Payroll employment in 2007: job growth slows

Employment grew by just 0.8 percent in 2007, the lowest rate in 4 years; construction, manufacturing, retail trade, and transportation and warehousing were among the industries suffering losses, while health care, professional and technical services, food services and drinking places, and local government expanded

Robyn J. Richards

onfarm payroll employment, as measured by the Current Employment Statistics (CES) survey, increased by slightly more than 1 million in 2007, to a level of 138.1 million. Job growth slowed from 1.6 percent in 2006 to 0.8 percent in 2007, the lowest annual growth rate since 2003. (See chart 1.)

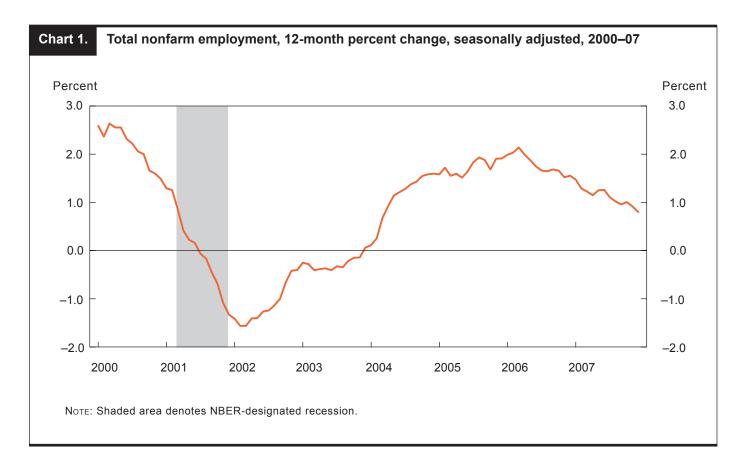
Employment trends varied by industry. (See table 1.) Deceleration in the housing market and problems with subprime mortgages had a negative effect on employment in construction and other housing-related industries. Manufacturing continued its longterm contraction, while health care, professional and technical services, food services and drinking places, and local government continued to expand. Employment services, which had hit a high point in August 2006, lost jobs throughout most of 2007. Increased prices for crude oil and related commodities spurred growth in oil and gas extraction. However, high fuel prices and weakened consumer confidence were reflected in constrained job growth in retail trade and in transportation and warehousing.

Signs of a sluggish economy

Many economic indicators pointed to a sluggish economy in 2007. (See table 2.) The 1-month diffusion index for total private employment fell below 50 for the first time since 2003. This index is based on the number of industries adding or subtracting jobs. An index value above 50 indicates that more industries are adding than losing jobs, whereas a value below 50 indicates that more industries are losing than adding jobs. The Conference Board's leading index, which ticked down in the first half of 2007, saw declines accelerate in the fourth quarter.² The leading index is composed of 10 economic indicators, including CES average weekly hours in manufacturing, that usually peak or bottom ahead of the business cycle. The factory workweek was unchanged over the year, and overtime hours edged down. The Conference Board's coincident index, which includes four indicators that tend to move with the business cycle, registered minimal gains in 2007.3 Average weekly hours for private industries have remained essentially flat since the end of 2001, and the rate of growth for the index of private aggregate weekly hours slowed in 2007 to less than half that of the previous 3 years. The index of aggregate weekly payrolls rose at the slowest rate since 2003, while real average hourly earnings declined almost a full percentage point over the year.4

Declines in several industries accounted for much of the slowing in overall employment growth. Over the year, employment services lost 131,000 jobs and ended 2007

Robyn J. Richards is an economist in the Division of Current **Employment Statistics.** E-mail: richards. robyn@bls.gov



almost 4 percent below its most recent peak of 3.7 million employees. (See chart 2.) Temporary help services, which gained 16,000 employees in 2006, cut employment by 79,000, or 3.0 percent of its workforce, in 2007.

Shedding more than one-quarter million jobs in 2007, manufacturing experienced its steepest decline since 2003. None of the diffusion indexes (1-, 3-, 6-, and 12-month) for manufacturing were able to climb above 50 in 2007. The 1-month diffusion index hit a 43-month low of 29.8 in April and ended the year 7.6 percent lower than in December 2006. Reducing employment by 79,000, motor vehicles and parts posted its largest annual loss since 2001, almost 8 percent of the industry's workforce. Machinery employment, which had been a bright spot for manufacturing, was essentially flat over the year. Computer and electronic products trimmed its workforce in 2007 by 40,000, or almost 2 times the previous 3 years' losses combined.

Crude oil and gasoline prices reached all-time highs in 2007. Petroleum and coal products manufacturing employment contracted by 3,000 employees, and gasoline stations lost 12,000. Prices for crude oil, nearing \$100 per barrel, ended 2007 more than 50 percent higher than at the end of 2006. At \$3.05 per gallon, average gasoline prices across

the Nation were more than 70 cents higher at the end of 2007 than at the end of 2006.5 Consumers worried about rising fuel costs and shopped less.⁶ Average monthly employment gains in clothing and clothing accessories stores dropped from 5,000 in 2006 to less than 2,000 in 2007. The transportation and warehousing industry, which benefits from increases in retail and manufacturing, expanded by almost 3 percent in 2006, but was virtually flat in 2007. Truck transportation, which accounts for almost one-third of employment in transportation and warehousing, lost 27,000 payroll jobs in 2007. Employment growth in mining slowed in 2007, to slightly more than half that of 2006. This slowdown was largely in support activities for mining, in which employment had expanded by 16.9 percent in 2006, but grew by only 6.1 percent in 2007. Growth in this sector has been constrained by infrastructure, with the number of operable oil refineries in the United States declining since 1982 and stagnant since 2003.⁷

Constituting more than two-thirds of the gross domestic product (GDP), consumer spending (personal consumption expenditures) was the primary force in the expansion of the U.S. economy in 2007.8 Real consumer spending grew by 2.9 percent, the slowest rate since 2003; and GDP excluding consumer spending barely moved, at

Table 1. Employees on nonfarm payrolls, by industry, seasonally adjusted, 2004–07

