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# BULLETIN

LABOUR FORCE SURVEY IN THE  
REPUBLIC OF SERBIA, 2017

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# **LABOUR FORCE SURVEY IN THE REPUBLIC OF SERBIA, 2017**

Belgrade, 2018

Bulletin – LABOUR FORCE SURVEY IN THE REPUBLIC OF SERBIA, 2017

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## PREFACE

The Statistical Office of the Republic of Serbia communicates the results of the Labour Force Survey 2017.

Starting from 2015 it has been implemented as a continuous survey in the territory of the Republic of Serbia. In determining the main contingents of labour force we have applied the international recommendations and definitions and therefore the data provided by this survey present the main source of labour force statistics that are internationally comparable by their contents and regarding the applied methodology.

The data of this survey are envisaged for a wide circle of domestic users and are also forwarded to a number of international organizations (Eurostat, ILO, the World Bank, IMF, OECD, UNICEF, UNESCO, etc.).

The bulletin consists of several parts. Part one contains the labour market basic indicators analysis from 2017. In part two basic indicators of the population aged 15 and over (rates and absolute values) are offered. In part three basic indicators for the employed population aged 15 and over are presented. Part four contains basic indicators of unemployed population, while part five offers indicators regarding inactive and potentially active population. The bulletin end contains methodological explanations and a sample plan.

Belgrade, 2018

Director  
Dr Miladin Kovačević



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## Annual result analysis of the Labour Force Survey in 2017

This text represents the analysis of key labour market indicators, based on data from the Labour Force Survey, this data refers to the Republic of Serbia<sup>1</sup> in 2017.

In 2017 the employment in the Republic of Serbia increased by 75 300 persons (+2.8%), which is half of the growth recorded in 2016 (by 145 200 or +5.6%).

The decreasing trend in unemployment rate (which began in 2013) has continued in 2017. The unemployment rate was 13.5%, which relative to 2016, represents a 1.8 drop in percentage points (p. p.).

The employment growth and decrease in unemployment during 2017 were accompanied by a slight decrease in inactivity. The inactivity rate was 46.0% and less than the previous (2016) year by 0.7 p. p.

### Despite the population decline in the age category 25–64 years, the employment has the fastest growth rate in this category

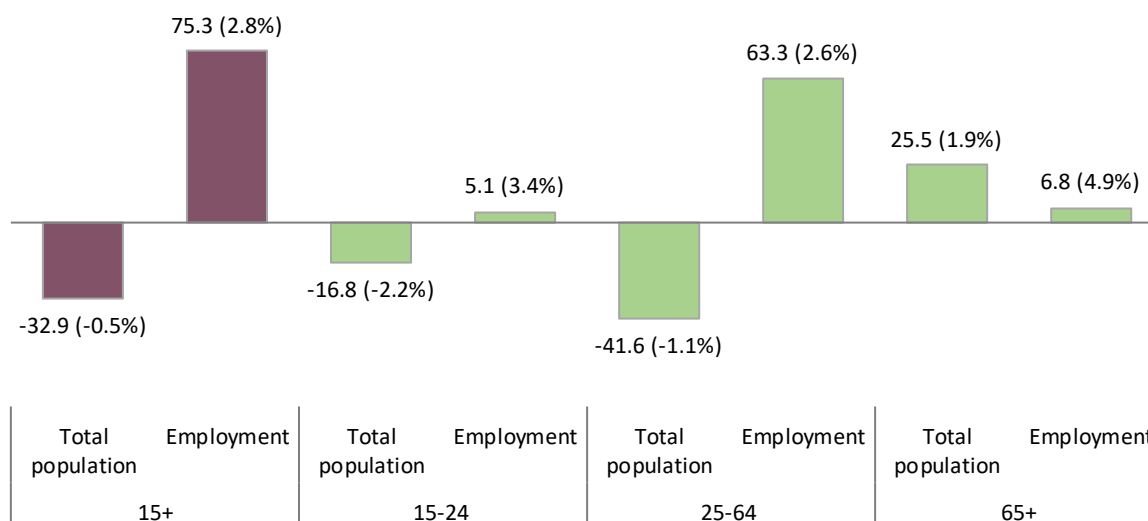
The main part of employment growth in relation to 2016 was recorded in the age category 25–64 years. During 2017 this category records a decline in total population by 41 600 persons. Nevertheless, the number of employed persons increased by 63 200 (or 2.6%), so that the employment rate was 64.3%.

The increase in the number of employed persons has occurred in both sexes, given that more significant growth was recorded in female population (by 37 500 persons) than in male population (by 25 700 persons).

By doing a comparison with the previous year, it can be concluded that for this age category in 2017 there has been a decrease in unemployment (by 47 700 persons) and inactivity (by 57 200 persons). These changes occurred due to employment growth and population decline. The unemployment has decreased more in male population, while the decrease in inactivity was significantly greater in female population (38 800) than in male population (18 500).

The population of the Republic of Serbia aged 15 and more declined in 2017 by 32 900 persons, while in the category of persons aged 65 and more there has been a population increase by 25 500. This increase reflected an increase in the number of inactive persons by 17 500 in this age group.

Changes of the total population and employment, by age groups, 2017 (in thous.)



<sup>1</sup> Since 1999, the Statistical Office of the Republic of Serbia does not have access to the data for AP Kosovo and Metohija, so that they are not included in the data coverage for the Republic of Serbia (total).



## **Decline in youth population and their unemployment**

The total youth population between 15 and 24 years has declined in 2017 by 16 800 persons (or 2.2%).

In this category there has been a slight employment growth (by 5 100 persons or 3.5%) that is evenly distributed in both sexes. The position of youth in the labour market is still unfavorable considering that they make up only 5.5% of total number of employed persons.

Population decline and employment growth in this age category have reflected the decrease in unemployment by 9.6% and inactivity by 2.7%. The youth unemployment rate has dropped by 3.0 p. p. and now amounts to 31.9%.

The NEET rate (refers to share of persons aged 15 to 24, neither employed, nor in education or training, in total population of that age) amounts to 17.2%. Half of the total number of youth who belong to this group are unemployed and other half inactive. In relation to 2016, NEET rate records a slight decrease of 0.5 p. p.

The number of young people aged 18-24 whose highest level of completed education is primary education or less and who did not attend any formal or non-formal education (early school leavers), amounts to 33 200. Their share in the population aged 18–24 constantly decreases, in 2014 their share amounted to 8.3%, and in 2017 6.2%.

## **More employees with permanent job and an increase in total employment with full-time working hours**

In 2017, 77.2% employees (who work for employer) had a contract of unlimited duration, while 22.8% of them had contracts of limited duration (this group includes persons performing occasional or seasonal work, as well as persons with temporary job).

During 2017 the number of employees with permanent job increased by 80 300 persons (or 5.7%), while the number of persons with work contract of limited duration remained almost unchanged.

Among the population aged 25–64, 79.7% of employees have permanent job. The biggest share of employees with permanent job is among the age category 55 and more, while that share is smallest among young people aged 15–24 (42.9%).

With the increase in the number of employees with permanent job, there has been an increase in the number of all employed persons with full-time employment (by 79 400 or 3.4%). Simultaneously, a slight drop in the number of persons working part-time (less than 36 hours weekly) by 4 100 or 1.2% was recorded.

## **Decrease in informal and increase in formal employment**

During 2017 there has been an increase in the number of formally employed persons by 95 200 (or 4.5%) and a decrease in the number of informally employed persons by 20 000 (3.3%).

The informal employment rate has decreased by 1.3 p. p. and amounts to 20.7%, respectively the number of informally employed persons amounts to 579 200. If a more strict definition of formal/informal employment is applied, which means that persons who do not exercise the right to health and pension insurance are informally employed, the number would be added another 192 300 persons, so that the number of informally employed would amount 771 500 and the informal employment rate 27.6%.

## Decrease in agricultural employment

In 2017 there has been an employment growth in most sectors of activity. The biggest growth was recorded in the sector of Manufacturing. More significant drop in the number of employed persons was recorded only in agricultural activities<sup>2</sup>, namely by 10 800 persons.

The decrease in agricultural activities is accompanied by the decline in the number of employed persons with occupations: Skilled agricultural, forestry and fishery workers (by 11 000). Considering occupations, the decline in the employment, besides Skilled agricultural, forestry and fishery workers, occurred only in Managers (by 10 600 persons). Occupations with highest recorded growth in the number of employed include Plant and machine operators, and assemblers (by 23 000) and Professionals (by 18 200).

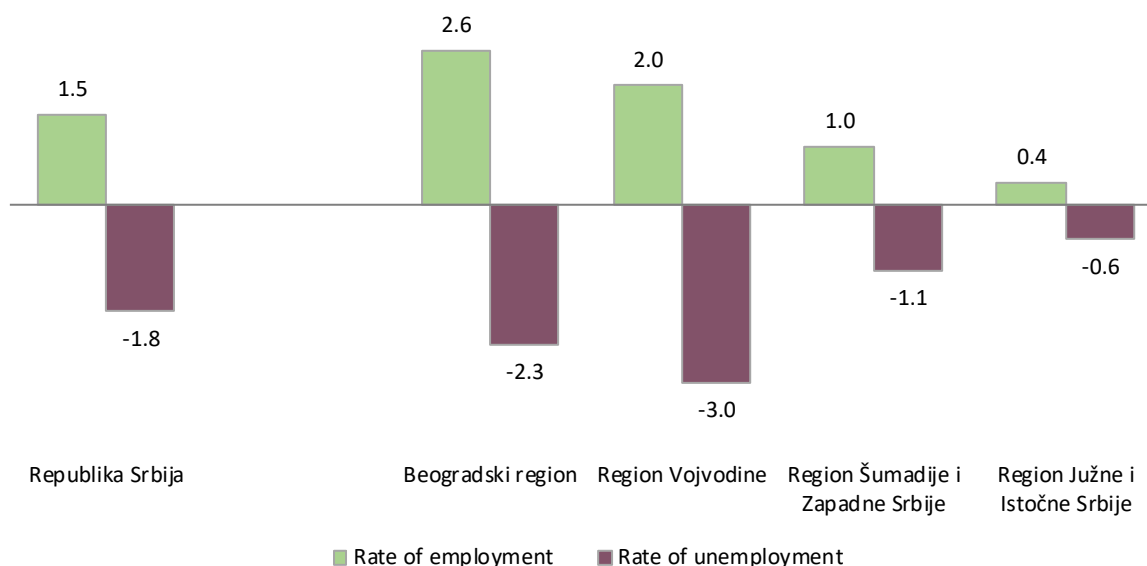
## In 2017, the best results in the labour market had Beogradski region

In relation to 2016, the employment rate growth and unemployment rate decline were recorded in all regions except the Region Južne i Istočne Srbije, where these rates remained almost unchanged.

In 2017, the Beogradski region had the best results in the labour market. This confirms the highest growth in employment rate and activity rate (by 2.5 p. p. and 1.5 p. p. respectively), as well as the highest decline in the inactivity rate (by 1.5 p. p.). Due to these changes, the Beogradski region has the highest employment rate (48.3%), unlike previous years (since 2014), when that rate was highest in the Region Šumadija i Zapadna Srbija. Good results of the Beogradski region in the labour market are affected by somewhat more favorable demographic picture in relation to other regions (only in the Beogradski region there was no decline in total population).

In the same period, the highest decline in unemployment rate was recorded in the Region Vojvodine by 3.0 p. p., where that rate is lowest and amounts to 12.2%. The unemployment rate is highest in the Region Južne i Istočne Srbije (15.2%) and exceeds the republic average by 1.7 p. p., while in the Beogradski region and the Region Šumadije i Zapadne Srbije it is on the level of republic average (13.3% and 13.6%, respectively).

Changes in employment and unemployment rates by regions, 2017 (in p. p.)



<sup>2</sup> Agricultural activities comprises the whole section of Agriculture, Forestry and Fishery, as well as a part of the section Activities of households as employers referring to agriculture.

## Conclusion

Altogether, the increase in employment during 2017 refers to the full-time employment, employment in formal sector and permanent employment.

Although there is a decline in total population for the age category from 25 to 64 years, the most significant employment growth was recorded right in this category.

In youth (15–24 years) there has been a decline in total population, accompanied by the drop in unemployment and inactivity rates, and a slight increase in employment.

The fastest employment growth was recorded in the Beogradski region.

The total unemployment was decreased in relation to the previous year, and the highest decrease was recorded in the Region Vojvodine.



# Population aged 15 and over



### 1.1. Basic labour force contingents by age group, 2017/2016

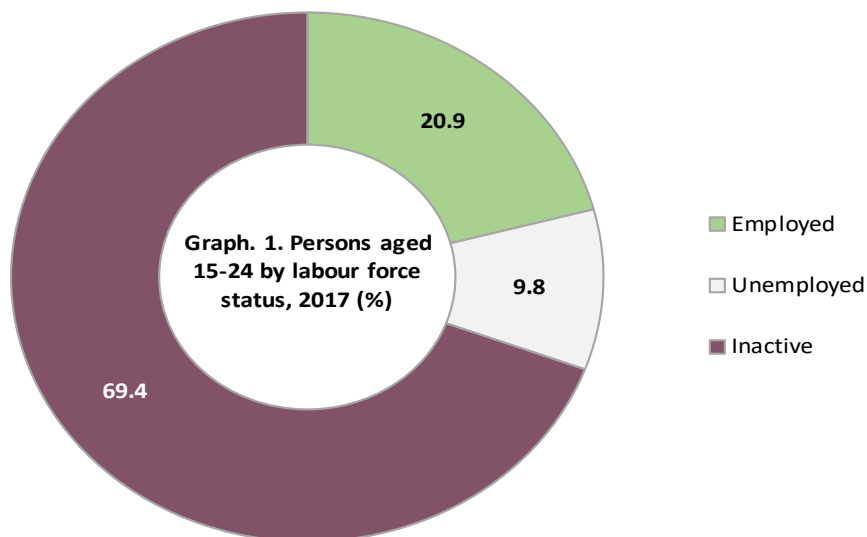
	2017	2016	Changes in relation to the previous year	
	(in thous.)	(in thous.)	(in thous.)	%
<b>Population aged 15 and over</b>	<b>5984,7</b>	<b>6017,6</b>	<b>-32,9</b>	<b>-0,5</b>
Active	3229,8	3208,8	21,0	0,7
Employed	2794,7	2719,4	75,3	2,8
Unemployed	435,2	489,4	-54,2	-11,1
Inactive	2754,9	2808,8	-53,9	-1,9
<b>Young-age population (15–24)</b>	<b>740,0</b>	<b>756,9</b>	<b>-16,9</b>	<b>-2,2</b>
Active	226,7	229,3	-2,6	-1,1
Employed	154,4	149,3	5,1	3,4
Unemployed	72,3	80,0	-7,7	-9,6
Inactive	513,3	527,6	-14,3	-2,7
<b>Working-age population (15–64)</b>	<b>4618,5</b>	<b>4676,9</b>	<b>-58,4</b>	<b>-1,2</b>
Active	3080,8	3067,8	13,0	0,4
Employed	2647,9	2579,5	68,4	2,7
Unemployed	432,9	488,3	-55,4	-11,3
Inactive	1537,7	1609,1	-71,4	-4,4

### 1.2. Rates of activity, employment, unemployment and inactivity by age group, 2017/2016

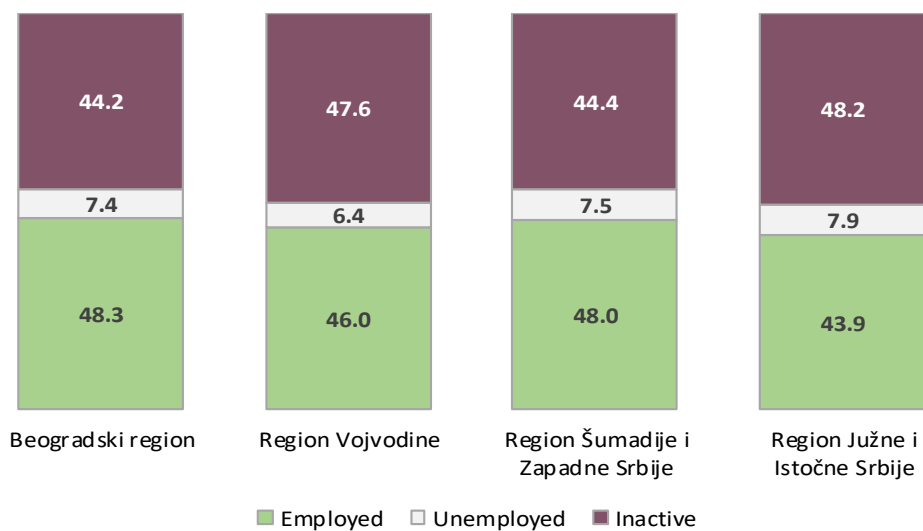
	2017	2016	Changes in relation to the previous year
	%	%	in percentages, points
<b>Population aged 15 and over</b>			
Rate of activity	54,0	53,3	0,7
Rate of employment	46,7	45,2	1,5
Rate of unemployment	13,5	15,3	-1,8
Rate of inactivity	46,0	46,7	-0,7
<b>Young-age population (15–24)</b>			
Rate of activity	30,6	30,3	0,3
Rate of employment	20,9	19,7	1,2
Rate of unemployment	31,9	34,9	-3,0
Rate of inactivity	69,4	69,7	-0,3
<b>Working-age population (15–64)</b>			
Rate of activity	66,7	65,6	1,1
Rate of employment	57,3	55,2	2,1
Rate of unemployment	14,1	15,9	-1,8
Rate of inactivity	33,3	34,4	-1,1

