4232	93.9	90.6	90.8	-	-	110.1	110.5	111.2	-	-	
Lumber and construction supplies.....	4233	95.0	97.9	100.5	-	-	131.2	137.6	142.1	-	-	
Lumber and wood.....	42331	85.5	86.8	89.6	-	-	119.9	125.0	130.2	-	-	
Masonry materials.....	42332	99.2	103.4	103.3	-	-	125.3	139.1	139.2	-	-	
Roofing, siding, and other construction materials.....	42333,9	114.6	120.7	125.9	-	-	166.6	168.6	176.9	-	-	
Commercial equipment.....	4234	92.4	96.5	93.9	-	-	113.9	131.3	124.9	-	-	
Office equipment.....	42342	72.1	73.0	70.6	-	-	91.9	103.8	99.9	-	-	
Computer and software.....	42343	76.6	85.1	82.3	-	-	89.8	113.7	106.7	-	-	
Medical equipment.....	42345	131.6	128.5	124.2	-	-	178.0	183.5	173.0	-	-	
Miscellaneous professional and commercial equipment.....	42341,4,6,9	102.1	108.9	108.8	-	-	140.5	157.0	156.6	-	-	
Metals and minerals.....	4235	101.9	100.3	100.1	-	-	136.6	141.7	140.2	-	-	
Electric goods.....	4236	93.1	94.9	94.8	-	-	124.0	131.7	130.6	-	-	
Electrical equipment and wiring.....	42361	105.3	106.5	105.5	-	-	142.9	150.1	147.1	-	-	
Electric appliances and other electronic parts....	42362,9	82.8	85.0	85.5	-	-	109.0	117.1	117.2	-	-	
Hardware and plumbing.....	4237	106.9	110.2	109.8	-	-	146.8	158.6	157.9	-	-	
Hardware.....	42371	109.0	111.5	111.8	-	-	158.0	169.2	169.6	-	-	
Plumbing equipment.....	42372	107.7	115.2	114.2	-	-	159.2	175.9	171.5	-	-	
HVAC and refrigeration equipment.....	42373,4	104.0	102.8	102.4	-	-	125.7	132.6	135.1	-	-	
Machinery and supplies.....	4238	106.8	105.5	106.1	-	-	145.0	147.7	147.7	-	-	
Construction equipment.....	42381	111.1	109.0	110.5	-	-	140.5	142.9	142.2	-	-	
Farm and garden equipment.....	42382	109.0	106.3	112.2	-	-	160.3	169.5	179.5	-	-	
Industrial machinery.....	42383	103.9	103.2	102.1	-	-	144.0	147.4	145.0	-	-	
Industrial supplies.....	42384	127.6	126.4	127.9	-	-	173.5	172.5	176.4	-	-	
Miscellaneous durable goods.....	4239	116.3	113.1	112.3	-	-	166.6	161.9	158.6	-	-	
Sporting goods.....	42391	104.1	98.3	99.8	-	-	135.4	132.6	135.0	-	-	
Recyclable materials.....	42393	118.9	114.8	114.0	-	-	149.6	148.8	148.3	-	-	
Nondurable goods.....	424	105.5	108.2	108.3	-	-	143.4	149.3	149.5	-	-	
Paper and paper products.....	4241	83.6	84.3	84.9	-	-	124.6	121.6	121.8	-	-	
Druggists' goods.....	4242	88.2	86.7	87.7	-	-	125.2	126.9	127.6	-	-	
Apparel and piece goods.....	4243	104.2	112.8	107.3	-	-	144.6	149.3	142.8	-	-	
Grocery and related products.....	4244	111.4	114.8	114.9	-	-	149.3	157.1	157.3	-	-	
General line grocery.....	42441	108.4	113.2	113.8	-	-	147.2	153.1	157.1	-	-	
Fruits and vegetables.....	42448	144.2	143.4	142.0	-	-	185.2	195.0	192.9	-	-	
Farm product raw materials.....	4245	108.6	109.6	114.8	-	-	158.2	170.7	175.7	-	-	
Chemicals.....	4246	105.4	102.8	103.7	-	-	130.0	136.2	139.4	-	-	

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Percent change from: June 2016 - July 2016 <sup>P</sup>	Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	July 2015		May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	
Petroleum.....	4247	104.0	99.9	102.3	-	-	156.2	156.7	160.6	-	-	
Alcoholic beverages.....	4248	149.1	148.7	152.0	-	-	194.9	194.2	197.7	-	-	
Misc. nondurable goods.....	4249	97.0	103.8	103.4	-	-	129.1	141.9	140.9	-	-	
Farm supplies.....	42491	113.4	116.8	121.2	-	-	148.4	155.8	161.6	-	-	
Nursery stock and florists' supplies.....	42493	73.0	89.4	82.4	-	-	109.7	124.1	113.5	-	-	
Electronic markets and agents and brokers.....	425	151.0	153.3	150.3	-	-	239.5	248.0	238.2	-	-	
Business to business electronic markets.....	42511	46.2	45.9	46.6	-	-	66.0	65.3	64.9	-	-	
Wholesale trade agents and brokers.....	42512	166.3	169.1	165.7	-	-	258.5	268.2	257.6	-	-	
Retail trade.....		102.2	101.1	102.5	102.9	0.4	129.8	130.3	131.6	132.8	0.9	
Motor vehicle and parts dealers.....	441	112.3	113.9	114.1	-	-	133.8	136.6	137.2	-	-	
Automobile dealers.....	4411	109.8	113.1	112.4	-	-	125.1	128.6	129.8	-	-	
New car dealers.....	44111	105.4	108.2	107.5	-	-	120.1	122.0	123.4	-	-	
Used car dealers.....	44112	167.0	175.0	176.1	-	-	212.6	243.1	242.7	-	-	
Other motor vehicle dealers.....	4412	117.4	117.0	120.5	-	-	164.0	168.4	167.4	-	-	
Auto parts, accessories, and tire stores.....	4413	116.6	115.3	116.2	-	-	156.6	156.9	155.5	-	-	
Automotive parts and accessories stores.....	44131	115.7	113.7	114.6	-	-	163.5	162.5	160.3	-	-	