Industry					Employment change, December to December							
	Dec. 2004	Dec. 2005	Dec. 2006	Dec. 2007	2004	-05	2005-	-06	2006–07			
					Level (thousands)	Percent	Level (thousands)	Percent	Level (thousands)	Percent		
Total nonfarm	132 351	134,883	136 092	130 070	2,532	1.9	2,099	1.6	1,096	.8		
Total private					2,352	2.1	1,903	1.7	846	.0 .7		
Goods-producing	22,014	22,402	22,436	21,976	388	1.8	34	.2	-460	-2.1		
Natural resources and mining	602	652	706	739	50	8.3	54	8.3	33	4.7		
	67.1	64.8	62.4	60.6	-2.3	-3.4	-2.4	-3.7	-1.8	-2.9		
Logging	534.5	586.7	643.3	677.9	52.2	-3. 4 9.8	56.6	-3. <i>1</i> 9.6	34.6	-2.9 5.4		
Mining	1	1			1				1			
Oil and gas extraction	124.9	128.4	139.8	153.1	3.5	2.8	11.4	8.9	13.3	9.5		
Mining, except oil and gas	207.0	216.7	221.0	225.2	9.7	4.7	4.3	2.0	4.2	1.9		
Coal mining	71.2	75.9	77.9	78.3	4.7	6.6	2.0	2.6	.4	.5		
Support activities for mining	202.6	241.6	282.5	299.6	39.0	19.2	40.9	16.9	17.1	6.1		
Construction	7,125	7,545	7,697	7,465	420	5.9	152	2.0	-232	-3.0		
Construction of buildings	1,672.0	1,772.3	1,798.1	1,702.4	100.3	6.0	25.8	1.5	-95.7	-5.3		
Residential building	928.0	995.8	993.9	902.0	67.8	7.3	-1.9	2	-91.9	-9.2		
Nonresidential building Heavy and civil engineering	744.0	776.5	804.2	800.4	32.5	4.4	27.7	3.6	-3.8	5		
construction	917.7	961.9	1,001.6	993.8	44.2	4.8	39.7	4.1	-7.8	8		
Specialty trade contractors Residential specialty trade	4,535.6	4,811.0	4,896.9	4,768.4	275.4	6.1	85.9	1.8	-128.5	-2.6		
contractors	2,199.6	2,405.8	2,348.1	2,201.1	206.2	9.4	-57.7	-2.4	-147.0	-6.3		
Nonresidential specialty												
trade contractors	2,336.0	2,405.2	2,548.8	2,567.3	69.2	3.0	143.6	6.0	18.5	.7		
Manufacturing	14,287	14,205	14,033	13.772	-82	6	-172	-1.2	-261	-1.9		
Durable goods	8,954	8,973	8,925	8,739	19	.2	-48	5	-186	-2.1		
Wood products	555.6	568.9	536.5	507.2	13.3	2.4	-32.4	-5.7	-29.3	-5.5		
Nonmetallic mineral products.	509.3	506.3	508.2	496.4	-3.0	6	1.9	.4	-11.8	-2.3		
Primary metals	468.3	463.8	459.4	452.2	-4.5	-1.0	-4.4	9	-7.2	-1.6		
Fabricated metal products	1,510.8	1,533.5	1,562.9	_	22.7	1.5	29.4	1.9	2	.0		
Machinery Computer and electronic	1,150.6		1,187.2	1,191.0	21.9	1.9	14.7	1.3	3.8	.3		
products Computer and peripheral	1,315.5	1,311.1	1,297.6	1,257.6	-4.4	3	-13.5	-1.0	-40.0	-3.1		
equipment	204.1	201.6	193.7	185.4	-2.5	-1.2	-7.9	-3.9	-8.3	-4.3		
Communications equipment . Semiconductors and	142.2	140.6	131.1	129.0	-1.6	-1.2 -1.1	-9.5	-6.8	-2.1	-1.6		
electronic components	451.2	453.0	453.8	434.9	1.8	.4	.8	.2	-18.9	-4.2		
Electronic instruments Electrical equipment and	440.9	440.9	447.2	443.7	.0	.0	6.3	1.4	-3.5	8		
appliances	442.2	430.0	430.9	423.8	-12.2	-2.8	.9	.2	-7.1	-1.6		
Transportation equipment	1,775.9		1,749.3		-12.2 -1.5	-2.0 1	-25.1	-1.4	-64.6	-3.7		
Motor vehicles and parts Furniture and related		1,087.9	1,041.9	962.6	-23.1	-2.1	-46.0	-4.2	-79.3	-7.6		
products	576.3	567.3	546.3	523.8	-9.0	-1.6	-21.0	-3.7	-22.5	-4.1		
Miscellaneous manufacturing	649.7	645.4	646.4	639.9	-4.3	7	1.0	.2	-6.5	-1.0		
Nondurable goods	5,333	5,232	5,108	5,033	-4.3 -101	<i>1</i> -1.9	-124	-2.4	_0.5 _75	-1.0 -1.5		
Food manufacturing	1,482.8				-3.5	-1.9 2	-124 -5.9	-2.4 4	12.9	-1.5 .9		
Beverages and tobacco	100.0	100 -	40	1000	,	_						
_products	193.8	192.5	194.7	192.0	-1.3	7	2.2	1.1	-2.7	-1.4		
Textile mills	230.1	207.8	183.8	163.0	-22.3	-9.7	-24.0	-11.5	-20.8	-11.3		
Textile product mills	179.6	173.6	162.1	155.7	-6.0	-3.3	-11.5	-6.6	-6.4	-3.9		
Apparel	266.5	240.0	224.9	204.8	-26.5	-9.9	-15.1	-6.3	-20.1	-8.9		
Leather and allied products	40.0	39.8	34.9	33.7	2	5	-4.9	-12.3	-1.2	-3.4		
Paper and paper products Printing and related support	489.9	476.6	465.1	460.3	-13.3	-2.7	-11.5	-2.4	-4.8	-1.0		
activities	655.0	639.0	633.5	619.5	-16.0	-2.4	-5.5	9	-14.0	-2.2		
Petroleum and coal products.	111.7	111.0	114.4	111.7	7	6	3.4	3.1	-2.7	-2.4		
Chemicals	880.7	867.3	864.8	862.0	-13.4	-1.5	-2.5	3	-2.8	3		
Plastics and rubber products	802.7	805.0	756.6	744.2	2.3	.3	-48.4	-6.0	-12.4	-1.6		
						-			1			

Table 1. Continued—Employees on nonfarm payrolls, by industry, seasonally adjusted, 2004–07

