



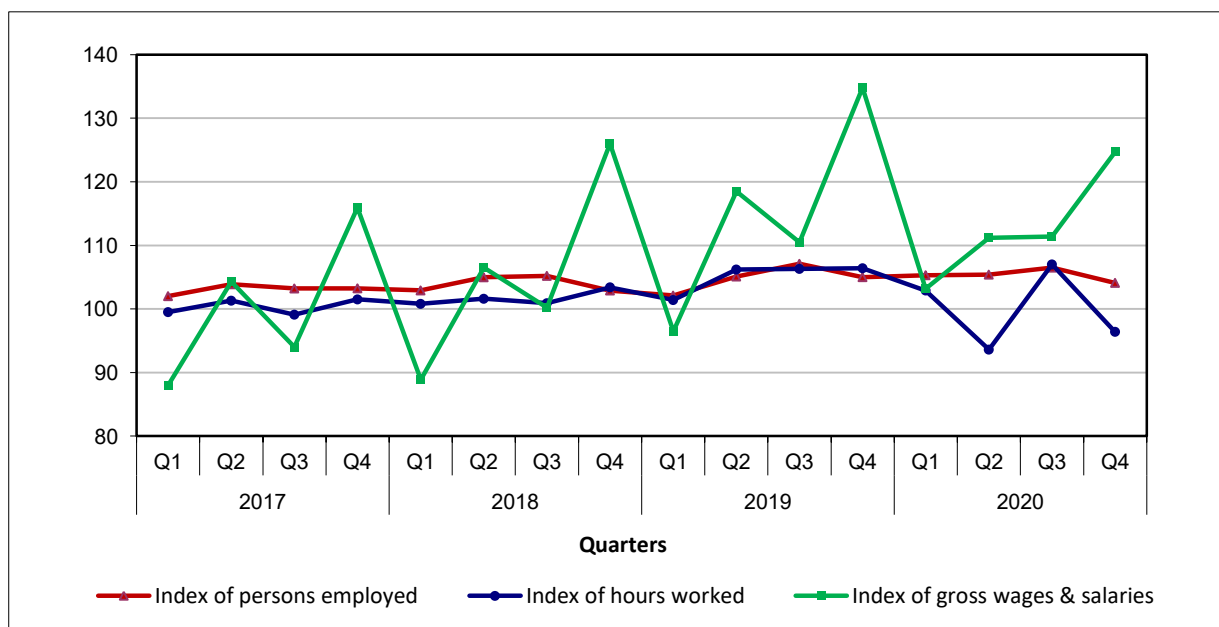
## PRESS RELEASE

### INDEX OF PERSONS EMPLOYED IN RETAIL TRADE: 4<sup>th</sup> quarter 2020, y-o-y decrease 0.9%

The Hellenic Statistical Authority announces the indices of persons employed, as well as the indices of hours worked and gross wages and salaries in retail trade, with base year 2015=100.0, the evolution of which according to provisional data for the 4<sup>th</sup> quarter 2020, is as follows:

- The overall index of persons employed in retail trade in the 4<sup>th</sup> quarter 2020, compared with the corresponding index of the 4<sup>th</sup> quarter 2019 decreased by 0.9%, while compared with the corresponding index of the 3<sup>rd</sup> quarter 2020 decreased by 2.3% (Tables 1, 2).
- The index of hours worked in retail trade in the 4<sup>th</sup> quarter 2020, compared with the corresponding index of the 4<sup>th</sup> quarter 2019 decreased by 9.4%, while compared with the corresponding index of the 3<sup>rd</sup> quarter 2020 decreased by 9.9% (Table 3).
- The index of gross wages and salaries in retail trade in the 4<sup>th</sup> quarter 2020, compared with the corresponding index of the 4<sup>th</sup> quarter 2019 decreased by 7.5%, while compared with the corresponding index of the 3<sup>rd</sup> quarter 2020 increased by 11.9% (Table 4).

**Graph 1.** Evolution of indices of persons employed, hours worked, gross wages and salaries in retail trade,  
Base year: 2015=100.0



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**Table 1.** Annual rates of change of the indices of persons employed in retail trade

