

II. Macroeconomic accounting systems

6. Productivity and labour costs in the economy as a whole *

Period	GDP at previous-year prices per total hours worked		Compensation per employee hours worked (domestic concept)		Labour costs				GDP deflator	
	2020 = 100	Change from previous period in %	2020 = 100	Change from previous period in %	Per unit of output 1		Per unit of turnover 2		2020 = 100	Change from previous period in %
					2020 = 100	Change from previous period in %	2020 = 100	Change from previous period in %		
2008 Q4	90.04	-1.0	71.65	1.9	79.58	2.9	95.90	2.5	82.97	0.4
2009 Q1	86.68	-3.7	71.92	0.4	82.97	4.3	98.98	3.2	83.81	1.0
Q2	88.06	1.6	72.83	1.3	82.70	-0.3	98.46	-0.5	83.99	0.2
Q3	88.60	0.6	72.96	0.2	82.35	-0.4	97.61	-0.9	84.35	0.4
Q4	89.16	0.6	72.88	-0.1	81.74	-0.7	96.41	-1.2	84.77	0.5
2010 Q1	89.36	0.2	73.68	1.1	82.45	0.9	97.38	1.0	84.66	-0.1
Q2	90.32	1.1	73.19	-0.7	81.03	-1.7	96.09	-1.3	84.32	-0.4
Q3	90.76	0.5	73.45	0.4	80.93	-0.1	95.25	-0.9	84.95	0.7
Q4	90.15	-0.7	72.74	-1.0	80.69	-0.3	94.59	-0.7	85.29	0.4
2011 Q1	91.91	2.0	74.20	2.0	80.73	0.0	94.56	-0.0	85.38	0.1
Q2	92.33	0.5	75.12	1.2	81.36	0.8	95.04	0.5	85.61	0.3
Q3	92.61	0.3	75.44	0.4	81.46	0.1	94.68	-0.4	86.03	0.5
Q4	92.59	-0.0	76.05	0.8	82.14	0.8	95.06	0.4	86.40	0.4
2012 Q1	92.71	0.1	76.42	0.5	82.43	0.4	95.26	0.2	86.53	0.2
Q2	93.17	0.5	78.51	2.7	84.27	2.2	97.11	1.9	86.77	0.3
Q3	93.28	0.1	78.97	0.6	84.66	0.5	96.90	-0.2	87.37	0.7
Q4	93.21	-0.1	79.49	0.7	85.28	0.7	97.22	0.3	87.71	0.4
2013 Q1	93.22	0.0	80.60	1.4	86.46	1.4	97.76	0.6	88.45	0.8
Q2	93.49	0.3	79.97	-0.8	85.54	-1.1	96.59	-1.2	88.56	0.1
Q3	93.39	-0.1	80.11	0.2	85.78	0.3	96.40	-0.2	88.98	0.5
Q4	93.63	0.3	81.12	1.3	86.64	1.0	96.98	0.6	89.34	0.4
2014 Q1	93.80	0.2	81.51	0.5	86.90	0.3	96.56	-0.4	89.98	0.7
Q2	94.06	0.3	82.27	0.9	87.47	0.7	96.69	0.1	90.46	0.5
Q3	94.52	0.5	82.56	0.4	87.35	-0.1	96.37	-0.3	90.63	0.2
Q4	94.97	0.5	83.20	0.8	87.61	0.3	96.27	-0.1	90.99	0.4
2015 Q1	94.56	-0.4	83.69	0.6	88.50	1.0	96.79	0.5	91.43	0.5
Q2	94.70	0.1	84.55	1.0	89.28	0.9	97.06	0.3	91.98	0.6
Q3	95.28	0.6	84.88	0.4	89.08	-0.2	96.55	-0.5	92.26	0.3
Q4	95.21	-0.1	84.88	0.0	89.15	0.1	96.42	-0.1	92.45	0.2
2016 Q1	96.45	1.3	86.82	2.3	90.02	1.0	97.02	0.6	92.78	0.4
Q2	96.00	-0.5	85.34	-1.7	88.90	-1.2	95.48	-1.6	93.10	0.3
Q3	96.14	0.1	86.84	1.8	90.33	1.6	96.81	1.4	93.29	0.2
Q4	96.58	0.5	87.93	1.3	91.04	0.8	97.26	0.5	93.61	0.3
