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Labour Force Survey in
The Republic of Serbia, 2018

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Bulletin – LABOUR FORCE SURVEY IN THE REPUBLIC OF SERBIA, 2018

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PREFACE

The Statistical Office of the Republic of Serbia communicates the results of the Labour Force Survey 2018.

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, 2019

Director
Dr Miladin Kovačević

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ANNUAL RESULT ANALYSIS OF THE LABOR FORCE SURVEY, 2018.

In 2018, employment was increased by 38 200 (or 1.4%) in comparison to 2017, and it amounted to 2 832 900. Interannual employment growth in 2018 is half of the growth recorded in 2017, when it amounted to 75 300 (i.e. 2.8%).

The employment rate has reached 47.6%, which is by 0.9 percentage points (p. p.) more than the rate recorded in 2017.

The employment growth has affected both unemployment and inactivity decrease.

The unemployment rate amounted to 12.7%, representing a drop by 0.8 p.p. compared to 2017, thus continuing the trend of unemployment decrease that started in 2013. The number of the unemployed amounted to 412 200 and it is by 23 000 less compared to the previous year.

The inactivity rate has also shown constant decrease since 2013, reaching 45.5% in 2018.

The number of inactive persons amounted to 2 710 000, which is less by 44 900 compared to 2017.

Growth of formal and drop of informal employment

Compared to 2017, formal employment has increased by 2.9%, amounting to 2 279 100. The growth of formal employment was most present in the sectors of the processing industry, construction, accommodation and catering services and administrative and support service activities, which is compliant to the registered employment trends according to the records of the Central Register of compulsory social insurance.

Informal employment, which amounted to 553 800 persons, has been reduced by 25 400 (or 4.4%) compared to 2017. The informal employment rate has dropped to 19.5%. The majority of the informally employed was noted in the age group 25–54 and with the self-employed without workers.

More employees on indefinite time period and definite time period, and the increase of total full-time employment

The number of employees (working from an employer) in 2018 amounted to 2 032 700, where 1 564 800 are employed on indefinite time period, and 467 900 are employed on definite time period, occasional or seasonal jobs. The number of employees on indefinite time period is greater by 67 300, the number of employees on definite time period is greater by 34 700, while the number of workers employed on seasonal and occasional jobs has reduced by 9 500 compared to 2017.

The number of full-time employed has increased by 2.8% compared to 2017, reaching the number of 2 153 300. In the same period, the number of part-time employees has reduced by 29 800 (i.e. 8.5%), amounting to 319 600. The majority of part-time employed were recorded in the age group 55+.

Employment decrease in agriculture

In 2018, and in the previous year, there was decrease of employment in agricultural activities including the activity sectors of agriculture, forestry and fishing, as well as a part of the households sector producing goods and services for own needs that refer to the agricultural production.

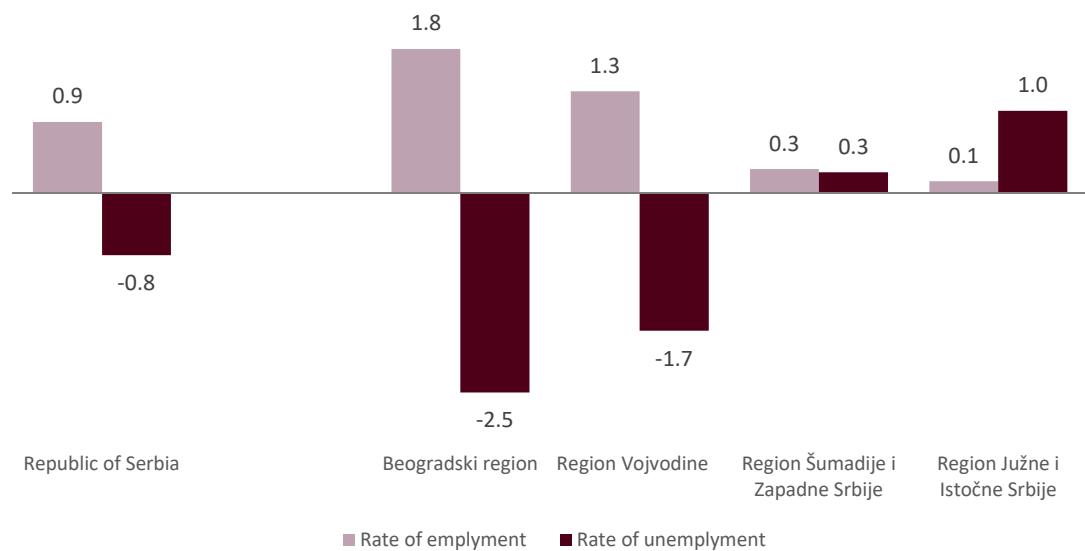
Accordingly, the number of employees with occupations: farmer, foresters, fishermen and such, is less by 49 200, i.e. by 9.1% compared to 2017.



