

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	
	2015 = 100	Change from previous period in %	2015 = 100	Change from previous period in %	Per unit of output 1		Per unit of turnover 2		2015 = 100	Change from previous period in %
					2015 = 100	Change from previous period in %	2015 = 100	Change from previous period in %		
2008 Q1	96.31	0.0	3 82.38	0.9	3 85.54	0.9	3 95.56	1.0	89.51	-0.0
Q2	95.89	-0.4	3 81.71	-0.8	3 85.21	-0.4	3 94.93	-0.7	89.76	0.3
Q3	95.74	-0.2	83.40	2.1	87.11	2.2	96.84	2.0	89.95	0.2
Q4	94.80	-1.0	85.02	1.9	89.68	3.0	99.28	2.5	90.34	0.4
2009 Q1	91.37	-3.6	85.43	0.5	93.50	4.3	102.75	3.5	90.99	0.7
Q2	92.74	1.5	86.52	1.3	93.29	-0.2	102.16	-0.6	91.31	0.4
Q3	93.27	0.6	86.65	0.2	92.90	-0.4	101.19	-0.9	91.80	0.5
Q4	93.83	0.6	86.56	-0.1	92.25	-0.7	100.22	-1.0	92.03	0.3
2010 Q1	94.08	0.3	87.41	1.0	92.91	0.7	100.85	0.6	92.11	0.1
Q2	95.11	1.1	86.74	-0.8	91.20	-1.8	99.59	-1.2	91.57	-0.6
Q3	95.54	0.5	87.18	0.5	91.25	0.1	98.85	-0.7	92.30	0.8
Q4	95.04	-0.5	86.35	-1.0	90.86	-0.4	98.23	-0.6	92.50	0.2
2011 Q1	96.95	2.0	88.04	2.0	90.81	-0.1	98.13	-0.1	92.54	0.0
Q2	97.30	0.4	89.25	1.4	91.73	1.0	98.76	0.6	92.87	0.4
Q3	97.87	0.6	89.56	0.3	91.51	-0.2	98.14	-0.6	93.24	0.4
Q4	97.49	-0.4	90.22	0.7	92.54	1.1	98.61	0.5	93.83	0.6
2012 Q1	97.52	0.0	90.55	0.4	92.85	0.3	98.90	0.3	93.89	0.1
Q2	98.18	0.7	93.10	2.8	94.83	2.1	100.76	1.9	94.10	0.2
Q3	98.31	0.1	93.58	0.5	95.19	0.4	100.44	-0.3	94.76	0.7
Q4	98.04	-0.3	94.11	0.6	95.99	0.8	100.73	0.3	95.30	0.6
2013 Q1	98.18	0.1	95.37	1.3	97.14	1.2	101.29	0.6	95.90	0.6
Q2	98.40	0.2	94.67	-0.7	96.21	-1.0	100.03	-1.2	96.18	0.3
Q3	98.43	0.0	94.91	0.3	96.42	0.2	99.81	-0.2	96.60	0.4
Q4	98.87	0.4	96.17	1.3	97.27	0.9	100.52	0.7	96.76	0.2
2014 Q1	98.94	0.1	96.51	0.4	97.54	0.3	99.91	-0.6	97.62	0.9
Q2	99.24	0.3	97.41	0.9	98.16	0.6	100.02	0.1	98.12	0.5
Q3	99.64	0.4	97.68	0.3	98.03	-0.1	99.66	-0.4	98.36	0.2
Q4	100.16	0.5	98.41	0.7	98.25	0.2	99.69	0.0	98.56	0.2
2015 Q1	99.47	-0.7	99.04	0.6	99.57	1.3	100.07	0.4	99.48	0.9
Q2	99.80	0.3	100.05	1.0	100.25	0.7	100.34	0.3	99.88	0.4
Q3	100.37	0.6	100.44	0.4	100.07	-0.2	99.87	-0.5	100.18	0.3
Q4	100.34	-0.0	100.46	0.0	100.12	0.0	99.74	-0.1	100.36	0.2
2016 Q1	101.41	1.1	102.66	2.2	101.23	1.1	100.34	0.6	100.88	0.5
Q2	101.16	-0.2	100.91	-1.7	99.75	-1.5	98.55	-1.8	101.20	0.3