Tire dealers.....	44132	118.4	118.0	119.4	-	-	144.0	146.0	146.3	-	-	
Furniture and home furnishings stores.....	442	87.9	91.5	93.5	-	-	113.8	122.2	125.3	-	-	
Furniture stores.....	4421	87.3	91.1	92.6	-	-	110.9	118.4	121.4	-	-	
Home furnishings stores.....	4422	88.3	91.9	94.6	-	-	117.4	127.6	130.9	-	-	
Floor covering stores.....	44221	70.5	73.1	73.8	-	-	96.5	102.6	103.9	-	-	
Other home furnishings stores.....	44229	102.7	107.0	111.2	-	-	140.9	155.2	160.6	-	-	
Electronics and appliance stores.....	443	104.3	105.8	105.3	-	-	149.2	154.6	150.7	-	-	
Household appliance stores.....	443141	69.7	64.6	63.6	-	-	86.3	82.0	82.5	-	-	
Electronics stores.....	443142	111.0	113.5	113.1	-	-	158.9	165.5	161.0	-	-	
Building material and garden supply stores.....	444	98.7	105.0	105.0	-	-	121.8	130.7	130.6	-	-	
Building material and supplies dealers.....	4441	96.5	101.1	101.5	-	-	118.5	125.6	125.8	-	-	
Home centers.....	44411	107.1	112.9	112.4	-	-	123.7	133.6	133.7	-	-	
Hardware stores.....	44413	85.7	90.1	90.9	-	-	107.6	120.7	122.0	-	-	
Lawn and garden equipment and supplies stores...	4442	114.8	133.5	131.0	-	-	146.6	171.7	169.4	-	-	
Food and beverage stores.....	445	95.9	91.6	94.3	-	-	114.7	109.7	112.5	-	-	
Grocery stores.....	4451	97.4	92.7	95.3	-	-	117.5	112.0	114.7	-	-	
Supermarkets and other grocery stores.....	44511	96.5	91.5	94.4	-	-	116.4	110.5	113.5	-	-	
Convenience stores.....	44512	116.1	113.7	114.3	-	-	147.0	146.2	148.9	-	-	
Specialty food stores.....	4452	80.0	75.9	79.2	-	-	91.5	86.2	88.7	-	-	
Meat markets and fish and seafood markets.....	44521,2	100.5	90.6	92.1	-	-	122.5	114.9	115.4	-	-	
Beer, wine, and liquor stores.....	4453	95.8	97.4	100.8	-	-	103.2	106.8	111.6	-	-	
Health and personal care stores.....	446	101.9	101.6	101.1	-	-	140.2	141.8	140.5	-	-	
Pharmacies and drug stores.....	44611	97.2	95.4	95.7	-	-	137.6	139.9	140.1	-	-	
Cosmetic and beauty supply stores.....	44612	123.5	122.1	116.6	-	-	141.9	139.2	133.6	-	-	
Optical goods stores.....	44613	127.4	135.3	134.1	-	-	191.9	195.9	185.0	-	-	
Other health and personal care stores.....	44619	97.6	103.2	101.0	-	-	128.0	127.4	122.2	-	-	
Gasoline stations.....	447	103.3	102.4	103.4	-	-	133.7	134.8	137.5	-	-	
Gasoline stations with convenience stores.....	44711	107.9	106.7	107.9	-	-	140.6	141.3	144.6	-	-	
Other gasoline stations.....	44719	79.2	80.2	79.2	-	-	103.4	105.6	104.9	-	-	
Clothing and clothing accessories stores.....	448	92.0	89.7	91.7	-	-	113.8	115.4	118.6	-	-	
Clothing stores.....	4481	91.3	88.0	90.0	-	-	108.0	109.1	111.8	-	-	
Women's clothing stores.....	44812	121.8	119.6	119.7	-	-	144.8	160.5	158.6	-	-	
Family clothing stores.....	44814	76.5	72.6	75.2	-	-	85.6	86.2	89.9	-	-	
Clothing accessories stores.....	44815	135.7	133.4	124.3	-	-	184.0	179.0	166.2	-	-	
Shoe stores.....	4482	113.9	116.1	118.5	-	-	178.2	184.8	189.3	-	-	
Jewelry, luggage, and leather goods stores.....	4483	77.2	77.1	78.1	-	-	95.9	97.8	101.9	-	-	
Sporting goods, hobby, book, and music stores.....	451	102.3	101.3	105.9	-	-	141.6	139.9	145.4	-	-	

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Percent change from: June 2016 - July 2016 <sup>P</sup>	Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	July 2015		May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	
Sporting goods and musical instrument stores.....	4511	118.6	117.0	123.5	-	-	161.1	157.9	164.4	-	-	
Sporting goods stores.....	45111	152.7	148.3	157.0	-	-	202.9	195.0	203.1	-	-	
Hobby, toy, and game stores.....	45112	83.2	89.3	92.1	-	-	99.6	115.7	119.4	-	-	
Book stores and news dealers.....	4512	53.2	54.0	51.5	-	-	74.7	78.4	78.6	-	-	
General merchandise stores.....	452	111.3	106.0	108.7	-	-	137.7	132.0	135.6	-	-	
Miscellaneous store retailers.....	453	87.6	87.8	86.6	-	-	112.1	112.4	112.0	-	-	
Florists.....	4531	44.3	56.1	46.5	-	-	54.2	69.7	58.9	-	-	
Office supplies, stationery, and gift stores.....	4532	62.5	55.2	55.4	-	-	86.2	73.0	73.4	-	-	
Office supplies and stationery stores.....	45321	64.5	56.6	55.9	-	-	90.9	74.6	73.4	-	-	
Gift, novelty, and souvenir stores.....	45322	60.6	53.8	55.2	-	-	79.4	70.8	73.8	-	-	
Used merchandise stores.....	4533	189.1	192.4	189.8	-	-	252.0	264.9	268.1	-	-	
Other miscellaneous store retailers.....	4539	107.1	112.4	113.0	-	-	133.6	144.7	145.6	-	-	