					Employment change, December to December							
	D		Dec. 2006		3, 44 34							
Industry	Dec. 2004	Dec. 2005		Dec. 2007	2004–05		2005–06		2006–07			
					Level (thousands)	Percent	Level (thousands)	Percent	Level (thousands)	Percent		
Service-providing	110.337	112.481	114,546	116.102	2,144	1.9	2,065	1.8	1,556	1.4		
Private service-providing . Trade, transportation, and	88,623	90,594	92,463		1,971	2.2	1,869	2.1	1,306	1.4		
utilities	25,687	26,129	26,456	26,658	442	1.7	327	1.3	202	.8		
Wholesale trade	5,708.6	5,821.2	5,969.2		112.6	2.0	148.0	2.5	103.7	1.7		
Durable goods	2,968.1	3,035.9	3,098.9		67.8	2.3	63.0	2.1	46.1	1.5		
Nondurable goods	2,020.4	· '	2,057.1	1 '	4.0	.2	32.7	1.6	32.2	1.6		
Electronic markets and agents	,	,	,	,								
and brokers	720.1	760.9	813.2	838.6	40.8	5.7	52.3	6.9	25.4	3.1		
	15,125.4	15,356.9	15,412.8	15,487.8	231.5	1.5	55.9	.4	75.0	.5		
Motor vehicle and parts	4 000 4	4 0 4 4 0	4 0 4 0 7	4 000 0		•	4 -					
dealers	1,908.1		1,912.7		6.1	.3	-1.5	1	-3.4	2		
Automobile dealers	1,256.2	1,254.4	1,244.7	1,244.6	-1.8	- .1	-9.7	8	1	.0		
Furniture and home furnishings stores	572.1	579.2	587.1	584.5	7.1	1.2	7.9	1.4	-2.6	4		
Electronics and appliance												
stores	519.9	549.5	536.6	540.4	29.6	5.7	-12.9	-2.3	3.8	.7		
Building material and garden												
supply stores	1,251.4		1,317.5		50.0	4.0	16.1	1.2	-45.9	-3.5		
Food and beverage stores	2,808.7	2,817.1	2,827.4	2,871.9	8.4	.3	10.3	.4	44.5	1.6		
Health and personal care stores	942.0	963.3	974.0	999.9	21.3	2.3	10.7	1.1	25.9	2.7		
Gasoline stations	869.6	869.6	862.2	850.5	.0	.0	-7.4	9	-11.7	-1.4		
Clothing and clothing	003.0	003.0	002.2	030.3	.0	.0	-7.4	5		-1.4		
accessories stores	1,369.2	1,435.5	1,490.6	1,508.6	66.3	4.8	55.1	3.8	18.0	1.2		
Sporting goods, hobby, book,	,	,	,	,								
and music stores	640.8	649.4	648.5	661.6	8.6	1.3	9	1	13.1	2.0		
General merchandise stores	2,908.5	2,951.4	2,942.0	2,976.7	42.9	1.5	-9.4	3	34.7	1.2		
Department stores	1,609.5	1,583.7	1,553.6	1,568.4	-25.8	-1.6	-30.1	-1.9	14.8	1.0		
Miscellaneous store retailers .	907.2	891.9	872.0	866.3	-15.3	-1.7	-19.9	-2.2	-5.7	7		
Nonstore retailers	427.9	434.4	442.2	446.5	6.5	1.5	7.8	1.8	4.3	1.0		
Transportation and	4 007 4	4 000 7	4 505 0	4 500 0	4000	0.4	405.0	0.0	140	•		
warehousing	4,297.4		4,525.0		102.3	2.4	125.3	2.8	14.9	.3		
Air transportation	510.4	484.7	490.5	502.1	-25.7	-5.0 7	5.8	1.2	11.6	2.4		
Rail transportationWater transportation	227.9 56.4	226.3 63.4	232.0 64.4	232.5 64.4	-1.6 7.0	7 12.4	5.7 1.0	2.5 1.6	.5	.2 .0		
Truck transportation	1,369.1	1,414.2	1,449.7	1,423.1	45.1	3.3	35.5	2.5	-26.6	-1.8		
Transit and ground passenger	1,000.1	1,717.2	1,445.7	1,420.1	45.1	0.0	33.3	2.0	_20.0	-1.0		
transportation	389.2	394.2	401.1	411.8	5.0	1.3	6.9	1.8	10.7	2.7		
Pipeline transportation	37.8				.1	.3	1.1	2.9	1.8	4.6		
Scenic and sightseeing												
transportation	27.7	26.9	26.8	31.3	8	-2.9	1	4	4.5	16.8		
Support activities for	_											
transportation	547.4	560.4	575.3	587.1	13.0	2.4	14.9	2.7	11.8	2.1		
Couriers and messengers	559.9	576.5	590.3	588.1	16.6	3.0	13.8	2.4	-2.2	4		
Warehousing and storage	571.6	615.2 550.9	655.9 549.1	658.7	43.6 -4.8	7.6 9	40.7 -1.8	6.6 3	2.8 8.0	.4 1.5		
UtilitiesInformation	555.7 3,080	3,054	3,033	557.1 3,018	-4.8 -26	9 8	-1.8 -21	3 7	-15	5		
Publishing industries, except					-20	0		1				
Internet	903.8	903.3	902.2	889.7	5	1	-1.1	1	-12.5	-1.4		
Motion picture and sound	075.0	000 -	075.0	070 0	-	0.0		0.0		^		
recording industries	375.9	383.5	375.0	376.3	7.6	2.0	-8.5	-2.2	1.3	.3		
Broadcasting, except	327.2	327.9	220 4	321.9	-	2	2	1	-6.2	-1.9		
Internet Telecommunications	1,090.5	327.9 1,056.8	328.1 1,041.6		.7 –33.7	.2 –3.1	.2 –15.2	.1 –1.4	-0.2 -14.8	-1.9 -1.4		
Data processing, hosting	1,080.5	1,000.0	1,041.0	1,020.0	-55.7	-J. I	-13.2	-1.4	-14.0	-1.4		
and related services	265.1	262.6	264.4	273.5	-2.5	9	1.8	.7	9.1	3.4		
Other information services	117.0	120.3		129.3	3.3	2.8	1.1	.9	7.9	6.5		
See footnote at end of table.						-		-				

Table 1. Continued—Employees on nonfarm payrolls, by industry, seasonally adjusted, 2004–07

