



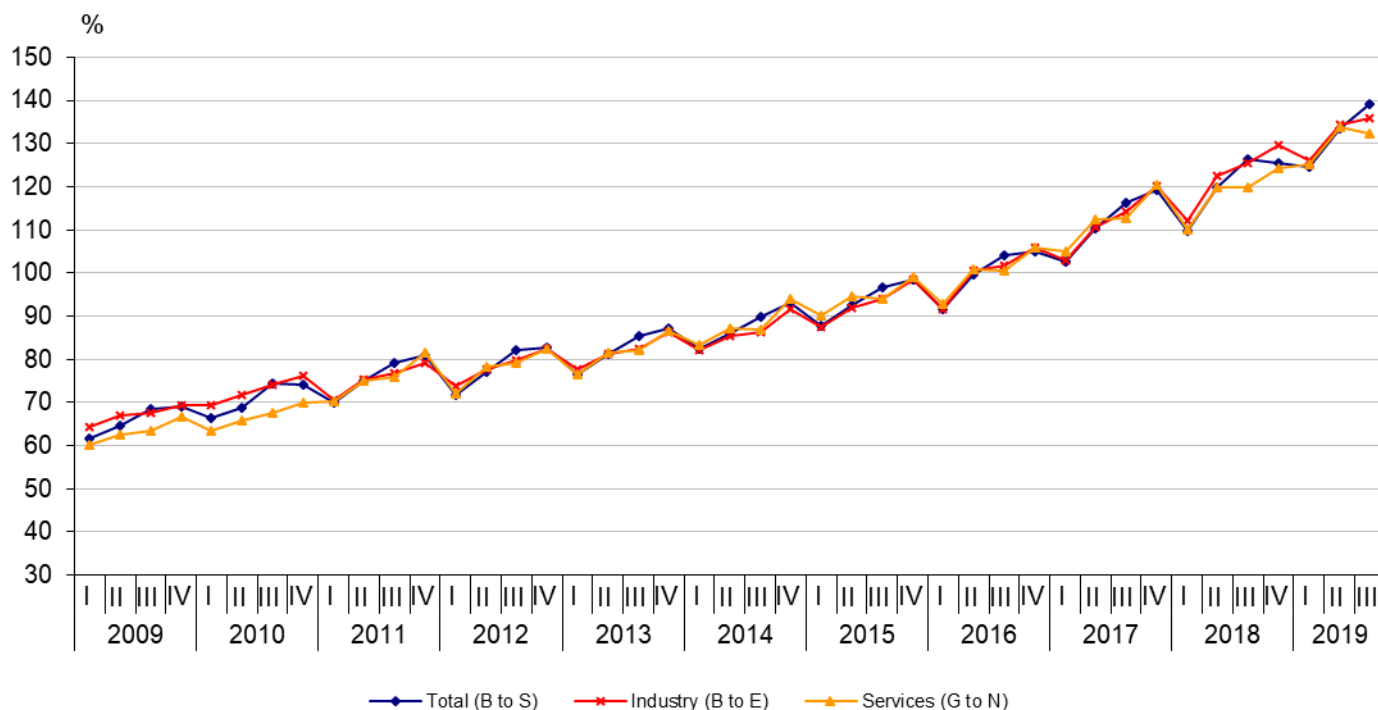
## QUARTERLY LABOUR COST INDEX THIRD QUARTER OF 2019

Preliminary data of the NSI for the third quarter of 2019 indicate that the total hourly labour cost rose by 10.0% compared to the third quarter of 2018. The total hourly labour cost grew by 8.3% in industry, by 10.5% in services and by 10.1% in construction.

The breakdown by economic activities showed that the highest annual growths in total labour costs were recorded in 'Real estate activities' - 15.0%, 'Other service activities' - 14.0% and 'Education' - 12.8%.

In the structure of the total labour costs, the wages and salaries costs per hour worked grew by 9.7% in comparison with a year earlier, while the other (non-wage) costs rose by 11.2%. Among the economic activities in the third quarter of 2019 compared to the third quarter of 2018 the growth rate of wages and salaries component ranged from 15.1% in 'Other service activities' to 2.2% in 'Mining and quarrying'.

**Figure 1. Total labour cost index  
(Working day adjusted, 2016 = 100)**





## Methodological notes

Labour Cost Index is a short-term indicator measuring the quarterly development of hourly labour costs incurred by the employers as a result of engaging the labour work force. The Quarterly Survey on employees, hours worked, wages and salaries and other expenditures paid by the employer is the main source used for the labour cost index data calculation.

