Table B–16. Productivity and related data, business and nonfarm business sectors, 1969–2017

[Index numbers, 2009=100; quarterly data seasonally adjusted]

Year or quarter	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
1969	43.8	45.5	29.6	29.7	67.5	65.1	12.0	12.2	64.1	65.1	27.4	26.8	25.0	24.4
1970	44.7	46.2	29.5	29.6	66.1	64.1	12.9	13.1	65.1	65.9	28.9	28.3	26.1	25.5
1971	46.5	48.0	30.7	30.7	65.9	64.0	13.7	13.9	66.2	67.0	29.4	28.9	27.2	26.6
1972	48.0	49.6	32.7	32.8	68.0	66.1	14.5	14.7	68.1	69.1	30.3	29.7	28.1	27.4
1973	49.4	51.1	34.9	35.2	70.6	68.7	15.7	15.9	69.2	70.0	31.7	31.0	29.6	28.4
1974	48.6	50.3	34.4	34.6	70.7	68.8	17.2	17.4	68.2	69.0	35.3	34.5	32.5	31.4
1975	50.3	51.7	34.0	34.1	67.7	65.9	19.0	19.2	69.1	69.9	37.8	37.2	35.6	34.7
1976	52.0	53.5	36.3	36.5	69.9	68.2	20.5	20.7	70.6	71.2	39.5	38.7	37.5	36.6
1977	52.9	54.3	38.4	38.6	72.6	70.9	22.2	22.4	71.6	72.3	41.9	41.2	39.7	38.9
1978	53.5	55.1	40.8	41.1	76.3	74.6	24.0	24.3	72.5	73.4	44.9	44.1	42.5	41.5
1979	53.6	54.9	42.3	42.5	78.9	77.3	26.4	26.6	72.7	73.4	49.2	48.5	46.1	45.0
1980	53.5	54.9	41.9	42.1	78.2	76.7	29.2	29.5	72.4	73.1	54.5	53.7	50.2	49.3
1981	54.7	55.8	43.1	43.1	78.7	77.2	31.9	32.3	72.4	73.3	58.4	58.0	54.8	54.0
1982	54.3	55.2	41.8	41.7	77.0	75.5	34.3	34.7	73.3	74.1	63.1	62.8	58.0	57.4
1983	56.3	57.7	44.1	44.4	78.3	77.0	35.8	36.3	73.4	74.3	63.7	62.9	60.0	59.2
1984	57.9	58.9	48.0	48.1	82.9	81.7	37.4	37.8	73.6	74.4	64.7	64.2	61.7	60.9
1985	59.2	59.8	50.2	50.2	84.8	83.9	39.3	39.6	74.8	75.4	66.5	66.3	63.5	62.9
1986	60.8	61.6	52.0	52.1	85.5	84.5	41.5	41.9	77.7	78.4	68.3	68.0	64.3	63.8
1987	61.2	62.0	53.9	54.0	88.1	87.1	43.1	43.5	77.9	78.7	70.5	70.3	65.6	65.1
1988	62.1	63.0	56.2	56.4	90.5	89.6	45.4	45.8	79.2	79.8	73.1	72.7	67.7	67.1
1989	62.8	63.6	58.3	58.5	92.9	92.0	46.8	47.1	78.2	78.7	74.5	74.1	70.2	69.5
1990	64.1	64.6	59.3	59.4	92.5	91.9	49.7	49.9	79.1	79.5	77.6	77.2	72.5	71.8
1991	65.1	65.7	58.9	59.0	90.5	89.8	52.0	52.3	79.9	80.4	79.9	79.6	74.5	74.1
1992	68.1	68.7	61.4	61.4	90.2	89.5	55.2	55.5	82.7	83.3	81.0	80.9	75.7	75.3
1993	68.2	68.8	63.2	63.3	92.6	92.1	56.0	56.2	81.9	82.2	82.1	81.8	77.5	77.0
1994	68.6	69.3	66.2	66.3	96.5	95.6	56.4	56.8	80.8	81.4	82.2	82.0	78.9	78.5
1995	69.2	70.1	68.3	68.6	98.8	97.9	57.8	58.2	80.9	81.4	83.6	83.1	80.2	79.8
1996	70.9	71.6	71.5	71.7	100.9	100.1	59.9	60.2	81.6	82.1	84.5	84.1	81.5	80.9
1997	72.5	73.0	75.3	75.4	103.9	103.3	62.3	62.6	83.1	83.5	85.9	85.7	82.7	82.3
1998	74.7	75.2	79.2	79.4	106.0	105.6	65.9	66.2	86.8	87.1	88.3	88.0	83.1	82.8
1999	77.6	78.0	83.6	83.8	107.7	107.5	69.1	69.2	89.1	89.2	89.1	88.8	83.7	83.6
2000	80.0	80.3	87.3	87.5	109.2	109.0	73.9	74.1	92.1	92.4	92.5	92.3	85.3	85.2
2001	82.1	82.4	87.9	88.1	107.0	106.9	77.3	77.3	93.6	93.7	94.1	93.8	86.8	86.6
2002	85.7	86.0	89.5	89.7	104.4	104.3	79.0	79.1	94.2	94.3	92.2	91.9	87.4	87.3
