Productivity and Related Data, Business and Nonfarm Business Sectors

Period	Labor productivity (output per hour)		Output [1]		Hours of all persons [2]		Compensation per hour [3]		Real compensation per hour [4]		Unit labor costs		Implicit price deflator [5]	
	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector
	Indexes, 2009=100; quarterly data seasonally adjusted													
2006	94.7	94.7	103.3	103.4	109.1	109.2	92.4	92.4	98.3	98.3	97.6	97.5	96.0	96.0
2007	96.1	96.3	105.5	105.8	109.7	109.9	96.5	96.4	99.9	99.7	100.4	100.1	98.2	97.9
2008	96.9	97.0	104.2	104.4	107.6	107.7	99.0	99.0	98.7	98.6	102.2	102.1	99.8	99.4
2009	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2010	103.3	103.3	103.2	103.2	99.9	99.9	101.8	101.9	100.2	100.3	98.6	98.7	101.1	101.0
2011	103.3	103.4	105.3	105.5	102.0	102.0	104.0	104.1	99.2	99.4	100.7	100.7	103.3	102.8
2012	104.0	104.3	108.4	108.8	104.2	104.2	106.9	106.9	99.9	99.9	102.7	102.5	105.3	104.7
2013	104.8	104.7	110.8	110.9	105.8	106.0	108.3	108.2	99.8	99.6	103.4	103.3	106.9	106.3
2014	105.4	105.5	114.1	114.3	108.2	108.3	111.1	111.2	100.7	100.8	105.4	105.4	108.5	108.1
2015	106.2	106.5	117.6	117.8	110.7	110.6	114.3	114.5	103.4	103.6	107.5	107.5	109.3	109.2
2012: I	103.9	104.1	107.8	108.1	103.8	103.8	105.6	105.7	99.2	99.3	101.7	101.5	104.5	104.0
II	104.4	104.7	108.5	108.8	103.9	103.9	106.2	106.3	99.6	99.7	101.7	101.5	105.0	104.5
III	104.1	104.5	108.6	109.1	104.3	104.4	106.3	106.4	99.3	99.3	102.1	101.8	105.7	105.1
IV	103.7	104.0	108.7	109.1	104.8	104.9	109.2	109.2	101.2	101.2	105.3	105.0	106.0	105.3
2013: I	104.3	104.3	109.7	109.9	105.1	105.3	106.9	106.8	98.8	98.6	102.5	102.3	106.4	105.6
II	104.3	104.1	110.0	110.1	105.4	105.7	108.4	108.2	100.3	100.1	104.0	103.9	106.6	105.9
III	104.7	104.6	111.1	111.1	106.1	106.2	108.6	108.6	99.9	99.9	103.7	103.8	107.1	106.5
IV	105.7	105.6	112.6	112.6	106.5	106.6	109.1	109.1	100.0	99.9	103.3	103.3	107.5	107.1
2014: I	104.8	104.7	112.0	112.1	106.9	107.1	110.9	110.8	101.0	100.9	105.8	105.8	107.9	107.5
II	105.2	105.2	113.4	113.5	107.7	107.9	110.4	110.3	100.0	100.0	104.9	104.9	108.5	108.0
III	106.1	106.3	115.1	115.3	108.5	108.5	111.2	111.4	100.6	100.7	104.8	104.8	108.9	108.5
IV	105.6	105.9	115.9	116.1	109.7	109.7	112.1	112.4	101.5	101.7	106.1	106.1	108.9	108.5
2015: I	105.8	106.1	116.6	116.8	110.2	110.1	112.6	112.9	102.6	102.9	106.4	106.3	108.7	108.6
II	106.2	106.4	117.5	117.7	110.6	110.6	114.0	114.2	103.3	103.4	107.3	107.3	109.3	109.1
III	106.8	107.0	118.1	118.2	110.6	110.5	114.8	115.0	103.7	103.8	107.5	107.5	109.5	109.4
IV	106.1	106.3	118.3	118.5	111.5	111.4	115.6	115.9	104.2	104.4	108.9	109.0	109.6	109.5
2016: I	106.0	106.2	118.6	118.7	111.9	111.8	115.3	115.6	104.0	104.3	108.8	108.9	109.7	109.7
II r	105.9	106.1	119.1	119.1	112.5	112.3	116.9	117.3	104.8	105.1	110.4	110.5	110.3	110.3
III r *	106.8	106.9	120.2	120.2	112.6	112.4	118.1	118.4	105.4	105.7	110.6	110.7	110.5	110.6
