Table B–32. Productivity and related data, business and nonfarm business sectors, 1970–2020

[Index numbers, 2012=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
1970	42.2	43.5	26.8	26.8	63.6	61.7	12.1	12.2	65.2	65.9	28.6	28.0	24.9	24.5
1971	43.9	45.2	27.9	27.8	63.4	61.5	12.8	12.9	66.2	67.0	29.1	28.6	26.0	25.6
1972	45.4	46.8	29.7	29.7	65.4	63.5	13.6	13.8	68.2	69.1	30.0	29.5	26.9	26.4
1973	46.8	48.2	31.7	31.8	67.9	66.1	14.7	14.8	69.3	70.0	31.4	30.8	28.3	27.3
1974	46.0	47.4	31.2	31.4	68.0	66.2	16.0	16.2	68.2	69.0	34.9	34.2	31.1	30.2
1975	47.6	48.7	31.0	30.9	65.0	63.3	17.8	17.9	69.2	69.9	37.3	36.8	34.1	33.4
1976	49.2	50.4	33.0	33.1	67.2	65.6	19.2	19.3	70.7	71.2	39.0	38.4	35.8	35.2
1977	50.1	51.3	34.9	35.0	69.8	68.2	20.7	20.9	71.7	72.4	41.4	40.8	38.0	37.4
1978	50.7	52.0	37.2	37.3	73.3	71.7	22.5	22.7	72.6	73.4	44.3	43.7	40.6	39.8
1979	50.7	51.9	38.5	38.6	75.9	74.3	24.6	24.9	72.7	73.4	48.6	47.9	44.0	43.1
1980	50.7	51.9	38.1	38.2	75.2	73.7	27.3	27.6	72.4	73.2	53.8	53.1	47.9	47.2
1981	51.8	52.6	39.2	39.1	75.7	74.3	29.8	30.2	72.4	73.3	57.6	57.4	52.3	51.8
1982	51.5	52.2	38.1	37.9	73.9	72.6	32.1	32.4	73.4	74.2	62.2	62.1	55.3	55.0
1983	53.3	54.4	40.1	40.3	75.3	74.0	33.5	33.9	73.5	74.3	62.8	62.3	57.3	56.9
1984	54.8	55.6	43.7	43.7	79.7	78.6	35.0	35.3	73.7	74.4	63.8	63.6	58.9	58.5
1985	56.1	56.6	45.7	45.6	81.5	80.6	36.8	37.1	74.9	75.5	65.5	65.5	60.4	60.2
1986	57.7	58.2	47.4	47.3	82.2	81.2	38.8	39.2	77.8	78.4	67.3	67.3	61.3	61.1
1987	58.0	58.6	49.1	49.0	84.7	83.7	40.3	40.7	78.0	78.7	69.5	69.4	62.4	62.2
1988	58.9	59.5	51.2	51.3	87.0	86.1	42.4	42.8	79.3	79.9	72.1	71.8	64.4	64.1
1989	59.6	60.1	53.2	53.1	89.3	88.4	43.7	44.0	78.2	78.7	73.4	73.2	66.8	66.5
1990	60.7	61.1	54.0	53.9	88.9	88.3	46.5	46.7	79.2	79.6	76.5	76.3	69.0	68.7
1991	61.7	62.1	53.7	53.6	87.0	86.3	48.6	48.9	80.0	80.4	78.8	78.7	71.0	70.9
1992	64.6	64.9	56.0	55.8	86.6	85.9	51.6	51.9	82.9	83.4	79.9	80.0	72.1	72.1
1993	64.7	65.0	57.6	57.5	89.0	88.5	52.4	52.6	82.0	82.3	81.0	80.9	73.8	73.8
1994	65.0	65.4	60.3	60.1	92.8	91.9	52.8	53.1	80.9	81.4	81.1	81.1	75.1	75.1
1995	65.5	66.1	62.2	62.2	94.9	94.1	54.0	54.4	80.9	81.5	82.5	82.2	76.5	76.5
1996	67.1	67.5	65.1	65.0	97.0	96.3	56.0	56.3	81.7	82.1	83.4	83.3	77.7	77.5
1997	68.6	68.8	68.5	68.4	99.9	99.3	58.2	58.5	83.2	83.5	84.9	84.9	78.8	78.9
1998	70.7	71.0	72.0	72.0	101.9	101.4	61.7	61.9	86.9	87.2	87.2	87.2	79.3	79.4
1999	73.5	73.7	76.1	76.1	103.5	103.3	64.7	64.7	89.2	89.3	87.9	87.9	79.8	80.0
2000	76.1	76.1	79.8	79.7	104.9	104.7	69.1	69.3	92.3	92.4	90.9	91.0	81.0	81.3
2001	78.2	78.2	80.4	80.3	102.8	102.7	72.3	72.3	93.8	93.8	92.5	92.4	82.3	82.6
2002	81.5	81.6	81.8	81.7	100.3	100.1	73.9	74.0	94.4	94.5	90.7	90.7	82.9	83.3