### 1.3. Population by labour force status, age group, region and type of settlement, 2017

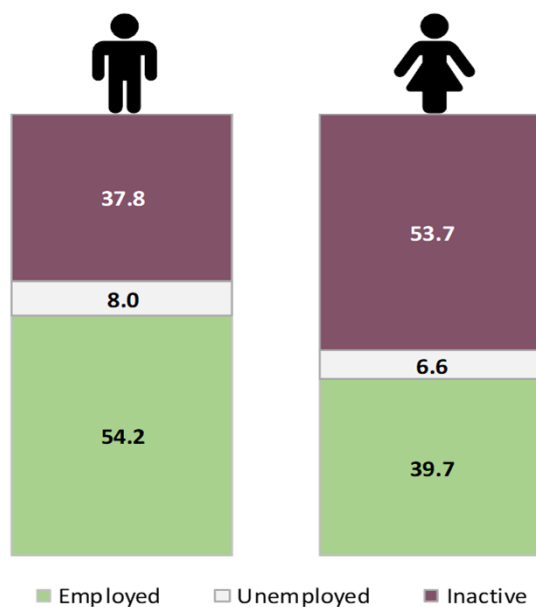
	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Population aged 15 and over (in thous.)</b>	<b>5984.7</b>	<b>1435.4</b>	<b>1602.6</b>	<b>1664.7</b>	<b>1282.0</b>	...	<b>3558.1</b>	<b>2426.6</b>
Active	3229.8	800.7	839.9	925.4	663.8	...	1877.9	1352.0
Employed	2794.7	694.0	737.8	799.8	563.0	...	1595.9	1198.8
Unemployed	435.2	106.7	102.1	125.5	100.8	...	282.0	153.1
Inactive	2754.9	634.8	762.6	739.3	618.2	...	1680.3	1074.6
Rate of activity (%)	54.0	55.8	52.4	55.6	51.8	...	52.8	55.7
Rate of employment (%)	46.7	48.3	46.0	48.0	43.9	...	44.9	49.4
Rate of unemployment (%)	13.5	13.3	12.2	13.6	15.2	...	15.0	11.3
Rate of inactivity (%)	46.0	44.2	47.6	44.4	48.2	...	47.2	44.3
<b>Young-age population (15–24) (in thous.)</b>	<b>740.0</b>	<b>162.8</b>	<b>200.6</b>	<b>213.5</b>	<b>163.2</b>	...	<b>435.5</b>	<b>304.5</b>
Active	226.7	46.9	67.5	63.6	48.8	...	115.9	110.9
Employed	154.4	31.8	47.2	43.2	32.1	...	77.5	76.9
Unemployed	72.3	15.0	20.3	20.4	16.6	...	38.3	34.0
Inactive	513.3	115.9	133.2	149.8	114.4	...	319.6	193.7
Rate of activity (%)	30.6	28.8	33.6	29.8	29.9	...	26.6	36.4
Rate of employment (%)	20.9	19.5	23.5	20.2	19.7	...	17.8	25.3
Rate of unemployment (%)	31.9	32.0	30.1	32.1	34.0	...	33.0	30.7
Rate of inactivity (%)	69.4	71.2	66.4	70.2	70.1	...	73.4	63.6
<b>Working-age population (in thous.) (15–64)</b>	<b>4618.5</b>	<b>1121.9</b>	<b>1253.8</b>	<b>1279.4</b>	<b>963.4</b>	...	<b>2780.2</b>	<b>1838.3</b>
<b>Persons aged 15-24 by labour force status</b>	<b>3080.8</b>	<b>781.7</b>	<b>818.9</b>	<b>857.3</b>	<b>622.9</b>	...	<b>1843.1</b>	<b>1237.7</b>
Employed	2647.9	676.4	717.1	732.3	522.1	...	1562.8	1085.1
Unemployed	432.9	105.3	101.8	125.0	100.8	...	280.4	152.6
Inactive	1537.7	340.1	434.9	422.1	340.5	...	937.0	600.6
Rate of activity (%)	66.7	69.7	65.3	67.0	64.7	...	66.3	67.3
Rate of employment (%)	57.3	60.3	57.2	57.2	54.2	...	56.2	59.0
Rate of unemployment (%)	14.1	13.5	12.4	14.6	16.2	...	15.2	12.3
Rate of inactivity (%)	33.3	30.3	34.7	33.0	35.3	...	33.7	32.7



**Graph. 2. Structure of employment, unemployment and inactivity by regions, 2017 (%)**



**Graph. 3. Structure of employment, unemployment and inactivity by sex, 2017 (%)**





#### 1.4. Males by labour force status, age group, region and types of settlement, 2017

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Aged 15 and over</b>								
<b>(in thous.)</b>	<b>2886.4</b>	<b>667.3</b>	<b>773.7</b>	<b>814.5</b>	<b>630.9</b>	...	<b>1675.1</b>	<b>1211.3</b>
Active	1795.6	412.0	476.7	526.7	380.2	...	998.8	796.8
Employed	1565.1	355.8	421.6	461.0	326.7	...	849.1	716.0
Unemployed	230.5	56.2	55.1	65.7	53.5	...	149.6	80.8
Inactive	1090.8	255.3	297.0	287.8	250.7	...	676.4	414.5
Rate of activity (%)	62.2	61.7	61.6	64.7	60.3	...	59.6	65.8
Rate of employment (%)	54.2	53.3	54.5	56.6	51.8	...	50.7	59.1
Rate of unemployment (%)	12.8	13.6	11.6	12.5	14.1	...	15.0	10.1
Rate of inactivity (%)	37.8	38.3	38.4	35.3	39.7	...	40.4	34.2
<b>Young age (15–24)</b>								
<b>(in thous.)</b>	<b>380.9</b>	<b>82.9</b>	<b>103.5</b>	<b>109.7</b>	<b>84.7</b>	...	<b>225.3</b>	<b>155.6</b>
Active	140.3	26.8	40.4	40.5	32.6	...	69.6	70.7
Employed	99.4	18.2	29.4	28.9	22.8	...	46.9	52.5
Unemployed	40.9	8.6	11.0	11.5	9.8	...	22.7	18.2
Inactive	240.6	56.1	63.1	69.3	52.1	...	155.7	84.9
Rate of activity (%)	36.8	32.3	39.0	36.9	38.5	...	30.9	45.4
Rate of employment (%)	26.1	22.0	28.4	26.3	26.9	...	20.8	33.7
Rate of unemployment (%)	29.2	32.1	27.2	28.4	30.1	...	32.6	25.7
Rate of inactivity (%)	63.2	67.7	61.0	63.2	61.5	...	69.1	54.6
<b>Working age (15–64)</b>								
<b>(in thous.)</b>	<b>2304.3</b>	<b>538.8</b>	<b>630.6</b>	<b>644.6</b>	<b>490.3</b>	...	<b>1355.2</b>	<b>949.1</b>
Active	1700.7	400.7	462.1	483.9	354.0	...	975.9	724.8
Employed	1471.6	345.3	407.2	418.4	300.6	...	827.2	644.4
Unemployed	229.1	55.3	54.8	65.5	53.4	...	148.7	80.5
Inactive	603.6	138.1	168.5	160.7	136.3	...	379.3	224.3
Rate of activity (%)	73.8	74.4	73.3	75.1	72.2	...	72.0	76.4
Rate of employment (%)	63.9	64.1	64.6	64.9	61.3	...	61.0	67.9
Rate of unemployment (%)	13.5	13.8	11.9	13.5	15.1	...	15.2	11.1
Rate of inactivity (%)	26.2	25.6	26.7	24.9	27.8	...	28.0	23.6

## 1.5. Female population by labour force status, age group, region and type of settlement, 2017

	Republic of Serbia							
	Srbija – sever			Srbija – jug			Type of settlement	
	Total	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Aged 15 and over</b>								
<b>(in thous.)</b>	<b>3098.3</b>	<b>768.1</b>	<b>828.9</b>	<b>850.2</b>	<b>651.1</b>	...	<b>1883.0</b>	<b>1215.3</b>
Active	1434.2	388.7	363.3	398.6	283.7	...	879.1	555.1
Employed	1229.5	338.2	316.2	338.8	236.3	...	746.7	482.8
Unemployed	204.7	50.5	47.0	59.8	47.4	...	132.4	72.3
Inactive	1664.1	379.4	465.6	451.5	367.5	...	1003.9	660.2
Rate of activity (%)	46.3	50.6	43.8	46.9	43.6	...	46.7	45.7
Rate of employment (%)	39.7	44.0	38.2	39.9	36.3	...	39.7	39.7
Rate of unemployment (%)	14.3	13.0	12.9	15.0	16.7	...	15.1	13.0
Rate of inactivity (%)	53.7	49.4	56.2	53.1	56.4	...	53.3	54.3
<b>Young age (15–24)</b>								
<b>(in thous.)</b>	<b>359.1</b>	<b>79.9</b>	<b>97.1</b>	<b>103.7</b>	<b>78.4</b>	...	<b>210.2</b>	<b>149.0</b>
Active	86.4	20.1	27.0	23.2	16.2	...	46.3	40.2
Employed	55.0	13.6	17.8	14.3	9.3	...	30.7	24.4
Unemployed	31.4	6.5	9.3	8.9	6.8	...	15.6	15.8
Inactive	272.7	59.8	70.1	80.6	62.3	...	163.9	108.8
Rate of activity (%)	24.1	25.2	27.8	22.3	20.6	...	22.0	27.0
Rate of employment (%)	15.3	17.1	18.3	13.8	11.9	...	14.6	16.4
Rate of unemployment (%)	36.3	32.2	34.3	38.2	42.2	...	33.8	39.3
Rate of inactivity (%)	75.9	74.8	72.2	77.7	79.4	...	78.0	73.0
<b>Working age (15–64)</b>								
<b>(in thous.)</b>	<b>2314.2</b>	<b>583.1</b>	<b>623.3</b>	<b>634.8</b>	<b>473.1</b>	...	<b>1425.0</b>	<b>889.2</b>
Active	1380.2	381.1	356.9	373.3	268.9	...	867.3	512.9
Employed	1176.3	331.1	309.9	313.9	221.5	...	735.6	440.8
Unemployed	203.8	50.0	47.0	59.5	47.4	...	131.7	72.1
Inactive	934.1	202.0	266.4	261.4	204.2	...	557.8	376.3
Rate of activity (%)	59.6	65.4	57.3	58.8	56.8	...	60.9	57.7
Rate of employment (%)	50.8	56.8	49.7	49.4	46.8	...	51.6	49.6
Rate of unemployment (%)	14.8	13.1	13.2	15.9	17.6	...	15.2	14.1
Rate of inactivity (%)	40.4	34.6	42.7	41.2	43.2	...	39.1	42.3

## 1.6. Population by age group, sex and labour force status, 2017 (in thous.)

	Total	Active	Employed	Unemployed	Inactive
<b>Total</b>	<b>5984.7</b>	<b>3229.8</b>	<b>2794.7</b>	<b>435.2</b>	<b>2754.9</b>
15–19 years	339.6	35.5	19.0	16.5	304.1
20–24	400.5	191.2	135.4	55.8	209.2
25–29	432.3	331.0	254.5	76.5	101.3
30–34	480.7	408.1	344.6	63.5	72.7
35–39	495.3	428.7	373.6	55.0	66.6
40–44	490.2	423.5	375.7	47.8	66.8
45–49	463.4	385.9	345.9	40.1	77.5
50–54	467.2	357.8	322.0	35.8	109.4
55–59	487.0	309.2	280.1	29.1	177.8
60–64	562.3	209.9	197.2	12.7	352.4
65–69	497.8	82.7	80.6	2.1	415.1
70–74	281.6	33.5	33.3	/	248.2
75 +	586.7	32.8	32.8	-	553.9
<b>Male</b>	<b>2886.4</b>	<b>1795.6</b>	<b>1565.1</b>	<b>230.5</b>	<b>1090.8</b>
15–19 years	174.7	22.3	12.9	9.4	152.4
20–24	206.2	118.0	86.5	31.5	88.2
25–29	221.2	182.4	143.3	39.1	38.8
30–34	244.7	221.8	188.5	33.3	22.9
35–39	251.7	230.6	204.3	26.3	21.1
40–44	246.5	222.9	199.5	23.3	23.6
45–49	230.0	204.3	184.4	19.9	25.7
50–54	228.1	190.5	172.2	18.3	37.7
55–59	234.4	173.1	155.5	17.6	61.3
60–64	266.7	134.8	124.4	10.4	131.9
65–69	227.9	51.5	50.2	1.3	176.4
70–74	122.3	21.4	21.3	/	100.9
75 +	231.9	22.0	22.0	-	209.9
<b>Female</b>	<b>3098.3</b>	<b>1434.2</b>	<b>1229.5</b>	<b>204.7</b>	<b>1664.1</b>
15–19 years	164.9	13.2	6.1	7.1	151.7
20–24	194.3	73.3	48.9	24.3	121.0
25–29	211.0	148.6	111.1	37.5	62.4
30–34	236.1	186.3	156.1	30.2	49.8
35–39	243.5	198.1	169.3	28.8	45.5
40–44	243.8	200.6	176.2	24.5	43.2
45–49	233.4	181.6	161.4	20.2	51.8
50–54	239.1	167.4	149.8	17.5	71.7
55–59	252.6	136.1	124.6	11.5	116.6
60–64	295.6	75.1	72.7	2.4	220.5
65–69	269.9	31.2	30.5	/	238.7
70–74	159.3	12.1	11.9	/	147.3
75 +	354.8	10.8	10.8	-	344.0

### 1.7. Population by education, sex and labour force status, 2017 (in thous.)

	Total	Active	Employed	Unemployed	Inactive
<b>Total</b>	<b>5984.7</b>	<b>3229.8</b>	<b>2794.7</b>	<b>435.2</b>	<b>2754.9</b>
No formal education	86.7	9.3	7.7	1.6	77.4
Low	1688.6	553.6	493.2	60.4	1135.0
Medium	3086.7	1859.2	1585.0	274.3	1227.5
High	1122.7	807.7	708.8	98.9	315.0
Early school leavers (18–24) <sup>1)</sup>	33.2	17.3	11.3	6.0	15.9
Persons aged 15 to 24, neither employed, nor in education or training (NEETs)	127.0	64.1	-	64.1	62.9
<b>Males</b>	<b>2886.4</b>	<b>1795.6</b>	<b>1565.1</b>	<b>230.5</b>	<b>1090.8</b>
No formal education	16.6	4.1	3.3	/	12.5
Low	692.4	306.8	273.1	33.8	385.6
Medium	1662.1	1116.0	960.8	155.2	546.1
High	515.3	368.6	328.0	40.7	146.6
Early school leavers (18–24) <sup>1)</sup>	17.4	11.7	8.4	3.3	5.7
Persons aged 15 to 24, neither employed, nor in education or training (NEETs)	65.0	37.1	-	37.1	27.9
<b>Females</b>	<b>3098.3</b>	<b>1434.2</b>	<b>1229.5</b>	<b>204.7</b>	<b>1664.1</b>
No formal education	70.1	5.2	4.4	/	64.9
Low	996.2	246.8	220.2	26.7	749.4
Medium	1424.6	743.2	624.1	119.1	681.4
High	607.4	439.0	380.8	58.2	168.4
Early school leavers (18–24) <sup>1)</sup>	15.8	5.6	3.0	2.7	10.2
Persons aged 15 to 24, neither employed, nor in education or training (NEETs)	62.0	27.0	-	27.0	35.0

<sup>1)</sup> The indicator consist of persons aged 18-24 whose highest level of completed education is primary education or less and who did not attend any formal or non-formal education in the last 4 weeks.

### 1.8. Population by marital status, sex and labour force status, 2017 (in thous.)

	Total	Active	Employed	Unemployed	Inactive
<b>Total</b>	<b>5984.7</b>	<b>3229.8</b>	<b>2794.7</b>	<b>435.2</b>	<b>2754.9</b>
Unmarried	1693.3	954.2	739.5	214.7	739.1
Married	3278.5	2000.1	1811.5	188.6	1278.4
Widower / widow	721.0	98.9	94.0	5.0	622.1
Divorced	291.8	176.6	149.7	26.9	115.2
<b>Males</b>	<b>2886.4</b>	<b>1795.6</b>	<b>1565.1</b>	<b>230.5</b>	<b>1090.8</b>
Unmarried	977.4	611.0	478.4	132.6	366.3
Married	1634.3	1075.5	990.9	84.6	558.8
Widower	153.8	29.6	28.4	1.2	124.2
Divorced	121.0	79.5	67.4	12.1	41.5
<b>Females</b>	<b>3098.3</b>	<b>1434.2</b>	<b>1229.5</b>	<b>204.7</b>	<b>1664.1</b>
Unmarried	716.0	343.2	261.1	82.1	372.8
Married	1644.2	924.6	820.6	104.0	719.6
Widower	567.3	69.3	65.5	3.8	498.0
Divorced	170.8	97.2	82.3	14.9	73.7

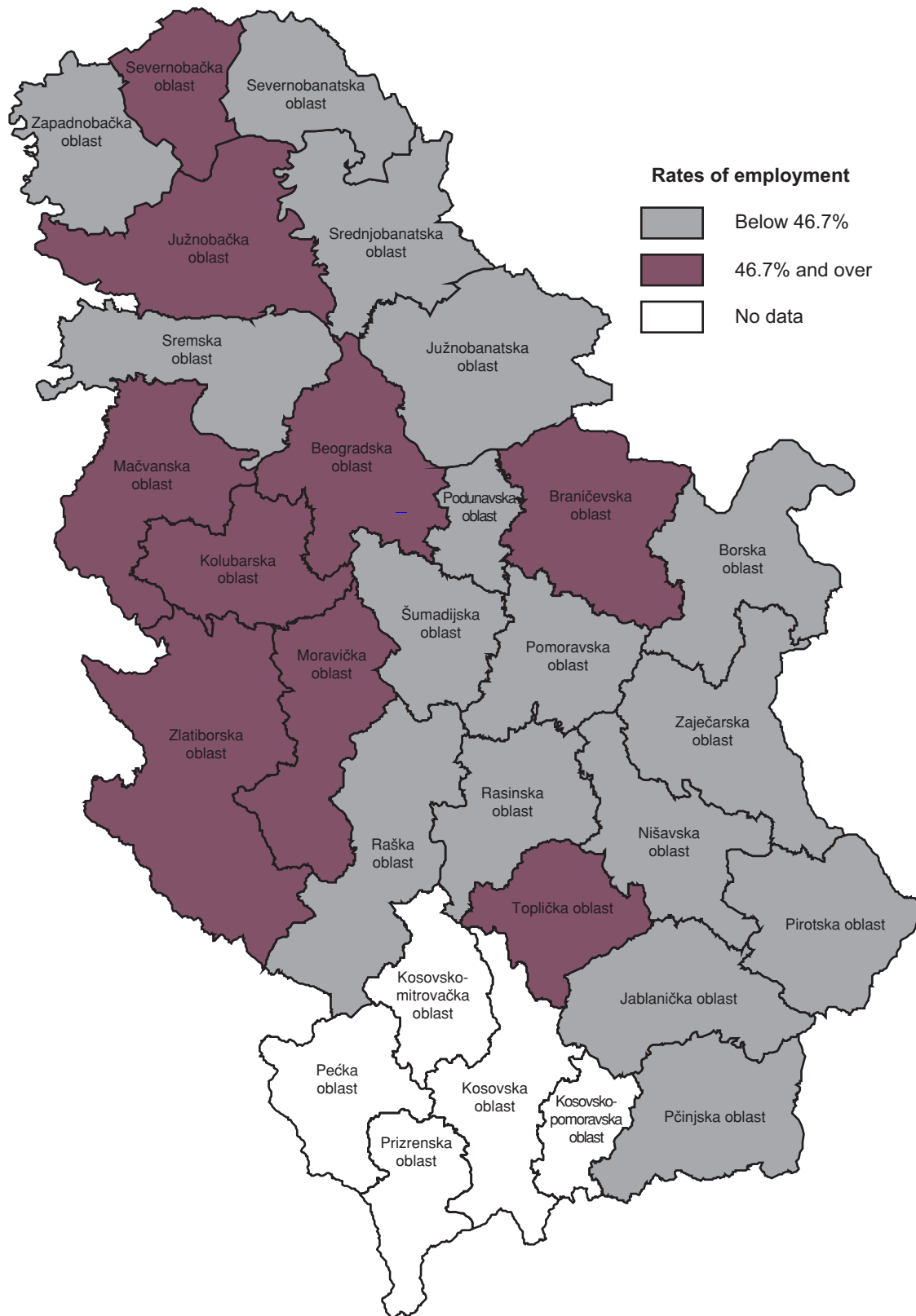
**1.9. Status of persons according to the subjective opinion, sex, region and type of settlement, 2017 (in thous.)**