Pet and pet supplies stores.....	45391	150.6	163.4	159.5	-	-	216.2	238.5	241.9	-	-	
Nonstore retailers.....	454	112.8	116.5	116.0	-	-	179.0	181.7	178.0	-	-	
Electronic shopping and mail-order houses.....	4541	146.7	149.3	148.7	-	-	238.0	234.4	228.3	-	-	
Electronic shopping and electronic auctions.....	45411,2	379.3	396.3	391.3	-	-	703.9	673.4	645.6	-	-	
Mail-order houses.....	454113	76.6	74.8	75.3	-	-	91.6	96.2	96.8	-	-	
Transportation and warehousing.....		122.0	123.6	123.6	122.7	-0.7	161.2	164.5	164.8	163.6	-0.7	
Air transportation.....	481	72.2	73.1	71.4	-	-	142.5	151.5	148.8	-	-	
Truck transportation.....	484	121.3	118.5	120.2	-	-	158.8	159.7	161.7	-	-	
General freight trucking.....	4841	113.4	114.0	114.1	-	-	146.1	152.0	152.2	-	-	
General freight trucking, local.....	48411	114.3	109.7	109.9	-	-	148.8	152.7	152.2	-	-	
General freight trucking, long-distance.....	48412	113.2	115.7	115.6	-	-	145.3	152.1	152.4	-	-	
General freight trucking, long-distance TL.....	484121	106.2	110.3	110.4	-	-	139.6	147.4	148.3	-	-	
General freight trucking, long-distance LTL.....	484122	129.9	128.4	128.1	-	-	157.5	162.1	161.3	-	-	
Specialized freight trucking.....	4842	141.7	129.9	136.5	-	-	195.2	181.7	189.5	-	-	
Used household and office goods moving.....	48421	108.5	86.7	103.7	-	-	137.6	111.9	133.3	-	-	
Other specialized trucking, local.....	48422	151.1	139.7	142.9	-	-	212.6	198.7	203.9	-	-	
Other specialized trucking, long-distance.....	48423	153.9	150.5	153.5	-	-	207.2	203.5	205.3	-	-	
Transit and ground passenger transportation.....	485	115.3	140.2	126.5	-	-	147.0	181.7	167.3	-	-	
School and employee bus transportation.....	4854	75.6	149.0	112.5	-	-	105.5	201.4	160.1	-	-	
Other ground passenger transportation.....	4859	194.6	187.8	186.1	-	-	226.7	220.7	221.0	-	-	
Pipeline transportation.....	486	141.4	133.3	132.0	-	-	254.8	244.3	243.0	-	-	
Support activities for transportation.....	488	125.6	120.7	121.5	-	-	163.3	155.7	156.8	-	-	
Support activities for air transportation.....	4881	136.9	137.1	138.3	-	-	162.6	163.9	164.2	-	-	
Airport operations.....	48811	133.9	132.3	136.6	-	-	120.5	121.9	125.6	-	-	
Support activities for water transportation.....	4883	95.5	87.3	89.3	-	-	157.8	131.8	136.3	-	-	
Support activities for road transportation.....	4884	131.2	124.0	125.9	-	-	138.0	129.9	130.9	-	-	
Freight transportation arrangement.....	4885	129.2	129.1	127.4	-	-	174.4	179.7	177.9	-	-	
Support activities for other transportation, including rail.....	4882,9	131.3	111.7	112.8	-	-	183.2	167.5	168.0	-	-	
Couriers and messengers.....	492	136.2	145.7	145.4	-	-	163.3	171.7	172.4	-	-	
Warehousing and storage.....	493	171.9	182.5	186.4	-	-	179.4	193.7	198.2	-	-	
General warehousing and storage.....	49311	179.4	191.2	195.4	-	-	185.1	200.8	206.0	-	-	
Utilities.....	22	98.4	97.6	99.0	100.8	1.8	139.3	143.1	145.9	149.0	2.1	
Power generation and supply.....	2211	98.3	97.1	97.9	-	-	141.3	145.8	148.4	-	-	
Electric power generation.....	22111	61.2	61.3	62.0	-	-	90.5	93.3	95.6	-	-	
Fossil fuel electric power generation.....	221112	68.5	67.5	68.9	-	-	102.9	105.6	107.9	-	-	
Electric power transmission and distribution.....	22112	156.6	153.5	154.9	-	-	230.9	238.8	242.3	-	-	
Natural gas distribution.....	2212	94.4	93.1	95.1	-	-	130.5	132.0	133.4	-	-	
Water, sewage and other systems.....	2213	111.6	118.0	119.8	-	-	143.7	149.1	157.0	-	-	
Information.....	51	91.2	90.7	91.0	91.6	0.7	131.1	135.0	133.2	136.5	2.5	
Publishing industries, except Internet.....	511	99.5	100.3	98.4	-	-	163.5	161.6	153.8	-	-	

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Newspaper, book, and directory publishers.....	5111	85.2	82.3	80.7	-	-	134.1	124.6	120.7	-	-
Newspaper publishers.....	51111	80.9	76.5	75.2	-	-	103.7	99.9	98.6	-	-
Periodical publishers.....	51112	104.3	100.3	97.3	-	-	181.9	168.0	157.3	-	-
Software publishers.....	5112	122.9	130.1	127.6	-	-	187.9	192.6	181.5	-	-
Motion picture and sound recording industries.....	512	90.1	86.2	88.7	-	-	90.9	95.4	93.4	-	-
Broadcasting, except Internet.....	515	85.7	86.4	87.0	-	-	133.4	132.0	134.0	-	-
Radio broadcasting.....	51511	90.1	90.8	90.6	-	-	152.6	148.2	150.5	-	-
Telecommunications.....	517	74.3	70.8	72.8	-	-	97.2	99.5	102.7	-	-
Wired telecommunications carriers.....	5171	84.0	79.6	83.4	-	-	107.4	108.8	113.7	-	-