Employment rate is the lowest in the Region of South and East Serbia

While in the Belgrade Region and the Region of Vojvodina there was an increase in the employment and decrease of unemployment compared to 2017, there were no essential changes on the labor market in the Region of Šumadija and West Serbia. At the same time, in the Region of South and East Serbia, where the employment rate is usually the lowest, there was additional growth of unemployment, while the number of the employed stagnated.

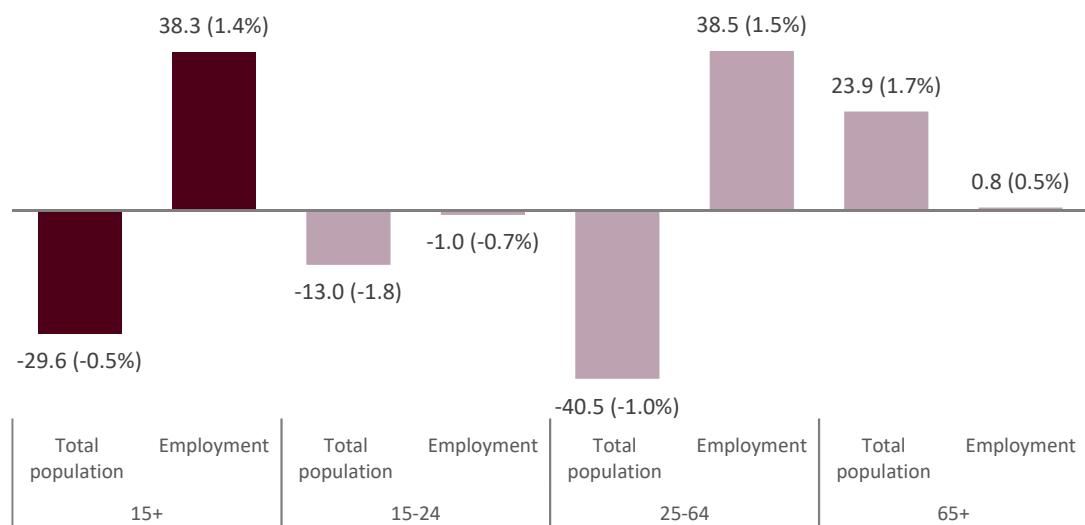
Change of employment and unemployment rates by regions, 2018 (in p. p.)



The biggest employment growth in the age category 25–54

The employment growth, compared to 2017, dominantly refers to the age group 25–54, where the number of employed in 2018 was higher by 36 700 (or 1.8%). The employment rate of this population amounted to 73.1%. The employment growth effected the decrease of unemployment (18 300) and inactivity (by 39 400) with this population category. The inactivity rate was low and amounted to 16.2%, which is reasonable having in mind that the most active working population belongs to this age group.

Changes of total population and employment by age groups, 2018 (in thousands)



Position of the young on the labor market

The contingent of young people, aged 15 to 24, continues to decrease in 2018 by 12 900, i.e. by 1.8% compared to 2017.

The number of active young people compared to the previous year has reduced by 8 500, i.e. 3.8%. The activity rate amounted to 30%, where the activity rate of men was 36.3%, which is by 13 p. p. more than the activity rate of women of the same age.

Compared to the previous year, employment of the young did not change much. The number of employed amounted to 153 400, and the employment rate was 21.1%. The youth unemployment rate amounted to 29.7% and less than the rate in the previous year by 2.2 p. p.

Observed by regions, the greatest youth unemployment rate, 38.9%, was recorded in the Region of South and East Serbia, while the lowest rate of 23.0% was registered in the Region of Vojvodina.

The youth inactivity rate amounted to 70.0%, and it is greater by 0.6 p.p. compared to 2017. Such high inactivity rate of the young is a consequence of their active education. As much as 67.4% of them were at school or training in the previous four weeks.

The NEET rate (representing the share of young people who do not either work or study in the total population of the young aged 15–24) amounted to 16.5%, where this rate is greater with women (by 1 p. p.) in comparison to men. Compared to the previous year, this rate is less by 0.7 p. p.

The early school-leavers rate, or the percentage of the young aged 18–24 with completed elementary school as their highest qualification, who did not continue further education, amounted to 6.8%, which is by 0.6 p. p. more than in 2017.

