TABLE B–48.—*Changes in productivity and related data, business sector, 1960–99*

[Percent change from preceding period; quarterly data at seasonally adjusted annual rates]

Year or quarter	Output per hour of all persons		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
1960	1.9	1.3	1.9	1.8	0.1	0.5	4.3	4.4	2.6	2.7	2.4	3.1	1.1	1.2
1961	3.6	3.2	2.0	2.0	–1.6	–1.2	4.0	3.4	2.9	2.4	.4	.2	.8	.8
1962	4.6	4.6	6.4	6.8	1.7	2.1	4.5	4.1	3.5	3.0	–.1	–.5	1.0	1.0
1963	3.9	3.5	4.6	4.6	.6	1.1	3.7	3.5	2.3	2.2	–.3	.0	.6	.7
1964	4.6	4.3	6.4	6.7	1.7	2.4	5.2	4.6	3.8	3.3	.6	.3	1.1	1.2
1965	3.5	3.1	7.0	7.0	3.4	3.9	3.7	3.3	2.1	1.7	.2	.2	1.6	1.4
1966	4.1	3.5	6.8	7.2	2.6	3.6	6.7	5.8	3.7	2.9	2.5	2.2	2.5	2.3
1967	2.1	1.7	1.9	1.7	–.3	.0	5.7	5.8	2.5	2.7	3.5	4.1	2.8	3.2
1968	3.5	3.5	5.0	5.3	1.4	1.7	8.2	7.9	3.8	3.5	4.5	4.2	3.9	3.8
1969	.5	.2	3.1	3.1	2.5	2.9	7.0	6.8	1.4	1.3	6.4	6.6	4.4	4.3
1970	2.0	1.5	.0	–.1	–2.0	–1.6	7.7	7.2	1.9	1.4	5.6	5.6	4.4	4.5
1971	4.0	3.9	3.6	3.5	–.4	–.3	6.4	6.5	1.9	2.0	2.2	2.5	4.6	4.6
1972	3.1	3.2	6.5	6.7	3.3	3.4	6.2	6.4	2.9	3.1	3.0	3.1	3.5	3.1
1973	3.0	3.0	6.8	7.1	3.7	4.0	8.6	8.2	2.2	1.9	5.3	5.1	5.3	3.7
1974	–1.3	–1.1	–1.1	–1.1	.1	.1	9.7	9.8	–1.2	–1.1	11.1	11.1	9.2	9.7
1975	3.6	2.8	–.9	–1.6	–4.3	–4.3	10.3	10.1	1.0	.9	6.5	7.1	9.5	10.5
1976	3.2	3.3	6.4	6.8	3.1	3.4	8.8	8.6	2.9	2.7	5.5	5.2	5.6	5.9
1977	1.5	1.4	5.5	5.5	3.9	4.0	7.9	8.0	1.3	1.4	6.3	6.6	6.3	6.6
1978	1.5	1.6	6.4	6.7	4.9	5.0	9.0	9.1	1.8	1.9	7.4	7.3	6.9	6.5
1979	.2	–.1	3.6	3.5	3.4	3.6	9.7	9.5	.3	.1	9.5	9.6	8.2	8.2
1980	.1	.1	–.8	–.7	–.9	–.8	10.8	10.8	–.3	–.3	10.7	10.7	8.7	9.3
1981	2.0	1.3	2.7	2.1	.7	.7	9.5	9.7	.1	.3	7.4	8.2	9.1	9.5
1982	–.2	–.5	–2.8	–2.9	–2.5	–2.5	7.5	7.4	1.4	1.4	7.8	7.9	5.5	6.0
1983	3.4	4.3	5.2	6.2	1.7	1.9	4.2	4.3	.0	.1	.7	–.1	3.6	3.3
1984	2.8	2.2	8.8	8.3	5.8	6.0	4.4	4.3	.3	.2	1.5	2.0	2.8	2.8
1985	2.0	1.3	4.2	3.9	2.2	2.5	4.9	4.6	1.5	1.2	2.9	3.3	2.6	3.1
1986	3.0	3.1	3.7	3.9	.7	.8	5.2	5.2	3.3	3.3	2.1	2.1	1.6	1.6
1987	.6	.5	3.7	3.7	3.0	3.2	3.9	3.8	.4	.3	3.2	3.3	2.4	2.4
1988	1.2	1.3	4.3	4.6	3.1	3.3	4.7	4.5	1.0	.8	3.5	3.1	3.1	3.0
1989	.9	.7	3.5	3.3	2.5	2.6	2.8	2.7	–1.5	–1.6	1.8	2.0	3.8	3.7
1990	1.3	1.1	1.5	1.4	.2	.3	5.7	5.5	.6	.5	4.3	4.3	3.6	3.7
1991	1.5	1.6	–.9	–.9	–2.3	–2.4	4.8	4.9	1.0	1.1	3.2	3.3	3.1	3.4
1992	4.3	4.1	4.0	3.9	–.3	–.2	5.3	5.3	2.7	2.7	1.0	1.2	1.6	1.7