Financial activities	Industry					Employment change, December to December							
Internacial activities				I I		2004–05		2005-	-06	2006	-07		
Finance and insurance							Percent		Percent		Percent		
Monetary authorities—central banks 21.0 20.9 21.3 20.7 -1 -5 4 1.9 -6 -2.8	Financial activities	8,084	8,250	8,356	8,252	166	2.1	106	1.3		-1.2		
Central bank.		5,974.8	6,091.0	6,180.7	6,111.2	116.2	1.9	89.7	1.5	-69.5	-1.1		
related activities	central bank	21.0	20.9	21.3	20.7	1	5	.4	1.9	6	-2.8		
Intermediation	related activities	2,835.8	2,901.8	2,931.5	2,829.2	66.0	2.3	29.7	1.0	-102.3	-3.5		
Commercial banking 1,285.7 1,301.9 1,344.7 1,345.9 16.2 1.3 42.8 3.3 1.2 1.5	. ,	1 75/1	1 700 0	1 020 7	1 001 6	25.0	1.5	40.7	2.2	20	2		
Securities, commodity Contracts, investments 778.8 797.3 834.5 856.7 18.5 2.4 37.2 4.7 22.2 2.7		1 '			,					1 1			
contracts, investments. 778.8 797.3 834.5 856.7 18.5 2.4 37.2 4.7 22.2 2.7 Insurance carriers and related activities. 2.257.5 2.285.3 2.305.1 2.316.8 27.8 1.2 19.8 .9 11.7 .5 Funds, trusts, and other financial vehicles. 8.8 1.7 8.8 3.87.8 4.0 4.9 2.6 3.0 5 6 6 Real estate and rental and leasing services. 1.437.9 1.488.7 1.512.2 1.476.6 50.8 3.5 12.5 8 -24.8 -1.7 Real estate. 1.437.9 1.488.7 1.512.2 1.476.6 60.2 2.4 1.6.2 8 -34.7 -1.8 Real estate . 1.437.9 1.488.7 1.512.2 1.476.4 633.6 -2.6 -4 2.7 4.1 -1.8 -4.8 -1.18 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 <td>•</td> <td>1,200.7</td> <td>1,301.9</td> <td>1,544.7</td> <td>1,343.9</td> <td>10.2</td> <td>1.5</td> <td>42.0</td> <td>3.3</td> <td>1.2</td> <td>. 1</td>	•	1,200.7	1,301.9	1,544.7	1,343.9	10.2	1.5	42.0	3.3	1.2	. 1		
Computer systems design and related services Computer systems design and relations are related as success. 1,744.9 1,742.9 1,829.6 1,847.8 29.3 1,7 55.4 3.1 18.2 1.0 3.6 1.9 6.6 3.0 3	contracts, investments	778.8	797.3	834.5	856.7	18.5	2.4	37.2	4.7	22.2	2.7		
Funds, trusts, and other financial vehicles. Real estate and rental and leasing		2 257 5	2 285 3	2 305 1	2 316 8	27.8	1.2	19.8	.9	11.7	.5		
Real estate and rental and leasing		_,	_,	_,000	_,0.0.0								
and leasing		81.7	85.7	88.3	87.8	4.0	4.9	2.6	3.0	5	6		
Real estate (e.g., 1,437.9 1,488.7 1,501.2 1,476.4 50.8 3.5 12.5 8 -24.8 -1.7 Rental and leasing services. Lessors of nonfinancial intangible assets. (e.g., 27.7 28.7 30.6 2.0 7.8 1.0 3.6 1.9 6.6 70.7 70.6 70.7 70.6 70.7 70.6 70.7		2 108 0	2 150 1	2 175 3	2 140 6	50.2	2.4	16.2	Q	_34.7	_1.6		
Rental and leasing services. Lessors of nonfinancial intangible assets	S .	1 '						1		1 -			
Lessors of nonfinancial intangible assets								1					
Professional and business 16,600 17,277 17,824 18,131 677 4.1 547 3.2 307 1.7	Lessors of nonfinancial									1.0			
Professional and technical services	Professional and business				30.0								
services		16,600	17,277	17,824	18,131	677	4.1	547	3.2	307	1.7		
Legal services 1,167.5 1,169.2 1,177.4 1,173.9 1.7 1 8.2 7 -3.5 -3.5 -3.5 Accounting and bookkeeping services 813.0 875.8 917.3 993.3 62.8 7.7 41.5 4.7 76.0 8.3 81.0 875.8 917.3 993.3 62.8 7.7 41.5 4.7 76.0 8.3 81.0 875.8 917.3 993.3 62.8 7.7 41.5 4.7 76.0 8.3 81.0 81.		6.869.7	7.180.7	7.498.9	7.820.5	311.0	4.5	318.2	4.4	321.6	4.3		
services 813.0 875.8 917.3 993.3 62.8 7.7 41.5 4.7 76.0 8.3 Architectural and engineering services 1,282.2 1,344.9 1,410.5 1,460.4 62.7 4.9 65.6 4.9 49.9 3.5 Computer systems design and related services 1,182.5 1,229.0 1,319.2 1,391.4 46.5 3.9 90.2 7.3 72.2 5.5 Management and technical consulting services 786.6 854.9 914.7 994.3 68.3 8.7 59.8 7.0 79.6 8.7 Management of companies and enterprises 1,744.9 1,774.2 1,829.6 1,847.8 29.3 1.7 55.4 3.1 18.2 1.0 Administrative and waste services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and support services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1		1 '						1		1 1	3		
Architectural and engineering services	Accounting and bookkeeping												
services 1,282.2 1,344.9 1,410.5 1,460.4 62.7 4.9 65.6 4.9 49.9 3.5 Computer systems design and related services 1,182.5 1,229.0 1,319.2 1,391.4 46.5 3.9 90.2 7.3 72.2 5.5 Management and technical consulting services 786.6 854.9 914.7 994.3 68.3 8.7 59.8 7.0 79.6 8.7 Management of companies and enterprises 1,744.9 1,774.2 1,829.6 1,847.8 29.3 1.7 55.4 3.1 18.2 1.0 Administrative and waste services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and support services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1 -44.8 -6 Employment services 2,434.2 2,641.4 2,657.1 2,578.5 207.2 8.5 15.7 .6 -78.6		813.0	875.8	917.3	993.3	62.8	7.7	41.5	4.7	76.0	8.3		
and related services 1,182.5 1,229.0 1,319.2 1,391.4 46.5 3.9 90.2 7.3 72.2 5.5 Management and technical consulting services 786.6 854.9 914.7 994.3 68.3 8.7 59.8 7.0 79.6 8.7 Management of companies and enterprises 1,744.9 1,774.2 1,829.6 1,847.8 29.3 1.7 55.4 3.1 18.2 1.0 Administrative and waste services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and support services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1 -44.8 -6 Employment services 2,434.2 2,641.4 2,657.1 2,578.5 207.2 8.5 15.7 6 -78.6 -3.0 Temporary help services 2,434.2 2,641.4 2,657.1 2,578.5 207.2 8.5 15.7 6 -78.6	0 0	1,282.2	1,344.9	1,410.5	1,460.4	62.7	4.9	65.6	4.9	49.9	3.5		
Management and technical consulting services 786.6 854.9 914.7 994.3 68.3 8.7 59.8 7.0 79.6 8.7 Management of companies and enterprises 1,744.9 1,774.2 1,829.6 1,847.8 29.3 1.7 55.4 3.1 18.2 1.0 Administrative and waste services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and waste services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1 -44.8 6 Administrative and support services 3,488.9 3,701.1 3,697.8 3,566.9 212.2 6.1 -3.3 1 -44.8 6 Employment services 2,434.2 2,641.4 2,657.1 2,578.5 207.2 8.5 15.7 6 -78.6 -3.0 Business support services 767.0 766.8 812.3 803.7 -2 0.0 45.5 5.9 -8.6<	Computer systems design												
Consulting services		1,182.5	1,229.0	1,319.2	1,391.4	46.5	3.9	90.2	7.3	72.2	5.5		
and enterprises 1,744.9 1,774.2 1,829.6 1,847.8 29.3 1.7 55.4 3.1 18.2 1.0 Administrative and waste services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and support services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1 -44.8 6 Employment services 3,488.9 3,701.1 3,697.8 3,566.9 212.2 6.1 -3.3 1 -130.9 -3.5 Temporary help services 767.0 766.8 812.3 803.7 2 0 45.5 5.9 -8.6 -78.6 -3.0 Services to buildings and dwellings 1,703.1 1,768.9 1,824.8 1,872.0 65.8 3.9 55.9 3.2 47.2 2.6 Business support services 333.4 342.1 350.9 363.5 8.7 2.6 8.8 2.6 12.1 -130.9 -3.5 Waste management and remediation services 17,144 17,573 <td>consulting services</td> <td>786.6</td> <td>854.9</td> <td>914.7</td> <td>994.3</td> <td>68.3</td> <td>8.7</td> <td>59.8</td> <td>7.0</td> <td>79.6</td> <td>8.7</td>	consulting services	786.6	854.9	914.7	994.3	68.3	8.7	59.8	7.0	79.6	8.7		
services 7,985.1 8,321.9 8,495.0 8,462.8 336.8 4.2 173.1 2.1 -32.2 -4 Administrative and support services 7,651.7 7,979.8 8,144.1 8,099.3 328.1 4.3 164.3 2.1 -44.8 -6 Employment services 3,488.9 3,701.1 3,697.8 3,566.9 212.2 6.1 -3.3 -1 -130.9 -3.5 Temporary help services 2,434.2 2,641.4 2,657.1 2,578.5 207.2 8.5 15.7 6 -78.6 -3.0 Business support services 767.0 766.8 812.3 803.7 2 .0 45.5 5.9 -8.6 -1.1 Services to buildings and dellings 1,703.1 1,768.9 1,824.8 1,872.0 65.8 3.9 55.9 3.2 47.2 2.6 Waste management and remediation services 333.4 342.1 350.9 363.5 8.7 2.6 8.8 2.6 12.6 3.6		1,744.9	1,774.2	1,829.6	1,847.8	29.3	1.7	55.4	3.1	18.2	1.0		
Administrative and support services													
services		7,985.1	8,321.9	8,495.0	8,462.8	336.8	4.2	173.1	2.1	-32.2	4		
Employment services		7.651.7	7.979.8	8.144.1	8.099.3	328.1	4.3	164.3	2.1	-44.8	6		
Temporary help services Business support services Formula Services to buildings and dwellings and dwellings	Employment services					212.2	6.1	-3.3	1	-130.9	-3.5		
Business support services Services to buildings and dwellings	Temporary help services	2,434.2	2,641.4	2,657.1	2,578.5	207.2	8.5	15.7	.6	-78.6	-3.0		
dwellings	Business support services	767.0			803.7	2	.0	45.5	5.9	-8.6	-1.1		
Waste management and remediation services													
remediation services		1,703.1	1,768.9	1,824.8	1,872.0	65.8	3.9	55.9	3.2	47.2	2.6		
Education and health services		333 4	342 1	350.0	363 5	87	2.6	9,9	26	126	3.6		
Educational services								1					
Health care and social assistance 14,341.3 14,709.7 15,130.1 15,583.2 368.4 2.6 420.4 2.9 453.1 3.0 Health care 12,170.1 12,436.1 12,757.7 13,109.6 266.0 2.2 321.6 2.6 351.9 2.8 Ambulatory health care services 5,031.7 5,187.6 5,374.8 5,566.0 155.9 3.1 187.2 3.6 191.2 3.6 Offices of physicians 2,068.2 2,117.5 2,172.1 2,235.6 49.3 2.4 54.6 2.6 63.5 2.9 Outpatient care centers 460.1 483.1 500.8 513.0 23.0 5.0 17.7 3.7 12.2 2.4 Home health care services 801.7 839.2 885.7 930.9 37.5 4.7 46.5 5.5 45.2 5.1								1			2.6		
assistance 14,341.3 14,709.7 15,130.1 15,583.2 368.4 2.6 420.4 2.9 453.1 3.0 Health care 12,170.1 12,436.1 12,757.7 13,109.6 266.0 2.2 321.6 2.6 351.9 2.8 Ambulatory health care 5,031.7 5,187.6 5,374.8 5,566.0 155.9 3.1 187.2 3.6 191.2 3.6 Offices of physicians 2,068.2 2,117.5 2,172.1 2,235.6 49.3 2.4 54.6 2.6 63.5 2.9 Outpatient care centers 460.1 483.1 500.8 513.0 23.0 5.0 17.7 3.7 12.2 2.4 Home health care services 801.7 839.2 885.7 930.9 37.5 4.7 46.5 5.5 45.2 5.1		_,552.5	_,552.5	_,,,,	_,001.0	55.5			•••				
Health care		14,341.3	14,709.7	15,130.1	15,583.2	368.4	2.6	420.4	2.9	453.1	3.0		
Ambulatory health care services		12,170.1	12,436.1	12,757.7	13,109.6	266.0		321.6		351.9	2.8		
Offices of physicians 2,068.2 2,117.5 2,172.1 2,235.6 49.3 2.4 54.6 2.6 63.5 2.9 Outpatient care centers 460.1 483.1 500.8 513.0 23.0 5.0 17.7 3.7 12.2 2.4 Home health care services . 801.7 839.2 885.7 930.9 37.5 4.7 46.5 5.5 45.2 5.1													
Outpatient care centers 460.1 483.1 500.8 513.0 23.0 5.0 17.7 3.7 12.2 2.4 Home health care services 801.7 839.2 885.7 930.9 37.5 4.7 46.5 5.5 45.2 5.1											3.6		
Home health care services . 801.7 839.2 885.7 930.9 37.5 4.7 46.5 5.5 45.2 5.1											2.9		
											2.4		
											5.1		
Hospitals	Hospitals	4,301.5	4,3/9.1	4,460.8	4,5/2.4	//.6	1.8	81./	1.9	111.6	2.5		