Base year: 2015=100.0

Year/Quarter		Overall Index		Overall Index excluding the automotive fuel sector		Index in the food sector		Overall Index excluding the food and automotive fuel sector	
		Index	Rates of change (%)	Index	Rates of change (%)	Index	Rates of change (%)	Index	Rates of change (%)
<b>2017:</b>	Q1	102.0	3.1	102.3	3.4	105.0	5.3	99.8	1.7
	Q2	103.9	3.5	104.5	3.9	107.3	5.1	101.8	2.7
	Q3	103.2	2.2	103.7	2.4	105.9	1.7	101.7	3.0
	Q4	103.2	0.7	103.7	1.0	105.6	-0.1	102.0	2.1
<b>Annual average</b>		<b>103.1</b>	<b>2.4</b>	<b>103.6</b>	<b>2.7</b>	<b>106.0</b>	<b>3.0</b>	<b>101.3</b>	<b>2.4</b>
<b>2018:</b>	Q1	102.9	0.9	103.3	0.9	105.5	0.5	101.2	1.4
	Q2	105.0	1.1	105.5	0.9	108.9	1.4	102.1	0.3
	Q3	105.2	1.9	106.0	2.2	109.4	3.3	102.7	1.0
	Q4	102.9	-0.3	103.4	-0.3	105.7	0.1	101.3	-0.7
<b>Annual average</b>		<b>104.0</b>	<b>0.9</b>	<b>104.5</b>	<b>0.9</b>	<b>107.4</b>	<b>1.3</b>	<b>101.8</b>	<b>0.5</b>
<b>2019:</b>	Q1	102.1	-0.8	102.7	-0.6	105.8	0.3	99.7	-1.5
	Q2	105.1	0.1	105.9	0.4	108.4	-0.5	103.5	1.4
	Q3	107.1	1.8	107.8	1.7	111.3	1.7	104.4	1.7
	Q4	105.0	2.0	105.4	1.9	107.7	1.9	103.2	1.9
<b>Annual average</b>		<b>104.8</b>	<b>0.8</b>	<b>105.5</b>	<b>1.0</b>	<b>108.3</b>	<b>0.8</b>	<b>102.7</b>	<b>0.9</b>
<b>2020:</b>	Q1	105.3	3.1	105.9	3.1	110.1	4.1	101.5	1.8
	Q2	105.4	0.3	105.9	0.0	110.9	2.3	100.8	-2.6
	Q3 <sup>(1)</sup>	106.5	-0.6	106.9	-0.8	112.2	0.8	101.4	-2.9
	Q4 <sup>(2)</sup>	104.1	-0.9	104.5	-0.9	113.3	5.2	95.1	-7.8
<b>Annual average<sup>(2)</sup></b>		<b>105.3</b>	<b>0.5</b>	<b>105.8</b>	<b>0.3</b>	<b>111.6</b>	<b>3.0</b>	<b>99.7</b>	<b>-2.9</b>

<sup>(1)</sup> Revised data<sup>(2)</sup> Provisional data

Note: The indices and the percentage changes are published rounded up to one decimal digit.

**Table 2.** Quarterly rates of change of the indices of persons employed in retail trade

Base year: 2015=100.0

Year/Quarter		Overall Index		Overall Index excluding the automotive fuel sector		Index in the food sector		Overall Index excluding the food and automotive fuel sector	
		Index	Rates of change (%)	Index	Rates of change (%)	Index	Rates of change (%)	Index	Rates of change (%)
<b>2017:</b>	Q1	102.0	-0.5	102.3	-0.4	105.0	-0.7	99.8	0.0
	Q2	103.9	1.8	104.5	2.1	107.3	2.2	101.8	2.0
	Q3	103.2	-0.6	103.7	-0.7	105.9	-1.4	101.7	-0.1
	Q4	103.2	0.0	103.7	0.0	105.6	-0.2	102.0	0.3
<b>Annual average</b>		<b>103.1</b>		<b>103.6</b>		<b>106.0</b>		<b>101.3</b>	
<b>2018:</b>	Q1	102.9	-0.3	103.3	-0.4	105.5	-0.1	101.2	-0.7
	Q2	105.0	2.0	105.5	2.1	108.9	3.2	102.1	0.9
	Q3	105.2	0.2	106.0	0.5	109.4	0.5	102.7	0.6
	Q4	102.9	-2.2	103.4	-2.5	105.7	-3.4	101.3	-1.4
<b>Annual average</b>		<b>104.0</b>		<b>104.5</b>		<b>107.4</b>		<b>101.8</b>	
<b>2019:</b>	Q1	102.1	-0.8	102.7	-0.7	105.8	0.1	99.7	-1.6
	Q2	105.1	2.9	105.9	3.1	108.4	2.5	103.5	3.8
	Q3	107.1	1.9	107.8	1.8	111.3	2.7	104.4	0.9
	Q4	105.0	-2.0	105.4	-2.2	107.7	-3.2	103.2	-1.1
<b>Annual average</b>		<b>104.8</b>		<b>105.5</b>		<b>108.3</b>		<b>102.7</b>	
<b>2020:</b>	Q1	105.3	0.3	105.9	0.5	110.1	2.2	101.5	-1.6
	Q2	105.4	0.1	105.9	0.0	110.9	0.7	100.8	-0.7
	Q3 <sup>(1)</sup>	106.5	1.0	106.9	0.9	112.2	1.2	101.4	0.6
	Q4 <sup>(2)</sup>	104.1	-2.3	104.5	-2.2	113.3	1.0	95.1	-6.2
<b>Annual average<sup>(2)</sup></b>		<b>105.3</b>		<b>105.8</b>		<b>111.6</b>		<b>99.7</b>	

<sup>(1)</sup> Revised data

<sup>(2)</sup> Provisional data

Note: The indices and the percentage changes are published rounded up to one decimal digit.