	Percent change; quarterly data at seasonally adjusted annual rates													
2006	1.0	0.9	3.2	3.2	2.2	2.2	3.9	3.9	0.7	0.7	2.9	3.0	2.7	2.8
2007	1.5	1.6	2.1	2.3	.6	.7	4.4	4.3	1.6	1.4	2.9	2.7	2.3	2.0
2008	.8	.7	–1.2	–1.3	–1.9	–2.0	2.6	2.7	–1.2	–1.1	1.8	1.9	1.5	1.5
2009	3.2	3.1	–4.1	–4.3	–7.1	–7.2	1.0	1.0	1.3	1.4	–2.2	–2.0	.2	.6
2010	3.3	3.3	3.2	3.2	–.1	–.1	1.8	1.9	.2	.3	–1.4	–1.3	1.1	1.0
2011	.0	.1	2.1	2.2	2.1	2.1	2.1	2.2	–1.0	–.9	2.1	2.1	2.2	1.8
2012	.7	.9	2.9	3.1	2.2	2.2	2.8	2.7	.7	.6	2.0	1.7	1.9	1.9
2013	.7	.3	2.2	2.0	1.5	1.7	1.4	1.2	–.1	–.3	.6	.9	1.5	1.5
2014	.6	.8	3.0	3.0	2.3	2.2	2.6	2.8	1.0	1.1	2.0	2.0	1.6	1.7
2015	.8	.9	3.1	3.1	2.3	2.1	2.8	2.9	2.7	2.8	2.0	2.0	.7	1.0
2012: I	.1	.6	3.4	3.9	3.3	3.2	9.7	9.6	7.1	7.0	9.6	8.9	1.7	1.7
II	2.2	2.3	2.6	2.7	.4	.4	2.4	2.2	1.6	1.4	.2	–.1	2.1	2.2
III	–1.1	–.8	.6	1.0	1.7	1.9	.4	.2	–1.3	–1.5	1.5	1.1	2.4	2.1
IV	–1.7	–2.0	.2	.2	1.9	2.2	11.2	10.9	8.1	7.8	13.2	13.2	1.4	1.1
2013: I	2.6	1.3	3.7	2.8	1.1	1.6	–8.0	–8.6	–9.5	–10.0	–10.4	–9.7	1.5	1.1
II	–.2	–.7	1.1	.6	1.2	1.3	5.8	5.7	6.3	6.3	5.9	6.5	.5	1.1
III	1.6	1.7	4.1	3.8	2.5	2.0	.8	1.2	–1.3	–.9	–.8	–.5	1.9	2.3
IV	3.8	4.1	5.4	5.6	1.5	1.4	1.9	2.1	.1	.3	–1.9	–1.9	1.7	2.3
2014: I	–3.6	–3.7	–2.0	–1.8	1.6	2.0	6.5	6.2	4.1	3.8	10.4	10.2	1.5	1.4
II	1.8	2.0	5.0	5.1	3.1	3.0	–1.8	–1.7	–3.8	–3.6	–3.6	–3.7	2.3	1.9
III	3.4	4.2	6.4	6.5	2.9	2.3	3.2	3.9	2.3	3.0	–.2	–.2	1.3	1.8
IV	–1.8	–1.6	2.8	2.7	4.7	4.4	3.3	3.6	3.6	3.9	5.1	5.2	–.1	.1
2015: I	.7	1.1	2.3	2.4	1.6	1.3	1.6	1.8	4.6	4.8	.9	.7	–.4	.4
II	1.5	1.2	3.0	3.1	1.6	1.9	5.1	4.8	2.6	2.2	3.6	3.6	2.1	2.0
III	2.3	2.0	2.1	1.8	–.2	–.2	2.9	2.9	1.6	1.5	.6	.8	.9	1.0
IV	–2.5	–2.4	.8	.8	3.4	3.3	2.9	3.1	2.1	2.3	5.5	5.7	.1	.5
2016: I	–.7	–.6	.8	.7	1.5	1.4	–1.1	–.9	–.7	–.6	–.4	–.3	.4	.7
II r	–.4	–.2	1.6	1.6	2.0	1.7	5.6	6.1	3.0	3.4	6.0	6.2	2.1	2.3
III r *	3.5	3.1	3.9	3.6	.3	.5	4.1	3.8	2.4	2.2	.6	.7	.8	1.1

[1] Output refers to real gross domestic product originating in the sector.

[2] Hours of all persons engaged in the sector, including hours of proprietors and unpaid family workers. Estimates based primarily on establishment data.

[3] Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of wages, salaries, and supplemental payments for the self-employed.

[4] Hourly compensation divided by consumer price series. The trend for 1978-2015 is based on the consumer price index research series (CPI-U-RS). The change for prior years and recent quarters is based on the consumer price index for all urban consumers (CPI-U).

[5] Current dollar gross domestic output divided by the output index.

Note: Data relate to all persons engaged in the sector.

Percent changes are from preceding period and are based on original data; they therefore may differ slightly from percent changes based on indexes shown here.

* Data based on GDP data released on November 29, 2016.

Source: Department of Labor (Bureau of Labor Statistics).

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