Table 1. Continued—Employees on nonfarm payrolls, by industry, seasonally adjusted, 2004–07

				Dec. 2007	Employment change, December to December							
Industry	Dec. Dec. 2004		Dec. 2006		2004–05		2005–06		2006–07			
					Level (thousands)	Percent	Level (thousands)	Percent	Level (thousands)	Percent		
Nursing and residential core												
Nursing and residential care	2.836.9	2 960 4	2,922.1	2,971.2	32.5	1.1	52.7	1.8	49.1	1.7		
facilities	,						11.1	.7	18.2	1.7		
Nursing care facilities	1,578.0		1,590.0		.9	.1			1			
Social assistance	2,171.2	,	2,372.4	2,473.6	102.4	4.7	98.8	4.3	101.2	4.3		
Child day care services	774.9	805.8	833.4	857.1	30.9	4.0	27.6	3.4	23.7	2.8		
Leisure and hospitality	12,632	12,907	13,288	13,635	275	2.2	381	3.0	347	2.6		
Arts, entertainment, and recreation	1,853.1	1,903.5	1,958.0	2,010.3	50.4	2.7	54.5	2.9	52.3	2.7		
Performing arts and spectator	1,000.1	1,000.0	1,000.0	2,010.0	00.1	2.7	01.0	2.0	02.0			
sports	367.7	379.6	403.7	429.9	11.9	3.2	24.1	6.3	26.2	6.5		
Museums, historical sites,	110.6	101.1	106.0	121 5	2.5	2.1	F 2	4.2	F 0	4.4		
zoos, and parks Amusements, gambling, and	118.6	121.1	126.3	131.5	2.5	2.1	5.2	4.3	5.2	4.1		
recreation	1,366.8	1,402.8	1,428.0	1,448.9	36.0	2.6	25.2	1.8	20.9	1.5		
Accommodation and food	,	·	'	,								
services	10,778.5	11,003.5	11,330.0	11,624.7	225.0	2.1	326.5	3.0	294.7	2.6		
Accommodation	1,805.2	1,820.3	1,859.0	1,858.1	15.1	.8	38.7	2.1	9	.0		
Food services and drinking	,	·	'	,								
places	8,973.3	9,183.2	9,471.0	9,766.6	209.9	2.3	287.8	3.1	295.6	3.1		
Other services	5.396	5,404	5,466	5,507	8	.1	62	1.1	41	.8		
Repair and maintenance	1,229.5		1,253.3		10.3	.8	13.5	1.1	2.2	.2		
Personal and laundry	,,	,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,_,,,	.,								
services	1,276.2	1,277.8	1,299.0	1.306.9	1.6	.1	21.2	1.7	7.9	.6		
Membership associations	.,	.,	.,	.,000.0								
and organizations	2.889.9	2,886.3	2,913.5	2,944.4	-3.6	1	27.2	.9	30.9	1.1		
Government	21,714	21,887	22,083	22,333	173	.8	196	.9	250	1.1		
Federal	2,729	2,732	2,725	2,735	3	.1	-7	3	10	.4		
Federal, except U.S. Postal	2,720	,,,,,	2,720	2,700			·	.0	"			
Service	1,952.4	1,958.3	1,957.9	1,972.3	5.9	.3	4	.0	14.4	.7		
U.S. Postal Service	776.2	774.1	766.8	763.1	-2.1	3	-7.3	9	-3.7	5		
State government	5.012	5.071	5.098	5.153	59	1.2	27	5 .5	55	5 1.1		
State government education	2,252.0		2,307.8		40.4	1.8	15.4	.7	24.7	1.1		
State government, excluding	2,202.0	2,232.4	2,507.0	2,002.0	70.4	1.0	13.4	.1	24.1	1.1		
education	2,760.4	2,778.9	2,790.2	2,820.9	18.5	.7	11.3	.4	30.7	1.1		
Local government	13,973	14,084	14,260	14,445	111	.8	176	1.2	185	1.3		
Local government education.	7,809.1	7,884.2	7,953.1	, ,	75.1	1.0	68.9	.9	63.4	.8		
Local government, excluding	1,000.1	7,004.2	7,333.1	0,010.5	75.1	1.0	00.9	.5	05.4	.0		
education	6,164.0	6.199 9	6,307.1	6.428.2	35.9	.6	107.2	1.7	121.1	1.9		
	3,.00		_,,,,,,,,,	-,	55.5			•••	.=			

Note: Consistent with other ces publications, employment data are rounded to thousands for supersectors and selected aggregate industries and to hundreds for more detailed industries.

0.5 percent in 2007.9 Between 2003 and 2006, when total nonfarm employment growth was stronger, GDP excluding consumer spending growth was stronger, averaging 2.7 percent. Both consumer spending and GDP excluding consumer spending exhibit similar patterns that coincide with previous periods of weak employment growth. (For the movement of GDP, see chart 3.)

As interest rates rose, adjustable-rate loan payments increased and discretionary income decreased.¹⁰ Consumer sentiment, often seen as a proxy for future spending, was depressed and ended the year at its lowest level since October 2005. (See table 2.)

Americans curbed their appetites for spending by dining out less and eating at home more. (See chart 4.) Employment in food manufacturing grew for the first time since 1999. Compared with 2006 figures, food and beverage stores' average monthly job growth quadrupled in 2007, with 4,000 jobs added per month. Food services and drinking places added 25,000 jobs per month in 2007, but the rate of growth was unchanged from 2006.

