

II. Macroeconomic accounting systems

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

(R) seasonally adjusted +

Period	GDP at previous-year prices per total hours worked r		Compensation per employee hours worked (domestic concept) r		Labour costs r				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 Q3	90.93	-0.0	70.31	2.1	77.32	2.1	93.55	1.9	82.66	0.3
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
2009 Q2	88.06	1.6	72.83	1.3	82.70	-0.3	98.46	-0.5	83.99	0.2
2009 Q3	88.60	0.6	72.96	0.2	82.35	-0.4	97.61	-0.9	84.35	0.4
2009 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
2010 Q2	90.32	1.1	73.19	-0.7	81.03	-1.7	96.09	-1.3	84.32	-0.4
2010 Q3	90.76	0.5	73.45	0.4	80.93	-0.1	95.25	-0.9	84.95	0.7
2010 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
2011 Q2	92.33	0.5	75.12	1.2	81.36	0.8	95.04	0.5	85.61	0.3
2011 Q3	92.61	0.3	75.44	0.4	81.46	0.1	94.68	-0.4	86.03	0.5
2011 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
2012 Q2	93.17	0.5	78.51	2.7	84.27	2.2	97.11	1.9	86.77	0.3
2012 Q3	93.28	0.1	78.97	0.6	84.66	0.5	96.90	-0.2	87.37	0.7
2012 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
2013 Q2	93.49	0.3	79.97	-0.8	85.54	-1.1	96.59	-1.2	88.56	0.1
2013 Q3	93.39	-0.1	80.11	0.2	85.78	0.3	96.40	-0.2	88.98	0.5
2013 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
2014 Q2	94.06	0.3	82.27	0.9	87.47	0.7	96.69	0.1	90.46	0.5
2014 Q3	94.52	0.5	82.56	0.4	87.35	-0.1	96.37	-0.3	90.63	0.2
2014 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
2015 Q2	94.70	0.1	84.55	1.0	89.28	0.9	97.06	0.3	91.98	0.6
2015 Q3	95.28	0.6	84.88	0.4	89.08	-0.2	96.55	-0.5	92.26	0.3
2015 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
2016 Q2	96.00	-0.5	85.34	-1.7	88.90	-1.2	95.48	-1.6	93.10	0.3
2016 Q3	96.14	0.1	86.84	1.8	90.33	1.6	96.81	1.4	93.29	0.2
2016 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
2017 Q2	97.89	0.6	89.31	1.7	91.24	1.2	96.70	0.7	94.34	0.5
2017 Q3	98.04	0.2	89.61	0.3	91.40	0.2	96.33	-0.4	94.86	0.6
2017 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
2018 Q2	98.42	-0.6	91.52	-0.4	92.99	0.2	96.96	-0.2	95.90	0.4
2018 Q3	97.87	-0.6	93.23	1.9	95.26	2.4	98.69	1.8	96.52	0.6
2018 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
2019 Q2	99.46	0.8	96.46	2.2	96.98	1.4	99.07	1.0	97.89	0.4
2019 Q3	98.71	-0.8	95.94	-0.5	97.19	0.2	98.67	-0.4	98.49	0.6
2019 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
2020 Q2	96.40	-2.6	100.37	2.1	104.12	4.9	103.41	4.1	100.69	0.8
2020 Q3	102.94	6.8	101.70	1.3	98.80	-5.1	99.44	-3.8	99.35	-1.3
2020 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
2021 Q2	100.69	0.1	98.77	-1.1	98.09	-1.2	96.81	-1.0	101.31	-0.1
2021 Q3	102.72	2.0	103.41	4.7	100.67	2.6	97.17	0.4	103.58	2.2
2021 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
2022 Q2	101.30	0.2	104.37	0.8	103.03	0.6	95.05	-1.1	108.38	1.7
2022 Q3	101.78	0.5	105.57	1.1	103.72	0.7	94.85	-0.2	109.35	0.9
2022 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
2023 Q2	100.35	-0.5	110.67	1.5	110.28	2.0	95.74	0.8	115.17	1.3
2023 Q3	100.68	0.3	112.37	1.5	111.61	1.2	96.03	0.3	116.19	0.9
2023 Q4	101.15	0.5	115.51	2.8	114.20	2.3	96.84	0.8	117.89	1.5
2024 Q1	100.53	-0.6	116.06	0.5	115.45	1.1	97.58	0.8	118.29	0.3
2024 Q2	100.01	-0.5	115.55	-0.4	115.54	0.1	96.79	-0.8	119.35	0.9

Sources of the unadjusted figures: Federal Statistical Office, Institute for Employment Research of the Federal Employment Agency. * Last update: August 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. 3 GDP deflator partially revised as of Q1 2021.