

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 r (R)	
	2015 = 100	Change from previous period in %	2015 = 100	Change from previous period in %	Per unit of output 1		Per unit of turnover 2		2020 = 100	Change from previous period in %
					2015 = 100	Change from previous period in %	2015 = 100	Change from previous period in %		
2008 Q3	95.73	-0.2	83.40	2.0	87.12	2.2	96.86	2.0	82.65	0.3
2008 Q4	94.80	-1.0	85.02	1.9	89.68	2.9	99.29	2.5	82.97	0.4
2009 Q1	91.37	-3.6	85.41	0.5	93.48	4.2	102.72	3.5	83.81	1.0
2009 Q2	92.74	1.5	86.55	1.3	93.33	-0.2	102.18	-0.5	83.99	0.2
2009 Q3	93.27	0.6	86.65	0.1	92.90	-0.5	101.19	-1.0	84.35	0.4
2009 Q4	93.83	0.6	86.56	-0.1	92.25	-0.7	100.23	-0.9	84.77	0.5
2010 Q1	94.09	0.3	87.37	0.9	92.86	0.7	100.80	0.6	84.67	-0.1
2010 Q2	95.11	1.1	86.77	-0.7	91.23	-1.8	99.61	-1.2	84.32	-0.4
2010 Q3	95.53	0.4	87.18	0.5	91.26	0.0	98.85	-0.8	84.94	0.7
2010 Q4	95.05	-0.5	86.35	-1.0	90.85	-0.4	98.24	-0.6	85.29	0.4
2011 Q1	96.95	2.0	88.03	1.9	90.80	-0.1	98.12	-0.1	85.38	0.1
2011 Q2	97.30	0.4	89.27	1.4	91.75	1.0	98.77	0.7	85.61	0.3
2011 Q3	97.86	0.6	89.56	0.3	91.52	-0.3	98.14	-0.6	86.03	0.5
2011 Q4	97.49	-0.4	90.23	0.7	92.55	1.1	98.66	0.5	86.40	0.4
2012 Q1	97.52	0.0	90.54	0.3	92.84	0.3	98.88	0.2	86.53	0.2
2012 Q2	98.18	0.7	93.11	2.8	94.84	2.2	100.76	1.9	86.77	0.3
2012 Q3	98.31	0.1	93.58	0.5	95.19	0.4	100.43	-0.3	87.36	0.7
2012 Q4	98.04	-0.3	94.11	0.6	95.99	0.8	100.75	0.3	87.71	0.4
2013 Q1	98.18	0.1	95.36	1.3	97.13	1.2	101.26	0.5	88.45	0.8
2013 Q2	98.40	0.2	94.68	-0.7	96.22	-0.9	100.03	-1.2	88.56	0.1
2013 Q3	98.43	0.0	94.91	0.2	96.42	0.2	99.80	-0.2	88.98	0.5
2013 Q4	98.87	0.4	96.17	1.3	97.27	0.9	100.54	0.7	89.34	0.4
2014 Q1	98.94	0.1	96.51	0.4	97.54	0.3	99.91	-0.6	89.98	0.7
2014 Q2	99.24	0.3	97.42	0.9	98.17	0.6	100.02	0.1	90.45	0.5
2014 Q3	99.64	0.4	97.68	0.3	98.03	-0.1	99.65	-0.4	90.63	0.2
2014 Q4	100.16	0.5	98.41	0.7	98.25	0.2	99.71	0.1	90.99	0.4
2015 Q1	99.47	-0.7	99.04	0.6	99.57	1.3	100.07	0.4	91.43	0.5
2015 Q2	99.80	0.3	100.06	1.0	100.26	0.7	100.35	0.3	91.98	0.6
2015 Q3	100.37	0.6	100.44	0.4	100.07	-0.2	99.86	-0.5	92.25	0.3
2015 Q4	100.34	-0.0	100.46	0.0	100.12	0.0	99.76	-0.1	92.45	0.2
2016 Q1	101.41	1.1	102.66	2.2	101.23	1.1	100.35	0.6	92.79	0.4
2016 Q2	101.17	-0.2	100.91	-1.7	99.74	-1.5	98.54	-1.8	93.10	0.3