1993	.1	.1	2.7	3.0	2.6	2.9	2.4	2.1	–.1	–.4	2.3	2.1	2.5	2.6
1994	1.3	1.3	4.8	4.7	3.5	3.3	2.0	2.1	–.2	–.1	.7	.8	1.8	1.9
1995	.7	1.0	3.2	3.4	2.4	2.4	2.1	2.1	–.6	–.6	1.4	1.1	1.9	1.9
1996	2.9	2.7	4.5	4.4	1.5	1.7	3.2	3.1	.5	.4	.3	.4	1.5	1.3
1997	2.2	2.0	5.4	5.3	3.1	3.3	3.7	3.6	1.5	1.4	1.5	1.6	1.5	1.7
1998	2.8	2.8	5.1	5.2	2.2	2.4	5.3	5.2	3.9	3.8	2.4	2.4	.7	.8
1994: I	1.2	1.1	3.4	2.5	2.2	1.4	5.3	5.6	3.9	4.2	4.0	4.5	1.2	1.2
II	.8	1.5	7.7	8.0	6.9	6.5	–.7	–.3	–2.9	–2.4	–1.5	–1.7	1.4	1.9
III	–.8	–1.1	2.1	2.2	2.9	3.3	.7	.4	–2.4	–2.7	1.6	1.5	2.6	3.1
IV	3.0	3.6	6.4	6.9	3.3	3.1	2.7	3.0	.4	.7	–.3	–.6	1.6	1.4
1995: I	–1.3	–.8	1.4	1.8	2.8	2.6	1.6	1.6	–1.2	–1.3	3.0	2.4	2.7	2.7
II	1.1	1.1	.9	1.1	–.2	–.1	3.1	2.9	–.1	–.2	1.9	1.8	1.5	1.5
III	.9	1.2	3.8	4.2	2.9	3.0	2.9	3.0	.8	.9	2.0	1.7	1.5	1.0
IV	3.8	3.2	4.2	4.0	.4	.7	3.4	3.1	1.3	1.0	–.4	–.1	1.1	.6
1996: I	4.1	3.9	4.1	3.9	.0	–.1	2.4	2.5	–.6	–.4	–1.6	–1.4	1.7	1.6
II	4.7	4.2	7.7	7.6	2.9	3.3	4.4	4.0	.7	.3	–.3	–.2	1.7	1.4
III	.3	.1	2.7	2.8	2.4	2.6	3.5	3.1	1.4	1.0	3.2	2.9	1.4	1.2
IV	2.1	1.9	5.9	5.9	3.7	3.9	3.3	3.3	.2	.2	1.2	1.3	1.2	1.8
1997: I	1.3	.9	5.8	5.5	4.4	4.5	3.4	3.6	1.0	1.2	2.1	2.7	2.2	2.5
II	3.4	3.3	6.2	6.2	2.7	2.8	2.6	2.6	1.5	1.5	–.7	–.6	1.4	1.7
III	3.6	3.3	4.8	4.6	1.1	1.3	4.8	4.4	3.0	2.6	1.1	1.0	.8	1.1
IV	1.2	1.2	3.9	4.1	2.7	2.9	6.7	6.4	4.8	4.5	5.4	5.1	.7	.8
1998: I	4.6	4.4	8.1	8.3	3.4	3.7	4.9	4.8	4.2	4.1	.3	.4	.4	.9
II	.6	.9	2.2	2.4	1.6	1.4	5.5	5.6	3.9	3.9	4.9	4.6	.8	.5
III	3.4	3.1	4.4	4.4	.9	1.2	6.1	6.2	4.7	4.7	2.6	3.0	.9	.6
IV	4.3	4.1	7.2	7.3	2.8	3.1	4.9	4.6	3.3	2.9	.6	.5	.4	–.3
1999: I	3.0	2.7	3.9	4.0	.9	1.3	4.9	4.2	3.6	2.8	1.9	1.4	1.3	1.5
II	.8	.6	1.9	1.8	1.0	1.3	5.1	4.8	1.5	1.2	4.2	4.2	1.1	1.4
III	4.7	4.9	6.3	6.6	1.6	1.6	4.6	4.7	1.9	2.1	–.1	–.2	.7	.7

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

[2] Hours at work 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 the consumer price index for all urban consumers for recent quarters. The trend from 1978–98 is based on the consumer price index research series (CPI–U–RS).

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

Note.—Percent changes are based on original data and may differ slightly from percent changes based on indexes in Table B–47.

Source: Department of Labor, Bureau of Labor Statistics.

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