	Republic of Serbia							Urban	Other
	Total	Srbija – sever		Srbija – jug		Type of settlement			
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija			
<b>Total</b>	<b>5984.7</b>	<b>1435.4</b>	<b>1602.6</b>	<b>1664.7</b>	<b>1282.0</b>	...	<b>3558.1</b>	<b>2426.6</b>	
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	2217.1	614.4	618.1	576.7	407.8	...	1424.6	792.5	
Unemployed	1093.3	227.2	282.2	318.8	265.2	...	613.3	480.0	
Pupil/student, postgraduate student, unpaid interns	525.8	129.9	133.6	150.3	112.1	...	342.1	183.7	
Pensioner	1626.4	388.1	416.1	449.9	372.4	...	975.0	651.5	
Person with long-term and permanent disability who do not work	61.4	10.6	18.9	19.1	12.9	...	30.4	31.0	
Person on military service	/	-	/	-	/	...	/	/	
Person doing housework only	415.0	55.5	119.8	138.1	101.5	...	149.8	265.2	
Other inactive persons	39.4	8.4	12.2	10.4	8.3	...	18.7	20.7	
Volunteers	6.0	/	1.6	1.4	1.7	...	4.1	2.0	
<b>Males</b>	<b>2886.4</b>	<b>667.3</b>	<b>773.7</b>	<b>814.5</b>	<b>630.9</b>	...	<b>1675.1</b>	<b>1211.3</b>	
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	1256.3	314.0	353.7	348.2	240.3	...	751.1	505.2	
Unemployed	615.8	120.6	162.2	179.4	153.7	...	332.1	283.7	
Pupil/student, postgraduate student, unpaid interns	250.0	62.8	64.4	70.0	52.8	...	165.2	84.9	
Pensioner	697.9	156.8	174.3	198.7	168.1	...	397.8	300.2	
Person with long-term and permanent disability who do not work	35.7	6.6	10.8	10.7	7.6	...	16.9	18.8	
Person on military service	/	-	/	-	/	...	/	/	
Person doing housework only	8.6	1.2	2.0	2.2	3.2	...	1.2	7.3	
Other inactive persons	19.9	4.8	5.8	5.0	4.2	...	9.5	10.4	
Volunteers	2.1	/	/	/	/	...	1.3	/	
<b>Females</b>	<b>3098.3</b>	<b>768.1</b>	<b>828.9</b>	<b>850.2</b>	<b>651.1</b>	...	<b>1883.0</b>	<b>1215.3</b>	
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	960.8	300.4	264.4	228.5	167.5	...	673.5	287.3	
Unemployed	477.5	106.6	120.0	139.4	111.5	...	281.2	196.3	
Pupil/student, postgraduate student, unpaid interns	275.8	67.0	69.2	80.3	59.3	...	177.0	98.9	
Pensioner	928.5	231.3	241.8	251.2	204.2	...	577.2	351.3	
Person with long-term and permanent disability who do not work	25.8	4.0	8.1	8.4	5.3	...	13.5	12.2	
Person on military service	/	-	/	-	-	...	-	/	
Person doing housework only	406.4	54.4	117.8	136.0	98.3	...	148.6	257.8	
Other inactive persons	19.5	3.6	6.4	5.4	4.0	...	9.2	10.3	
Volunteers	4.0	/	1.2	1.1	/	...	2.8	1.2	

**1.10. Rates of activity, unemployment and inactivity for population aged 15 and over by area, 2017 (%)**

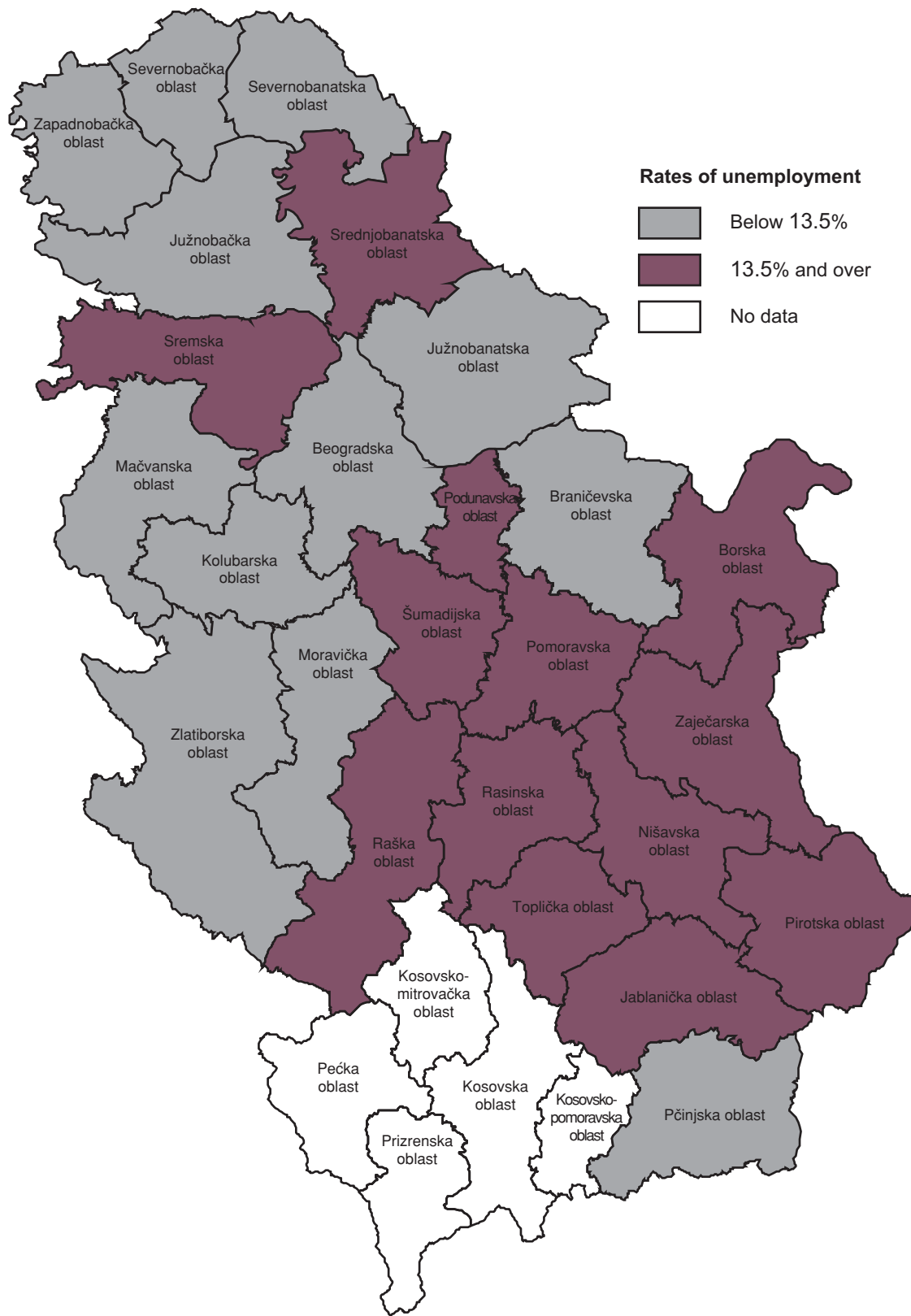
	Rate of activity	Rate of employment	Rate of unemployment	Rate of inactivity
Grad Beograd	55.8	48.3	13.3	44.2
Severnobačka oblast	53.5	47.8	10.7	46.5
Srednjobanatska oblast	50.4	43.2	14.3	49.6
Severnobanatska oblast	49.8	44.5	10.7	50.2
Južnobanatska oblast	49.4	43.1	12.8	50.6
Zapadnobačka oblast	49.1	42.8	12.8	50.9
Južnobačka oblast	55.1	49.1	11.0	44.9
Sremska oblast	53.4	45.9	14.0	46.6
Mačvanska oblast	58.7	52.8	9.9	41.3
Kolubarska oblast	61.8	57.0	7.7	38.2
Podunavska oblast	53.3	44.8	15.8	46.7
Braničevska oblast	54.0	48.9	9.6	46.0
Šumadijska oblast	53.2	45.2	15.1	46.8
Pomoravska oblast	50.5	40.8	19.2	49.5
Borska oblast	47.7	40.3	15.4	52.3
Zaječarska oblast	49.9	43.2	13.5	50.1
Zlatiborska oblast	58.3	52.7	9.5	41.7
Moravička oblast	60.6	55.7	8.1	39.4
Raška oblast	51.5	39.6	23.2	48.5
Rasinska oblast	52.3	43.9	16.0	47.7
Nišavska oblast	54.0	43.4	19.6	46.0
Toplička oblast	57.1	49.2	13.9	42.9
Pirotska oblast	53.6	45.1	15.7	46.4
Jablanička oblast	51.1	43.8	14.3	48.9
Pčinjska oblast	43.5	38.2	12.3	56.5

## Rate of employment by areas, 2017



Rate of employment in the Republic of Serbia = 46.7%

## Rate of unemployment by areas, 2017



Rate of unemployment in the Republic of Serbia = 13.5%







Employed



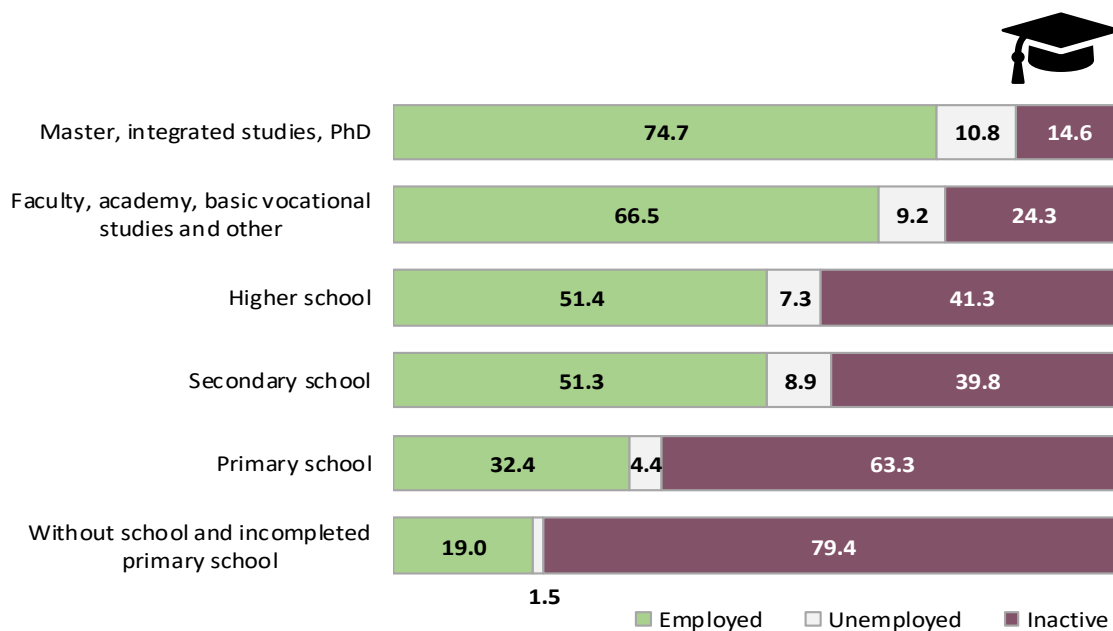
**2.1. Employed by age group, sex, region and type of settlement, 2017 (in thous.)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>2794.7</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...	<b>1595.9</b>	<b>1198.8</b>
15–24 years	154.4	31.8	47.2	43.2	32.1	...	77.5	76.9
25–34	599.0	170.2	169.5	152.3	107.1	...	363.6	235.5
35–44	749.3	209.8	203.0	195.8	140.8	...	484.4	265.0
45–54	667.9	162.0	181.1	185.1	139.7	...	394.6	273.3
55–64	477.2	102.7	116.4	155.9	102.4	...	242.7	234.5
65 +	146.7	17.6	20.7	67.5	40.9	...	33.1	113.7
<b>Male</b>	<b>1565.1</b>	<b>355.8</b>	<b>421.6</b>	<b>461.0</b>	<b>326.7</b>	...	<b>849.1</b>	<b>716.0</b>
15–24 years	99.4	18.2	29.4	28.9	22.8	...	46.9	52.5
25–34	331.8	85.3	95.8	88.8	62.0	...	189.5	142.4
35–44	403.9	105.8	112.8	106.3	79.0	...	251.9	151.9
45–54	356.6	80.6	97.5	101.9	76.6	...	199.2	157.5
55–64	279.9	55.4	71.7	92.6	60.2	...	139.8	140.1
65 +	93.6	10.5	14.4	42.6	26.2	...	21.9	71.6
<b>Female</b>	<b>1229.5</b>	<b>338.2</b>	<b>316.2</b>	<b>338.8</b>	<b>236.3</b>	...	<b>746.7</b>	<b>482.8</b>
15–24 years	55.0	13.6	17.8	14.3	9.3	...	30.7	24.4
25–34	267.2	84.9	73.7	63.5	45.1	...	174.1	93.1
35–44	345.5	104.0	90.1	89.5	61.8	...	232.4	113.0
45–54	311.3	81.3	83.6	83.2	63.1	...	195.4	115.9
55–64	197.3	47.2	44.6	63.3	42.2	...	103.0	94.4
65 +	53.2	7.1	6.4	25.0	14.8	...	11.2	42.0

## 2.2. Employed by level of education, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>2794.7</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...	<b>1595.9</b>	<b>1198.8</b>
No formal education	7.7	/	2.4	3.0	1.7	...	2.0	5.7
Low	493.2	41.9	112.5	209.9	128.9	...	108.7	384.5
Medium	1585.0	369.6	449.0	446.2	320.1	...	890.8	694.1
High	708.8	282.0	173.9	140.8	112.2	...	594.3	114.5
<b>Males</b>	<b>1565.1</b>	<b>355.8</b>	<b>421.6</b>	<b>461.0</b>	<b>326.7</b>	...	<b>849.1</b>	<b>716.0</b>
No formal education	3.3	/	1.8	/	/	...	/	2.3
Low	273.1	20.3	68.1	113.5	71.1	...	61.3	211.7
Medium	960.8	209.3	271.7	281.2	198.7	...	514.5	446.3
High	328.0	126.1	80.0	65.6	56.2	...	272.3	55.7
<b>Females</b>	<b>1229.5</b>	<b>338.2</b>	<b>316.2</b>	<b>338.8</b>	<b>236.3</b>	...	<b>746.7</b>	<b>482.8</b>
No formal education	4.4	/	/	2.4	/	...	1.1	3.3
Low	220.2	21.6	44.4	96.4	57.8	...	47.4	172.8
Medium	624.1	160.3	177.4	165.0	121.4	...	376.3	247.9
High	380.8	155.8	93.8	75.1	56.0	...	322.0	58.8

Graph. 4. Structure of employment, unemployment and inactivity by level of the highest completed education, 2017 (%)



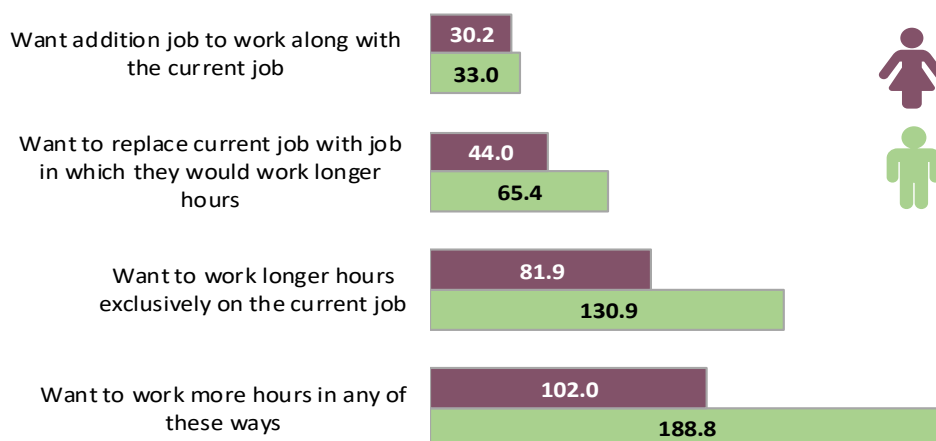
### 2.3. Employed by professional status, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Aged 15 and over</b>	<b>2794.7</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...	<b>1595.9</b>	<b>1198.8</b>
Self-employed with employees	94.3	27.5	24.8	26.2	15.8	...	70.3	24.0
Self-employed w/o employees	598.5	86.9	131.0	228.2	152.4	...	190.4	408.1
Employees	1940.2	570.6	558.2	449.5	362.0	...	1317.0	623.3
Contributing family workers	161.6	9.0	23.9	96.0	32.8	...	18.1	143.5
<b>Working age (15–64)</b>	<b>2647.9</b>	<b>676.4</b>	<b>717.1</b>	<b>732.3</b>	<b>522.1</b>	...	<b>1562.8</b>	<b>1085.1</b>
Self-employed with employees	90.3	26.4	23.6	25.1	15.2	...	67.4	23.0
Self-employed w/o employees	491.4	77.2	116.7	179.5	118.1	...	171.7	319.7
Employees	1928.9	565.4	555.2	447.6	360.7	...	1307.2	621.7
Contributing family workers	137.2	7.5	21.6	80.1	28.0	...	16.5	120.8
<b>Males</b>								
<b>Aged 15 and over</b>	<b>1565.1</b>	<b>355.8</b>	<b>421.6</b>	<b>461.0</b>	<b>326.7</b>	...	<b>849.1</b>	<b>716.0</b>
Self-employed with employees	68.5	19.2	17.2	19.6	12.5	...	50.4	18.1
Self-employed w/o employees	414.8	55.4	94.6	164.2	100.6	...	129.1	285.7
Employees	1035.4	277.9	302.6	251.4	203.5	...	663.3	372.1
Contributing family workers	46.5	3.3	7.2	25.9	10.1	...	6.3	40.1
<b>Working age (15–64)</b>	<b>1471.6</b>	<b>345.3</b>	<b>407.2</b>	<b>418.4</b>	<b>300.6</b>	...	<b>827.2</b>	<b>644.4</b>
Self-employed with employees	65.0	18.4	16.0	18.5	12.1	...	47.9	17.1
Self-employed w/o employees	338.6	49.3	83.8	128.5	77.0	...	116.2	222.4
Employees	1028.6	274.9	300.9	250.0	202.8	...	657.4	371.2
Contributing family workers	39.4	2.8	6.4	21.5	8.7	...	5.8	33.7
<b>Females</b>								
<b>Aged 15 and over</b>	<b>1229.5</b>	<b>338.2</b>	<b>316.2</b>	<b>338.8</b>	<b>236.3</b>	...	<b>746.7</b>	<b>482.8</b>
Self-employed with employees	25.8	8.3	7.6	6.6	3.3	...	19.9	5.9
Self-employed w/o employees	183.7	31.6	36.3	64.0	51.9	...	61.4	122.4
Employees	904.9	292.7	255.6	198.1	158.5	...	653.7	251.2
Contributing family workers	115.2	5.6	16.8	70.1	22.6	...	11.8	103.4
<b>Working age (15–64)</b>	<b>1176.3</b>	<b>331.1</b>	<b>309.9</b>	<b>313.9</b>	<b>221.5</b>	...	<b>735.6</b>	<b>440.8</b>
Self-employed with employees	25.4	8.0	7.6	6.6	3.2	...	19.5	5.9
Self-employed w/o employees	152.9	27.9	32.8	51.0	41.2	...	55.6	97.3
Employees	900.3	290.5	254.2	197.7	157.9	...	649.9	250.4
Contributing family workers	97.8	4.7	15.2	58.6	19.3	...	10.7	87.1