2017 Q1	97.34	0.8	87.80	-0.1	90.20	-0.9	96.05	-1.2	93.90	0.3
Q2	97.89	0.6	89.31	1.7	91.24	1.2	96.70	0.7	94.34	0.5
Q3	98.04	0.2	89.61	0.3	91.40	0.2	96.33	-0.4	94.86	0.6
Q4	99.10	1.1	90.91	1.5	91.74	0.4	96.42	0.1	95.14	0.3
2018 Q1	99.05	-0.1	91.89	1.1	92.77	1.1	97.13	0.7	95.52	0.4
Q2	98.42	-0.6	91.52	-0.4	92.99	0.2	96.96	-0.2	95.90	0.4
Q3	97.87	-0.6	93.23	1.9	95.26	2.4	98.69	1.8	96.52	0.6
Q4	98.34	0.5	93.46	0.2	95.04	-0.2	97.60	-1.1	97.37	0.9
2019 Q1	98.69	0.4	94.39	1.0	95.64	0.6	98.08	0.5	97.50	0.1
Q2	99.46	0.8	96.46	2.2	96.98	1.4	99.07	1.0	97.89	0.4
Q3	98.71	-0.8	95.94	-0.5	97.19	0.2	98.67	-0.4	98.49	0.6
Q4	99.59	0.9	97.26	1.4	97.66	0.5	98.46	-0.2	99.18	0.7
2020 Q1	99.01	-0.6	98.29	1.1	99.27	1.6	99.34	0.9	99.94	0.8
Q2	96.40	-2.6	100.37	2.1	104.12	4.9	103.41	4.1	100.69	0.8
Q3	102.94	6.8	101.70	1.3	98.80	-5.1	99.44	-3.8	99.35	-1.3
Q4	101.56	-1.3	99.72	-1.9	98.19	-0.6	98.10	-1.3	100.08	0.7
2021 Q1	100.56	-1.0	99.84	0.1	99.28	1.1	97.83	-0.3	101.46	1.4
Q2	100.69	0.1	98.77	-1.1	98.09	-1.2	96.81	-1.0	101.31	-0.1
Q3	102.72	2.0	103.41	4.7	100.67	2.6	97.17	0.4	103.58	2.2
Q4	101.19	-1.5	101.96	-1.4	100.76	0.1	96.19	-1.0	104.73	1.1
2022 Q1	101.08	-0.1	103.54	1.5	102.43	1.7	96.15	-0.0	106.53	1.7
Q2	101.30	0.2	104.37	0.8	103.03	0.6	95.05	-1.1	108.38	1.7
Q3	101.78	0.5	105.57	1.1	103.72	0.7	94.85	-0.2	109.35	0.9
Q4	101.47	-0.3	108.71	3.0	107.14	3.3	95.68	0.9	111.95	2.4
2023 Q1	100.87	-0.6	109.02	0.3	108.08	0.9	95.01	-0.7	113.73	1.6
Q2	100.35	-0.5	110.67	1.5	110.28	2.0	95.74	0.8	115.17	1.3
Q3	100.68	0.3	112.37	1.5	111.61	1.2	96.03	0.3	116.19	0.9
Q4	101.15	0.5	115.51	2.8	114.20	2.3	96.84	0.8	117.89	1.5
2024 Q1	101.25	0.1	116.97	1.3	115.53	1.2	97.81	1.0	118.09	0.2
Q2	100.56	-0.7	116.70	-0.2	116.05	0.5	97.45	-0.4	119.07	0.8
Q3	100.45	-0.1	117.44	0.6	116.91	0.7	97.88	0.4	119.41	0.3
Q4	...	...	...	...	...	...	...	...	120.76	1.1

Sources of the unadjusted figures: Federal Statistical Office, Institute for Employment Research of the Federal Employment Agency. * Last update: GDP deflator 30 January 2025, productivity and labour costs November 2024. + Not adjusted for working-day variations; derived from seasonally adjusted basic series, except GDP

deflator. 1 Index of compensation per employee hours worked divided by index of GDP at previous-year prices per total hours worked. 2 Index of compensation per employee hours worked divided by index of nominal GDP per total hours worked.