

TABLE B–32. Productivity and related data, business and nonfarm business sectors, 1972–2022

[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		Value-added output 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
1972	45,574	46,924	29,651	29,666	65,061	63,222	13,662	13,835	68,518	69,385	29,978	29,484	26,870	26,357
1973	46,943	48,369	31,710	31,820	67,550	65,786	14,744	14,891	69,614	70,308	31,409	30,787	28,263	27,292
1974	46,130	47,560	31,226	31,342	67,691	65,900	16,116	16,294	68,529	69,284	34,937	34,259	31,031	30,125
1975	47,733	48,841	30,930	30,831	64,797	63,125	17,827	17,995	69,465	70,120	37,348	36,844	34,031	33,332
1976	49,320	50,547	33,019	33,041	66,948	65,366	19,251	19,396	70,925	71,459	39,032	38,372	35,809	35,144
1977	50,220	51,425	34,910	34,938	69,514	67,940	20,792	20,988	71,926	72,602	41,402	40,812	37,928	37,330
1978	50,820	52,142	37,137	37,271	73,075	71,480	22,541	22,785	72,869	73,660	44,354	43,699	40,551	39,773
1979	50,881	52,025	38,456	38,533	75,580	74,066	24,718	24,951	72,985	73,674	48,580	47,959	43,944	43,101
1980	50,861	51,997	38,108	38,204	74,926	73,473	27,361	27,627	72,655	73,361	53,797	53,133	47,850	47,200
1981	51,942	52,757	39,220	39,075	75,507	74,066	29,932	30,276	72,625	73,460	57,626	57,388	52,262	51,721
1982	51,648	52,323	38,094	37,879	73,757	72,394	32,148	32,483	73,559	74,325	62,244	62,080	55,240	54,913
1983	53,406	54,463	40,113	40,227	75,109	73,861	33,560	33,931	73,645	74,459	62,839	62,301	57,224	56,835
1984	54,931	55,683	43,671	43,630	79,502	78,354	35,045	35,393	73,830	74,564	63,798	63,561	58,842	58,401
1985	56,185	56,645	45,708	45,551	81,352	80,414	36,830	37,116	75,015	75,598	65,550	65,523	60,395	60,187
1986	57,766	58,335	47,368	47,275	82,000	81,041	38,909	39,253	77,886	78,575	67,356	67,289	61,213	61,035
1987	58,082	58,556	49,068	48,993	84,480	83,525	40,366	40,731	78,117	78,823	69,498	69,440	62,364	62,175
1988	58,956	59,625	51,170	51,225	86,793	85,912	42,507	42,822	79,392	79,980	72,100	71,819	64,349	64,075
1989	59,630	60,158	53,129	53,107	89,098	88,279	43,785	44,063	78,353	78,850	73,427	73,245	66,717	66,409
1990	60,812	61,172	53,979	53,901	88,764	88,114	46,516	46,699	79,641	79,641	76,491	76,341	68,933	68,683
1991	61,779	62,167	53,650	53,562	86,841	86,158	48,667	48,916	80,084	80,494	78,776	78,686	70,930	70,829
1992	64,649	64,948	55,922	55,738	86,501	85,820	51,658	51,956	82,943	83,421	79,905	79,997	72,080	72,017
1993	64,710	65,022	57,517	57,458	88,884	88,368	52,413	52,592	82,085	82,365	80,996	80,884	73,744	73,697
1994	65,080	65,468	60,290	60,102	92,640	91,803	52,794	53,106	80,991	81,469	81,122	81,117	75,058	75,063
1995	65,535	66,174	62,143	62,167	94,825	93,944	54,072	54,420	81,000	81,521	82,509	82,327	76,397	76,392
1996	67,131	67,564	65,028	64,964	96,867	96,152	55,997	56,295	81,708	82,143	83,415	83,322	77,600	77,447
1997	68,581	68,867	68,442	68,313	99,798	99,196	58,243	58,487	83,187	83,536	84,926	84,928	78,747	78,794
1998	70,924	71,182	72,206	72,150	101,808	101,360	61,677	61,871	86,915	87,188	86,963	86,919	78,959	79,081
1999	73,814	73,968	76,378	76,345	103,473	103,214	64,654	64,739	89,210	89,327	87,591	87,523	79,393	79,631
2000	76,104	76,167	79,805	79,675	104,863	104,605	69,136	69,278	92,284	92,453	90,845	90,956	80,850	81,185
2001	78,118	78,140	80,283	80,216	102,772	102,656	72,295	72,287	93,808	93,799	92,546	92,510	82,224	82,495
2002	81,413	81,478	81,651	81,562	100,292	100,103	73,900	73,946	94,403	94,462	90,772	90,755	82,836	83,189
2003	84,538	84,487	84,228	84,089	99,633	99,530	76,688	76,705	95,789	95,810	90,914	90,789	84,064	84,392
2004	87,180	87,006	87,932	87,730	100,862	100,832	80,260	80,197	97,613	97,537	92,062	92,174	86,174	86,295
2005	89,115	89,800	91,385	91,156	102,548	102,538	83,156	83,122	97,822	97,782	93,314	93,501	88,849	89,205