Telecommunications resellers.....	517911	34.0	31.3	30.3	-	-	40.4	35.9	34.9	-	-
Data processing, hosting and related services.....	518	109.6	112.3	110.3	-	-	173.4	188.2	180.7	-	-
Other information services.....	519	210.4	230.8	222.4	-	-	303.0	344.1	328.9	-	-
Financial activities.....		110.1	112.9	111.8	112.9	1.0	171.0	181.7	178.3	180.6	1.3
Credit intermediation and related activities.....	522	100.9	105.4	103.7	-	-	154.1	163.6	160.8	-	-
Depository credit intermediation.....	5221	98.6	103.0	101.1	-	-	153.9	162.4	159.5	-	-
Commercial banking.....	52211	100.8	106.0	103.4	-	-	161.2	170.5	166.3	-	-
Savings institutions.....	52212	63.6	63.3	63.4	-	-	92.7	94.3	95.9	-	-
Credit unions and other depository credit intermediation.....	52213,9	122.0	128.3	127.8	-	-	180.7	193.9	193.9	-	-
Nondepository credit intermediation.....	5222	94.5	97.7	95.9	-	-	140.2	147.3	144.3	-	-
Consumer lending.....	522291	112.2	116.2	115.2	-	-	137.5	142.8	138.4	-	-
Real estate credit.....	522292	88.5	90.6	89.7	-	-	127.3	132.2	130.4	-	-
Activities related to credit intermediation.....	5223	135.4	145.2	144.4	-	-	199.5	224.7	221.0	-	-
Financial transaction processing and clearing.....	52232	207.4	218.0	221.3	-	-	425.2	431.1	415.5	-	-
Securities, commodity contracts, investments, and funds and trusts.....	523,5	128.3	132.8	128.8	-	-	226.2	244.2	235.6	-	-
Securities brokerage.....	52312	105.9	107.9	105.2	-	-	168.9	180.1	173.7	-	-
Securities and commodity contracts brokerage and exchanges.....	5231,2	103.2	106.8	102.9	-	-	190.5	206.0	197.8	-	-
Other financial investment activities, including funds and trusts.....	5239; 525	170.0	176.8	172.4	-	-	283.4	307.1	296.9	-	-
Portfolio management.....	52392	159.5	160.5	156.3	-	-	268.3	293.4	284.8	-	-
Investment advice.....	52393	215.8	228.2	223.3	-	-	359.2	373.3	362.2	-	-
Insurance carriers and related activities.....	524	114.3	118.1	116.4	-	-	167.9	179.1	174.7	-	-
Insurance carriers.....	5241	104.1	106.5	106.3	-	-	155.5	165.9	163.2	-	-
Direct life and health insurance carriers.....	52411	114.7	116.7	115.8	-	-	176.2	187.4	183.0	-	-
Direct insurers, except life and health.....	52412	93.9	96.6	97.2	-	-	134.1	143.6	142.8	-	-
Reinsurance carriers.....	52413	83.1	91.2	89.0	-	-	209.2	220.7	208.0	-	-
Insurance agencies, brokerages, and related services.....	5242	135.0	141.0	136.9	-	-	195.8	207.8	200.8	-	-
Insurance agencies and brokerages.....	52421	132.5	139.1	135.2	-	-	196.1	203.9	196.9	-	-
Other insurance-related activities.....	52429	140.9	145.6	140.8	-	-	195.0	216.7	209.3	-	-
Third-party administration of insurance funds.....	524292	136.7	138.6	134.9	-	-	183.7	202.9	197.2	-	-
Real estate.....	531	115.8	116.8	117.5	-	-	176.5	188.3	187.9	-	-
Lessors of real estate.....	5311	93.1	92.9	92.7	-	-	141.7	145.5	144.7	-	-
Lessors of residential buildings.....	53111	90.1	90.3	90.5	-	-	133.1	136.2	136.2	-	-
Lessors of nonresidential buildings.....	53112	90.8	89.9	88.6	-	-	154.9	161.0	158.2	-	-
Offices of real estate agents and brokers.....	5312	101.6	102.4	105.0	-	-	158.8	173.1	178.4	-	-
Activities related to real estate.....	5313	157.1	159.5	160.3	-	-	229.0	248.1	245.0	-	-
Real estate property managers.....	53131	157.9	158.9	159.8	-	-	230.9	246.3	243.7	-	-
Residential property managers.....	531311	166.2	167.3	169.4	-	-	239.4	257.8	255.3	-	-
Nonresidential property managers.....	531312	138.9	139.9	137.6	-	-	215.5	225.5	222.2	-	-
Rental and leasing services.....	532	99.7	93.6	98.4	-	-	141.1	140.5	145.4	-	-
Home health equipment rental.....	532291	135.6	131.5	124.2	-	-	150.7	133.3	126.9	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
General rental centers.....	5323	77.7	75.5	84.0	-	-	78.2	77.7	82.8	-	-
Machinery and equipment rental and leasing.....	5324	129.8	124.2	128.8	-	-	199.9	197.8	206.8	-	-
Heavy machinery rental and leasing.....	53241	122.7	108.2	114.3	-	-	192.1	185.9	196.8	-	-
Office equipment and other machinery rental and leasing.....	53242,9	139.6	147.2	149.5	-	-	210.1	214.3	220.5	-	-
Professional and business services.....		129.1	132.4	132.3	132.0	-0.2	189.3	201.0	198.3	199.2	0.5
Professional and technical services.....	54	136.4	142.2	140.9	-	-	203.5	220.1	214.3	-	-
Legal services.....	5411	100.5	103.3	101.4	-	-	146.1	157.0	152.9	-	-