**Labour cost index (LCI)** is defined as a Laspeyres index of labour costs per hour worked. Since first quarter of 2019 it has been calculated broken down by economic activities at section level according to the new NACE Rev. 2 classification and with a reference year 2016 = 100. Indices are based on Regulation (EC) No. 450/2003 of the European Parliament and of the Council according to which requirements Labour costs indices shall be provided separately for the following three labour costs categories:

**Total labour costs (TOT)**, which includes wages and salaries paid by the employer in cash or in kind, employers' actual and imputed social contribution plus taxes regarded as labour costs;

**Wage and salary costs (WAG)** covers wages and salaries paid in cash or in kind;

**Labour costs other than wages and salaries (OTH - non-wage costs)** include the employers' actual and imputed social contribution plus taxes regarded as labour costs.

### Economic activity coverage (NACE Rev. 2):

- **Total (sections B to S)** - Mining and quarrying (B), Manufacturing (C), Electricity, gas, steam and air conditioning supply (D), Water supply, sewerage, waste management and remediation activities (E), Construction (F), Wholesale and retail trade; repair of motor vehicles and motorcycles (G), Transportation and storage (H), Accommodation and food service activities (I), Information and communication (J), Financial and insurance activities (K), Real estate activities (L), Professional, scientific and technical activities (M), Administrative and support service activities (N), Public administration and defence; compulsory social security (O), Education (P), Human health and social work activities (Q), Arts, entertainment and recreation (R), Other service activities (S);
- **Industry (section B to E)** - Mining and quarrying (B), Manufacturing (C), Electricity, gas, steam and air conditioning supply (D), Water supply, sewerage, waste management and remediation activities (E);
- **Services (sections G to N)** - Wholesale and retail trade; repair of motor vehicles and motorcycles (G), Transportation and storage (H), Accommodation and food service activities (I), Information and communication (J), Financial and insurance activities (K), Real estate activities (L), Professional, scientific and technical activities (M), Administrative and support service activities (N).

More methodological information on the labour cost index and data could be found on the NSI official website - <http://www.nsi.bg/en> .

Hourly labour cost index for the period third quarter of 2017 - third quarter of 2019  
(Working day adjusted)