Conclusion

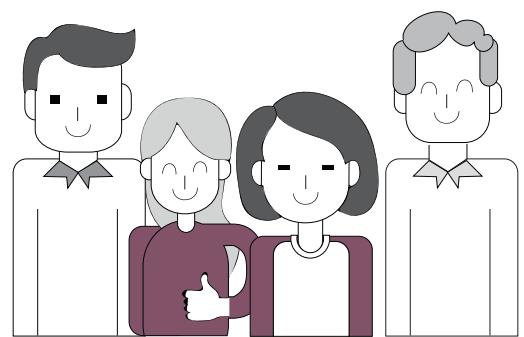
Generally, the interannual employment growth in 2018 refers to formal employment, and primarily employment on indefinite time period.

Although there is a decline in total population of the age category 25-54, the most significant employment growth was recorded exactly in this category.

With youth (aged 15–24), there was a decline in total population, with a reduction of activity and unemployment, while employment remained almost unchanged.

The least employment rate and the highest unemployment rate were recorded in the Region of South and East Serbia.

1



Population aged 15 and over

1.1. Basic contingents of work source by age groups, 2018/2017

	2018 (in thous.)	2017 (in thous.)	Changes in relation to the previous year	
			(in thous.)	%
Population aged 15 and over	5955,1	5984,7	-29,6	-0,5
Active	3245,1	3229,8	15,3	0,5
Employed	2832,9	2794,7	38,3	1,4
Unemployed	412,2	435,2	-23,0	-5,3
Inactive	2710,0	2754,9	-44,9	-1,6
Young-age population (15–24)	727,1	740,0	-13,0	-1,8
Active	218,2	226,7	-8,5	-3,8
Employed	153,4	154,4	-1,0	-0,7
Unemployed	64,8	72,3	-7,5	-10,4
Inactive	508,9	513,3	-4,4	-0,9
Working-age population (15–64)	4565,0	4618,5	-53,5	-1,2
Active	3096,4	3080,8	15,6	0,5
Employed	2685,4	2647,9	37,5	1,4
Unemployed	411,0	432,9	-21,9	-5,1
Inactive	1468,6	1537,7	-69,0	-4,5

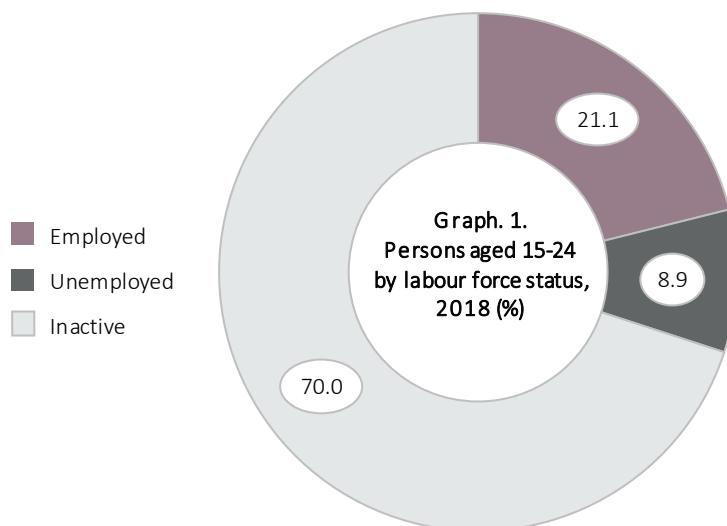
1.2. Rates of activity, employment, unemployment and inactivity by age groups, 2018/2017

	2018 %	2017 %	Changes in relation to the previous year	
				in percentages, points
Population aged 15 and over				
Rate of activity	54,5	54,0	0,5	
Rate of employment	47,6	46,7	0,9	
Rate of unemployment	12,7	13,5	-0,8	
Rate of inactivity	45,5	46,0	-0,5	
Young-age population (15–24)				
Rate of activity	30,0	30,6	-0,6	
Rate of employment	21,1	20,9	0,2	
Rate of unemployment	29,7	31,9	-2,2	
Rate of inactivity	70,0	69,4	0,6	
Working-age population (15–64)				
Rate of activity	67,8	66,7	1,1	
Rate of employment	58,8	57,3	1,5	
Rate of unemployment	13,3	14,1	-0,8	
Rate of inactivity	32,2	33,3	-1,1	