## 2.4. Employed by the usual working hours, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>2794.7</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...	<b>1595.9</b>	<b>1198.8</b>
1–14 hours	15.0	2.5	6.0	4.0	2.5	...	7.6	7.4
15–35	115.7	17.4	32.7	40.4	25.1	...	48.8	66.9
36–48	1832.6	539.4	502.7	445.0	345.4	...	1239.3	593.3
49–59	129.5	22.9	32.7	54.8	19.2	...	52.3	77.2
More than 60 work hours	123.8	19.5	31.8	52.1	20.4	...	51.1	72.7
Varying usual work hours per week	578.1	92.2	132.0	203.6	150.3	...	196.9	381.3
<b>Males</b>	<b>1565.1</b>	<b>355.8</b>	<b>421.6</b>	<b>461.0</b>	<b>326.7</b>	...	<b>849.1</b>	<b>716.0</b>
1–14 hours	6.3	0.9	2.6	1.6	1.1	...	3.1	3.2
15–35	51.7	6.4	15.0	17.4	12.8	...	20.7	31.0
36–48	960.4	258.8	267.9	242.6	191.1	...	618.3	342.1
49–59	86.0	16.0	22.5	34.3	13.1	...	34.9	51.1
More than 60 work hours	96.7	16.0	24.3	40.7	15.7	...	39.9	56.7
Varying usual work hours per week	364.2	57.7	89.3	124.3	92.9	...	132.3	231.9
<b>Females</b>	<b>1229.5</b>	<b>338.2</b>	<b>316.2</b>	<b>338.8</b>	<b>236.3</b>	...	<b>746.7</b>	<b>482.8</b>
1–14 hours	8.7	1.6	3.4	2.4	1.4	...	4.5	4.2
15–35	64.0	11.1	17.7	23.0	12.3	...	28.1	35.9
36–48	872.2	280.6	234.8	202.4	154.4	...	621.0	251.2
49–59	43.5	6.8	10.2	20.4	6.0	...	17.4	26.1
More than 60 work hours	27.1	3.6	7.5	11.4	4.7	...	11.1	16.0
Varying usual work hours per week	214.0	34.6	42.7	79.3	57.4	...	64.6	149.4

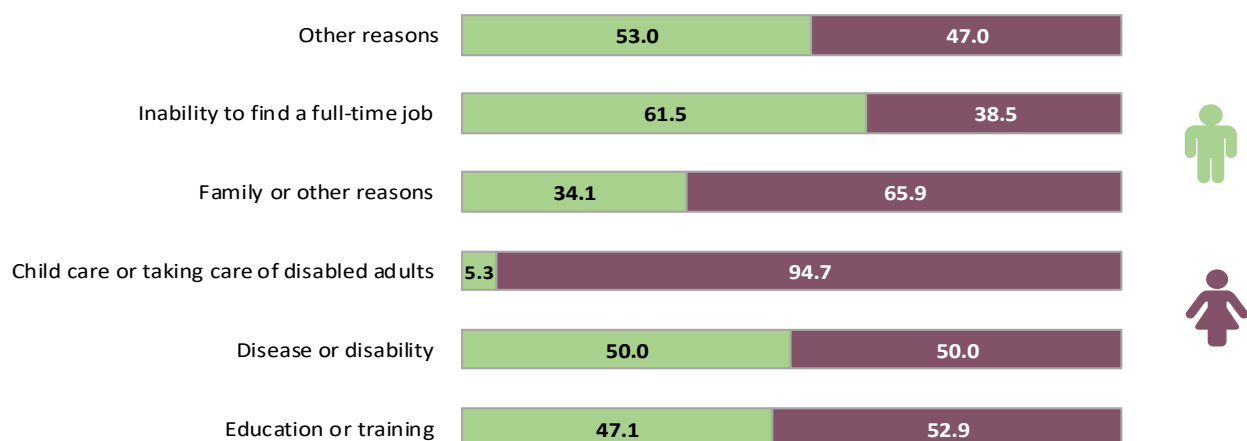
Graph. 5. Employed who want to work longer hours, by sex, 2017 (in thous.)



## 2.5. Employed by ownership, working hours, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever		Srbija – jug		
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Aged 15 and over</b>	<b>2794.7</b>	<b>1565.1</b>	<b>1229.5</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...
<b>Private ownership registered</b>	<b>1706.1</b>	<b>993.6</b>	<b>712.5</b>	<b>401.6</b>	<b>489.8</b>	<b>510.7</b>	<b>304.0</b>	...
Full-time job	1561.6	921.6	640.0	378.6	446.8	459.5	276.6	...
Part-time job	144.5	72.0	72.5	23.0	42.9	51.2	27.3	...
<b>Private ownership not registered</b>	<b>323.6</b>	<b>192.2</b>	<b>131.4</b>	<b>44.8</b>	<b>65.0</b>	<b>112.0</b>	<b>101.8</b>	...
Full-time job	147.3	95.1	52.2	17.7	25.9	56.9	46.7	...
Part-time job	176.3	97.1	79.3	27.1	39.1	55.0	55.1	...
<b>State ownership</b>	<b>735.4</b>	<b>360.7</b>	<b>374.8</b>	<b>237.6</b>	<b>174.0</b>	<b>170.0</b>	<b>153.8</b>	...
Full-time job	716.8	354.1	362.6	234.0	167.3	165.2	150.3	...
Part-time job	18.7	6.5	12.1	3.5	6.7	4.9	3.5	...
<b>Other</b>	<b>29.6</b>	<b>18.7</b>	<b>10.9</b>	<b>10.0</b>	<b>9.0</b>	<b>7.1</b>	<b>3.4</b>	...
Full-time job	19.6	12.7	6.9	7.2	4.8	5.7	2.0	...
Part-time job	9.9	6.0	3.9	2.8	4.3	1.5	1.4	...
<b>Working age (15–64)</b>	<b>2647.9</b>	<b>1471.6</b>	<b>1176.3</b>	<b>676.4</b>	<b>717.1</b>	<b>732.3</b>	<b>522.1</b>	...
<b>Private ownership registered</b>	<b>1626.9</b>	<b>939.6</b>	<b>687.4</b>	<b>393.1</b>	<b>475.7</b>	<b>470.0</b>	<b>288.1</b>	...
Full-time job	1511.6	884.7	626.9	373.6	439.0	432.7	266.4	...
Part-time job	115.3	54.9	60.4	19.5	36.8	37.3	21.7	...
<b>Private ownership not registered</b>	<b>260.6</b>	<b>155.5</b>	<b>105.0</b>	<b>38.2</b>	<b>59.2</b>	<b>85.9</b>	<b>77.3</b>	...
Full-time job	125.9	81.6	44.4	16.2	24.5	46.4	38.8	...
Part-time job	134.6	74.0	60.7	22.0	34.6	39.5	38.5	...
<b>State ownership</b>	<b>732.1</b>	<b>358.3</b>	<b>373.8</b>	<b>235.8</b>	<b>173.4</b>	<b>169.4</b>	<b>153.6</b>	...
Full-time job	714.0	352.0	362.1	232.4	166.8	164.6	150.2	...
Part-time job	18.1	6.3	11.8	3.3	6.6	4.7	3.4	...
<b>Other</b>	<b>28.3</b>	<b>18.2</b>	<b>10.1</b>	<b>9.4</b>	<b>8.8</b>	<b>7.0</b>	<b>3.1</b>	...
Full-time job	18.9	12.3	6.6	6.9	4.7	5.6	1.8	...
Part-time job	9.4	5.9	3.6	2.6	4.1	1.4	1.3	...

Graph. 6 Employed by reasons of working part-time by sex, 2017





## 2.6. Employed by section of activity, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever			Srbija – jug	
		Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Aged 15 and over</b>	<b>2794.7</b>	<b>1565.1</b>	<b>1229.5</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...
No response	/	/	/	-	/	/	/	...
Agriculture, forestry and fishing	481.1	297.7	183.5	23.3	122.0	236.7	99.2	...
Mining and quarrying	32.0	26.9	5.1	12.2	3.4	10.1	6.3	...
Manufacturing	477.4	302.6	174.7	66.0	164.3	143.9	103.2	...
Electricity and gas supply	39.8	31.7	8.1	12.6	6.3	8.6	12.3	...
Water supply, waste management	42.3	31.7	10.6	6.5	15.6	11.0	9.2	...
Construction	115.5	105.9	9.5	30.4	33.0	28.6	23.5	...
Wholesale and retail trade; repair of motor vehicles	371.2	169.6	201.5	119.9	100.6	89.6	61.1	...
Transportation and storage	144.6	114.5	30.2	56.1	33.7	29.4	25.4	...
Accommodation and food service activities	94.0	47.2	46.7	30.7	23.8	25.1	14.3	...
Information and communication	66.4	42.7	23.8	39.1	16.2	6.5	4.6	...
Financial and insurance activities	45.8	14.8	31.0	21.7	12.2	7.1	4.9	...
Real estate activities	3.9	2.1	1.8	2.1	/	/	/	...
Professional, scientific and technical activities	96.8	49.3	47.5	51.2	24.7	11.3	9.5	...
Administrative and support service activities	48.3	25.8	22.5	22.7	12.0	6.0	7.7	...
Public administration and defence; compulsory social security	146.5	85.8	60.8	44.1	34.1	34.9	33.5	...
Education	171.2	46.2	125.0	52.7	46.2	42.8	29.5	...
Human health and social work activities	157.3	40.1	117.2	44.3	43.3	34.1	35.6	...
Arts, entertainment and recreation	52.7	31.5	21.2	19.8	13.2	12.4	7.2	...
Other service activities	49.9	22.3	27.6	18.3	13.5	10.6	7.5	...
Activities of households as employers	156.3	76.3	80.0	18.8	19.3	50.3	67.8	...
Act of extraterritorial organizations and bodies	1.5	/	1.2	1.5	-	-	-	...

**2.6. Employed by section of activity, sex and region, 2017 (in thous.) (continued)**

	Republic of Serbia							
	Total	Sex		Srbija – sever			Srbija – jug	
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Working age (15–64)</b>	<b>2647.9</b>	<b>1471.6</b>	<b>1176.3</b>	<b>676.4</b>	<b>717.1</b>	<b>732.3</b>	<b>522.1</b>	...
No response	/	/	/	-	/	/	/	
Agriculture, forestry and fishing	404.3	246.9	157.5	19.8	110.8	191.9	81.9	...
Mining and quarrying	32.0	26.9	5.1	12.2	3.4	10.1	6.3	...
Manufacturing	474.8	300.5	174.3	65.2	163.6	143.2	102.8	...
Electricity and gas supply	39.8	31.6	8.1	12.5	6.3	8.6	12.3	...
Water supply, waste management	42.0	31.6	10.5	6.5	15.4	10.9	9.2	...
Construction	113.8	104.4	9.3	29.6	32.5	28.2	23.5	...
Wholesale and retail trade; repair of motor vehicles	368.7	168.0	200.8	119.1	99.9	89.2	60.5	...
Transportation and storage	143.0	113.1	29.9	55.2	33.6	29.0	25.2	...
Accommodation and food service activities	93.1	46.7	46.4	30.4	23.8	24.7	14.2	...
Information and communication	66.0	42.3	23.7	38.9	16.1	6.5	4.6	...
Financial and insurance activities	45.6	14.6	31.0	21.7	12.0	7.1	4.8	...
Real estate activities	3.9	2.1	1.8	2.1	/	/	/	...
Professional, scientific and technical activities	93.1	46.3	46.8	49.9	23.3	11.0	9.0	...
Administrative and support service activities	47.8	25.8	22.0	22.5	11.8	6.0	7.5	...
Public administration and defence; compulsory social security	145.7	85.1	60.6	43.5	34.0	34.7	33.5	...
Education	169.6	45.2	124.4	51.8	45.9	42.6	29.3	...
Human health and social work activities	154.7	38.6	116.0	43.3	42.1	33.8	35.5	...
Arts, entertainment and recreation	51.8	30.9	20.9	19.3	13.2	12.2	7.1	...
Other service activities	48.7	22.0	26.7	17.9	13.2	10.4	7.2	...
Activities of households as employers	107.8	48.6	59.3	13.7	15.7	31.4	47.1	...
Act of extraterritorial organizations and bodies	1.5	/	1.2	1.5	-	-	-	...

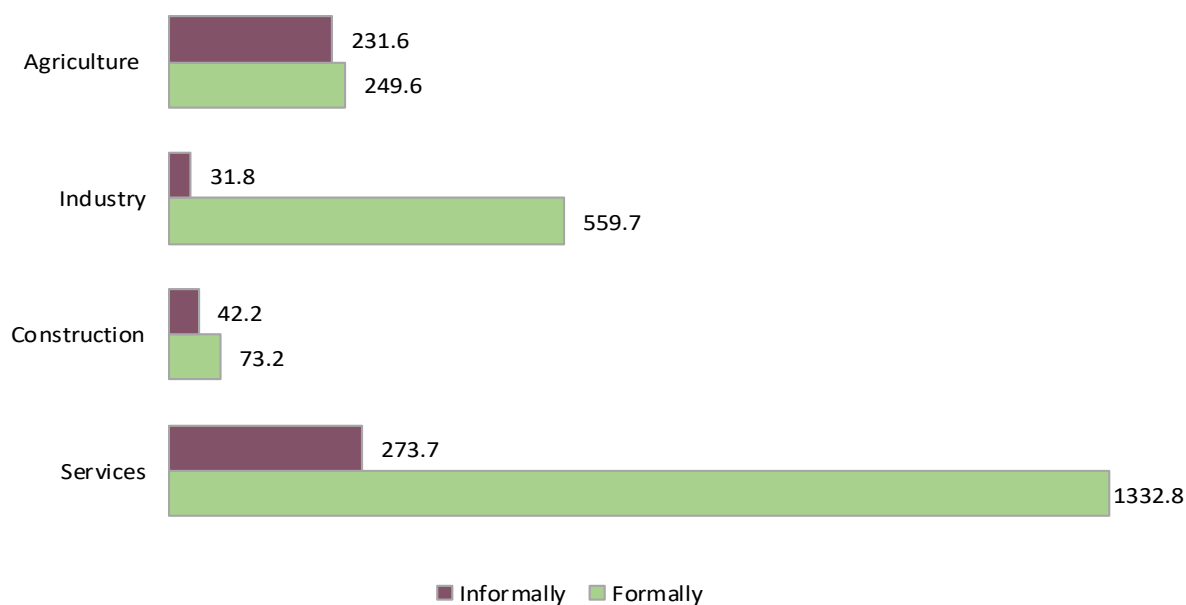
## 2.7. Employed by occupation, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever			Srbija – jug	
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Aged 15 and over</b>	<b>2794.7</b>	<b>1565.1</b>	<b>1229.5</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...
Managers	81.1	56.2	24.9	26.2	21.4	20.5	12.9	...
Professionals	376.3	160.5	215.8	161.1	98.2	68.8	48.2	...
Technicians and associate professionals	324.1	148.1	176.0	116.4	86.1	61.5	60.1	...
Clerical support workers	199.4	80.3	119.1	78.2	53.3	38.5	29.5	...
Service and sales workers	427.4	186.6	240.8	124.8	112.7	108.6	81.3	...
Skilled agricultural, forestry and fishery workers	541.6	317.0	224.6	32.7	87.9	268.0	153.1	...
Craft and related trades workers	321.4	265.3	56.1	58.0	100.5	97.4	65.4	...
Plant and machine operators, x and assemblers	260.6	211.3	49.3	43.5	86.5	71.2	59.4	...
Elementary occupations	245.9	124.0	121.9	48.9	88.6	61.5	47.0	...
Armed forces occupations	16.9	15.8	1.2	4.2	2.7	3.9	6.2	...
<b>Working age (15–64)</b>	<b>2647.9</b>	<b>1471.6</b>	<b>1176.3</b>	<b>676.4</b>	<b>717.1</b>	<b>732.3</b>	<b>522.1</b>	...
Managers	79.1	54.3	24.8	25.4	20.9	19.8	12.9	...
Professionals	368.3	154.3	213.9	157.3	95.4	68.1	47.5	...
professionals	321.5	146.6	174.9	115.1	85.8	60.9	59.7	...
Clerical support workers	198.8	80.1	118.7	78.0	53.2	38.3	29.3	...
Service and sales workers	424.3	185.4	238.9	123.4	112.2	108.4	80.3	...
Skilled agricultural, forestry and fishery workers	419.5	239.7	179.8	24.5	74.4	205.1	115.5	...
Craft and related trades workers	318.5	263.0	55.4	57.3	99.5	96.7	65.0	...
Plant and machine operators, x and assemblers	258.9	209.6	49.3	42.7	86.5	70.5	59.2	...
Elementary occupations	242.1	122.8	119.3	48.4	86.6	60.5	46.5	...
Armed forces occupations	16.9	15.8	1.2	4.2	2.7	3.9	6.2	...