2016 Q3	101.21	0.0	102.60	1.7	101.37	1.6	99.99	1.5	93.29	0.2
2016 Q4	101.66	0.4	103.89	1.3	102.19	0.8	100.36	0.4	93.61	0.3
2017 Q1	102.40	0.7	103.58	-0.3	101.15	-1.0	99.11	-1.2	93.90	0.3
2017 Q2	103.02	0.6	105.30	1.7	102.21	1.0	99.58	0.5	94.34	0.5
2017 Q3	103.04	0.0	105.59	0.3	102.47	0.3	99.37	-0.2	94.86	0.6
2017 Q4	104.19	1.1	107.18	1.5	102.87	0.4	99.32	-0.1	95.14	0.3
2018 Q1	103.99	-0.2	108.17	0.9	104.02	1.1	100.09	0.8	95.52	0.4
2018 Q2	103.48	-0.5	107.76	-0.4	104.14	0.1	99.64	-0.4	95.90	0.4
2018 Q3	102.69	-0.8	109.78	1.9	106.90	2.7	101.59	2.0	96.52	0.6
2018 Q4	103.35	0.6	110.02	0.2	106.45	-0.4	100.44	-1.1	97.37	0.9
2019 Q1	103.75	0.4	111.16	1.0	107.14	0.6	101.11	0.7	97.51	0.1
2019 Q2	104.47	0.7	113.64	2.2	108.78	1.5	101.93	0.8	97.89	0.4
2019 Q3	103.47	-1.0	113.02	-0.5	109.23	0.4	101.50	-0.4	98.49	0.6
2019 Q4	104.77	1.3	114.56	1.4	109.34	0.1	100.95	-0.5	99.16	0.7
2020 Q1	104.42	-0.3	115.54	0.9	110.65	1.2	101.72	0.8	99.95	0.8
2020 Q2	101.37	-2.9	118.27	2.4	116.67	5.4	106.00	4.2	100.69	0.7
2020 Q3	108.53	7.1	119.82	1.3	110.40	-5.4	101.72	-4.0	99.36	-1.3
2020 Q4	106.85	-1.5	117.64	-1.8	110.10	-0.3	100.69	-1.0	100.05	0.7
2021 Q1	105.27	-1.5	117.32	-0.3	111.45	1.2	100.66	-0.0	101.48	1.4
2021 Q2	104.96	-0.3	115.78	-1.3	110.31	-1.0	99.38	-1.3	101.30	-0.2
2021 Q3	107.68	2.6	121.10	4.6	112.46	1.9	99.13	-0.3	103.60	2.3
2021 Q4	105.83	-1.7	119.76	-1.1	113.16	0.6	98.75	-0.4	104.71	1.1
2022 Q1	106.42	0.6	121.06	1.1	113.76	0.5	98.29	-0.5	106.47	1.7
2022 Q2	106.44	0.0	121.84	0.6	114.47	0.6	97.34	-1.0	108.44	1.9
2022 Q3	106.10	-0.3	122.62	0.6	115.57	1.0	97.32	-0.0	109.38	0.9
2022 Q4	106.88	0.7	127.35	3.9	119.15	3.1	98.13	0.8	111.95	2.3
2023 Q1	105.87	-0.9	127.29	-0.0	120.23	0.9	97.23	-0.9	113.65	1.5
2023 Q2	105.40	-0.4	129.15	1.5	122.53	1.9	97.84	0.6	115.26	1.4
2023 Q3	105.62	0.2	131.23	1.6	124.25	1.4	97.91	0.1	116.23	0.8
2023 Q4	106.32	0.7	134.50	2.5	126.50	1.8	98.27	0.4	117.94	1.5
2024 Q1	105.45	-0.8	135.41	0.7	128.41	1.5	99.36	1.1	118.10	0.1
2024 Q2	...	...	...	...	...	...	...	...	119.81	1.4

Sources of the unadjusted figures: Federal Statistical Office, Institute for Employment Research of the Federal Employment Agency. * Last update: GDP deflator 30 July 2024, productivity and labour costs May 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.