2006	90,030	89,782	94,378	94,190	104,829	104,910	86,360	86,320	98,402	98,356	95,924	96,144	91,359	91,806
2007	91,382	91,202	96,392	96,343	105,483	105,637	90,213	90,050	99,956	99,777	98,721	98,738	93,471	93,658
2008	92,755	92,636	95,552	95,492	103,015	103,083	93,007	92,929	99,241	99,158	100,271	100,316	94,841	95,039
2009	96,433	96,222	92,038	91,814	95,442	95,419	94,146	94,107	100,806	100,705	97,628	97,802	94,882	95,358
2010	99,644	99,491	95,012	94,841	95,352	95,327	95,803	95,846	100,916	100,961	96,145	96,337	96,036	96,373
2011	99,359	99,280	96,881	96,782	97,506	97,484	97,599	97,704	99,666	99,773	98,229	98,412	98,217	98,235
2012	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
2013	100,929	100,562	102,460	102,240	101,516	101,668	101,484	101,322	100,002	99,843	100,549	100,756	101,463	101,442
2014	101,354	101,112	105,469	105,280	104,060	104,122	104,018	104,024	100,793	100,799	102,628	102,680	103,152	103,298
2015	102,494	102,347	109,067	108,835	106,424	106,339	107,077	107,295	103,578	103,789	104,482	104,635	103,693	103,043
2016	103,156	102,987	111,123	110,834	107,724	107,620	108,551	108,777	103,668	103,883	105,231	105,622	104,455	105,041
2017	104,321	104,132	114,071	113,833	109,346	109,316	112,375	112,552	105,060	105,225	107,721	108,086	106,304	106,822
2018	105,926	105,639	118,073	117,838	111,468	111,548	116,183	116,340	106,035	106,178	109,684	110,129	108,583	109,179
2019	107,921	107,726	121,178	121,046	112,284	112,365	120,612	120,794	108,118	108,282	111,759	112,131	110,237	110,890
2020	112,652	112,545	117,031	116,855	103,887	103,830	130,314	130,634	115,375	115,659	115,678	116,073	110,647	111,317
2021	115,110	115,030	125,993	125,997	109,455	109,534	136,581	136,774	115,529	115,693	118,653	118,903	116,104	116,441
2022 ^P	113,244	113,108	128,776	128,884	113,715	113,947	143,216	143,230	112,492	112,503	126,467	126,631	124,640	124,497
2019: I	107,077	106,823	119,792	119,638	111,874	111,996	120,093	120,249	108,654	108,795	112,155	112,568	109,535	110,207
II	107,739	107,492	120,635	120,484	111,970	112,087	120,218	120,364	107,918	108,049	111,583	111,975	110,244	110,934
III	108,240	108,095	121,890	121,767	112,611	112,648	120,250	120,462	107,546	107,736	111,096	111,441	110,446	111,091
IV	108,840	108,711	122,395	122,297	112,454	112,497	122,149	122,371	108,593	108,790	112,228	112,565	110,708	111,313
2020: I	108,811	108,570	120,499	120,194	110,659	110,706	125,120	125,382	110,873	111,105	114,999	115,484	110,793	111,419
II	112,922	112,978	108,093	107,928	95,724	95,530	132,281	132,754	118,212	118,635	117,144	117,504	109,517	110,306
III	114,975	114,762	119,045	118,873	103,540	103,582	130,431	130,585	115,206	115,343	113,443	113,788	110,750	111,454
IV	113,760	113,739	120,578	120,423	105,994	105,877	133,342	133,737	117,134	117,481	117,213	117,582	111,411	111,986
2021: I	114,692	114,702	122,955	122,893	107,204	107,141	133,098	133,447	115,755	116,058	116,048	116,342	113,131	113,689
II	115,409	115,372	125,546	125,542	108,784	108,815	135,429	135,693	115,510	115,735	117,347	117,613	115,137	115,418
III	114,633	114,496	126,354	126,385	110,225	110,384	137,533	137,639	115,418	115,507	119,977	120,213	116,964	117,191
IV	115,489	115,336	129,116	129,169	111,800	111,994	139,859	139,902	115,156	115,191	121,102	121,300	119,034	119,318
2022: I	113,627	113,538	128,320	128,365	112,930	113,059	140,438	140,568	113,316	113,412	123,596	123,798	121,500	121,524
II	112,614	112,456	127,864	127,964	113,542	113,790	141,476	141,558	111,553	111,544	125,629	125,797	124,546	124,369
III	112,889	112,785	128,979	129,113	114,253	114,478	144,227	144,268	112,197	112,229	127,759	127,915	125,724	125,528
IV ^P	113,447	113,250	129,942	130,095	114,540	114,874	146,116	146,013	112,513	112,434	128,797	128,929	126,754	126,533

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 1978-2021 is based on