**2.8. Employed in formal or informal employment, by age group, professional status, sex and region, 2017**

	Republic of Serbia							
	Total	Sex		Srbija – sever		Srbija – jug		
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Total</b>	<b>2794.7</b>	<b>1565.1</b>	<b>1229.5</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...
<b>Formally employed aged 15 and over (in thous.)</b>	<b>2215.4</b>	<b>1258.5</b>	<b>956.9</b>	<b>613.1</b>	<b>605.6</b>	<b>580.5</b>	<b>416.2</b>	...
15–24 years	108.1	66.9	41.2	23.3	33.8	28.3	22.7	...
25–54	1696.6	917.3	779.3	492.8	467.9	419.8	316.1	...
55–64	351.2	225.0	126.3	88.8	92.1	104.9	65.5	...
65 and over	59.5	49.3	10.1	8.3	11.8	27.5	12.0	...
<b>By employment status (in thous.)</b>								
Self-employed with employees	92.6	67.0	25.6	27.1	24.1	25.8	15.7	...
Self-employed w/o employees	319.1	240.1	78.9	48.3	75.0	135.0	60.7	...
Employees	1803.7	951.3	852.4	537.7	506.5	419.7	339.8	...
Contributing family workers	-	-	-	-	-	-	-	...
<b>Informally employed aged 15 and over (in thous.)</b>	<b>579.2</b>	<b>306.6</b>	<b>272.6</b>	<b>80.9</b>	<b>132.2</b>	<b>219.3</b>	<b>146.8</b>	...
15–24 years	46.3	32.4	13.8	8.6	13.4	14.9	9.4	...
25–54	319.7	175.0	144.7	49.1	85.7	113.4	71.5	...
55–64	126.0	54.9	71.1	13.9	24.2	51.0	36.9	...
65 and over	87.3	44.2	43.1	9.3	9.0	40.1	29.0	...
<b>By employment status (in thous.)</b>								
Self-employed with employees	1.6	1.5	/	/	/	/	/	...
Self-employed w/o employees	279.4	174.6	104.8	38.6	55.9	93.1	91.7	...
Employees	136.5	84.0	52.5	32.8	51.7	29.8	22.2	...
Contributing family workers	161.6	46.5	115.2	9.0	23.9	96.0	32.8	...
<b>Informal employment rate (%)</b>	<b>20.7</b>	<b>19.6</b>	<b>22.2</b>	<b>11.7</b>	<b>17.9</b>	<b>27.4</b>	<b>26.1</b>	...

**Graph. 7. Formally/informally employed by section of activity, 2017 (in thous.)**



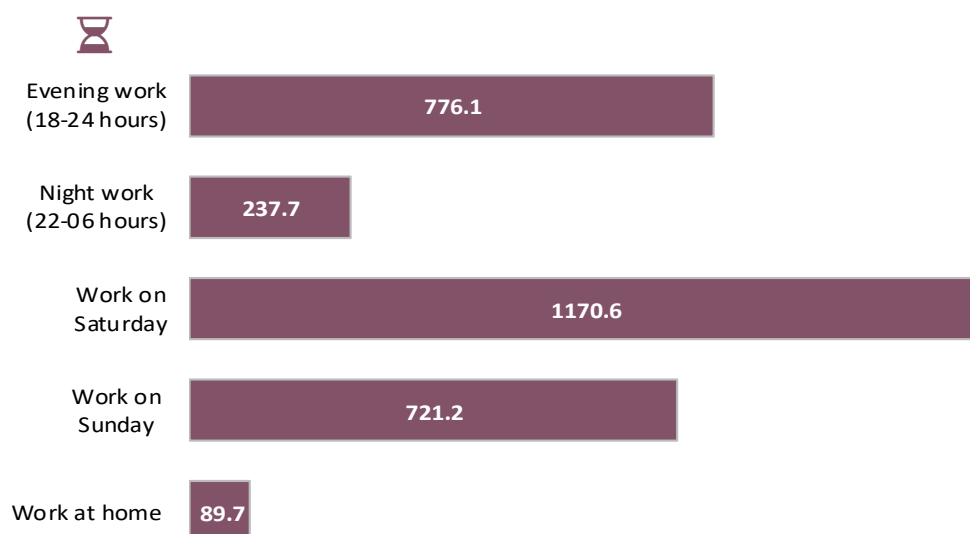
**Section of agriculture** includes Agriculture, forestry and fishing.

**Section of industry** includes Mining and quarrying, Manufacturing, Electricity and gas supply, Water supply and waste management.

**Section of construction** includes only Construction.

**Section of services** includes Wholesale and retail trade, Transportation and storage, Accommodation and food service activities, Information and communication, Financial and insurance activities, Real estate activities, Professional, scientific and technical activities, Administrative and support service activities, Public administration and compulsory social security, Education, Human health and social work activities, Arts, entertainment and recreation, Other service activities, Activities of households as employers, Activities of extraterritorial organizations and bodies.

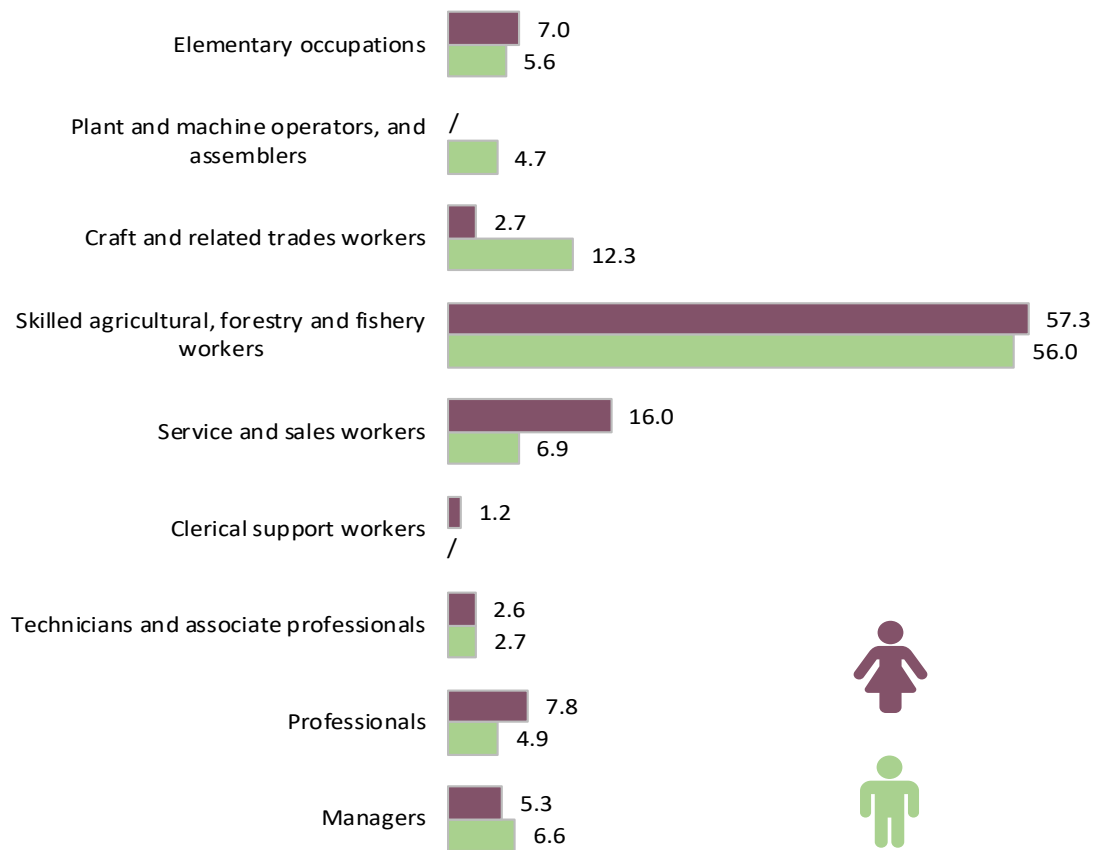
Graph. 8. Employed by specific types of working hours, 2017 (in thous.)



2.9. Employed according to whether they seek another job, reasons for seeking another job, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever			Srbija – jug	
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Total</b>	<b>2794.7</b>	<b>1565.1</b>	<b>1229.5</b>	<b>694.0</b>	<b>737.8</b>	<b>799.8</b>	<b>563.0</b>	...
<b>Employed which didn't seek job in the last four weeks</b>	<b>2638.1</b>	<b>1469.7</b>	<b>1168.4</b>	<b>652.8</b>	<b>695.5</b>	<b>759.4</b>	<b>530.3</b>	...
Employed which were seeking job in the last four weeks reason:	<b>156.6</b>	<b>95.4</b>	<b>61.2</b>	<b>41.2</b>	<b>42.3</b>	<b>40.4</b>	<b>32.7</b>	...
There is a risk of losing present job, or the work being performed is of limited duration	7.9	5.2	2.7	2.0	2.7	1.8	1.4	...
Present work is accepted as temporary	42.8	28.5	14.3	7.9	10.9	12.4	11.7	...
Search of extra job that would be performed in addition to current job	8.0	4.7	3.3	/	1.8	2.8	2.1	...
Desire to find a job with better conditions (higher wages, more convenient working hours or transport, the ability to better express their own abilities)	94.1	54.7	39.3	28.9	25.8	22.8	16.6	...
Other	3.8	2.3	1.5	/	1.1	/	/	...

Graph. 9. Self-employed by occupation and sex, 2017 ( % )



**2.10. Employees by type of contract and employment rights, sex, region and type of settlement, 2017 (in thous.)**

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>1940.2</b>	<b>570.6</b>	<b>558.2</b>	<b>449.5</b>	<b>362.0</b>	...	<b>1317.0</b>	<b>623.3</b>
<b>Employees by contract on employment</b>								
Written contract on employment	1803.7	537.7	506.5	419.7	339.8	...	1238.8	565.0
Verbally agreed employment	136.5	32.8	51.7	29.8	22.2	...	78.2	58.3
<b>Entitlements from employment</b>								
Entitlement to pension insurance	1778.0	527.7	499.1	414.5	336.6	...	1220.7	557.2
No entitlement to pension insurance	162.3	42.8	59.1	35.0	25.4	...	96.2	66.0
Entitlement to health insurance	1777.0	526.6	499.5	414.3	336.5	...	1219.4	557.6
No entitlement to health insurance	163.3	43.9	58.6	35.1	25.5	...	97.5	65.7
Entitlement to paid sick leave	1727.2	511.8	488.0	400.3	327.1	...	1189.1	538.1
No entitlement to paid sick leave	213.1	58.8	70.2	49.2	34.9	...	127.9	85.2
Entitlement to annual paid leave	1721.0	510.9	487.4	397.1	325.6	...	1185.3	535.8
No entitlement to annual paid leave	219.2	59.7	70.8	52.3	36.4	...	131.7	87.5
<b>Males</b>	<b>1035.4</b>	<b>277.9</b>	<b>302.6</b>	<b>251.4</b>	<b>203.5</b>	...	<b>663.3</b>	<b>372.1</b>
<b>Employees by contract on employment</b>								
Written contract on employment	951.3	261.2	270.1	231.6	188.4	...	617.2	334.1
Verbally agreed employment	84.0	16.6	32.6	19.8	15.1	...	46.0	38.0
<b>Entitlements from employment</b>								
Entitlement to pension insurance	934.9	255.2	265.7	228.0	186.1	...	606.4	328.6
No entitlement to pension insurance	100.5	22.7	37.0	23.4	17.4	...	56.9	43.5
Entitlement to health insurance	934.8	254.9	265.6	228.3	186.1	...	606.2	328.7
No entitlement to health insurance	100.5	23.0	37.0	23.1	17.4	...	57.1	43.4
Entitlement to paid sick leave	906.5	246.4	258.4	221.0	180.6	...	589.4	317.0
No entitlement to paid sick leave	128.9	31.4	44.2	30.4	22.9	...	73.8	55.1
Entitlement to annual paid leave	902.5	245.6	258.2	219.0	179.7	...	587.2	315.2
No entitlement to annual paid leave	132.9	32.2	44.4	32.4	23.8	...	76.0	56.9



**2.10. Employees by type of contract and employment rights, sex, region and type of settlement, 2017 (in thous.) (continued)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Females</b>	<b>904,9</b>	<b>292,7</b>	<b>255,6</b>	<b>198,1</b>	<b>158,5</b>	...	<b>653,7</b>	<b>251,2</b>
<b>Employees by contract on employment</b>								
Written contract on employment	852,4	276,5	236,4	188,1	151,4		621,5	230,9
Verbally agreed employment	52,5	16,2	19,2	10,0	7,1	...	32,2	20,3
<b>Entitlements from employment</b>								
Entitlement to pension insurance	843,1	272,5	233,4	186,5	150,6	...	614,4	228,7
No entitlement to pension insurance	61,8	20,2	22,1	11,6	8,0	...	39,3	22,5
Entitlement to health insurance	842,1	271,8	233,9	186,1	150,4	...	613,3	228,9
No entitlement to health insurance	62,7	20,9	21,7	12,0	8,2	...	40,4	22,3
Entitlement to paid sick leave	820,7	265,4	229,5	179,2	146,6	...	599,6	221,1
No entitlement to paid sick leave	84,2	27,3	26,0	18,8	12,0	...	54,1	30,1
Entitlement to annual paid leave	818,5	265,2	229,2	178,2	145,9	...	598,0	220,5
No entitlement to annual paid leave	86,3	27,5	26,3	19,9	12,6	...	55,7	30,6

## 2.11. Employees by section of activity, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>1940,2</b>	<b>570,6</b>	<b>558,2</b>	<b>449,5</b>	<b>362,0</b>	...	<b>1317,0</b>	<b>623,3</b>
Agriculture	58,7	3,6	37,8	9,9	7,5	...	19,4	39,3
Industry	546,6	86,9	176,1	158,5	125,1	...	320,6	226,0
Construction	81,0	20,5	23,5	20,3	16,8	...	44,3	36,8
Services	1253,9	459,6	320,8	260,8	212,6	...	932,7	321,2
<b>Males</b>	<b>1035,4</b>	<b>277,9</b>	<b>302,6</b>	<b>251,4</b>	<b>203,5</b>	...	<b>663,3</b>	<b>372,1</b>
Agriculture	43,0	2,5	28,4	6,6	5,5	...	14,5	28,5
Industry	358,1	59,8	110,9	107,5	79,9	...	204,2	153,9
Construction	72,6	16,8	21,2	19,0	15,5	...	37,8	34,8
Services	561,7	198,8	142,1	118,3	102,5	...	406,8	154,9
<b>Females</b>	<b>904,9</b>	<b>292,7</b>	<b>255,6</b>	<b>198,1</b>	<b>158,5</b>	...	<b>653,7</b>	<b>251,2</b>
Agriculture	15,8	1,1	9,4	3,3	2,0	...	4,9	10,9
Industry	188,5	27,1	65,2	51,0	45,2	...	116,4	72,1
Construction	8,4	3,7	2,3	1,2	1,3	...	6,5	2,0
Services	692,2	260,8	178,7	142,6	110,1	...	525,9	166,2

**Section of agriculture** includes Agriculture, forestry and fishing.

**Section of industry** includes Mining and quarrying, Manufacturing, Electricity and gas supply, Water supply and waste management.

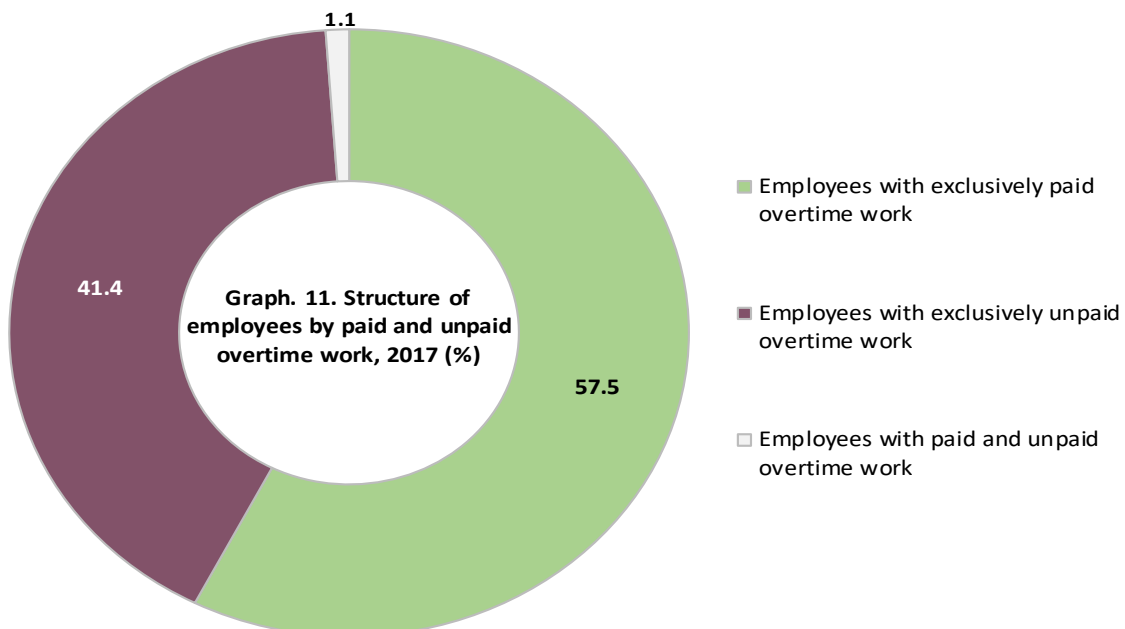
**Section of construction** includes only Construction.