Q3	101.21	0.0	102.60	1.7	101.37	1.6	100.00	1.5	101.36	0.2
Q4	101.66	0.4	103.90	1.3	102.20	0.8	100.37	0.4	101.80	0.4
2017 Q1	102.40	0.7	103.59	-0.3	101.16	-1.0	99.09	-1.3	102.06	0.3
Q2	103.02	0.6	105.29	1.6	102.20	1.0	99.57	0.5	102.62	0.5
Q3	103.05	0.0	105.58	0.3	102.46	0.3	99.36	-0.2	103.09	0.5
Q4	104.19	1.1	107.19	1.5	102.88	0.4	99.35	-0.0	103.52	0.4
2018 Q1	103.99	-0.2	108.20	0.9	104.05	1.1	100.05	0.7	103.98	0.4
Q2	103.47	-0.5	107.73	-0.4	104.12	0.1	99.62	-0.4	104.50	0.5
Q3	102.70	-0.7	109.77	1.9	106.88	2.7	101.62	2.0	105.16	0.6
Q4	103.36	0.6	110.03	0.2	106.45	-0.4	100.47	-1.1	105.92	0.7
2019 Q1	103.75	0.4	111.22	1.1	107.20	0.7	101.04	0.6	106.08	0.2
Q2	104.47	0.7	113.60	2.1	108.74	1.4	101.87	0.8	106.71	0.6
Q3	103.48	-0.9	113.00	-0.5	109.20	0.4	101.55	-0.3	107.51	0.7
Q4	104.77	1.2	114.53	1.4	109.32	0.1	100.97	-0.6	108.25	0.7
2020 Q1	104.42	-0.3	115.70	1.0	110.80	1.4	101.70	0.7	108.96	0.7
Q2	101.36	-2.9	118.16	2.1	116.57	5.2	105.90	4.1	110.09	1.0
Q3	108.54	7.1	119.81	1.4	110.38	-5.3	101.84	-3.8	108.37	-1.6
Q4	106.86	-1.5	117.60	-1.8	110.05	-0.3	100.69	-1.1	109.29	0.8
2021 Q1	105.26	-1.5	117.57	-0.0	111.69	1.5	100.67	-0.0	110.93	1.5
Q2	104.93	-0.3	115.61	-1.7	110.18	-1.4	99.23	-1.4	111.00	0.1
Q3	107.70	2.6	121.07	4.7	112.41	2.0	99.32	0.1	113.17	2.0
Q4	105.83	-1.7	119.71	-1.1	113.12	0.6	98.73	-0.6	114.55	1.2
2022 Q1	106.41	0.5	121.41	1.4	114.10	0.9	98.29	-0.4	116.06	1.3
Q2	106.40	-0.0	121.56	0.1	114.25	0.1	97.12	-1.2	117.62	1.3
Q3	106.14	-0.2	122.61	0.9	115.52	1.1	97.58	0.5	118.36	0.6
Q4	106.88	0.7	127.30	3.8	119.11	3.1	98.08	0.5	121.42	2.6
2023 Q1	105.58	-1.2	127.80	0.4	121.05	1.6	97.89	-0.2	124.07	2.2
Q2	105.17	-0.4	128.68	0.7	122.35	1.1	97.53	-0.4	125.22	0.9
Q3	105.28	0.1	131.06	1.8	124.49	1.7	98.35	0.8	126.35	0.9
Q4	...	...	...	...	...	...	...	...	129.24	2.3

Sources of the unadjusted figures: Federal Statistical Office, Institute for Employment Research of the Federal Employment Agency. * Last update: GDP deflator 30 January 2024, productivity and labour costs November 2023. + 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. 3 Quarterly change mainly affected by the particularly significant calendar irregularities, which are largely balanced out over a six-month period. 4 GDP deflator revised as of Q1 2023.