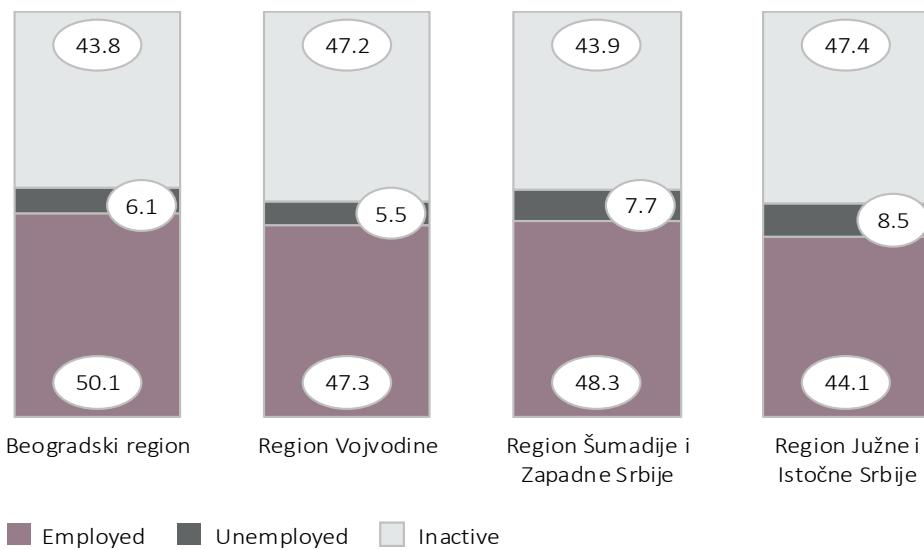


1.3. Population by activity status, age groups, region and type of settlement, 2018

	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
Population aged 15 and over (in thous.)								
Active	3245,1	807,7	842,0	927,1	668,2	...	1902,0	1343,1
Employed	2832,9	720,0	753,9	799,0	560,0	...	1636,5	1196,4
Unemployed	412,2	87,7	88,1	128,1	108,2	...	265,4	146,8
Inactive	2710,0	628,9	752,4	725,9	602,7	...	1644,0	1066,0
Rate of activity (%)	54,5	56,2	52,8	56,1	52,6	...	53,6	55,8
Rate of employment (%)	47,6	50,1	47,3	48,3	44,1	...	46,2	49,7
Rate of unemployment (%)	12,7	10,9	10,5	13,8	16,2	...	14,0	10,9
Rate of inactivity (%)	45,5	43,8	47,2	43,9	47,4	...	46,4	44,2
Young-age population (15–24) (in thous.)								
Active	218,2	41,8	65,2	63,0	48,3	...	109,8	108,4
Employed	153,4	31,8	50,2	41,9	29,5	...	73,2	80,2
Unemployed	64,8	10,0	15,0	21,0	18,8	...	36,6	28,2
Inactive	508,9	118,5	131,9	146,7	111,8	...	325,9	183,0
Rate of activity (%)	30,0	26,1	33,1	30,0	30,2	...	25,2	37,2
Rate of employment (%)	21,1	19,8	25,5	20,0	18,4	...	16,8	27,5
Rate of unemployment (%)	29,7	23,9	23,0	33,4	38,9	...	33,4	26,0
Rate of inactivity (%)	70,0	73,9	66,9	70,0	69,8	...	74,8	62,8
Working-age population (in thous.) (15–64)								
Active	3096,4	788,9	820,9	860,2	626,4	...	1866,1	1230,3
Employed	2685,4	701,9	733,1	732,2	518,3	...	1601,4	1084,0
Unemployed	411,0	87,0	87,8	128,0	108,2	...	264,7	146,3
Inactive	1468,6	326,7	418,9	400,3	322,7	...	886,4	582,2
Rate of activity (%)	67,8	70,7	66,2	68,2	66,0	...	67,8	67,9
Rate of employment (%)	58,8	62,9	59,1	58,1	54,6	...	58,2	59,8
Rate of unemployment (%)	13,3	11,0	10,7	14,9	17,3	...	14,2	11,9
Rate of inactivity (%)	32,2	29,3	33,8	31,8	34,0	...	32,2	32,1



Graph. 2. Structure of employment, unemployment and inactivity by regions, 2018 (%)



Graph. 3. Structure of employment, unemployment and inactivity by sex, 2018 (%)