**Section of services** includes Wholesale and retail trade, Transportation and storage, Accommodation and food service activities, Information and communication, Financial and insurance activities, Real estate activities, Professional, scientific and technical activities, Administrative and support service activities, Public administration and compulsory social security, Education, Human health and social work activities, Arts, entertainment and recreation, Other service activities, Activities of households

**Graph. 10. Employees who are obliged to control the work of other employees, by sex 2017 (%)**



Refers to the employee that controls and manages the operation of at least one employee (other than an apprentice) and whose control function is in description of his/her work



**2.12. Employees by occupation, sex, region and type of settlement, 2017 (in thous.)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug		Type of settlement		
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>1940.2</b>	<b>570.6</b>	<b>558.2</b>	<b>449.5</b>	<b>362.0</b>	...	<b>1317.0</b>	<b>623.3</b>
Managers	38.1	10.4	11.3	8.3	8.0	...	31.7	6.4
Professionals	336.3	140.4	88.1	63.1	44.6	...	292.1	44.2
Technicians and associate professionals	305.2	109.5	80.8	57.6	57.4	...	240.0	65.2
Clerical support workers	194.4	76.1	52.0	37.6	28.8	...	147.3	47.1
Service and sales workers	355.9	108.2	93.7	87.2	66.9	...	237.7	118.3
Skilled agricultural, forestry and fishery workers	7.4	/	3.0	2.0	1.6	...	2.7	4.7
Craft and related trades workers	253.1	43.5	78.9	76.5	54.2	...	131.2	121.9
Plant and machine operators, and assemblers	236.7	35.4	81.2	64.7	55.4	...	124.1	112.6
Elementary occupations	196.2	42.2	66.6	48.6	38.8	...	97.9	98.3
Armed forces occupations	16.9	4.2	2.7	3.9	6.2	...	12.4	4.6
<b>Males</b>	<b>1035.4</b>	<b>277.9</b>	<b>302.6</b>	<b>251.4</b>	<b>203.5</b>	...	<b>663.3</b>	<b>372.1</b>
Managers	24.2	6.6	6.9	5.4	5.3	...	20.2	4.0
Professionals	136.8	57.9	36.4	24.3	18.2	...	119.0	17.8
Technicians and associate professionals	134.9	48.7	33.9	26.0	26.3	...	106.9	28.0
Clerical support workers	78.8	27.6	23.3	15.9	12.0	...	55.0	23.7
Service and sales workers	151.5	43.7	39.5	37.6	30.6	...	100.5	51.0
Skilled agricultural, forestry and fishery workers	6.5	/	2.7	1.7	1.5	...	2.2	4.2
Craft and related trades workers	204.1	39.2	63.7	61.1	40.1	...	103.9	100.2
Plant and machine operators, and assemblers	187.9	32.3	58.8	53.9	42.9	...	98.5	89.4
Elementary occupations	94.9	17.3	34.8	22.1	20.7	...	45.5	49.4
Armed forces occupations	15.8	3.9	2.6	3.5	5.8	...	11.4	4.4
<b>Females</b>	<b>904.9</b>	<b>292.7</b>	<b>255.6</b>	<b>198.1</b>	<b>158.5</b>	...	<b>653.7</b>	<b>251.2</b>
Managers	13.9	3.8	4.4	2.9	2.7	...	11.5	2.4
Professionals	199.5	82.5	51.7	38.9	26.4	...	173.1	26.3
Technicians and associate professionals	170.3	60.8	46.9	31.6	31.0	...	133.0	37.2
Clerical support workers	115.7	48.4	28.7	21.7	16.8	...	92.3	23.4
Service and sales workers	204.4	64.4	54.2	49.5	36.2	...	137.1	67.3
Skilled agricultural, forestry and fishery workers	/	/	/	/	/	...	/	/
Craft and related trades workers	49.0	4.3	15.1	15.5	14.2	...	27.3	21.7
Plant and machine operators, and assemblers	48.9	3.1	22.4	10.8	12.6	...	25.6	23.2
Elementary occupations	101.2	24.8	31.8	26.5	18.1	...	52.3	48.9
Armed forces occupations	1.2	/	/	/	/	...	/	/

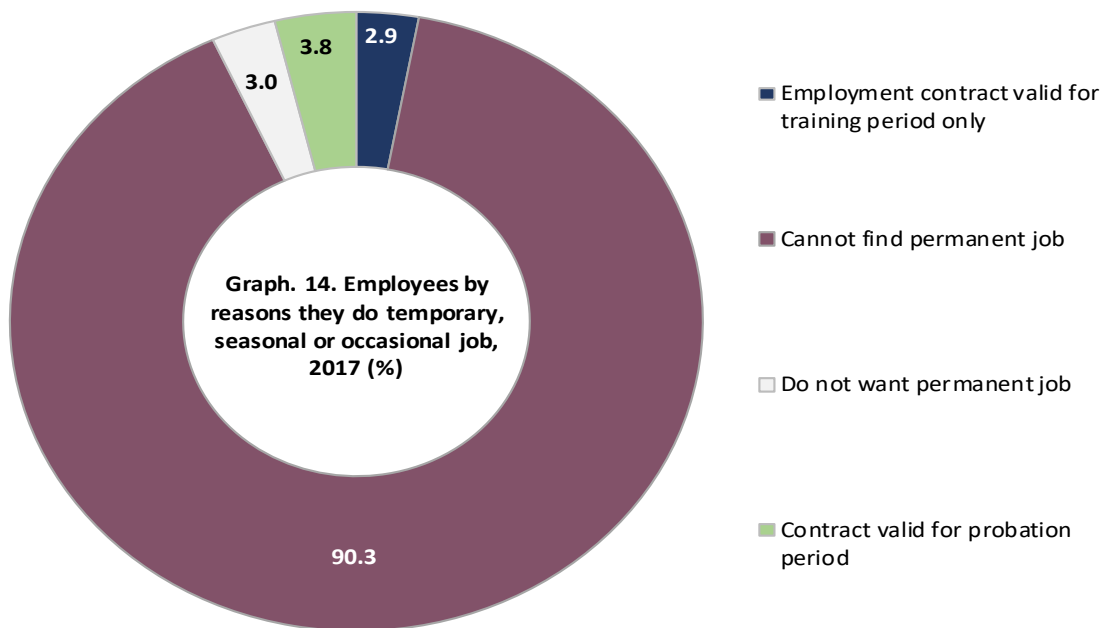
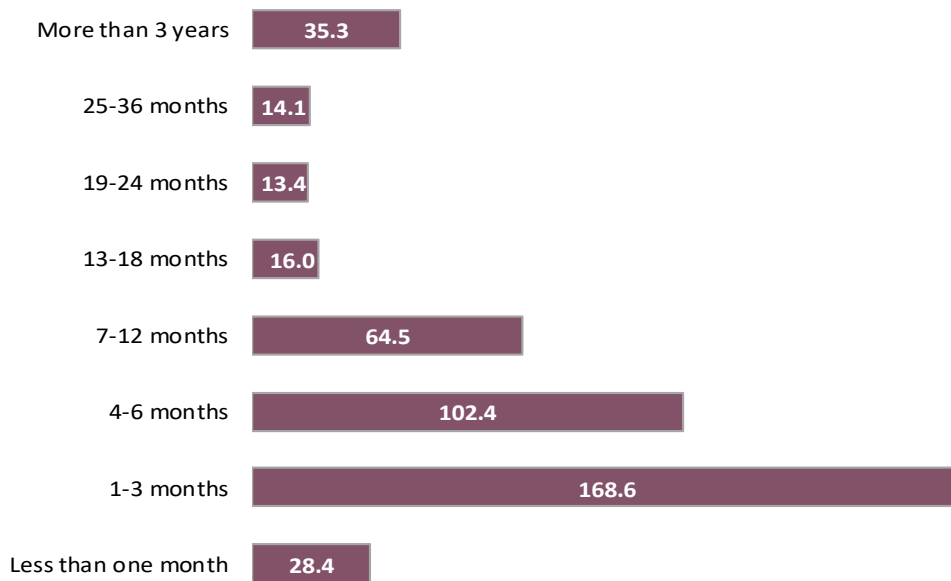
**Graph.12. Structure of employees by occupation and sex, 2017 (%)**



## 2.13. Employees by permanency of job, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Employees aged 15 and over</b>	<b>1940.2</b>	<b>570.6</b>	<b>558.2</b>	<b>449.5</b>	<b>362.0</b>	...	<b>1317.0</b>	<b>623.3</b>
Permanent job	1497.5	458.6	410.7	344.4	283.8	...	1044.8	452.8
Temporary job	367.1	97.0	118.3	86.5	65.3	...	232.8	134.3
Seasonal job	31.8	3.6	14.0	7.7	6.4	...	13.5	18.3
Casual job	43.8	11.3	15.1	10.8	6.6	...	25.9	17.9
<b>Employees of working age (15–64)</b>	<b>1928.9</b>	<b>565.4</b>	<b>555.2</b>	<b>447.6</b>	<b>360.7</b>	...	<b>1307.2</b>	<b>621.7</b>
Permanent job	1491.7	456.0	409.2	343.3	283.2	...	1039.3	452.3
Temporary job	364.6	95.3	118.0	86.3	65.0	...	230.7	133.8
Seasonal job	31.3	3.5	13.8	7.6	6.3	...	13.3	18.0
Casual job	41.4	10.6	14.2	10.4	6.2	...	23.9	17.5
<b>Males</b>								
<b>Employees aged 15 and over</b>	<b>1035.4</b>	<b>277.9</b>	<b>302.6</b>	<b>251.4</b>	<b>203.5</b>	...	<b>663.3</b>	<b>372.1</b>
Permanent job	788.3	220.9	220.0	192.3	155.1	...	516.0	272.3
Temporary job	197.1	47.6	64.2	46.5	38.8	...	122.0	75.1
Seasonal job	21.3	2.5	8.7	5.3	4.8	...	9.3	12.0
Casual job	28.6	6.8	9.7	7.3	4.8	...	16.0	12.6
<b>Employees of working age (15–64)</b>	<b>1028.6</b>	<b>274.9</b>	<b>300.9</b>	<b>250.0</b>	<b>202.8</b>	...	<b>657.4</b>	<b>371.2</b>
Permanent job	784.8	219.5	219.1	191.3	154.9	...	512.7	272.1
Temporary job	195.2	46.4	63.9	46.3	38.6	...	120.4	74.8
Seasonal job	21.2	2.5	8.6	5.3	4.7	...	9.3	11.9
Casual job	27.4	6.5	9.4	7.0	4.6	...	15.0	12.4
<b>Females</b>								
<b>Employees aged 15 and over</b>	<b>904.9</b>	<b>292.7</b>	<b>255.6</b>	<b>198.1</b>	<b>158.5</b>	...	<b>653.7</b>	<b>251.2</b>
Permanent job	709.3	237.7	190.7	152.2	128.7	...	528.8	180.5
Temporary job	170.0	49.3	54.1	40.0	26.5	...	110.8	59.1
Seasonal job	10.5	/	5.3	2.4	1.6	...	4.2	6.3
Casual job	15.2	4.5	5.4	3.5	1.8	...	9.9	5.3
<b>Employees of working age (15–64)</b>	<b>900.3</b>	<b>290.5</b>	<b>254.2</b>	<b>197.7</b>	<b>157.9</b>	...	<b>649.9</b>	<b>250.4</b>
Permanent job	706.9	236.5	190.1	152.0	128.3	...	526.6	180.3
Temporary job	169.4	49.0	54.1	39.9	26.4	...	110.3	59.1
Seasonal job	10.1	/	5.2	2.4	1.6	...	4.0	6.1
Casual job	14.0	4.1	4.9	3.4	1.6	...	8.9	5.0

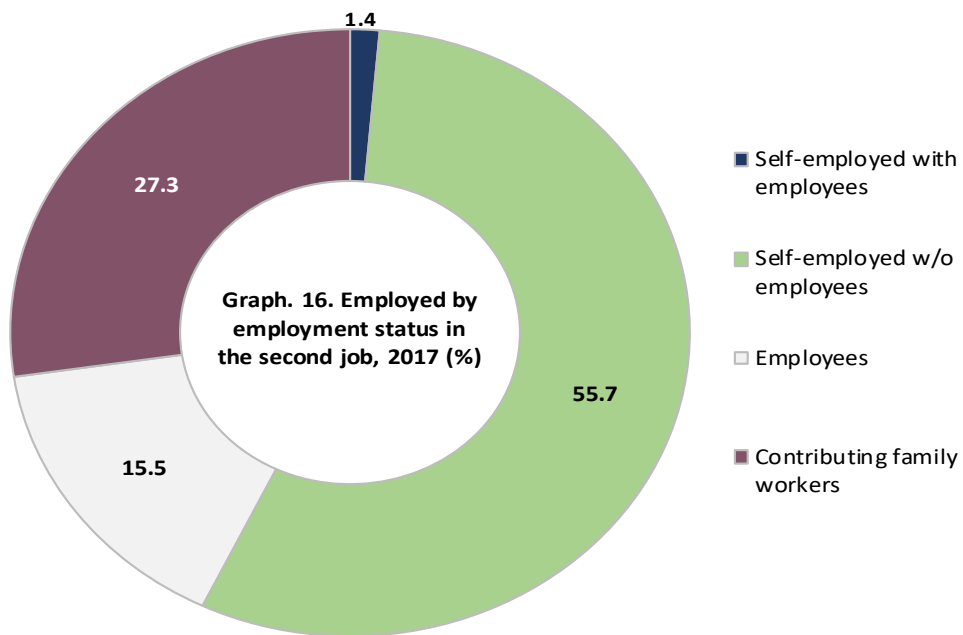
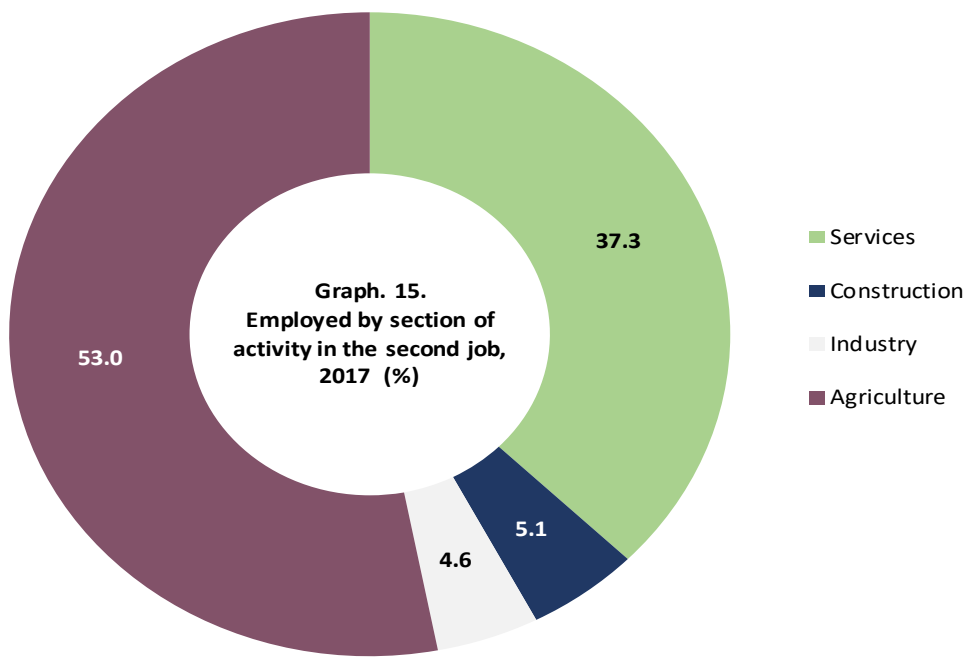
**Graph. 13. Employees by total duration of temporary job (temporary, seasonal or occasional jobs), 2017 (in thous.)**



## 2.14. Employees by ownership, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Employees aged 15 and over</b>	<b>1940.2</b>	<b>570.6</b>	<b>558.2</b>	<b>449.5</b>	<b>362.0</b>	...	<b>1317.0</b>	<b>623.3</b>
Private ownership, registered	1157.2	319.0	369.1	268.8	200.2	...	749.7	407.5
Private ownership, not registered	28.1	6.9	10.1	5.3	5.9	...	16.3	11.9
State ownership	735.4	237.6	174.0	170.0	153.8	...	537.3	198.2
Other	19.5	7.1	5.1	5.4	2.0	...	13.7	5.8
<b>Employees of working age (15–64)</b>	<b>1928.9</b>	<b>565.4</b>	<b>555.2</b>	<b>447.6</b>	<b>360.7</b>	...	<b>1307.2</b>	<b>621.7</b>
Private ownership, registered	1150.7	316.3	367.1	267.8	199.5	...	744.3	406.4
Private ownership, not registered	27.4	6.6	9.7	5.2	5.9	...	15.7	11.7
State ownership	732.1	235.8	173.4	169.4	153.6	...	534.3	197.9
Other	18.7	6.7	5.0	5.3	1.7	...	13.0	5.7
<b>Males</b>								
<b>Employees aged 15 and over</b>	<b>1035.4</b>	<b>277.9</b>	<b>302.6</b>	<b>251.4</b>	<b>203.5</b>	...	<b>663.3</b>	<b>372.1</b>
Private ownership, registered	647.6	162.4	213.2	157.0	115.1	...	402.3	245.3
Private ownership, not registered	15.1	2.6	5.4	3.4	3.7	...	7.4	7.7
State ownership	360.7	109.4	80.5	87.5	83.3	...	246.2	114.4
Other	12.1	3.5	3.6	3.6	1.4	...	7.4	4.7
<b>Employees of working age (15–64)</b>	<b>1028.6</b>	<b>274.9</b>	<b>300.9</b>	<b>250.0</b>	<b>202.8</b>	...	<b>657.4</b>	<b>371.2</b>
Private ownership, registered	643.5	160.9	211.9	156.2	114.6	...	398.9	244.7
Private ownership, not registered	15.0	2.6	5.4	3.3	3.7	...	7.4	7.7
State ownership	358.3	108.0	80.2	87.0	83.1	...	244.0	114.3
Other	11.8	3.4	3.5	3.5	1.4	...	7.2	4.6
<b>Females</b>								
<b>Employees aged 15 and over</b>	<b>904.9</b>	<b>292.7</b>	<b>255.6</b>	<b>198.1</b>	<b>158.5</b>	...	<b>653.7</b>	<b>251.2</b>
Private ownership, registered	509.6	156.7	155.8	111.9	85.2	...	347.4	162.1
Private ownership, not registered	13.1	4.3	4.7	1.8	2.3	...	8.9	4.2
State ownership	374.8	128.2	93.5	82.5	70.5	...	291.0	83.7
Other	7.5	3.6	1.5	1.8	/	...	6.4	1.1
<b>Employees of working age (15–64)</b>	<b>900.3</b>	<b>290.5</b>	<b>254.2</b>	<b>197.7</b>	<b>157.9</b>	...	<b>649.9</b>	<b>250.4</b>
Private ownership, registered	507.2	155.4	155.2	111.7	84.9	...	345.4	161.8
Private ownership, not registered	12.4	4.0	4.3	1.8	2.2	...	8.4	4.0
State ownership	373.8	127.8	93.2	82.4	70.4	...	290.3	83.6
Other	6.9	3.3	1.5	1.8	/	...	5.8	1.1







