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, 2012=100; quarterly data seasonally adjusted													
2008	92.8	92.6	95.8	95.7	103.3	103.3	92.8	92.7	99.0	98.9	100.0	100.1	94.7	94.9
2009	96.1	95.9	92.3	92.0	96.0	95.9	93.6	93.6	100.2	100.2	97.4	97.5	94.9	95.4
2010	99.3	99.2	95.2	95.0	95.9	95.8	95.3	95.3	100.4	100.4	95.9	96.1	96.0	96.3
2011	99.2	99.1	97.1	96.9	97.8	97.8	97.3	97.4	99.4	99.5	98.1	98.2	98.2	98.2
2012	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
2013	100.9	100.5	102.4	102.2	101.5	101.7	101.5	101.3	100.0	99.8	100.6	100.8	101.5	101.5
2014	101.6	101.3	105.6	105.4	103.9	104.0	104.2	104.1	100.9	100.9	102.5	102.8	103.2	103.3
2015	102.8	102.6	109.3	109.0	106.3	106.2	107.1	107.3	103.6	103.8	104.2	104.6	103.8	104.2
2016	102.9	102.8	111.1	110.8	107.9	107.8	108.2	108.5	103.4	103.6	105.2	105.5	104.7	105.3
2017	104.1	103.9	114.0	113.8	109.5	109.5	111.9	112.1	104.6	104.8	107.5	107.9	106.5	107.0
2014: I	100.8	100.4	103.4	103.2	102.6	102.8	104.4	104.2	101.6	101.5	103.6	103.8	102.4	102.6
II	101.5	101.2	105.0	104.8	103.4	103.6	103.5	103.4	100.3	100.1	102.0	102.2	103.1	103.2
III	102.3	102.1	106.6	106.5	104.2	104.2	103.9	103.9	100.4	100.4	101.5	101.8	103.5	103.7
IV	101.7	101.6	107.3	107.0	105.4	105.4	104.9	105.0	101.5	101.7	103.1	103.4	103.6	103.8
2015: I	102.4	102.3	108.3	108.1	105.8	105.6	106.2	106.4	103.4	103.7	103.6	104.0	103.2	103.6
II	103.0	102.9	109.4	109.2	106.2	106.1	107.2	107.4	103.7	103.9	104.0	104.4	103.8	104.2
III	103.2	103.0	109.6	109.4	106.2	106.2	107.7	107.9	103.8	104.0	104.3	104.7	104.1	104.5
IV	102.4	102.3	109.7	109.4	107.1	107.0	107.5	107.7	103.6	103.8	104.9	105.3	104.0	104.4
2016: I	102.5	102.3	110.1	109.8	107.4	107.3	107.5	107.7	103.6	103.8	104.9	105.2	103.8	104.4
II	102.7	102.6	110.8	110.5	107.9	107.7	107.6	107.9	103.0	103.3	104.8	105.2	104.6	105.2
III	103.1	102.9	111.4	111.1	108.1	108.0	108.2	108.5	103.1	103.4	105.0	105.4	104.9	105.6
IV	103.5	103.2	112.0	111.7	108.2	108.2	109.7	109.7	103.8	103.9	105.9	106.3	105.4	106.0
2017: I	103.5	103.4	112.5	112.3	108.7	108.6	110.8	111.0	104.1	104.3	107.0	107.4	105.8	106.4
II	103.9	103.8	113.5	113.3	109.3	109.2	111.2	111.4	104.4	104.6	107.0	107.3	106.1	106.6
III	104.6	104.3	114.5	114.3	109.5	109.6	112.7	112.8	105.3	105.3	107.7	108.1	106.6	107.1
IV	104.3	104.3	115.3	115.2	110.6	110.5	113.0	113.3	104.7	105.0	108.3	108.7	107.4	107.9