Offices of lawyers.....	54111	99.5	102.1	100.1	-	-	145.4	156.4	152.0	-	-
Other legal services.....	54119	116.4	121.4	120.7	-	-	164.7	175.8	175.6	-	-
Title abstract and settlement offices.....	541191	97.3	105.7	105.0	-	-	118.9	136.6	137.4	-	-
Accounting and bookkeeping services.....	5412	108.0	114.9	112.0	-	-	166.4	177.3	170.3	-	-
Offices of certified public accountants.....	541211	116.2	120.6	117.9	-	-	173.2	177.6	170.4	-	-
Payroll services.....	541214	134.6	150.1	153.0	-	-	225.2	240.4	239.8	-	-
Architectural and engineering services.....	5413	116.9	116.9	119.4	-	-	172.5	177.0	178.8	-	-
Architectural services.....	54131	102.8	104.5	104.1	-	-	145.7	153.2	151.5	-	-
Landscape architectural services.....	54132	88.7	94.1	98.7	-	-	147.5	154.4	162.4	-	-
Engineering and drafting services.....	54133,4	123.4	123.0	125.4	-	-	182.0	185.0	186.3	-	-
Building inspection, surveying, and mapping services.....	54135,6,7	105.4	96.7	97.2	-	-	144.5	155.1	156.4	-	-
Testing laboratories.....	54138	112.2	116.9	122.0	-	-	163.0	171.4	177.3	-	-
Specialized design services.....	5414	118.2	124.7	124.1	-	-	190.4	204.9	200.2	-	-
Graphic design services.....	54143	97.7	105.9	103.6	-	-	171.4	184.1	179.7	-	-
Computer systems design and related services.....	5415	171.1	184.2	177.7	-	-	237.9	264.6	251.2	-	-
Custom computer programming services.....	541511	163.0	176.2	169.6	-	-	226.4	251.0	237.8	-	-
Computer systems design services.....	541512	206.2	222.8	215.0	-	-	275.3	305.0	288.4	-	-
Management and technical consulting services.....	5416	215.0	224.6	223.2	-	-	303.0	328.9	320.1	-	-
Management consulting services.....	54161	199.8	216.4	212.3	-	-	275.8	311.7	301.2	-	-
Administrative management consulting services..	541611	210.8	224.9	220.7	-	-	326.1	362.7	348.4	-	-
Marketing consulting services.....	541613	332.2	360.6	351.6	-	-	432.3	473.9	459.3	-	-
Process and logistics consulting services.....	541614	212.4	225.7	222.9	-	-	223.4	267.5	261.4	-	-
Scientific research and development services.....	5417	133.5	138.8	139.2	-	-	211.5	230.4	228.4	-	-
Research and development in the physical, engineering, and life sciences.....	54171	139.9	146.3	146.8	-	-	222.0	243.7	241.6	-	-
Biotechnology research.....	541711	142.1	152.9	150.1	-	-	208.9	246.1	238.3	-	-
Physical, engineering, and life sciences research.....	541712	139.1	144.0	146.0	-	-	225.9	242.8	243.0	-	-
Social science and humanities research.....	54172	85.0	81.2	82.2	-	-	120.7	116.6	116.8	-	-
Advertising and related services.....	5418	120.1	133.0	129.0	-	-	191.4	227.2	214.3	-	-
Advertising agencies.....	54181	142.1	148.7	144.3	-	-	221.2	239.4	226.3	-	-
Public relations agencies.....	54182	117.8	135.1	126.8	-	-	175.2	217.1	198.7	-	-
Advertising material distribution and other advertising services.....	54187,9	134.6	155.4	156.3	-	-	188.3	234.0	237.2	-	-
Other professional and technical services.....	5419	151.5	153.2	156.4	-	-	229.0	241.1	244.3	-	-
Marketing research and public opinion polling.....	54191	99.5	86.3	88.2	-	-	158.8	135.7	134.7	-	-
Photographic services.....	54192	63.8	68.0	63.1	-	-	89.5	99.1	89.7	-	-
Veterinary services.....	54194	165.7	165.2	168.9	-	-	233.7	243.7	248.2	-	-
Miscellaneous professional and technical services..	54193,9	308.6	340.0	354.1	-	-	489.9	578.6	598.2	-	-
Management of companies and enterprises.....	55	130.0	132.2	133.8	-	-	218.2	224.1	224.2	-	-
Offices of bank holding companies and of other holding companies.....	551111,2	109.5	108.0	110.6	-	-	163.9	171.3	174.0	-	-
Managing offices.....	551114	131.2	133.5	135.0	-	-	221.9	227.6	227.5	-	-
Administrative and waste services.....	56	123.0	124.4	125.4	-	-	161.8	168.0	169.8	-	-
Administrative and support services.....	561	122.6	124.5	125.4	-	-	161.6	168.7	170.2	-	-
Office administrative services.....	5611	175.9	187.7	186.0	-	-	279.0	317.6	313.1	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Facilities support services.....	5612	148.9	145.5	148.1	-	-	158.3	162.9	168.3	-	-
Employment services.....	5613	114.4	115.3	115.7	-	-	146.5	148.8	149.6	-	-
Employment placement agencies and executive search services.....	56131	104.0	107.3	105.0	-	-	170.5	179.3	173.6	-	-
Temporary help services.....	56132	137.4	138.3	139.0	-	-	172.5	174.5	176.2	-	-
Professional employer organizations.....	56133	50.2	49.2	49.8	-	-	64.2	64.2	64.7	-	-