2003	84.7	84.7	84.5	84.3	99.7	99.6	76.7	76.7	95.8	95.8	90.5	90.6	83.9	84.2
2004	87.3	87.1	88.1	87.9	100.9	100.9	80.3	80.2	97.7	97.6	92.0	92.1	86.1	86.2
2005	89.2	89.0	91.5	91.3	102.6	102.6	83.2	83.2	97.9	97.8	93.2	93.4	88.7	89.1
2006	90.3	90.0	94.6	94.4	104.8	104.9	86.4	86.3	98.4	98.4	95.7	95.9	91.1	91.6
2007	91.7	91.6	96.8	96.7	105.5	105.6	90.3	90.1	100.0	99.8	98.4	98.4	93.2	93.4
2008	92.7	92.6	95.8	95.7	103.3	103.4	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	96.0	93.6	93.5	100.2	100.2	97.4	97.5	94.9	95.4
2010	99.3	99.2	95.2	95.0	95.9	95.9	95.3	95.3	100.4	100.4	95.9	96.1	96.0	96.3
2011	99.2	99.2	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	101.4	105.6	105.4	103.9	104.0	104.1	104.1	100.9	100.9	102.5	102.7	103.1	103.3
2015	103.1	103.0	109.6	109.4	106.3	106.2	107.2	107.4	103.7	103.9	104.0	104.3	103.6	104.0
2016	103.5	103.3	111.6	111.3	107.9	107.8	108.3	108.6	103.5	103.7	104.7	105.1	104.4	105.0
2017	104.8	104.6	114.7	114.4	109.4	109.4	112.2	112.4	104.9	105.1	107.1	107.5	106.3	106.8
2018	106.4	106.1	118.7	118.4	111.5	111.6	116.0	116.2	105.9	106.0	109.0	109.5	108.6	109.2
2019	108.2	107.9	121.6	121.3	112.3	112.4	120.2	120.4	107.8	107.9	111.1	111.5	110.2	110.8
2017: I	104.4	104.2	113.4	113.1	108.7	108.6	110.6	110.8	104.0	104.1	105.9	106.3	105.6	106.2
II	104.4	104.2	114.0	113.7	109.2	109.2	111.3	111.4	104.5	104.7	106.6	107.0	105.9	106.4
III	105.1	104.8	115.0	114.8	109.4	109.5	112.8	112.9	105.4	105.4	107.3	107.7	106.4	107.0
IV	105.3	105.2	116.3	116.1	110.5	110.4	114.1	114.4	105.8	106.0	108.4	108.8	107.1	107.6
2018: I	106.0	105.8	117.6	117.3	110.9	110.9	114.9	115.0	105.6	105.8	108.3	108.8	107.6	108.2
II	106.5	106.1	118.5	118.2	111.3	111.4	115.4	115.4	105.5	105.5	108.3	108.8	108.5	109.1
III	106.5	106.2	119.1	118.9	111.8	111.9	116.7	116.8	106.2	106.3	109.5	110.0	108.9	109.5
IV	106.7	106.4	119.6	119.3	112.1	112.1	117.1	117.3	106.2	106.4	109.8	110.3	109.3	109.9
2019: I	107.7	107.4	120.6	120.4	112.1	112.1	119.6	119.8	108.3	108.4	111.1	111.6	109.4	110.0
II	108.3	107.9	121.0	120.8	111.8	111.9	120.1	120.2	107.9	108.0	111.0	111.4	110.2	110.8
III	108.3	108.0	121.9	121.6	112.6	112.7	120.1	120.2	107.4	107.5	110.9	111.3	110.4	111.1
IV	108.7	108.4	122.7	122.5	113.0	113.0	121.0	121.2	107.6	107.7	111.4	111.8	110.8	111.4
2020: I	108.7	108.3	120.8	120.5	111.2	111.2	123.6	123.9	109.6	109.8	113.8	114.4	111.0	111.7
II	111.2	111.1	107.7	107.4	96.9	96.7	129.2	129.7	115.6	115.9	116.2	116.7	109.8	110.6
III *p*	112.9	112.4	118.0	117.6	104.5	104.6	128.1	128.2	113.1	113.2	113.5	114.0	111.1	111.9

[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 1978-2019 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).