2018: I	104.5	104.3	116.0	115.9	111.1	111.1	114.2	114.3	104.9	105.1	109.3	109.6	107.9	108.4
II	105.4	105.1	117.5	117.3	111.5	111.7	114.4	114.4	104.6	104.6	108.5	108.8	108.8	109.3
III *	105.9	105.7	118.7	118.5	112.1	112.1	115.2	115.3	104.9	104.9	108.7	109.0	109.1	109.7
	Percent change; quarterly data at seasonally adjusted annual rates													
2008	1.0	1.1	–1.0	–1.0	–2.0	–2.1	2.7	2.8	–1.1	–1.0	1.6	1.7	1.5	1.6
2009	3.6	3.5	–3.7	–3.9	–7.1	–7.2	.9	.9	1.2	1.3	–2.7	–2.5	.2	.5
2010	3.3	3.4	3.2	3.3	–.1	–.1	1.8	1.9	.1	.2	–1.5	–1.5	1.2	1.0
2011	–.1	.0	1.9	2.0	2.0	2.0	2.1	2.2	–1.0	–.9	2.2	2.2	2.3	1.9
2012	.8	.9	3.0	3.1	2.2	2.3	2.8	2.7	.6	.5	2.0	1.8	1.9	1.9
2013	.9	.5	2.4	2.2	1.5	1.7	1.5	1.3	.0	–.2	.6	.8	1.5	1.5
2014	.7	.8	3.0	3.1	2.3	2.3	2.6	2.8	.9	1.1	1.9	2.0	1.7	1.8
2015	1.2	1.3	3.5	3.5	2.3	2.1	2.9	3.1	2.7	2.9	1.7	1.8	.6	.8
2016	.2	.1	1.7	1.6	1.5	1.5	1.0	1.1	–.2	–.2	.9	.9	.9	1.1
2017	1.1	1.1	2.6	2.7	1.5	1.6	3.4	3.4	1.2	1.2	2.3	2.2	1.7	1.6
2014: I	–3.2	–3.3	–1.7	–1.6	1.5	1.8	9.7	9.4	6.9	6.6	13.3	13.1	1.2	1.1
II	3.0	3.2	6.5	6.5	3.4	3.2	–3.3	–3.2	–5.3	–5.2	–6.2	–6.2	2.8	2.4
III	3.2	3.8	6.4	6.4	3.1	2.5	1.5	2.2	.4	1.1	–1.7	–1.5	1.6	2.1
IV	–2.3	–2.2	2.3	2.2	4.8	4.5	3.8	4.2	4.7	5.1	6.3	6.5	.1	.2
2015: I	2.8	3.1	4.1	4.1	1.3	.9	5.1	5.5	7.8	8.2	2.2	2.3	–1.3	–.6
II	2.4	2.1	4.1	4.1	1.7	2.0	3.8	3.5	1.1	.8	1.4	1.4	2.2	2.1
III	.7	.5	.8	.6	.0	.1	2.0	1.9	.4	.3	1.3	1.4	1.3	1.2
IV	–3.0	–2.9	.1	.1	3.2	3.0	–.8	–.7	–1.0	–.8	2.2	2.3	–.3	–.2
2016: I	.2	.3	1.6	1.6	1.4	1.3	.0	.1	.1	.1	–.2	–.2	–.8	–.3
II	.7	.9	2.6	2.5	1.9	1.6	.3	.7	–2.3	–2.0	–.4	–.2	3.1	3.2
III	1.6	1.3	2.2	2.2	.6	.9	2.5	2.2	.6	.3	.9	.9	1.3	1.5
IV	1.9	1.3	2.2	2.3	.3	1.0	5.6	4.7	2.7	1.9	3.6	3.4	1.7	1.8
2017: I	–.2	.4	1.9	1.9	2.0	1.5	4.0	4.7	1.0	1.6	4.2	4.2	1.8	1.3
II	1.6	1.6	3.7	3.8	2.1	2.2	1.3	1.3	1.2	1.2	–.3	–.3	.8	.8
III	2.8	2.3	3.5	3.6	.7	1.3	5.6	5.1	3.4	2.9	2.8	2.8	2.0	2.1
IV	–1.1	–.3	2.9	3.0	4.1	3.3	1.2	1.9	–2.1	–1.3	2.4	2.3	2.9	2.9
2018: I	.6	.3	2.5	2.6	1.9	2.3	4.3	3.8	.8	.2	3.7	3.4	1.9	1.8
II	3.6	3.0	5.1	5.0	1.5	2.0	.5	.0	–1.1	–1.6	–2.9	–2.8	3.6	3.6
III *	1.9	2.3	4.1	4.1	2.1	1.8	2.8	3.1	.8	1.1	.9	.9	1.0	1.3

[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 1978-2017 is based on the consumer price index research series (CPI-U-RS). The change for 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 28, 2018.

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

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