Business support services.....	5614	127.3	131.6	131.3	-	-	168.6	183.1	182.2	-	-
Telephone call centers.....	56142	160.7	162.7	163.8	-	-	225.8	232.7	234.3	-	-
Business service centers.....	56143	91.5	99.5	97.4	-	-	114.7	136.3	135.2	-	-
Collection agencies.....	56144	92.8	95.1	93.3	-	-	124.9	133.1	128.5	-	-
Travel arrangement and reservation services.....	5615	87.1	87.9	88.4	-	-	129.8	141.9	140.0	-	-
Travel agencies.....	56151	72.7	75.3	76.6	-	-	97.1	101.1	103.2	-	-
Investigation and security services.....	5616	120.4	122.5	122.6	-	-	165.9	173.4	175.0	-	-
Security and armored car services.....	56161	117.5	120.3	120.2	-	-	159.9	168.6	169.4	-	-
Security systems services.....	56162	138.1	135.8	138.7	-	-	191.0	193.4	199.9	-	-
Services to buildings and dwellings.....	5617	138.9	140.1	143.0	-	-	184.0	191.8	197.4	-	-
Exterminating and pest control services.....	56171	146.5	150.9	155.5	-	-	217.8	230.5	236.3	-	-
Janitorial services.....	56172	125.1	129.4	128.2	-	-	160.5	173.4	173.9	-	-
Landscaping services.....	56173	157.9	157.3	164.2	-	-	209.7	213.7	224.1	-	-
Carpet and upholstery cleaning services.....	56174	92.7	93.7	99.2	-	-	132.2	127.3	136.7	-	-
Other services to buildings and dwellings.....	56179	145.7	122.8	129.3	-	-	157.7	153.1	156.6	-	-
Other support services.....	5619	98.8	108.6	111.7	-	-	125.3	138.7	143.5	-	-
Packaging and labeling services.....	56191	114.1	127.9	132.8	-	-	165.8	188.6	197.4	-	-
Convention and trade show organizers.....	56192	75.3	89.2	89.3	-	-	86.6	107.1	106.9	-	-
All other support services.....	56199	101.0	108.4	111.3	-	-	136.0	143.3	149.3	-	-
Waste management and remediation services.....	562	130.1	124.3	129.1	-	-	164.4	158.5	166.1	-	-
Waste collection.....	5621	153.9	151.7	155.5	-	-	197.4	204.0	208.9	-	-
Waste treatment and disposal.....	5622	88.5	88.8	91.0	-	-	130.3	128.3	133.2	-	-
Remediation and other waste services.....	5629	151.7	135.2	144.5	-	-	170.9	151.0	163.9	-	-
Education and health services.....		130.7	137.1	135.1	134.8	-0.2	190.7	202.3	198.8	200.3	0.8
Health care and social assistance.....	62	133.9	138.9	138.0	-	-	196.7	206.9	204.8	-	-
Health care <sup>5</sup> .....	621,2,3	131.6	134.9	134.8	-	-	197.5	205.9	204.6	-	-
Ambulatory health care services.....	621	149.3	155.2	154.3	-	-	223.2	236.4	233.2	-	-
Offices of physicians.....	6211	130.8	134.2	132.8	-	-	224.1	232.6	228.9	-	-
Offices of physicians, except mental health....	621111	130.9	134.4	133.0	-	-	225.1	233.7	230.1	-	-
Offices of mental health physicians.....	621112	129.2	122.2	121.6	-	-	170.8	171.0	167.7	-	-
Offices of dentists.....	6212	123.8	131.6	129.9	-	-	166.6	181.6	178.3	-	-
Offices of other health practitioners.....	6213	158.7	171.5	169.4	-	-	224.1	247.1	240.7	-	-
Offices of chiropractors.....	62131	131.7	142.1	138.8	-	-	185.8	197.0	192.2	-	-
Offices of optometrists.....	62132	151.3	149.1	151.1	-	-	209.7	211.1	210.5	-	-
Offices of mental health practitioners.....	62133	105.1	118.0	113.4	-	-	132.9	147.7	143.0	-	-
Offices of specialty therapists.....	62134	178.4	196.0	192.3	-	-	251.6	280.1	270.7	-	-
Offices of all other health practitioners.....	62139	199.5	220.0	223.2	-	-	280.5	325.1	322.4	-	-
Outpatient care centers.....	6214	193.4	202.2	202.2	-	-	281.1	300.8	298.7	-	-
Outpatient mental health centers.....	62142	160.9	166.6	166.1	-	-	200.1	214.8	211.6	-	-
Outpatient care centers, except mental health.....	62141,9	209.8	220.2	220.8	-	-	316.6	338.6	337.3	-	-
Freestanding emergency medical centers....	621493	201.3	208.6	207.7	-	-	322.4	323.8	319.4	-	-
Miscellaneous outpatient care centers.....	621410,98	202.6	212.1	213.0	-	-	299.7	328.8	328.6	-	-
Medical and diagnostic laboratories.....	6215	151.5	152.2	149.3	-	-	208.5	219.1	213.2	-	-
Medical laboratories.....	621511	154.4	154.9	151.6	-	-	209.4	228.0	222.2	-	-
Diagnostic imaging centers.....	621512	144.4	145.9	142.6	-	-	207.1	197.9	190.1	-	-
Home health care services.....	6216	192.1	203.4	205.1	-	-	247.7	273.6	273.8	-	-
Other ambulatory health care services.....	6219	155.9	157.5	155.8	-	-	228.8	235.6	232.3	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Ambulance services.....	62191	156.8	164.7	164.5	-	-	217.8	232.4	234.0	-	-
All other ambulatory health care services.....	62199	154.9	146.9	143.0	-	-	243.2	240.0	230.9	-	-