Unemployed



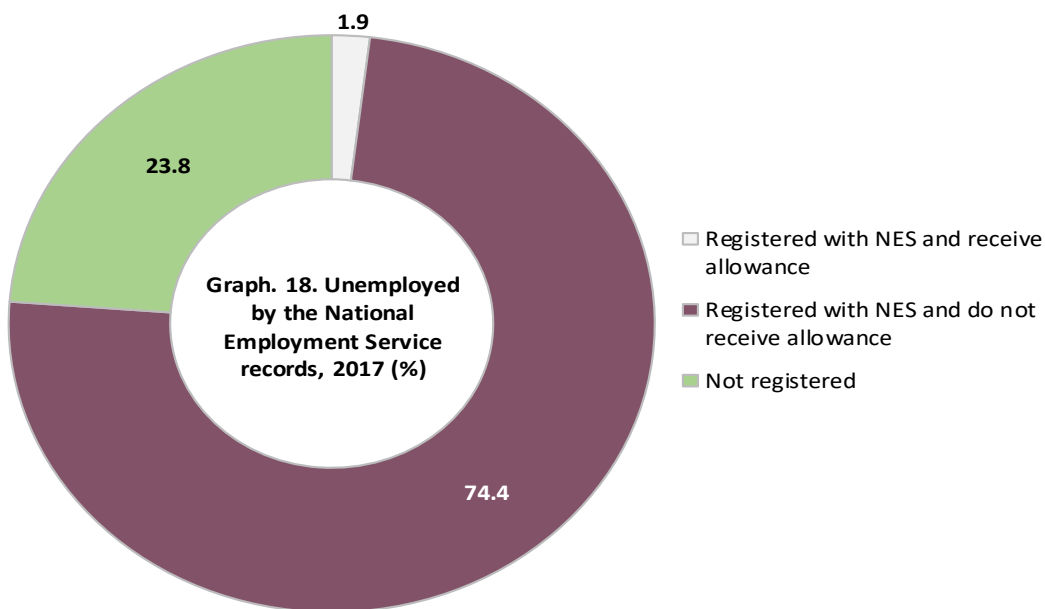
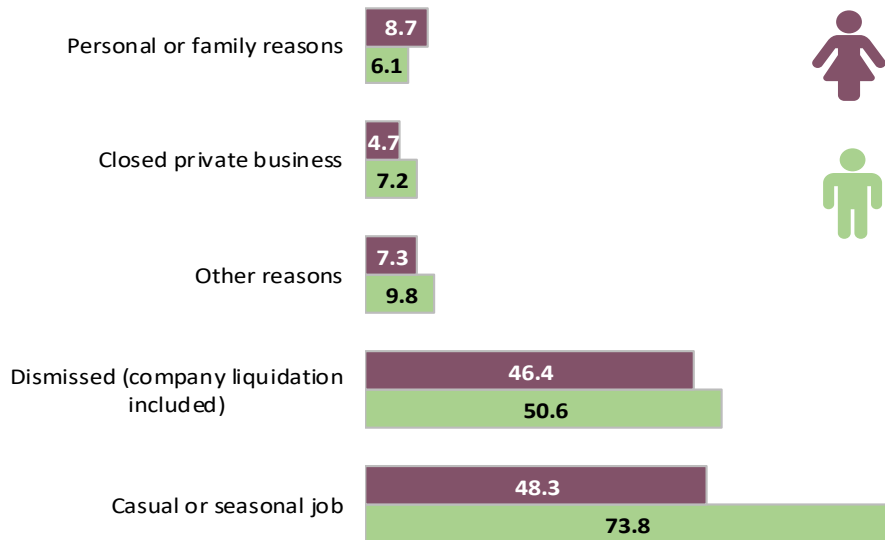
### 3.1. Unemployed by age group, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>435.2</b>	<b>106.7</b>	<b>102.1</b>	<b>125.5</b>	<b>100.8</b>	...	<b>282.0</b>	<b>153.1</b>
15–24 years	72.3	15.0	20.3	20.4	16.6	...	38.3	34.0
25–34	140.1	36.1	31.7	41.2	31.1	...	92.7	47.4
35–44	102.8	25.7	22.7	29.8	24.6	...	67.4	35.5
45–54	75.9	17.4	17.8	22.0	18.6	...	52.5	23.3
55–64	41.8	11.0	9.3	11.7	9.8	...	29.5	12.4
64 +	2.2	/	/	/	/	...	1.7	/
<b>Male</b>	<b>230.5</b>	<b>56.2</b>	<b>55.1</b>	<b>65.7</b>	<b>53.5</b>	...	<b>149.6</b>	<b>80.8</b>
15–24 years	40.9	8.6	11.0	11.5	9.8	...	22.7	18.2
25–34	72.4	17.7	16.6	21.1	16.9	...	48.6	23.8
35–44	49.6	12.4	11.3	14.4	11.5	...	32.3	17.3
45–54	38.2	9.6	9.1	10.6	8.9	...	26.2	11.9
55–64	28.0	7.0	6.8	7.8	6.4	...	18.8	9.2
64 +	1.4	/	/	/	/	...	/	/
<b>Female</b>	<b>204.7</b>	<b>50.5</b>	<b>47.0</b>	<b>59.8</b>	<b>47.4</b>	...	<b>132.4</b>	<b>72.3</b>
15–24 years	31.4	6.5	9.3	8.9	6.8	...	15.6	15.8
25–34	67.7	18.4	15.0	20.0	14.2	...	44.0	23.6
35–44	53.2	13.3	11.5	15.3	13.1	...	35.1	18.1
45–54	37.7	7.8	8.7	11.4	9.7	...	26.3	11.4
55–64	13.8	4.0	2.5	3.8	3.5	...	10.6	3.2
64 +	/	/	/	/	-	...	/	/

### 3.2. Unemployed by educational attainment, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>435.2</b>	<b>106.7</b>	<b>102.1</b>	<b>125.5</b>	<b>100.8</b>	...	<b>282.0</b>	<b>153.1</b>
No formal education	1.6	/	/	/	/	...	/	/
Low	60.4	9.2	18.4	18.4	14.5	...	28.5	31.9
Medium	274.3	60.5	63.8	84.6	65.3	...	173.4	100.9
High	98.9	36.8	19.2	22.4	20.5	...	79.4	19.4
<b>Males</b>	<b>230.5</b>	<b>56.2</b>	<b>55.1</b>	<b>65.7</b>	<b>53.5</b>	...	<b>149.6</b>	<b>80.8</b>
No formal education	/	/	/	-	/	...	/	/
Low	33.8	5.7	11.2	8.7	8.1	...	15.7	18.0
Medium	155.2	33.9	36.2	47.2	37.9	...	99.2	56.0
High	40.7	16.5	7.3	9.8	7.1	...	34.3	6.3
<b>Females</b>	<b>204.7</b>	<b>50.5</b>	<b>47.0</b>	<b>59.8</b>	<b>47.4</b>	...	<b>132.4</b>	<b>72.3</b>
No formal education	/	/	/	/	/	...	/	/
Low	26.7	3.5	7.2	9.7	6.3	...	12.8	13.9
Medium	119.1	26.6	27.7	37.5	27.3	...	74.2	44.9
High	58.2	20.3	11.9	12.6	13.4	...	45.1	13.1

**Graph. 17. Five main reasons for ceased job for unemployed that stopped working in the previous eight years, 2017 (in thous.)**



### 3.3. Unemployed by duration of job searching, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>435.2</b>	<b>106.7</b>	<b>102.1</b>	<b>125.5</b>	<b>100.8</b>	...	<b>282.0</b>	<b>153.1</b>
Seek job for less than 12 months	171.8	41.4	52.2	45.2	33.0	...	110.5	61.3
Seek job from 12 to 24 months	81.6	21.4	18.7	22.2	19.3	...	55.6	26.0
Seek job from 2 to 6 years	110.8	29.4	19.2	32.0	30.2	...	72.2	38.6
Seek job for more than 7 years	70.9	14.5	12.0	26.2	18.3	...	43.7	27.2
<b>Male</b>	<b>230.5</b>	<b>56.2</b>	<b>55.1</b>	<b>65.7</b>	<b>53.5</b>	...	<b>149.6</b>	<b>80.8</b>
Seek job for less than 12 months	88.9	20.8	27.4	22.7	18.1	...	57.1	31.8
Seek job from 12 to 24 months	42.6	11.9	9.8	11.5	9.4	...	29.5	13.1
Seek job from 2 to 6 years	60.0	15.7	10.6	17.7	16.0	...	39.2	20.8
Seek job for more than 7 years	38.9	7.9	7.2	13.9	9.9	...	23.8	15.1
<b>Female</b>	<b>204.7</b>	<b>50.5</b>	<b>47.0</b>	<b>59.8</b>	<b>47.4</b>	...	<b>132.4</b>	<b>72.3</b>
Seek job for less than 12 months	82.8	20.6	24.8	22.5	14.9	...	53.3	29.5
Seek job from 12 to 24 months	39.0	9.6	8.9	10.7	9.9	...	26.1	12.9
Seek job from 2 to 6 years	50.8	13.7	8.6	14.3	14.2	...	33.0	17.8
Seek job for more than 7 years	32.0	6.6	4.7	12.3	8.4	...	19.9	12.1

### 3.4. Unemployed by previous work experience, type of job sought, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>435.2</b>	<b>106.7</b>	<b>102.1</b>	<b>125.5</b>	<b>100.8</b>	...	<b>282.0</b>	<b>153.1</b>
<b>By previous work experience</b>								
Had previous work experience	322.5	79.5	82.0	86.1	74.9	...	214.9	107.6
No previous work experience	112.6	27.2	20.1	39.5	25.9	...	67.1	45.5
<b>By type of job sought</b>								
Seek job to work as self-employed	6.1	1.7	1.8	1.7	/	...	4.7	1.4
Seek job to work as employees	429.0	105.0	100.4	123.9	99.9	...	277.3	151.7
<b>Male</b>	<b>230.5</b>	<b>56.2</b>	<b>55.1</b>	<b>65.7</b>	<b>53.5</b>	...	<b>149.6</b>	<b>80.8</b>
<b>By previous work experience</b>								
Had previous work experience	177.3	43.7	46.3	46.5	40.9	...	116.7	60.6
No previous work experience	53.1	12.6	8.8	19.3	12.6	...	32.9	20.2
<b>By type of job sought</b>								
Seek job to work as self-employed	3.7	/	1.4	1.1	/	...	2.9	/
Seek job to work as employees	226.8	55.4	53.7	64.6	53.0	...	146.7	80.0
<b>Female</b>	<b>204.7</b>	<b>50.5</b>	<b>47.0</b>	<b>59.8</b>	<b>47.4</b>	...	<b>132.4</b>	<b>72.3</b>
<b>By previous work experience</b>								
Had previous work experience	145.2	35.9	35.7	39.6	34.0	...	98.2	47.0
No previous work experience	59.5	14.6	11.3	20.2	13.3	...	34.2	25.3
<b>By type of job sought</b>								
Seek job to work as self-employed	2.4	/	/	/	/	...	1.8	/
Seek job to work as employees	202.3	49.5	46.7	59.2	46.8	...	130.6	71.7

**3.5. Unemployed by registration with National Employment Service, by sex, region and type of settlement, 2017 (in thous.)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>435.2</b>	<b>106.7</b>	<b>102.1</b>	<b>125.5</b>	<b>100.8</b>	...	<b>282.0</b>	<b>153.1</b>
<b>According to NES records</b>								
Registered with NES and receive allowance	8.1	1.5	2.3	3.2	1.0	...	5.6	2.6
Registered with NES and do not receive allowance	323.6	70.8	71.8	99.6	81.4	...	205.1	118.5
Not registered	103.5	34.3	27.9	22.8	18.4	...	71.3	32.1
<b>Male</b>	<b>230.5</b>	<b>56.2</b>	<b>55.1</b>	<b>65.7</b>	<b>53.5</b>	...	<b>149.6</b>	<b>80.8</b>
<b>According to NES records</b>								
Registered with NES and receive allowance	4.8	/	1.7	1.8	/	...	3.3	1.5
Registered with NES and do not receive allowance	162.9	34.8	36.8	49.8	41.5	...	103.0	59.9
Not registered	62.8	20.6	16.5	14.1	11.6	...	43.3	19.5
<b>Female</b>	<b>204.7</b>	<b>50.5</b>	<b>47.0</b>	<b>59.8</b>	<b>47.4</b>	...	<b>132.4</b>	<b>72.3</b>
<b>According to NES records</b>								
Registered with NES and receive allowance	3.3	/	/	1.4	/	...	2.2	1.1
Registered with NES and do not receive allowance	160.7	36.0	35.0	49.8	39.9	...	102.2	58.6
Not registered	40.7	13.7	11.4	8.7	6.8	...	28.0	12.7



Inactive





#### 4.1. Inactive by age group, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>2754.9</b>	<b>634.8</b>	<b>762.6</b>	<b>739.3</b>	<b>618.2</b>	...	<b>1680.3</b>	<b>1074.6</b>
15–24 years	513.3	115.9	133.2	149.8	114.4	...	319.6	193.7
25–34	173.9	38.5	48.1	44.7	42.6	...	108.1	65.8
35–44	133.3	26.5	40.3	34.7	31.8	...	73.6	59.8
45–54	186.9	37.3	56.7	52.0	40.9	...	104.5	82.4
55–64	530.2	122.0	156.6	140.9	110.8	...	331.3	199.0
65 +	1217.2	294.6	327.7	317.2	277.6	...	743.2	474.0
<b>Males</b>	<b>1090.8</b>	<b>255.3</b>	<b>297.0</b>	<b>287.8</b>	<b>250.7</b>	...	<b>676.4</b>	<b>414.5</b>
15–24 years	240.6	56.1	63.1	69.3	52.1	...	155.7	84.9
25–34	61.7	15.1	16.2	14.8	15.6	...	40.6	21.1
35–44	44.7	9.7	12.7	11.6	10.8	...	26.1	18.6
45–54	63.4	13.1	20.1	15.7	14.5	...	36.5	26.9
55–64	193.2	44.1	56.5	49.3	43.3	...	120.3	72.9
65 +	487.2	117.2	128.5	127.1	114.4	...	297.1	190.1
<b>Females</b>	<b>1664.1</b>	<b>379.4</b>	<b>465.6</b>	<b>451.5</b>	<b>367.5</b>	...	<b>1003.9</b>	<b>660.2</b>
15–24 years	272.7	59.8	70.1	80.6	62.3	...	163.9	108.8
25–34	112.2	23.4	31.9	29.9	27.0	...	67.5	44.7
35–44	88.6	16.8	27.7	23.1	21.0	...	47.4	41.2
45–54	123.5	24.1	36.7	36.3	26.4	...	68.0	55.5
55–64	337.0	77.9	100.1	91.6	67.5	...	210.9	126.1
65 +	730.0	177.4	199.3	190.1	163.2	...	446.2	283.9

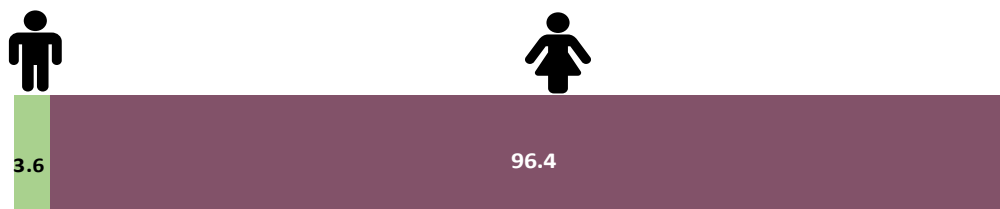
#### 4.2. Inactive by educational attainment, sex, region and type of settlement, 2017 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever			Srbija – jug		Type of settlement	
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
<b>Total</b>	<b>2754.9</b>	<b>634.8</b>	<b>762.6</b>	<b>739.3</b>	<b>618.2</b>	...	<b>1680.3</b>	<b>1074.6</b>
No formal education	77.4	8.5	20.3	24.6	24.1	...	27.1	50.3
Low	1135.0	176.3	325.8	336.0	296.8	...	533.6	601.3
Medium	1227.5	325.3	343.8	316.2	242.1	...	848.8	378.6
High	315.0	124.7	72.7	62.6	55.1	...	270.7	44.3
<b>Males</b>	<b>1090.8</b>	<b>255.3</b>	<b>297.0</b>	<b>287.8</b>	<b>250.7</b>	...	<b>676.4</b>	<b>414.5</b>
No formal education	12.5	2.2	4.1	2.2	4.1	...	4.9	7.6
Low	385.6	57.8	104.1	117.0	106.7	...	175.5	210.1
Medium	546.1	138.1	156.9	139.3	111.8	...	371.2	174.9
High	146.6	57.2	31.9	29.3	28.2	...	124.8	21.9
<b>Females</b>	<b>1664.1</b>	<b>379.4</b>	<b>465.6</b>	<b>451.5</b>	<b>367.5</b>	...	<b>1003.9</b>	<b>660.2</b>
No formal education	64.9	6.3	16.2	22.4	20.0	...	22.2	42.7
Low	749.4	118.5	221.7	219.0	190.2	...	358.1	391.2
Medium	681.4	187.2	186.9	176.9	130.4	...	477.6	203.8
High	168.4	67.5	40.8	33.3	26.9	...	145.9	22.5

#### 4.3. Inactive by possibility to get employed, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever		Srbija – jug		
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Inactive</b>	<b>2754,9</b>	<b>1090,8</b>	<b>1664,1</b>	<b>634,8</b>	<b>762,6</b>	<b>739,3</b>	<b>618,2</b>	...
<b>By possibilities to get employed</b>								
<b>Desire and able to work</b>	<b>282,6</b>	<b>136,1</b>	<b>146,6</b>	<b>61,1</b>	<b>73,7</b>	<b>75,0</b>	<b>72,9</b>	...
<b>Desire. but cannot work due to:</b>	<b>115,3</b>	<b>39,1</b>	<b>76,2</b>	<b>30,4</b>	<b>30,6</b>	<b>26,3</b>	<b>28,0</b>	...
Schooling or training	33,9	16,2	17,6	9,1	6,8	7,9	10,0	...
Personal or family reasons	44,1	5,2	38,9	11,2	12,2	11,0	9,7	...
Own illness	25,5	12,1	13,4	7,5	7,0	5,1	5,9	...
Other reasons	11,8	5,6	6,2	2,6	4,5	2,3	2,4	...
<b>Do not want to work due to personal reasons</b>	<b>1803,0</b>	<b>705,7</b>	<b>1097,3</b>	<b>412,1</b>	<b>516,4</b>	<b>485,4</b>	<b>389,1</b>	...
Expecting to resume previous job (temporarily dismissed)	1,6	/	/	/	/	/	/	...
Illness or disability	337,6	143,0	194,6	68,7	104,3	89,4	75,2	...
Care of children or adult disabled persons	53,7	2,0	51,7	9,0	17,6	16,6	10,5	...
Other personal or family reasons	104,6	14,1	90,5	21,8	33,2	30,9	18,8	...
Schooling or training	442,1	208,3	233,7	101,7	114,3	131,0	95,0	...
Retired	752,4	301,4	451,1	192,0	211,4	185,6	163,5	...
Discouraged in possible finding job	68,4	19,7	48,7	11,7	18,0	20,7	17,9	...
Other reasons	42,6	16,2	26,4	7,1	17,1	10,8	7,6	...
<b>Inactive persons aged 75 and over</b>	<b>553,9</b>	<b>209,9</b>	<b>344,0</b>	<b>131,2</b>	<b>141,9</b>	<b>152,7</b>	<b>128,2</b>	...