1.4. Males by activity status, age groups, region and types of settlements, 2018

	Republic of Serbia							
	Srbija – sever			Srbija – jug		Type of settlement		
Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other	
Aged 15 and over								
(in thous.)	2872,5	667,6	770,1	809,0	625,9	...	1667,8	1204,7
Active	1805,4	420,7	480,3	521,6	382,8	...	1015,5	790,0
Employed	1590,1	377,9	433,4	455,5	323,2	...	878,9	711,2
Unemployed	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
Inactive	1067,1	247,0	289,8	287,4	243,0	...	652,3	414,8
Rate of activity (%)	62,9	63,0	62,4	64,5	61,2	...	60,9	65,6
Rate of employment (%)	55,4	56,6	56,3	56,3	51,6	...	52,7	59,0
Rate of unemployment (%)	11,9	10,2	9,8	12,7	15,6	...	13,5	10,0
Rate of inactivity (%)	37,1	37,0	37,6	35,5	38,8	...	39,1	34,4
Young age (15–24)								
(in thous.)	374,4	81,8	101,8	107,7	83,1	...	225,9	148,6
Active	135,9	24,8	40,9	38,9	31,3	...	68,0	67,9
Employed	97,4	18,5	32,1	26,8	20,0	...	44,9	52,6
Unemployed	38,5	6,2	8,8	12,1	11,3	...	23,1	15,3
Inactive	238,5	57,0	60,9	68,8	51,8	...	157,9	80,6
Rate of activity (%)	36,3	30,3	40,2	36,1	37,7	...	30,1	45,7
Rate of employment (%)	26,0	22,7	31,5	24,8	24,1	...	19,9	35,4
Rate of unemployment (%)	28,3	25,1	21,6	31,2	36,0	...	34,0	22,6
Rate of inactivity (%)	63,7	69,7	59,8	63,9	62,3	...	69,9	54,3
Working age (15–64)								
(in thous.)	2278,8	536,2	623,9	635,2	483,5	...	1342,0	936,7
Active	1710,2	408,3	465,3	480,1	356,6	...	991,4	718,8
Employed	1495,7	366,1	418,5	414,0	297,1	...	855,3	640,4
Unemployed	214,5	42,2	46,8	66,1	59,6	...	136,1	78,5
Inactive	568,5	127,9	158,6	155,1	126,9	...	350,6	217,9
Rate of activity (%)	75,1	76,1	74,6	75,6	73,8	...	73,9	76,7
Rate of employment (%)	65,6	68,3	67,1	65,2	61,4	...	63,7	68,4
Rate of unemployment (%)	12,5	10,3	10,1	13,8	16,7	...	13,7	10,9
Rate of inactivity (%)	24,9	23,9	25,4	24,4	26,2	...	26,1	23,3

1.5. Female population by status of activity, age groups, region and type of settlements, 2018

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Aged 15 and over								
(in thous.)	3082,6	769,0	824,4	844,1	645,1	...	1878,2	1204,4
Active	1439,7	387,1	361,7	405,5	285,4	...	886,5	553,2
Employed	1242,9	342,1	320,5	343,6	236,7	...	757,6	485,2
Unemployed	196,8	45,0	41,2	62,0	48,6	...	128,8	68,0
Inactive	1642,9	382,0	462,7	438,6	359,7	...	991,7	651,2
Rate of activity (%)	46,7	50,3	43,9	48,0	44,2	...	47,2	45,9
Rate of employment (%)	40,3	44,5	38,9	40,7	36,7	...	40,3	40,3
Rate of unemployment (%)	13,7	11,6	11,4	15,3	17,0	...	14,5	12,3
Rate of inactivity (%)	53,3	49,7	56,1	52,0	55,8	...	52,8	54,1
Young age (15–24)								
(in thous.)	352,7	78,5	95,2	101,9	76,9	...	209,8	142,9
Active	82,3	17,0	24,2	24,1	17,0	...	41,8	40,5
Employed	55,9	13,2	18,1	15,2	9,4	...	28,3	27,6
Unemployed	26,3	3,8	6,2	8,9	7,5	...	13,5	12,9
Inactive	270,4	61,5	71,0	77,9	60,0	...	168,0	102,4
Rate of activity (%)	23,3	21,7	25,4	23,6	22,1	...	19,9	28,3
Rate of employment (%)	15,9	16,9	19,0	14,9	12,3	...	13,5	19,4
Rate of unemployment (%)	32,0	22,1	25,4	37,0	44,3	...	32,3	31,7
Rate of inactivity (%)	76,7	78,3	74,6	76,4	77,9	...	80,1	71,7
Working age (15–64)								
(in thous.)	2286,3	579,4	615,9	625,3	465,7	...	1410,5	875,8
Active	1386,2	380,6	355,6	380,1	269,8	...	874,7	511,5
Employed	1189,7	335,8	314,6	318,2	221,2	...	746,1	443,6
Unemployed	196,5	44,9	41,0	62,0	48,6	...	128,6	67,9
Inactive	900,1	198,8	260,3	245,1	195,9	...	535,8	364,3
Rate of activity (%)	60,6	65,7	57,7	60,8	57,9	...	62,0	58,4
Rate of employment (%)	52,0	57,9	51,1	50,9	47,5	...	52,9	50,7
Rate of unemployment (%)	14,2	11,8	11,5	16,3	18,0	...	14,7	13,3
Rate of inactivity (%)	39,4	34,3	42,3	39,2	42,1	...	38,0	41,6