**Table 3.** Index of hours worked in retail trade

Base year: 2015=100.0

Year / Quarter		Index	Annual rates of change (%)	Quarterly rates of change (%)	Index reduced to typical quarter of equal duration	Annual rates of change (%)	Quarterly rates of change (%)
<b>2017:</b>	Q1	99.5	1.1	-1.3	104.2	0.5	6.1
	Q2	101.3	0.4	1.7	100.6	1.1	-3.5
	Q3	99.1	0.1	-2.1	97.2	-0.5	-3.4
	Q4	101.5	0.7	2.4	99.5	1.3	2.4
	<b>Annual average</b>	<b>100.4</b>	<b>0.6</b>		<b>100.4</b>	<b>0.6</b>	
<b>2018:</b>	Q1	100.8	1.3	-0.6	104.8	0.6	5.3
	Q2	101.6	0.4	0.8	101.6	1.0	-3.1
	Q3	100.9	1.8	-0.7	100.8	3.7	-0.8
	Q4	103.4	1.9	2.5	99.5	0.0	-1.3
	<b>Annual average</b>	<b>101.7</b>	<b>1.3</b>		<b>101.7</b>	<b>1.3</b>	
<b>2019:</b>	Q1	101.4	0.6	-1.9	105.4	0.6	5.9
	Q2	106.2	4.5	4.7	106.2	4.5	0.8
	Q3	106.3	5.4	0.1	104.9	4.1	-1.2
	Q4	106.4	2.9	0.1	103.7	4.2	-1.1
	<b>Annual average</b>	<b>105.1</b>	<b>3.3</b>		<b>105.0</b>	<b>3.2</b>	
<b>2020:</b>	Q1	102.9	1.5	-3.3	108.1	2.6	4.2
	Q2	93.6	-11.9	-9.0	93.3	-12.1	-13.7
	Q3 <sup>(1)</sup>	107.0	0.7	14.3	105.3	0.4	12.9
	Q4 <sup>(2)</sup>	96.4	-9.4	-9.9	93.7	-9.6	-11.0
	<b>Annual average<sup>(2)</sup></b>	<b>100.0</b>	<b>-4.9</b>		<b>100.1</b>	<b>-4.7</b>	

<sup>(1)</sup> Revised data<sup>(2)</sup> Provisional data

Note: The indices and the percentage changes are published rounded up to one decimal digit.

**Table 4.** Index of gross wages and salaries in retail trade

Base year: 2015=100.0

Year / Quarter		Index	Annual rates of change (%)	Quarterly rates of change (%)
<b>2017:</b>	Q1	88.0	0.1	-22.6
	Q2	104.3	0.8	18.5
	Q3	94.0	-1.8	-9.9
	Q4	115.9	2.0	23.4
	<b>Annual average</b>	<b>100.6</b>	<b>0.4</b>	
<b>2018:</b>	Q1	88.9	1.0	-23.3
	Q2	106.5	2.1	19.8
	Q3	100.2	6.6	-5.9
	Q4	126.0	8.7	25.7
	<b>Annual average</b>	<b>105.4</b>	<b>4.8</b>	
<b>2019:</b>	Q1	96.5	8.5	-23.4
	Q2	118.5	11.3	22.8
	Q3	110.5	10.3	-6.8
	Q4	134.8	7.0	22.0
	<b>Annual average</b>	<b>115.1</b>	<b>9.2</b>	
<b>2020:</b>	Q1	103.2	6.9	-23.4
	Q2	111.2	-6.2	7.8
	Q3 <sup>(1)</sup>	111.4	0.8	0.2
	Q4 <sup>(2)</sup>	124.7	-7.5	11.9
	<b>Annual average<sup>(2)</sup></b>	<b>112.6</b>	<b>-2.2</b>	

<sup>(1)</sup> Revised data<sup>(2)</sup> Provisional data

Note: The indices and the percentage changes are published rounded up to one decimal digit.