Table 2. Economic indicators, 2003-07

	Dec. 2003	Dec. 2004		Dec. 2006	Dec. 2007	December to December				
Indicator			Dec. 2005			Average annual change, 2003–06		Annual change, 2006–07		
						Level	Percent	Level	Percent	
The Conference Board										
Leading index	114.5	136.9	138.5	138.4	136.0	8.0	6.9	-2.4	-1.7	
Coincident index	115.8	120.3	121.6	123.4	125.1	2.5	2.1	1.7	1.4	
Consumer confidence index	94.8	102.7	103.8	110.0	90.6	5.1	5.1	-19.4	-17.6	
Reuters—University of Michigan										
Consumer sentiment index	92.6	97.1	91.5	91.7	75.5	3	2	-16.2	-17.7	
Bureau of Labor Statistics (CES) Employment diffusion index, 1-month span Total private	52.9	51.8	54.7	56.0	48.5	1.0	2.0	-7.5	-13.4	
Manufacturing	41.7	39.9	47.0	39.3	36.3	8	-1.0	-7.5 -3.0	-13.4 -7.6	
Average weekly hours of production workers Total private Manufacturing Manufacturing, including overtime	33.6 40.7 45.2	33.8 40.6 45.1	33.8 40.8 45.4	33.9 41.1 45.3	33.8 41.1 45.1	.1 .1 .0	.3 .3 .1	1 .0 2	3 .0 4	
Index of aggregate weekly hours (2002 = 100) Total private production workers	98.6	101.5	104.2	106.7	107.8	2.7	2.7	1.1	1.0	
Index of aggregate weekly payrolls (2002 = 100) Total private production workers	102.0	107.7	114.0	121.7	127.5	6.6	6.1	5.8	4.8	
Average hourly earnings of production workers Total private current dollars Total private constant (1982)	15.48	15.87	16.37	17.07	17.70	.53	3.32	.63	3.69	
dollars ¹	8.29	8.21	8.18	8.33	8.27	.01	.17	06	72	

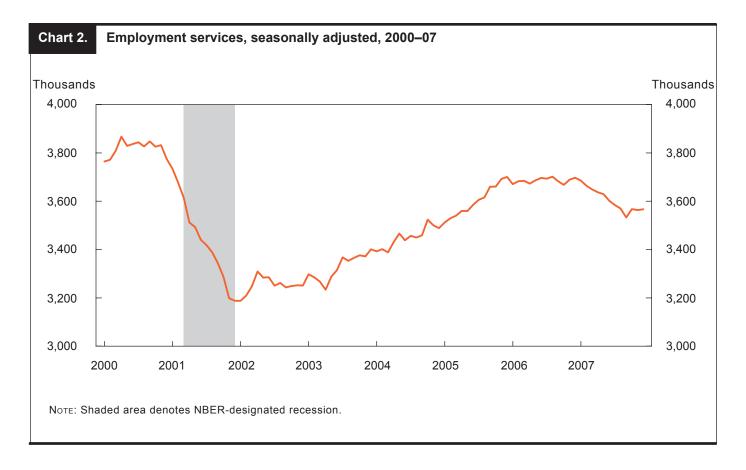
¹The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate this series.

Spending on personal care services also declined with the decrease in discretionary income. 11 The decreased spending led to lower employment growth in personal and laundry services, which had gained more than 21,000 employees in 2006, but added less than 8,000 in 2007. In contrast, employment in health and personal care stores more than doubled its rate of growth, from 1.1 percent in 2006 to 2.7 percent in 2007.

Employment in construction and housing

The housing bubble started to burst in 2006 and worsened throughout 2007. Investment in residential construction was reduced. The average number of new housing units started per month declined, annual sales of new homes fell for the first time since 2001, and vacancy rates rose to their highest level ever. 12 Homes began to depreciate, and mortgage interest rates hit a 4-year high.¹³

Residential construction employment peaked at nearly 3.5 million in April 2006, after which the industry lost 342,000 jobs by December 2007. Housing starts suffered a 44.8-percent reduction, and residential construction expenditures decreased more than 30 percent. During previous downturns in residential construction employment, nonresidential construction was able to mitigate the decline. However, nonresidential construction employment, which grew at more than 5 percent in 2006, was essentially flat in 2007, culminating in an overall loss of 232,000 jobs for the construction industry in the latter year. The only



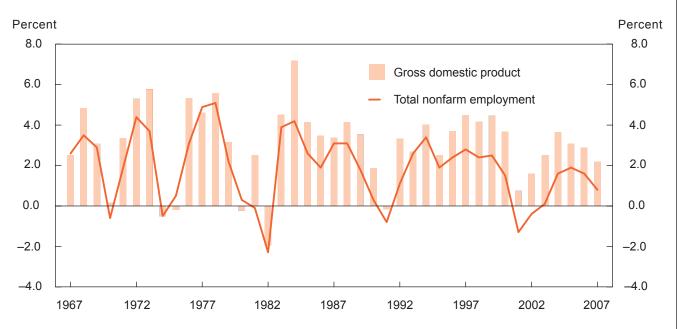
component in construction that posted a gain in 2007 was nonresidential specialty trade contractors, which added 19,000 employees to the payrolls; however, even its rate of growth diminished from 6.0 in 2006 to 0.7 in 2007.

Homeowners began to feel the crunch as interest rates rose in 2007. The subprime lending market, which was especially vulnerable to an increase in interest rates and payment structures, began to founder. Subprime mortgages accounted for more than half of all new foreclosures in 2007.14 Delinquency rates were at their highest level since 1985.15 The rate of foreclosure starts and the percentage of loans in the process of foreclosure were at their highest levels ever. Even though delinquency rates on prime mortgages (3.2 percent) remained low compared with those on subprime mortgages (17.3 percent), lenders became risk averse and worked with Federal financial regulatory agencies to implement stricter lending practices. 16 The Federal financial regulatory agencies issued a "Statement on Subprime Mortgage Lending" to address issues that might cause payment shock in relation to certain adjustable-rate mortgage products, and the resulting policies prevented large numbers of people from qualifying for mortgages.¹⁷ The year 2007 proved to be difficult for employment in construction and housing-related industries.

Seventy percent of housing-related employment is composed of nonconstruction industries, which also suffered cutbacks as a result of the declining housing market. 18 (See table 3 and chart 5.) Manufacturers of building materials such as wood products and nonmetallic mineral products cut 42,000 jobs. Building-related wood products include cut lumber, plywood, and wood trusses; and nonmetallic mineral products include clay, cement, and brick products.¹⁹ Retail home centers, which include building materials and home improvement centers, reduced employment by 28,000. Manufacturers of furniture and related products, including cabinetry, shed 23,000 jobs from the payrolls. Logging and the wholesale trade of lumber and construction products cut a total of 12,000 employees, and employment in furniture stores was virtually flat over the year.

Financial activities lost 149,000 jobs in 2007. More than three-quarters of the loss was attributable to the credit intermediation and related activities component, which includes real estate credit and mortgage loan brokers. The National Association of Realtors stated that 2007 sales of existing homes were at "the lowest pace since [the organization] began tracking the combined series in 1999."²⁰ Other financial industries that bore the consequences of

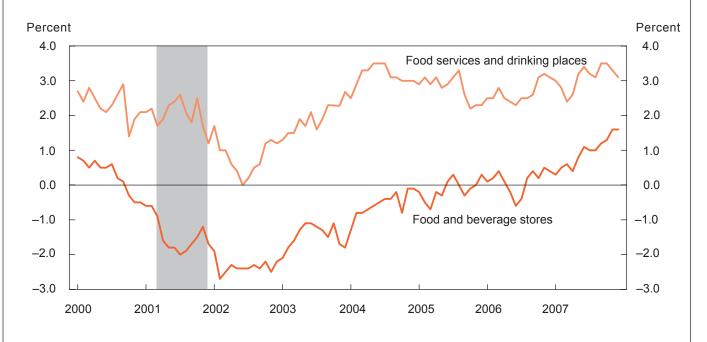




Source: U.S. Bureau of Economic Analysis.