1.6. Population by age groups, sex and activity, 2018 (in thous.)

	Total	Active	Employed	Unemployed	Inactive
Total	5955,1	3245,1	2832,9	412,2	2710,0
15–19 years	336,3	32,5	18,0	14,5	303,8
20–24	390,8	185,7	135,3	50,4	205,1
25–29	424,4	336,1	265,1	71,0	88,3
30–34	475,5	411,2	352,3	58,8	64,3
35–39	490,7	429,9	375,3	54,6	60,8
40–44	495,3	432,4	387,4	45,0	62,9
45–49	463,8	390,7	353,1	37,5	73,2
50–54	458,5	353,2	319,7	33,6	105,3
55–59	477,0	313,8	283,7	30,2	163,1
60–64	552,8	210,9	195,3	15,5	341,9
65–69	513,6	83,0	81,9	1,1	430,6
70–74	290,6	35,0	34,9	/	255,6
75 +	585,8	30,6	30,6	-	555,2
Male	2872,5	1805,4	1590,1	215,4	1067,1
15–19 years	172,9	21,0	12,0	9,0	151,9
20–24	201,5	114,9	85,4	29,5	86,6
25–29	217,2	186,0	150,5	35,4	31,2
30–34	242,2	225,1	195,7	29,4	17,1
35–39	249,5	231,9	205,7	26,2	17,6
40–44	249,4	228,8	204,9	23,9	20,6
45–49	230,8	205,7	187,9	17,8	25,0
50–54	224,2	187,5	172,4	15,1	36,7
55–59	229,3	173,6	156,6	17,0	55,7
60–64	261,6	135,7	124,5	11,2	125,9
65–69	235,1	51,9	51,1	/	183,2
70–74	126,8	22,9	22,8	/	103,8
75 +	231,9	20,4	20,4	-	211,5
Female	3082,6	1439,7	1242,9	196,8	1642,9
15–19 years	163,4	11,5	6,0	5,4	151,9
20–24	189,3	70,8	49,9	20,9	118,5
25–29	207,2	150,1	114,6	35,5	57,0
30–34	233,2	186,1	156,6	29,5	47,1
35–39	241,1	198,0	169,6	28,4	43,2
40–44	245,9	203,6	182,4	21,2	42,3
45–49	233,0	184,9	165,2	19,7	48,1
50–54	234,3	165,7	147,3	18,4	68,6
55–59	247,7	140,2	127,1	13,1	107,4
60–64	291,1	75,2	70,9	4,3	215,9
65–69	278,5	31,1	30,8	/	247,4
70–74	163,9	12,1	12,1	-	151,8
75 +	353,9	10,2	10,2	-	343,7

1.7. Population by education, sex and activity, 2018

	Total	Active	Employed	Unemployed	Inactive
Total (in thous.)	5955,1	3245,1	2832,9	412,2	2710
No formal education	78,9	6,6	5,5	1,1	72,3
Low	1651,6	536,7	472,2	64,5	1114,9
Medium	3074,9	1868,1	1611,8	256,3	1206,8
High	1149,8	833,7	743,5	90,2	316,1
Early school leavers (18–24) ¹⁾ (in thous.)	35,3	17,1	10,7	6,4	18,2
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)	119,6	58,8	-	58,8	60,8
Early school leavers (18–24) ²⁾ (%)	6,8	8,0	7,1	10,2	6,0
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)					
- rate (%)	16,5	27,0	-	90,8	11,9
Males (in thous.)	2872,5	1805,4	1590,1	215,4	1067,1
No formal education	14	1,8	1,5	/	12,2
Low	685,3	302,9	265,8	37,1	382,4
Medium	1649,9	1123,4	979,7	143,7	526,6
High	523,2	377,3	343,1	34,3	145,9
Early school leavers (18–24) ¹⁾ (in thous.)	18,2	11,6	7,0	4,6	6,6
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)	59,8	35,8	-	35,8	24,0
Early school leavers (18–24) ²⁾ (%)	6,8	8,7	7,3	12,2	4,9
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)					
- rate (%)	16,0	26,3	-	93,0	10,1
Females (in thous.)	3082,6	1439,7	1242,9	196,8	1642,9
No formal education	64,8	4,8	4,0	/	60
Low	966,3	233,8	206,4	27,4	732,4
Medium	1425	744,7	632,1	112,6	680,3
High	626,5	456,3	400,4	55,9	170,2
Early school leavers (18–24) ¹⁾ (in thous.)	17,1	5,5	3,7	1,8	11,6
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)	59,8	23,1	-	23,1	36,8
Early school leavers (18–24) ²⁾ (%)	6,8	6,8	6,6	7,2	6,8
Persons aged 15–24 that are not employed and not attending educational or training courses (NEETs)					
- rate (%)	17,0	28,0	-	87,5	13,6