Code NCEA - 2008 <sup>1</sup>	Economic activities	(Percentage change compared to corresponding period of the previous year)																										
		q3 2017			q4 2017			q1 2018 <sup>2</sup>			q2 2018 <sup>2</sup>			q3 2018 <sup>2</sup>			q4 2018 <sup>2</sup>			q1 2019 <sup>2</sup>			q2 2019 <sup>2</sup>			q3 2019 <sup>2</sup>		
		TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH
B to S	All NACE branches except agriculture, fishing, private households with employed persons	11.8	11.8	11.8	13.7	13.5	14.3	6.9	6.5	9.1	8.7	8.5	9.4	8.8	8.5	10.3	5.2	4.8	6.9	13.6	13.4	14.5	11.4	11.3	11.9	10.0	9.7	11.2
B to E	Industry (except construction)	12.3	12.1	13.7	13.4	13.0	15.3	9.0	8.9	9.5	10.8	10.7	11.3	9.8	9.6	11.0	7.7	7.4	9.6	12.4	12.0	14.7	9.5	9.1	11.8	8.3	8.0	10.0
G to N	Services (excluding public administration)	12.3	12.4	12.0	13.5	13.6	13.3	5.0	4.4	8.0	6.6	6.4	7.8	6.2	6.0	7.2	3.3	3.1	4.5	13.7	13.8	13.5	11.7	11.7	11.4	10.5	10.3	11.7
B	Mining and quarrying	15.8	15.7	16.3	18.0	17.8	18.7	11.4	13.0	5.9	8.3	8.8	6.7	5.0	4.9	5.3	5.3	5.3	5.1	9.1	8.6	10.8	5.8	5.4	7.3	4.1	2.2	10.5
C	Manufacturing	12.9	12.6	14.5	14.3	13.8	16.9	9.8	9.5	11.2	11.3	11.1	12.1	10.8	10.5	12.0	7.5	7.4	7.8	12.9	12.6	14.3	9.7	9.5	11.1	8.6	8.6	8.8
D	Electricity,gas,steam and air conditioning supply	6.9	6.7	7.4	4.8	4.8	4.7	2.8	3.0	2.0	10.4	10.1	11.9	8.2	7.6	10.5	12.4	8.9	26.9	12.4	9.6	24.4	11.8	9.5	21.4	9.1	6.6	19.0
E	Water supply,sewerage,waste management and remediation activities	10.1	9.6	12.2	12.1	12.0	12.7	7.1	6.8	8.6	7.8	8.1	6.6	5.0	4.8	6.1	5.9	6.2	4.6	9.9	10.4	7.7	6.8	6.8	6.7	7.7	7.8	7.2
F	Construction	10.2	11.0	6.1	13.0	13.9	8.2	5.3	4.7	8.7	10.5	10.4	11.2	8.0	7.4	11.3	1.9	1.2	5.5	9.8	9.8	10.1	10.3	10.0	11.6	10.1	10.2	10.0
G	Wholesale and retail trade;repair of motor vehicles and motorcycles	12.3	12.8	10.0	16.4	16.3	16.7	1.7	0.9	5.8	3.2	2.7	6.2	3.3	3.0	5.2	-1.1	-1.7	2.2	14.2	14.5	12.5	12.1	12.3	10.8	10.8	10.7	11.4
H	Transportation and storage	10.7	10.4	12.2	11.5	11.6	11.1	10.6	9.6	15.4	12.3	10.9	18.5	10.9	10.2	14.4	8.8	8.3	10.9	13.3	12.9	15.1	12.4	12.5	11.9	12.4	12.3	12.7
I	Accommodation and food service activities	10.9	10.5	12.5	11.1	10.9	12.0	6.2	5.5	9.5	11.5	11.7	10.2	13.5	13.0	15.9	6.4	6.1	7.9	14.4	14.4	14.5	11.5	11.6	10.9	10.3	10.4	9.6
J	Information and communication	13.5	13.8	11.5	12.7	13.2	9.5	6.1	5.7	9.0	9.7	10.3	5.7	6.8	7.2	4.0	5.8	6.2	2.9	14.6	14.8	13.3	14.1	14.0	14.2	11.6	11.1	15.2
K	Financial and insurance activities	8.2	8.0	9.0	7.7	7.1	11.3	4.6	5.1	1.6	2.0	2.6	-1.2	4.9	4.9	4.5	5.9	6.4	3.4	11.9	11.9	12.1	11.7	12.0	9.6	8.9	8.8	9.5
L	Real estate activities	13.2	12.6	16.9	8.7	10.3	0.5	-7.0	-8.5	1.7	-8.0	-8.5	-5.3	-8.7	-8.5	-9.7	-10.8	-11.6	-6.2	18.6	19.8	12.7	15.8	15.8	15.8	15.0	14.3	18.9
M	Professional,scientific and technical activities	12.8	12.5	14.4	12.8	12.7	13.4	6.6	6.8	5.3	9.1	9.3	7.8	8.2	8.3	7.6	6.6	6.6	6.4	11.0	10.7	13.0	6.0	5.4	9.3	4.2	3.8	6.7
N	Administrative and support service activities	17.3	17.0	19.0	18.0	18.1	17.6	7.3	6.6	10.9	7.1	6.8	9.0	5.4	5.0	7.4	1.8	1.4	3.9	14.7	14.7	14.7	9.9	9.6	11.5	12.4	12.3	12.7
O	Public administration and defence;compulsory social security	8.7	7.5	12.7	13.0	11.5	18.2	7.8	7.5	8.7	10.0	9.9	10.5	10.0	9.7	10.8	7.2	6.9	8.4	15.6	14.4	19.7	9.6	9.8	9.1	8.9	8.5	10.4
P	Education	13.6	14.2	11.2	20.7	20.6	21.0	10.7	10.2	12.8	11.2	12.4	6.6	15.5	15.3	16.3	4.1	3.9	4.9	17.9	17.8	18.4	18.4	17.9	20.5	12.8	12.2	14.8
Q	Human health and social work	8.7	8.6	9.5	9.7	9.6	9.9	9.6	9.3	11.1	7.5	6.8	10.9	8.6	8.4	9.9	9.0	8.7	10.9	12.1	12.2	11.3	11.3	11.8	8.8	9.5	9.4	9.7
R	Arts,entertainment and recreation	8.0	8.4	5.8	7.8	8.4	4.6	10.0	9.3	13.5	17.0	16.5	19.9	19.9	19.3	23.6	10.5	9.6	15.2	12.8	13.0	11.9	9.4	9.4	9.3	11.1	11.2	10.4
S	Other service activities	12.6	12.5	13.2	17.0	17.0	17.0	9.4	8.2	15.9	12.5	12.1	14.5	10.2	8.5	19.0	6.9	5.9	12.5	17.8	18.3	15.2	15.5	16.3	11.6	14.0	15.1	8.5

<sup>1</sup> NCEA - 2008 - National Classification of economic activities comparable with NACE Rev.2.

<sup>2</sup> Preliminary data.