Note: Gross domestic product is in billions of chained 2000 dollars. Total nonfarm employment is seasonally adjusted.

Chart 4. Food and beverage stores and food services and drinking places, 12-month percent change in employment, seasonally adjusted, 2000-07

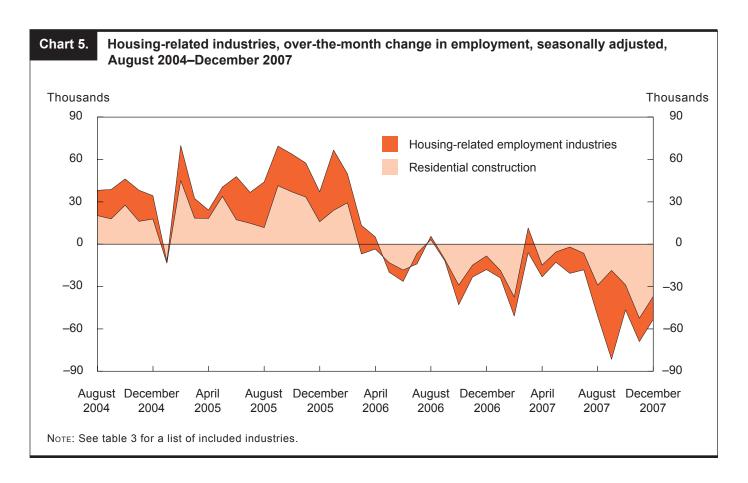


Note: Shaded area denotes NBER-designated recession.

Table 3. Employees in housing-related industries, not seasonally adjusted, August 2004–December 2007

	Net change in employment ¹										
la desatas	December Decembe		April 200 December		August 2004 to April 2006						
Industry	Level (thousands)	Percent	Level (thousands)	Percent	Level (thousands)	Percent					
Fotal housing-related industries	-451.2	-4.2	-570.7	-5.2	508.5	4.9					
Seasonally adjusted	-457.0	-4.2	-602.6	-5.5	804.6	7.9					
Natural resources and mining: Logging Nonmetallic mineral mining and quarrying	-1.7	-2.7	.5	.8	-9.7	-13.8					
	-2.2	-2.1	-4.9	-4.5	-3.6	-3.2					
Noninetaliic milieral miling and quarrying	-2.2	-2.1	-4.9	-4.5	-5.0	-5.2					
Construction: Residential building construction Residential specialty trades	-88.5	-9.0	-101.8	-10.2	70.9	7.6					
	-146.9	-6.4	-215.3	-9.1	142.1	6.4					
Manufacturing: Sawmills and wood preservation	-5.0	-4.4	-9.1	-7.7	-2.6	-2.2					
	-9.7	-8.8	-23.0	-18.7	2.0	1.7					
	-13.6	-4.4	-26.8	-8.3	3.1	1.0					
	-4.1	-6.9	-5.0	-8.3	-5.0	-7.7					
	-12.4	-5.1	-18.6	-7.4	5.5	2.2					
Lime, gypsum, and other nonmetallic mineral products	2.8	2.8	5.6	5.8	.8	.8					
HVAC and commercial refrigeration equipment Electric lighting equipment Household and institutional furniture Paints, coatings, and adhesives	-5.0	-3.2	-5.6	-3.6	1.2	.8					
	-2.2	-3.7	-1.8	-3.0	-5.2	-8.0					
	-23.1	-6.4	-43.1	-11.3	-8.2	-2.1					
	.8	1.3	-2.6	-3.9	6	9					
Wholesale trade: Furniture and furnishings Lumber and construction supplies Hardware and plumbing	-3.1	-2.6	8	7	5.4	4.9					
	-10.3	-3.9	-12.2	-4.6	19.0	7.7					
	5.6	2.2	7.0	2.8	15.0	6.3					
Retail trade: Furniture and home furnishing stores Home centers Paint and wallpaper stores Hardware stores	.4	.1	27.9	4.8	22.1	3.9					
	-28.3	-4.3	-72.8	-10.5	96.2	16.0					
	1.0	2.4	.9	2.1	.4	1.0					
	.3	.2	.8	.5	–9.5	–5.6					
Financial activities: Real estate credit Mortgage and nonmortgage loan brokers	-89.5	–26.1	-98.9	-28.1	9.2	2.7					
	-25.3	–17.9	-32.4	-21.9	18.8	14.5					
Direct title insurance and other direct insurance carriers	-25.5 -14.1	-17.9 -13.8	-32.4 -19.8	-21.9 -18.4	-1.3	-1.2					
Real estate	-24.7	-1.6	-17.4	-1.2	46.8	3.2					
	4.8	3.8	14.6	12.6	10.5	10.0					
Professional and business services: Title abstract and settlement offices	-8.2	-10.8	-11.0	-14.0	5.6	7.7					
	51.0	3.6	94.9	7.0	79.6	6.2					

¹ Housing-related employment peaked in April 2006. For comparative purposes, similar time spans were used prior to and after the peak.



the housing slump included direct title insurance and other direct insurance carriers, as well as real estate, rental, and leasing.

Slower employment growth extended to other housing-related industries as well. Title abstract and settlement offices, which showed little change in 2006, reduced employment by 10.8 percent in 2007. This industry includes establishments engaged primarily in (1) preparing documents necessary for the transfer of the title of a domicile and for the financing and settlement of housing loans; (2) conducting final real estate settlements and closings; and (3) filing legal and other documents relating to the sale of real estate.²¹ Employment in architectural and engineering services, including landscape architecture, posted an average gain of 4.6 percent for the previous 3 years, but slowed to a 3.6-percent increase in 2007. Employment notched down 2.6 percent in 2007 in the wholesale of furniture and furnishings after expanding over the previous 2 years.

Industry growth

Despite the challenging economic conditions, certain industries maintained or even increased their employment

growth rates in 2007. Health care and social assistance posted a 3.0-percent gain, the highest growth rate in the industry since December 2001. This higher rate of growth was due mainly to hospitals, which averaged an increase of more than 9,000 jobs per month in 2007, compared with fewer than 7,000 per month in 2006. With 453,000 new jobs in 2007, health care and social assistance accounted for more than half of all net job growth in the private sector during the same period.

Professional and technical services added 322,000 jobs in 2007. Management and technical consulting services augmented its payrolls by 8.7 percent over the year, bringing the total to nearly 1 million employees, almost onethird higher than the last peak in March 2001. Computer systems design and related services added 72,000 employees in 2007. Accounting and bookkeeping employment, benefiting from increasingly complex reporting requirements and an overload of new standards and rules, rose by 8.3 percent in 2007, compared with 4.7 percent in 2006.22

Within wholesale trade in 2007, the electronic markets and agents and brokers industry continued its expansion, adding 25,000 more employees, and nondurable goods

maintained its strongest growth rate in 10 years.

Both private and public education continued to supplement their staffs in 2007. Private education added 2.6 percent to its workforce, bringing the total number of employees to nearly 3 million. Despite a slower rate of growth, local education added 63,000 jobs in 2007. Federal Government employment was unchanged over the year, but employment growth rates for State and local government, excluding education, were both more than a full percentage point higher than their average growth rates over the previous 5 years.