¹⁾ Persons aged 18–24 with highest completed primary school, that do not attend education or training.

²⁾ Share of persons aged 18–24 whose highest level of completed education is primary education, that do not attend education or training in total population of that age.

1.8. Population by marital status, sex and labour force status, 2018 (in thous.)

	Total	Active	Employed	Unemployed	Inactive
Total	5955,1	3245,1	2832,9	412,2	2710,0
Unmarried	1693,4	980,5	772,7	207,9	712,9
Married	3259,5	2002,0	1828,3	173,8	1257,5
Widower / widow	710,0	88,1	82,3	5,7	622,0
Divorced	292,2	174,5	149,7	24,8	117,7
Males	2872,5	1805,4	1590,1	215,4	1067,1
Unmarried	976,5	625,4	498,9	126,6	351,1
Married	1627,3	1078,1	1002,5	75,5	549,2
Widower	151,9	26,5	24,4	2,1	125,3
Divorced	116,8	75,4	64,2	11,2	41,4
Females	3082,6	1439,7	1242,9	196,8	1642,9
Unmarried	716,9	355,1	273,8	81,3	361,8
Married	1632,2	923,9	825,7	98,2	708,2
Widower	558,2	61,5	57,9	3,7	496,6
Divorced	175,3	99,1	85,4	13,6	76,3