Hospitals.....	622	122.9	125.9	126.8	-	-	193.1	200.3	200.0	-	-
General medical and surgical hospitals.....	6221	119.9	122.8	123.6	-	-	190.4	196.9	196.4	-	-
Nursing and residential care facilities.....	623	117.9	118.9	118.2	-	-	152.2	156.0	155.6	-	-
Nursing care facilities.....	6231	103.8	103.8	103.2	-	-	136.0	139.4	138.8	-	-
Residential mental health facilities.....	6232	126.4	129.0	129.4	-	-	163.7	168.6	170.2	-	-
Residential intellectual and developmental disability facilities.....	62321	120.5	120.6	121.7	-	-	148.1	150.5	153.2	-	-
Residential mental health and substance abuse facilities.....	62322	140.1	147.1	146.9	-	-	194.7	203.4	204.3	-	-
Community care facilities for the elderly.....	6233	159.5	162.8	160.6	-	-	206.9	213.6	212.4	-	-
Continuing care retirement communities.....	623311	192.8	194.7	193.7	-	-	253.5	260.1	260.2	-	-
Assisted living facilities for the elderly.....	623312	131.9	136.6	133.5	-	-	164.2	171.3	169.1	-	-
Other residential care facilities.....	6239	93.8	95.8	96.0	-	-	120.8	123.1	122.6	-	-
Social assistance.....	624	149.7	160.9	156.9	-	-	194.5	213.4	208.0	-	-
Individual and family services.....	6241	204.0	214.1	211.3	-	-	255.9	274.7	271.7	-	-
Child and youth services.....	62411	129.1	129.2	128.1	-	-	167.5	179.1	175.4	-	-
Services for the elderly and persons with disabilities.....	62412	261.1	273.3	270.5	-	-	333.7	355.9	354.5	-	-
Other individual and family services.....	62419	126.1	137.7	134.4	-	-	177.8	196.2	191.7	-	-
Emergency and other relief services.....	6242	121.2	127.7	127.3	-	-	168.8	183.0	179.8	-	-
Vocational rehabilitation services.....	6243	90.9	89.0	89.1	-	-	120.7	118.2	117.1	-	-
Child day care services.....	6244	109.9	129.7	121.8	-	-	142.0	173.6	161.8	-	-
Leisure and hospitality.....		131.4	127.4	131.5	133.8	1.7	183.0	185.7	189.9	194.2	2.3
Arts, entertainment, and recreation.....	71	138.3	117.3	132.7	-	-	175.3	162.7	176.6	-	-
Performing arts and spectator sports.....	711	126.2	125.2	127.9	-	-	167.2	182.4	186.3	-	-
Performing arts companies.....	7111	99.0	97.9	99.7	-	-	159.5	181.8	182.3	-	-
Spectator sports.....	7112	121.3	114.6	119.1	-	-	136.2	149.3	153.9	-	-
Arts and sports promoters and agents and managers for public figures.....	7113,4	171.1	183.3	188.5	-	-	220.0	242.4	257.4	-	-
Independent artists, writers, and performers.....	7115	132.1	128.0	120.0	-	-	204.7	198.6	184.6	-	-
Museums, historical sites, and similar institutions.....	712	138.1	133.0	144.0	-	-	174.8	182.0	189.3	-	-
Museums.....	71211	119.6	119.2	126.2	-	-	148.2	163.5	167.1	-	-
Historical sites and other similar institutions.....	71212,3,9	168.4	155.6	172.1	-	-	230.6	220.4	234.0	-	-
Amusements, gambling, and recreation.....	713	141.1	114.1	132.9	-	-	178.0	153.0	171.1	-	-
Gambling industries.....	7132	95.7	96.4	98.2	-	-	139.3	148.7	149.3	-	-
Golf courses and country clubs.....	71391	162.7	136.8	162.5	-	-	198.0	179.6	205.9	-	-
Skiing facilities.....	71392	87.0	60.9	72.9	-	-	130.7	109.1	127.6	-	-
Marinas.....	71393	132.2	123.2	140.5	-	-	176.8	176.3	192.1	-	-
Fitness and recreational sports centers.....	71394	126.3	100.2	116.1	-	-	142.2	127.1	141.0	-	-
Bowling centers.....	71395	68.4	68.1	66.7	-	-	87.4	90.2	89.0	-	-
Accommodation and food services.....	72	130.3	129.6	131.5	-	-	184.8	191.9	193.6	-	-
Accommodation.....	721	119.6	108.1	115.5	-	-	161.1	153.3	159.7	-	-
Traveler accommodation.....	7211	114.9	107.5	112.8	-	-	155.9	152.6	156.7	-	-
Hotels and motels, except casino hotels.....	72111	119.7	112.0	117.6	-	-	163.9	160.4	164.9	-	-
RV parks and recreational camps.....	7212	338.2	130.4	244.0	-	-	412.4	175.1	304.3	-	-
Food services and drinking places.....	722	132.8	134.5	135.5	-	-	192.0	203.3	204.0	-	-
Special food services.....	7223	120.3	125.3	117.1	-	-	168.4	180.1	170.2	-	-
Food service contractors.....	72231	119.3	122.0	109.8	-	-	163.1	169.8	154.3	-	-
Caterers and mobile food services.....	72232,3	123.4	135.7	140.5	-	-	186.7	216.7	226.9	-	-
Drinking places, alcoholic beverages.....	7224	93.2	96.8	96.6	-	-	143.3	170.7	168.7	-	-
Restaurants and other eating places.....	7225	135.5	137.1	138.1	-	-	196.3	207.4	208.0	-	-
Full-service restaurants.....	722511	132.1	134.2	134.6	-	-	201.9	214.3	214.0	-	-

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 adjusted<sup>1</sup> — Continued**