TOT - Total labour costs

WAG - Wages and salaries costs

OTH - Other (non-wage) costs



**Labour Cost Index - Total labour costs for the period 2015 - 2019**  
(Working day adjusted, 2016=100)

Code NCEA - 2008 <sup>1</sup>	Economic activities	(Per cent)																		
		2015				2016				2017				2018 <sup>2</sup>				2019 <sup>2</sup>		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
<b>B to S</b>	<b>All NACE branches except agriculture, fishing, private households with employed persons</b>	87.7	92.5	96.6	98.5	91.5	99.5	104.0	105.0	102.5	110.2	116.3	119.3	109.6	119.8	126.5	125.5	124.5	133.4	139.1
<b>B to E</b>	<b>Industry (except construction)</b>	87.4	91.8	94.0	98.5	91.6	100.6	101.8	106.0	102.8	110.6	114.3	120.2	112.0	122.6	125.6	129.5	126.0	134.3	136.0
<b>G to N</b>	<b>Services (excluding public administration)</b>	90.0	94.5	93.9	99.0	92.9	100.7	100.4	106.0	104.9	112.3	112.8	120.4	110.1	119.7	119.7	124.4	125.2	133.7	132.3
B	Mining and quarrying	91.0	95.2	93.7	106.2	91.0	99.0	97.7	112.3	102.3	111.1	113.2	132.4	114.0	120.3	118.8	139.4	124.4	127.3	123.6
C	Manufacturing	86.5	89.7	93.2	96.9	92.4	99.9	102.6	105.2	103.9	110.7	115.8	120.2	114.0	123.1	128.3	129.2	128.7	135.1	139.3
D	Electricity,gas,steam and air conditioning supply	88.8	102.3	97.7	102.5	86.4	106.4	99.3	107.8	96.3	110.9	106.1	113.0	99.0	122.5	114.8	127.0	111.3	136.9	125.3
E	Water supply,sewerage,waste management and remediation activities	92.7	96.4	97.0	103.1	91.3	101.6	100.8	106.3	100.5	108.8	110.9	119.2	107.7	117.3	116.5	126.2	118.3	125.3	125.5
F	Construction	93.4	94.0	93.2	105.3	98.8	97.7	96.7	106.9	105.6	105.2	106.5	120.8	111.2	116.3	115.1	123.0	122.2	128.2	126.8
G	Wholesale and retail trade;repair of motor vehicles and motorcycles	91.4	94.8	93.8	97.3	93.3	100.0	101.0	105.7	105.6	112.8	113.4	123.1	107.3	116.4	117.2	121.7	122.6	130.5	129.9
H	Transportation and storage	92.5	98.6	98.1	98.4	93.0	101.9	101.8	103.4	104.0	110.6	112.6	115.3	115.0	124.2	124.9	125.4	130.2	139.6	140.4
I	Accommodation and food service activities	92.7	93.1	92.0	99.4	96.6	100.9	96.0	106.4	105.7	109.1	106.4	118.3	112.2	121.6	120.8	125.9	128.3	135.6	133.2
J	Information and communication	86.8	90.3	93.0	98.2	92.0	99.3	101.5	107.2	105.2	110.3	115.2	120.9	111.7	121.0	123.0	127.9	128.0	138.0	137.3
K	Financial and insurance activities	88.6	98.8	91.2	102.0	91.4	106.1	97.9	104.6	99.2	112.7	105.9	112.6	103.7	115.0	111.0	119.3	116.1	128.4	120.9
L	Real estate activities	88.2	95.5	89.6	100.4	92.9	99.8	97.9	109.5	99.6	109.8	110.8	119.1	92.6	101.0	101.2	106.2	109.9	117.0	116.4
M	Professional,scientific and technical activities	91.3	95.0	97.8	106.8	90.9	99.2	101.4	108.5	103.8	112.0	114.4	122.4	110.6	122.2	123.8	130.4	122.8	129.5	128.9
N	Administrative and support service activities	85.2	90.4	91.2	95.7	94.2	100.3	99.4	106.1	111.4	120.0	116.5	125.3	119.5	128.6	122.8	127.5	137.0	141.2	138.0
O	Public administration and defence;compulsory social security	86.8	91.7	97.5	97.8	91.2	98.9	107.0	102.9	101.1	109.4	116.3	116.2	108.9	120.4	127.9	124.7	126.0	132.0	139.3
P	Education	73.6	83.5	125.3	93.1	78.3	89.9	136.1	95.8	89.5	100.8	154.6	115.6	99.1	112.1	178.6	120.3	116.9	132.7	201.4
Q	Human health and social work activities	86.2	92.3	94.7	97.0	91.4	100.0	104.9	103.6	97.6	110.1	114.1	113.6	107.0	118.3	123.9	123.9	119.9	131.7	135.7
R	Arts,entertainment and recreation	86.3	88.0	95.2	96.7	89.3	94.4	104.3	111.9	101.6	104.6	112.7	120.6	111.8	122.4	135.2	133.2	126.1	133.9	150.2
S	Other service activities	88.3	92.9	95.4	95.5	92.7	100.0	103.2	104.0	104.7	109.0	116.2	121.8	114.6	122.6	128.1	130.2	135.0	141.6	146.0

<sup>1</sup> NCEA - 2008 - National Classification of economic activities comparable with NACE Rev.2.

<sup>2</sup> Preliminary data.