Graph. 19. Inactive not seeking employment because they take care of children or of adult persons with disability, by sex, 2017 (%)



#### 4.4. Inactive by previous work experience, income sources, sex and region, 2017 (in thous.)

	Republic of Serbia							
	Total	Sex		Srbija – sever		Srbija – jug		
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Total</b>	<b>2754.9</b>	<b>1090.8</b>	<b>1664.1</b>	<b>634.8</b>	<b>762.6</b>	<b>739.3</b>	<b>618.2</b>	...
<b>By previous work experience</b>								
Had previous work experience	1906.8	813.1	1093.7	464.1	540.5	486.7	415.6	...
No work experience	848.1	277.7	570.3	170.6	222.2	252.7	202.6	...
<b>By main income sources</b>								
Salary/pension of spouse/parent/other household members	1031.1	365.5	665.5	214.8	291.8	293.8	230.6	...
Support from other relatives/friends	42.4	18.5	23.9	9.8	10.0	13.7	8.8	...
Own pension entitlement	1477.2	604.2	873.0	373.7	399.7	380.5	323.3	...
Unemployment insurance	11.4	7.2	4.2	2.4	2.9	3.8	2.3	...
Student grant/student loan	4.0	1.4	2.6	1.7	1.3	/	/	...
Occasional jobs/small-range agricultural production	45.6	33.8	11.8	7.5	9.6	13.8	14.8	...
Welfare	97.5	37.7	59.8	14.2	32.6	21.4	29.3	...
Parent allowance	4.3	/	3.6	/	1.5	/	/	...
Receipts from rents/interest/dividend	7.5	3.5	4.0	1.8	3.6	1.2	0.8	...
Personal savings	17.1	9.9	7.2	4.5	4.5	4.4	3.6	...
Credits or borrowings	/	/	/	-	/	-	-	...
Aid from humanitarian or religious organizations	/	/	/	/	-	/	/	...
Other	16.5	8.1	8.4	3.0	5.1	5.4	3.0	...

#### 4.5. Part-time underemployed and potential additional labour force, 15-74 years, 2017 (in thous.)

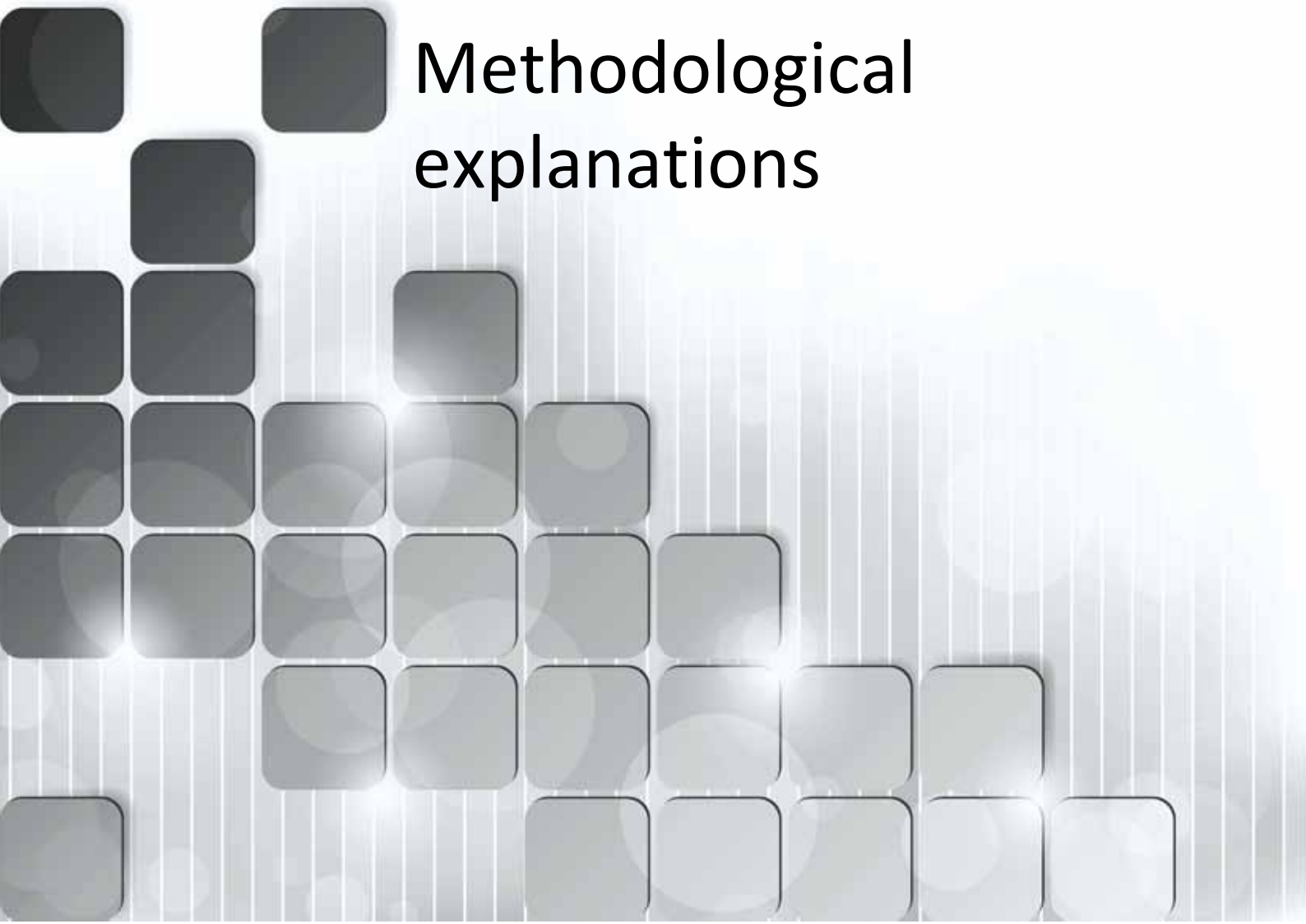
	Republic of Serbia							
	Total	Sex		Srbija – sever			Srbija – jug	
		Male	Female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
<b>Total</b>	<b>457.6</b>	<b>239.1</b>	<b>218.5</b>	<b>96.0</b>	<b>127.6</b>	<b>124.9</b>	<b>109.1</b>	...
<b>Part-time underemployed<sup>1</sup></b>	<b>161.7</b>	<b>97.5</b>	<b>64.2</b>	<b>32.1</b>	<b>49.1</b>	<b>46.5</b>	<b>33.9</b>	...
<b>Potential additional labour force<sup>2</sup></b>	<b>295.9</b>	<b>141.6</b>	<b>154.3</b>	<b>63.8</b>	<b>78.5</b>	<b>78.4</b>	<b>75.2</b>	...
Seeking work but not immediately available <sup>3</sup>	14.6	6.4	8.2	2.9	5.4	3.8	2.5	...
Available to work but not seeking <sup>4</sup>	281.3	135.2	146.2	60.9	73.0	74.6	72.7	...
Out of which:								
Discouraged persons	92.0	46.5	45.5	16.2	22.3	24.3	29.2	...

<sup>1</sup> Includes persons working part-time who wish to work additional hours and are available to do so.

<sup>2</sup> Includes inactive persons who are in some manner connected to the labour market.

<sup>3</sup> Includes the persons neither employed nor unemployed who actively sought work during the last 4 weeks but are not available to work in the next 2 weeks. For completeness this category also includes three smaller groups: those who found a job to start in less than 3 months and are not available to work in the next 2 weeks; those who found a job to start in 3 months or more; those who passively sought work during the last 4 weeks and are available to work in the next 2 weeks. Passive job search is e.g. waiting the results of a job interview.

<sup>4</sup> Includes persons neither employed nor unemployed who want to work, are available to work in the next 2 weeks but do not seek work.



# Methodological explanations



## METHODOLOGICAL EXPLANATIONS

Labour Force Survey is a survey envisaged to collect the data on the main characteristics of labour force, based on which we estimate the total labour force in the country. The principal objective of the study is to provide for the data on three main, mutually exclusive and independent contingents of population: employed, unemployed and inactive persons. The collected data are used to measure and to assess the economic and social trends in the Republic of Serbia.

The survey results are given in aggregated form and in this way, pursuant the Official Statistics Law (Official gazette of RS, No 104/09), the confidentiality of individual data on households and persons is fully ensured.

### Unit of interview

Unit of interview is any member of random selected household. The basic socio-demographic data were collected for all members of the selected households, however for the working activity we surveyed only persons aged 15 and over.

### Period of observation

Starting from 2015, LFS is envisaged to be implemented as a continuous survey. Each week in a year is regarded as the observed, i.e. referent week. The period of interview is anticipated to last two weeks after the referent week. For each household in the sample the referent week is specified. As one household appears four times in the sample, the interval between two successive appearances in the sample, i.e. interviews, cannot be shorter than three months.

The period of observation for the first quarter included 13 referent weeks and lasted from 2 January 2017 to 2 April 2017, and the period of interviews for the whole quarter extended from 9 January 2017 to 16 April 2017.

For the second quarter the period of observation included 13 referent weeks – from 3 April to 2 July 2017. The period of surveying for the whole quarter extended from 10 April to 16 July 2017.

For the third quarter the period of observation included 13 referent weeks – from 3 July to 1 October 2017, while the period of interviews for the whole quarter extended from 10 July to 15 October 2017.

For the fourth quarter the period of observation included 13 referent weeks – from 2 October 2017 to 31 December 2017, while the period of interviews for the quarter extended from 9 October 2017 to 14 January 2018.

For the purpose of Labour Force Survey, **week** is defined as a seven-day period of time, extending from Monday to Sunday inclusive.

### Definitions

In preparing the methodology for the Survey we used the definitions and recommendations published in the methodological papers of Eurostat: Council Regulation (EC) No 577/98, Regulation (EC) No 1991/2002, Council Regulation (EC) No 377/2008 and 2257/2003 of the European Parliament and of the Council, Commission Regulation (EC) No 1897/2000, and other.

Under the term **household** we anticipate: **a)** any family or other community of persons who declare to live together and jointly spend their income for basic living support (costs of housing, food, etc.), regardless the fact whether in the time of interview all the members appear in the place where the household is situated; **b)** every person who lives on his / her own (single-person household) and is not member of any other household in some



other place, a person living in a separate or divided dwelling, or as a tenant, regardless whether he/she lives in the same room with another tenant or with the members of the lessor's household; however this person does not spend income jointly with them but only pays for the housing.

**Employed** are the persons that in the week observed at least for an hour did some work for compensating (in money or in kind), as well as the persons with job (i.e. employed persons) who in the respective week were absent from work. Apart from the persons who contracted employment and work with enterprises, institutions or other organizations or are active within private unincorporated enterprises, here included are individual farmers, unpaid family workers/supporting household members, as well as the persons who found and made agreement (verbally or in written) on casual job conduct without contracting employment, and to whom the subject jobs were the only source of subsistence. Therefore, the Survey does not relate to the formal employment status of the surveyed persons, but the working/employment status is determined based on the real activity that interviewed persons practiced in the respective week.

Pursuant to the Classification of occupational status of employed persons, the following categories are defined: self-employed, employees and unpaid family workers.

**Self-employed** are the persons who work as sole proprietors of enterprises, institutions, private shops or agricultural holdings, as well as the persons who maintain individual professional practice or some other activity for their own account.

**Employees** are the persons who work with their employers in any ownership sector, either according to formal contract of employment or based on verbal agreement. As employees we assume household members that render their support in running family business and who are paid for their work.

**Unpaid family workers (supporting household members)** are the persons who provide support to another family member in running family business or agricultural holding, however receive no remuneration for this.

**Unemployed persons** are the persons who in the respective week did no work for remuneration, who undertook active steps to find a job during the four weeks preceding the referent week, and who were able to start working within two-week time after the referent week. Unemployed are also the persons who undertook no active steps to find a job during the previous four weeks, since they had already found a job and were about to start working after the referent week, however within the next three months latest.

**Active population (labour force)** includes all employed and unemployed persons.

**Inactive population** consists of the population aged 15 and over who were not categorized under employed or unemployed population. Inactive population encompasses students, pensioners, persons doing housework, as well as other persons who, in the respective week, did no work for remuneration, undertook no active steps to find a job, nor were able to start working within two-week time after the respective week.

**Potentially active population (potential labour force)** includes the persons who take active steps to find job but cannot start working at once, i.e. within two weeks, as well as the persons who can immediately start working but do not take active steps to find job. Here included are also so called 'discouraged persons', who do not undertake steps to find job because they are convinced they cannot find one, although they could start working immediately in the case a job was offered.

**Subjective employment status** presents the employment status of a surveyed person according to his/her own opinion and not according to his/her actual activity in the week observed.

**Activity rate** presents the percentage share of active population in the total population aged 15 and over.

**Employment rate** presents the percentage share of employed population in the total population aged 15 and over.

**Unemployment rate** presents the percentage share of unemployed population in the total number of active population aged 15 and over.

**Inactivity rate** is the percentage share of inactive population in the total population aged 15 and over.

**Informal employment rate** represents the percentage share of persons working without formal contract in the total number of employment. This category includes the employed in unregistered companies, the employed in registered companies but without formal contract and without paying social and pension contributions, as well as unpaid family workers

## Classifications

For coding and processing the data collected by this survey, the following classifications were used:

1. **Classification of activities of the European Union (NACE, rev. 2)**, which is comparable to the UN classification of activities, (*ISIC – rev. 4*);
2. **International standard Classification of occupations, ISCO – 08;**
3. **International Standard Clasficiation of education ISCED – 2011;**
4. **Classification of fields of education( ISCED-F – 2013), which complements the International Standard Classification of education ISCED-2011)**
5. **International classification of status in employment ISCE-93**

## Sample design

**Target population** - Households and persons referring to the “usual population” that reside in the territory of the Republic of Serbia without the Region of Kosovo and Metohia. Excluded are persons in collective households (students’ and pupils’ dormitories, homes for children and youth with disabilities, homes for socially vulnerable children, homes for pensioners, retirement nursing homes care , homes for adult disabled persons, monasteries.

**Type of sample** – Two-stage, stratified sampling approach. The first stage units are enumeration areas and the second stage units are households.

**Stratification** – Enumeration areas, as primary sampling units, are stratified by the type of settlement (urban and other) and by territory at the NUTS 3 level (25 areas: Beogradska, Zapadnobačka, Južnobanatska, Južnobačka, Severnobanatska, Severnobačka, Srednjobanatska, Sremska, Zlatiborska, Kolubarska, Mačvanska, Moravička, Pomoravska, Rasinska, Raška, Šumadijska, Borska, Braničevska, Zaječarska, Jablanička, Nišavska, Pirotka, Podunavska, Pčinjska and Toplička oblast).

**Sampling frame** – The 2011 Serbian Population Census frame was used for the selection of the enumeration areas and households. It was formed by excluding all enumeration areas with 19 or less households. In this way frame was reduced by about 1.5%.

**Sample size** – The target sample size is 70200 households in 7020 enumeration areas. The sample was increased in 2017 due to the transition to the continuous periodicity of the survey in 2015 and the requirement that sample could be balanced over weeks and geographical areas.

**Sample allocation** – Proportional allocation based on the number of persons aged 15 and over, within the type of settlement and territory, was slightly corrected in order to ensure better precision of estimates at the level of area and uniform distribution of the sample in the time. Each subsample allocated for the quarter was randomly and uniformly distributed to 13 weeks for all four quarters. In 2017 observed were 52 weeks.

**Sample selection** – The sample for 2017 consists of 9 independent subsamples, selected according to the same sample scheme. The first stage units (enumeration areas) are selected systematically with probability proportional to the number of population aged 15 and over. Within each stratum enumeration areas were sorted according to the municipality they belong to and the order number within the municipality. This systematic selection provided high level of implicit geographic stratification and ensured effective sample distribution. The second stage units (households) were selected with equal probabilities (simple random selection).

**Rotation scheme** – Labour Force Survey is based on the rotating panel design, by which each household participate in the sample for four times. The rotating scheme 2-2-2 was applied. For each quarter four subsamples (rotating groups) are allocated. Each quarter (Q) in the sample is included: one new rotating group, two rotating groups from the previous quarter (Q-1) and one rotating group from Q-3 quarter. Based on the applied rotating scheme, each household and person selected in the sample will be interviewed 4 times within 18 months, i.e. each household and person is in the sample for two consecutive quarters, then for two quarters out of the sample and again for two consecutive quarters in the sample.

**Sample realization** – The total of 130284 persons were interviewed, and data on working activity were collected for 113990 persons, which makes 1.9% of the total number of population aged 15 and over.

**Estimation** – In order to obtain representative results of the observed general population, sample weights were appended for each household and person in the sample. The major component of the weight is the reciprocal value of the product of the probabilities of selection at every stage in each sampling stratum and represents base weight (design weight). The second component of the weight takes into account the level of non-response for the household. After the completion of fieldwork, response rates were calculated. These were used to adjust the design weights calculated for each enumeration area. The final weight for a person and household is calculated on the basis of the corrected weight for a household by calibration.

Calibration is a procedure which adjusts the sampling weights by factors (calibration factors) so that the obtained estimates agree with known totals. Calibration is a practical approach of incorporating auxiliary information in the phase of estimation, which serves to correct deviations of certain contingents of samples that cannot be avoided during field work. For every quarter, the data obtained on the basis of current demographic estimations are used as auxiliary information.

Requirements which have to be met in calculation of calibration factors are the following: distribution of population according to gender (two groups) by five-year age groups (14 groups), at the level of territory (level NUTS 3) and distribution of household according to number of household members (six groups), at the level of territory, provided that a household and each person from the relevant household have the same final weight, which assures consistent estimates on the basis of households and on the basis of persons.

Estimates of totals, proportions, as well as errors thereof, are calculated for various indicators. In the dissemination phase it is not possible to publish each estimate with its sampling error. In order to provide users to evaluate the precision of the estimate, approximate values of sampling errors have been calculated based on regression model. In methodology of this Survey, users can find on the following link <http://pod2.stat.gov.rs/ObjavljenePublikacije/G2017/pdfE/G20177069.pdf>, approximate values of coefficients of variations for quarterly estimates of totals and annual averages in tables 1 and 2, including instruction for using the tables.

#### Symbols:

–	= No occurrence
...	= No data available
/	= Small number phenomena – estimate not released
1)	= Note/footnote in tables

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