[2002=100]

Industry	2012 NAICS code	Index of aggregate weekly hours <sup>2</sup>					Index of aggregate weekly payrolls <sup>3</sup>				
		July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>	July 2015	May 2016	June 2016 <sup>P</sup>	July 2016 <sup>P</sup>	Percent change from: June 2016 - July 2016 <sup>P</sup>
Limited-service restaurants.....	722513	136.0	137.4	139.2	-	-	183.0	192.7	194.9	-	-
Cafeterias, grill buffets, and buffets.....	722514	84.1	85.6	82.4	-	-	108.9	113.7	108.1	-	-
Snack and nonalcoholic beverage bars.....	722515	204.0	198.5	209.3	-	-	281.4	282.9	296.6	-	-
Other services.....	81	102.3	102.9	103.8	104.0	0.2	140.7	144.5	144.5	144.5	0.0
Repair and maintenance.....	811	107.1	107.7	108.5	-	-	141.4	144.3	144.8	-	-
Automotive repair and maintenance.....	8111	104.0	106.3	107.5	-	-	135.6	140.7	141.7	-	-
Automotive mechanical and electrical repair.....	81111	103.8	105.5	105.0	-	-	135.2	138.2	138.2	-	-
General automotive repair.....	811111	116.9	118.5	117.3	-	-	149.7	152.8	151.7	-	-
Automotive body, interior, and glass repair.....	81112	100.9	104.8	102.8	-	-	133.1	141.3	138.4	-	-
Other automotive repair and maintenance.....	81119	109.4	109.7	119.2	-	-	144.4	146.1	160.9	-	-
Car washes.....	811192	118.1	115.2	128.3	-	-	155.5	154.7	175.6	-	-
Auto oil change shops and all other auto repair and maintenance.....	811191,8	97.1	102.4	106.5	-	-	131.1	136.4	143.4	-	-
Electronic equipment repair and maintenance.....	8112	100.3	95.1	93.2	-	-	132.4	124.6	120.9	-	-
Computer and office machine repair.....	811212	88.2	84.8	81.1	-	-	114.5	110.9	104.2	-	-
Miscellaneous electronic equipment repair and maintenance.....	811211,3,9	110.3	103.6	103.4	-	-	146.6	135.6	134.6	-	-
Commercial machinery repair and maintenance.....	8113	138.5	136.2	135.8	-	-	187.2	192.3	192.0	-	-
Household goods repair and maintenance.....	8114	85.6	84.1	84.6	-	-	106.3	102.7	101.3	-	-
Personal and laundry services.....	812	103.6	107.8	107.2	-	-	138.4	148.7	146.4	-	-
Personal care services.....	8121	117.7	125.9	124.6	-	-	169.0	186.2	184.6	-	-
Hair, nail, and skin care services.....	81211	107.3	114.9	114.2	-	-	148.7	165.3	165.4	-	-
Other personal care services.....	81219	196.9	209.3	203.1	-	-	337.8	360.7	343.9	-	-
Death care services.....	8122	93.4	99.4	93.1	-	-	116.9	139.5	124.7	-	-
Drycleaning and laundry services.....	8123	79.1	81.5	82.2	-	-	100.2	104.8	105.0	-	-
Coin-operated laundries and drycleaners.....	81231	72.9	82.7	81.4	-	-	86.8	100.1	98.8	-	-
Drycleaning and laundry services, except coin-operated.....	81232	63.7	65.3	65.1	-	-	81.7	86.3	86.9	-	-
Linen and uniform supply.....	81233	101.1	102.3	104.6	-	-	121.7	124.3	124.3	-	-
Other personal services.....	8129	125.1	124.5	126.4	-	-	152.8	150.5	151.4	-	-
Pet care services, except veterinary.....	81291	312.9	300.0	320.8	-	-	355.8	333.4	357.9	-	-
Parking lots and garages.....	81293	131.0	129.5	127.4	-	-	161.0	163.5	157.3	-	-
Membership associations and organizations.....	813	99.7	98.6	100.1	-	-	141.4	143.3	143.8	-	-
Grantmaking and giving services.....	8132	140.1	143.5	137.8	-	-	256.0	264.8	248.4	-	-
Grantmaking foundations.....	813211	245.7	256.8	247.1	-	-	447.3	471.1	442.3	-	-
Social advocacy organizations.....	8133	120.3	121.7	121.1	-	-	176.7	192.2	186.7	-	-
Human rights organizations.....	813311	110.3	110.2	111.7	-	-	152.0	160.4	161.0	-	-
Environment, conservation, and other social advocacy organizations.....	813312,9	123.2	125.2	123.8	-	-	185.0	203.1	195.4	-	-
Civic and social organizations.....	8134	95.0	78.8	88.0	-	-	115.3	106.7	113.9	-	-
Professional and similar organizations.....	8139	95.9	97.8	102.9	-	-	136.9	143.3	149.1	-	-
Business associations.....	81391	93.3	99.3	98.6	-	-	135.8	149.2	145.0	-	-
Professional organizations.....	81392	130.9	138.7	136.0	-	-	197.6	212.4	205.0	-	-
Labor unions and similar labor organizations.....	81393	75.0	77.0	83.6	-	-	106.7	109.3	115.9	-	-
Miscellaneous professional and similar organizations.....	81394,9	101.9	97.8	109.8	-	-	150.4	147.8	174.7	-	-

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Includes motor vehicles, motor vehicle bodies and trailers, and motor vehicle parts.

<sup>5</sup> Includes ambulatory health care services, hospitals, and nursing and residential care facilities.