## METHODOLOGICAL NOTES

<b>Generally</b>	The index of persons employed in retail trade is a quarterly index that was first compiled in 2004 with base year (b.y.) 2000=100.0, while the indices of hours worked, gross wages and salaries are quarterly indices that were first compiled in March 2016 with base year 2010=100.0.
<b>Purpose of the index - definitions</b>	<p>The purpose of the persons employed index is to show the development of employment in retail trade. The compilation of the index includes the number of persons employed in the enterprise irrespectively of their status (owners, partners and their family members) and the nature of their work (managers, sales persons and auxiliary staff) and irrespectively of whether they work on a provisional or seasonal basis, full time or part time, with or without remuneration.</p> <p>The purpose of the hours worked index is to show the development in the volume of work done in retail trade from the total of persons employed (employers, own-account workers, salaried employees, unpaid family workers). The total number of hours worked represents the aggregate number of hours actually worked for the output of the enterprise during the reference period (quarter). It includes hours actually worked during regular working hours; hours worked overtime, whether paid or unpaid; hours worked during nights, Sundays or public holidays. It also includes the time which is spent at the place of work on tasks such as preparing the site and time corresponding to short periods of rest at the work place. Hours paid but not actually worked, such as for annual leave, holidays and sickness leave, are excluded.</p> <p>The purpose of the wages and salaries index is to depict the development of the gross wages and salaries bill. Wages and salaries are defined as the total remuneration, in cash or in kind, payable to all persons counted on the payroll (including home workers), in return for work done during the accounting period, regardless of whether it is paid based on working time, output or piecework and whether it is paid regularly.</p>
<b>Reference period</b>	Quarter.
<b>Base year</b>	2015=100.0.
<b>Revision</b>	Pursuant to the provisions of the Council Regulation No 1165/98 concerning "Short Term Statistics", the index is revised every five (5) years in years ending in 0 or 5.
<b>Statistical classification</b>	The NACE Rev.2 statistical classification of economic activities is used, in conformity with Regulation (EC) No 1893/2006 of the European Parliament and of the Council.
<b>Geographical coverage</b>	Greece, total.
<b>Coverage of economic activities</b>	The indices cover the economic activities with four-digit code (classes) from 4711 to 4799 of NACE Rev.2 statistical classification.
<b>Statistical survey</b>	For the compilation of persons employed, hours worked, gross wages and salaries in retail trade indices, 38,444 retail trade enterprises are included, listed in the Business Register of ELSTAT. These enterprises had an annual turnover (in year 2015) equal to or higher than 140,000 euro, from which,; a random representative sample of 575 enterprises was therefore selected and surveyed.
<b>Data collection, processing and imputation in the context of the COVID-19 pandemic</b>	The compilation of the indices of the 4 <sup>th</sup> quarter 2020 was based on data collected by enterprises and the use of an estimation method for the calculation of the missing data. Estimations on missing data were used at enterprise level, at group and stratum level (class), based on collected data by enterprises in the corresponding groups and classes. In the revised results of 3 <sup>rd</sup> quarter 2020, published in the current Press Release, newly collected data by enterprises have been incorporated.
<b>Calculating the indices</b>	<p>The indices of persons employed, hours worked, wages and salaries in retail trade are calculated as moving base. Firstly, the moving base index is calculated by comparing the estimated value (number of persons employed, hours worked, wages and salaries) for the current quarter with the corresponding value of the previous quarter. Afterwards, the fixed base index for the current quarter is calculated by multiplying the moving base index by the fixed base index of the previous quarter.</p> <p>The hours worked index is reduced to a typical quarter of equal duration. To this end the hours worked estimates are multiplied by a suitable correction factor calculated by dividing the average quarterly number of working days in the given year by the number of the regular working days in the quarter under consideration.</p>
<b>Compiled index series</b>	Concerning the persons employed index, from the 1 <sup>st</sup> quarter 2000 onwards, four time series are compiled as follows: 1) Overall Index, 2) Overall Index (excluding the persons employed in the automotive fuel sector), 3) Index of persons employed in the food sector and 4) Overall Index of persons employed in the

non-food sector except automotive fuel.

Concerning, the time series of the hours worked, wages and salaries indices are compiled from 1<sup>st</sup> quarter 2010 onwards.

**Publication of data** The time series of the Index of persons employed in retail trade (2015=100.0) have being published since December 2018 (3<sup>rd</sup> quarter 2018), with revised data since 1<sup>st</sup> quarter 2000. The time series of the hours worked, and wages and salaries indices (2015=100.0) have been published since December 2018 (3<sup>rd</sup> quarter 2018), with retrospective data since 1<sup>st</sup> quarter 2010.

**References** More information on the methodology concerning the compilation and calculation of the index and for the time series is available on the ELSTAT website:

<http://www.statistics.gr/en/statistics/-/publication/DKT12/>