2003	89.0	89.2	92.3	92.5	103.8	103.7	82.0	82.0	95.6	95.7	92.1	92.0	88.6	88.5
2004	91.8	92.0	96.5	96.6	105.1	105.1	85.8	85.8	97.5	97.4	93.4	93.3	90.7	90.3
2005	93.8	93.9	100.1	100.2	106.8	106.8	88.9	88.9	97.7	97.7	94.8	94.7	93.5	93.4
2006	94.7	94.7	103.3	103.4	109.1	109.2	92.4	92.3	98.3	98.3	97.6	97.5	96.0	96.0
2007	96.0	96.2	105.5	105.8	109.8	110.0	96.4	96.3	99.8	99.6	100.4	100.1	98.2	97.9
2008	96.8	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	104.2	99.2	99.3	100.7	100.7	103.3	102.8
2012	104.0	104.3	108.4	108.8	104.2	104.2	106.8	106.9	99.8	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	99.7	99.6	103.4	103.3	106.9	106.3
2014	105.7	105.7	114.4	114.6	108.3	108.4	111.3	111.3	100.8	100.9	105.3	105.3	108.6	108.2
2015	106.9	107.1	118.4	118.5	110.7	110.7	114.5	114.8	103.7	103.9	107.1	107.2	109.3	109.1
2016	106.9	107.0	120.3	120.2	112.5	112.4	115.7	116.0	103.4	103.7	108.2	108.4	110.4	110.5
2017 [p]	108.2	108.3	123.5	123.7	114.2	114.2	117.4	117.7	102.8	103.0	108.6	108.6	112.1	112.1
2014: I	104.8	104.8	112.1	112.2	106.9	107.1	111.1	111.0	101.1	101.0	106.0	105.9	107.9	107.5
II	105.4	105.4	113.7	113.8	107.8	108.0	110.4	110.3	100.0	99.9	104.7	104.7	108.5	108.0
III	106.4	106.5	115.5	115.7	108.6	108.7	111.0	111.2	100.3	100.5	104.4	104.4	109.0	108.6
IV	105.9	106.0	116.3	116.4	109.8	109.8	112.3	112.6	101.7	101.9	106.1	106.2	108.9	108.6
2015: I	106.5	106.7	117.4	117.6	110.3	110.1	113.1	113.5	103.1	103.4	106.3	106.3	108.7	108.6
II	106.9	107.1	118.4	118.5	110.7	110.7	114.2	114.5	103.5	103.7	106.9	106.9	109.3	109.1
III	107.3	107.4	118.8	118.9	110.7	110.7	114.6	114.8	103.4	103.6	106.7	106.9	109.6	109.4
IV	106.6	106.7	118.9	119.0	111.5	111.5	115.8	116.1	104.4	104.6	108.6	108.7	109.5	109.5
2016: I	106.3	106.4	119.0	119.0	112.0	111.9	114.6	114.9	103.3	103.6	107.8	108.0	109.7	109.7
II	106.5	106.6	119.8	119.8	112.5	112.3	115.9	116.3	103.9	104.2	108.8	109.1	110.2	110.3
III	107.2	107.3	120.8	120.8	112.7	112.5	116.7	117.0	104.1	104.4	108.9	109.1	110.5	110.7
IV	107.7	107.6	121.4	121.4	112.7	112.8	115.6	115.7	102.4	102.4	107.3	107.5	111.2	111.3
2017: I	107.5	107.7	121.8	122.0	113.3	113.3	116.8	117.1	102.7	102.9	108.7	108.7	111.6	111.5
II	107.9	108.1	123.0	123.1	114.0	113.9	116.9	117.2	102.8	103.0	108.4	108.4	111.7	111.7
III	108.8	108.8	124.1	124.3	114.1	114.3	117.9	117.9	103.1	103.2	108.4	108.4	112.3	112.3
IV [p]	108.5	108.8	125.1	125.3	115.3	115.2	118.2	118.5	102.5	102.7	108.9	108.9	112.9	112.9

[1] Output refers to real gross domestic product in the sector.
[2] Hours at work of all persons engaged in sector, including hours of employees, 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 1978-2016 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 output divided by the output index.

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

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