Americans continued to invest in new technology. As wireless telecommunications began to replace wired telecommunications, employment shifted, resulting in an expansion in the wireless industry since 2003 and a contraction in the wired industry since 2000. These trends continued in 2007. Employment in electronics and appliance stores declined in 2006, but grew in 2007. Persistent job loss has characterized the utilities industry since 1991; however, 8,000 employees joined the workforce in 2007.

Overall, growth in nonfarm payroll employment slowed to its lowest rate in 4 years in 2007: 0.8 percent. Industries affected by the declining housing market and the subprime credit quandary lost nearly one-half million jobs. Market factors such as higher fuel costs and higher interest rates drew from discretionary income and led to a decrease in spending on luxury and nonessential items.²³ Employment growth decelerated in the leisure and hospitality, clothing stores, and personal and laundry services industries. However, consumers increased their spending on basic items such as food and medicine, which resulted in accelerated employment growth rates in food and beverage stores and in health and personal care stores. The population continued to age, increasing the demand for health care and social services, and as the population expanded, the need for educators and government employees increased.²⁴ The result was employment increases in education and health services and in government, which together accounted for three-quarter million jobs, or more than two-thirds of total net nonfarm employment growth, in 2007.

Notes

- ¹ The Current Employment Statistics (CES) program is a monthly survey of about 150,000 business and government agencies, representing approximately 390,000 individual worksites. For more information on the program's concepts and methodology, see "Technical Notes to Establishment Data Published in Employment and Earnings," on the Internet at www.bls.gov/web/empsit.supp.toc.htm#technote (visited Mar. 12, 2008). CES data are available on the Internet at www.bls. gov/ces/ (visited Mar. 12, 2008). The CES data used in this article are seasonally adjusted unless otherwise noted.
- ² Leading and coincident indexes are available on the Internet at www.conference-board.org/economics/bci/pressRelease_output. **cfm?cid=1** (visited Mar. 12, 2008).
 - 3 Ihid
- ⁴ Real earnings are calculated by adjusting earnings in current dollars for changes in the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).
- ⁵ Crude oil quotes represent W&T Offshore, Inc. (WTI), daily spot pricing. Gasoline prices are for all grades and all formulations, weekly retail, in the United States. Data are available from the Energy Information Administration on the Internet at www.eia.doe.gov (visited Mar. 12, 2008).
- 6 Moira Herbst, "Consumer Spending Could Be Out of Gas," on the Internet at www.businessweek.com/bwdaily/dnflash/content/ may2007/db20070517_636305.htm, last updated May 17, 2007 (visited Mar. 12, 2008).
- ⁷ Data on the number of operable oil refineries in the United States are available from the Energy Information Administration on the Internet at www.eia.doe.gov/(visited Mar. 12, 2008).
- ⁸ The GDP measure is produced by the U.S. Bureau of Economic Analysis and can be found on the Internet at www.bea.gov (visited Mar. 12, 2008).

- 9 Real GDP and consumer spending (personal consumer expenditures) are in billions of chained 2000 dollars, as calculated by the U.S. Bureau of Economic Analysis.
- ¹⁰ For a discussion of the relationship between adjustable interest rates and discretionary income, see Gordon H. Sellon, Jr., "The Changing U.S. Financial System: Some Implications for the Monetary Transmission Mechanism," Economic Review, first quarter, 2002), pp. 5-35.
- 11 For a discussion about changes to household expenditures during the business cycle, see Kerwin Kofi Charles and Melvin Stephens, Jr., "The Level and Composition of Consumption over the Business Cycle: The Role of 'Quasi-Fixed' Expenditures," NBER Working Paper Series (July 2006), Working Paper 12388.
- ¹² Data on residential construction investment, housing starts, home sales, and vacancy rates are available from the U.S. Census Bureau and can be found on the Internet at www.census.gov/cgi-bin/briefroom/ BriefRm (visited Mar. 12, 2008).
- ¹³ Data on home values are available from S&P's Case-Shiller® Home Price Indices, on the Internet at www2.standardandpoors.com/portal/site/ sp/en/us/page.topic/indices_csmahp/0,0,0,0,0,0,0,0,1,1,0,0,0,0,0. html (visited Mar. 12, 2008). Mortgage interest rates are based on 30-year fixed-rate mortgages posted during the week of the 12th of the month from HSH Associate Financial Publishers and are available on the Internet at www.hsh.com (visited Mar. 12, 2008).
- ¹⁴ Data on subprime mortgage foreclosure starts were derived from the Mortgage Bankers Association National Deliquency Survey, on the Internet at www.mortgagebankers.org/ResearchandForecasts/ ProductsandSurveys (visited Mar. 12, 2008), and from testimony from Federal Reserve Board Chairman Ben S. Bernanke on September 20, 2007, on the Internet at www.federalreserve.gov/newsevents/ testimony/bernanke20070920a.htm (visited Mar. 12, 2008).
 - ¹⁵ Data on delinquency rates, foreclosure starts, and the percent-

age of loans in the process of foreclosure are available from the Mortgage Bankers Association and can be found on the Internet at www. mortgagebankers.org/ResearchandForecasts/ProductsandSurveys (visited Mar. 12, 2008).

- 16 "Stricter lending seen barring 1 million U.S. home buyers," Reuters, March 9, 2007, on the Internet at www.reuters.com/ article/companyNewsAndPR/idUSN0924059020070309 (visited Mar. 12, 2008).
- ¹⁷ Federal financial regulatory agencies are composed of the Office of the Comptroller of the Currency, the Board of Governors of the Federal Reserve System, the Federal Deposit Insurance Corporation, the Office of Thrift Supervision, and the National Credit Union Administration. The proposed "Statement on Subprime Mortgage Lending" was issued in the Federal Register on March 8, 2007. Comments were requested and incorporated. The final statement was issued on June 29, 2007, and is reported on the Internet at www.federalreserve. gov/newsevents/press/bcreg/20070629a.htm (visited Mar. 12, 2008).
- ¹⁸ Housing-related industry details are based on data that are not seasonally adjusted.
 - ¹⁹ Descriptions of the manufacturing industries that produce

- wood products or nonmetallic mineral products are available from the U.S. Census Bureau and can be found on the Internet at www. census.gov/naics/2007/index.html (visited Mar. 12, 2008).
- ²⁰ Wannasiri Chompoopet, "Existing Home Sales," *Housing &* Economic Indicators, November 2007; National Association of Realtors, Dec. 20, 2007, on the Internet at www.realtor.org/research. nsf/pages/EcoIndicator?OpenDocument (visited Mar. 12, 2008).
- ²¹ Descriptions of title abstract companies and settlement offices are available from the U.S. Census Bureau and can be found on the Internet at www.census.gov/naics/2007/index.html (visited Mar. 12, 2008).
- ²² Ken Crutchfield, "Challenges for Your Clients; Opportunities for Your Practice," Accounting Technology: SMALL BUSINESS SERVIC-ES, 8–9 (December 2007). Retrieved Mar. 10, 2008, from ABI/INFORM Research database (Document ID: 1402269361).
 - ²³ Charles and Stephens, "Consumption over the Business Cycle."
- ²⁴ Population data come from the Current Population Survey (CPS) and can be found on the Internet at www.bls.gov/cps/home.htm (visited Mar. 12, 2008).

Book review interest?

Interested in reviewing a book for the *Monthly Labor Review?* We have a number of books by distinguished authors on economics, industrial relations, other social sciences, and related issues waiting to be reviewed. If you have good writing skills and/or experience, then please contact us via E-mail at mlr@bls.gov