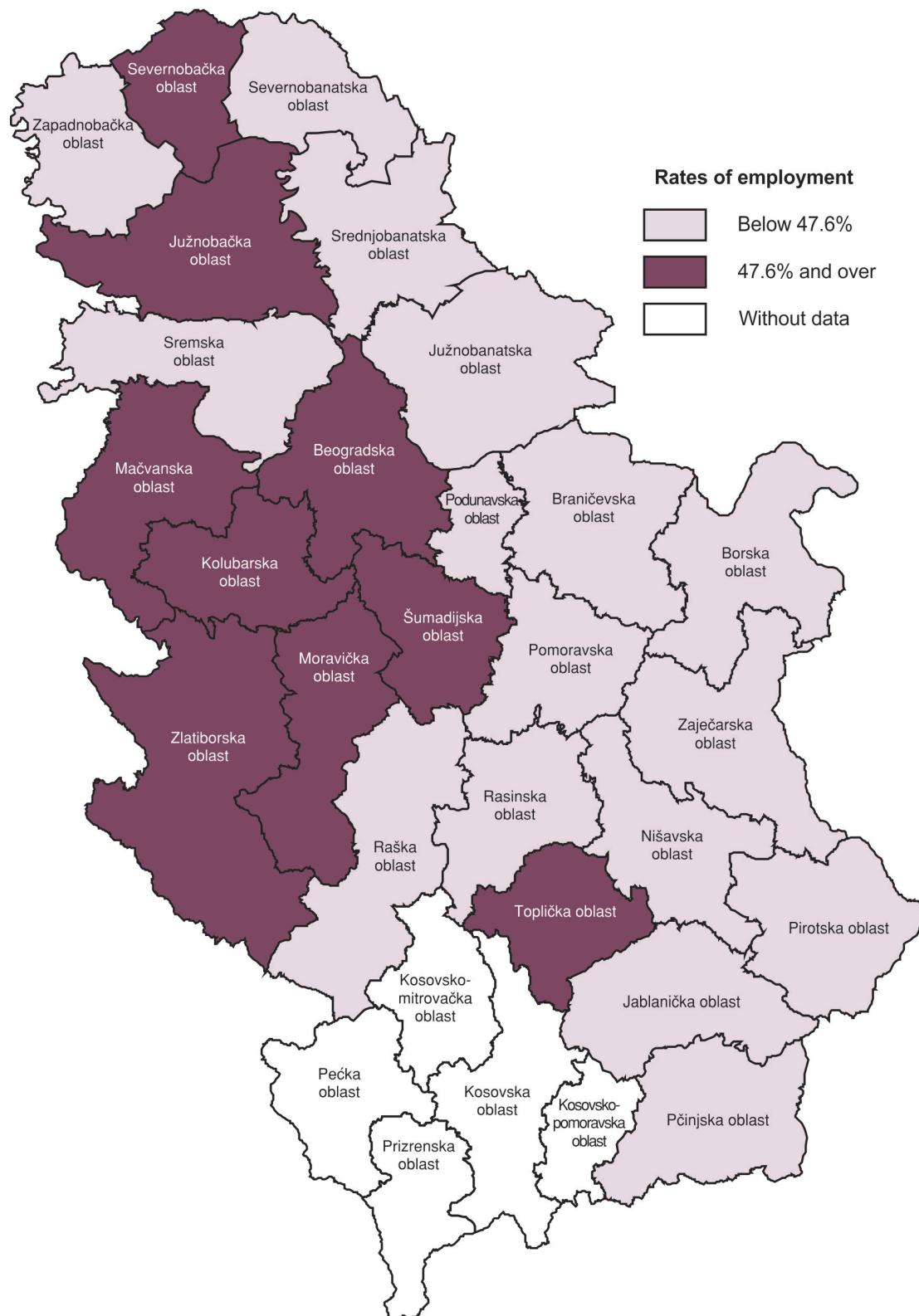
1.9. Status of persons according to the subjective opinion, sex, region and type of settlements, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	5955,1	1436,6	1594,5	1653,1	1271,0	...	3545,9	2409,2
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	2325,3	646,7	651,5	606,1	421,1	...	1490,9	834,4
Unemployed	979,0	194,8	244,8	288,8	250,6	...	543,5	435,5
Pupil/student, postgraduate student, unpaid interns	516,4	133,6	125,9	148,7	108,2	...	346,0	170,4
Pensioner	1636,0	388,6	420,2	456,4	370,7	...	974,6	661,4
Person with long-term and permanent disability who do not work	55,9	11,0	16,6	16,2	12,0	...	26,5	29,3
Person on military service	/	-	/	/	/	...	-	/
Person doing housework only	392,7	52,9	119,4	123,7	96,7	...	140,8	252,0
Other inactive persons	44,5	8,2	14,8	10,9	10,6	...	20,7	23,9
Volunteers	5,0	/	1,2	2,1	/	...	3,0	2,1
Males	2872,5	667,6	770,1	809,0	625,9	...	1667,8	1204,7
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	1311,5	336,2	373,1	355,8	246,4	...	789,6	521,9
Unemployed	540,7	99,7	138,1	159,8	143,1	...	285,5	255,2
Pupil/student, postgraduate student, unpaid interns	246,4	63,3	59,8	71,1	52,2	...	166,4	80,0
Pensioner	702,6	155,0	177,1	205,1	165,4	...	394,7	307,9
Person with long-term and permanent disability who do not work	33,1	7,0	9,4	9,3	7,4	...	16,3	16,8
Person on military service	/	-	/	/	/	...	-	/
Person doing housework only	11,9	1,6	3,7	1,6	4,9	...	3,1	8,8
Other inactive persons	25,0	4,7	8,7	5,3	6,3	...	11,4	13,6
Volunteers	1,2	/	/	/	/	...	/	/
Females	3082,6	769,0	824,4	844,1	645,1	...	1878,2	1204,4
Person doing job, including unpaid workers in family business and junior staff/interns and paid trainees	1013,8	310,5	278,4	250,3	174,7	...	701,3	312,5
Unemployed	438,4	95,1	106,7	129,0	107,5	...	258,1	180,3
Pupil/student, postgraduate student, unpaid interns	270,0	70,3	66,1	77,6	56,0	...	179,6	90,4
Pensioner	933,4	233,6	243,1	251,4	205,3	...	579,9	353,5
Person with long-term and permanent disability who do not work	22,8	4,0	7,2	6,9	4,6	...	10,2	12,5
Person on military service	-	-	-	-	-	...	-	-
Person doing housework only	380,8	51,3	115,6	122,1	91,8	...	137,7	243,1
Other inactive persons	19,5	3,6	6,1	5,6	4,3	...	9,2	10,3
Volunteers	3,8	/	1,1	1,3	/	...	2,1	1,7

1.10. Rates of activity, unemployment and inactivity for population aged 15 and over by area, 2018 (%)

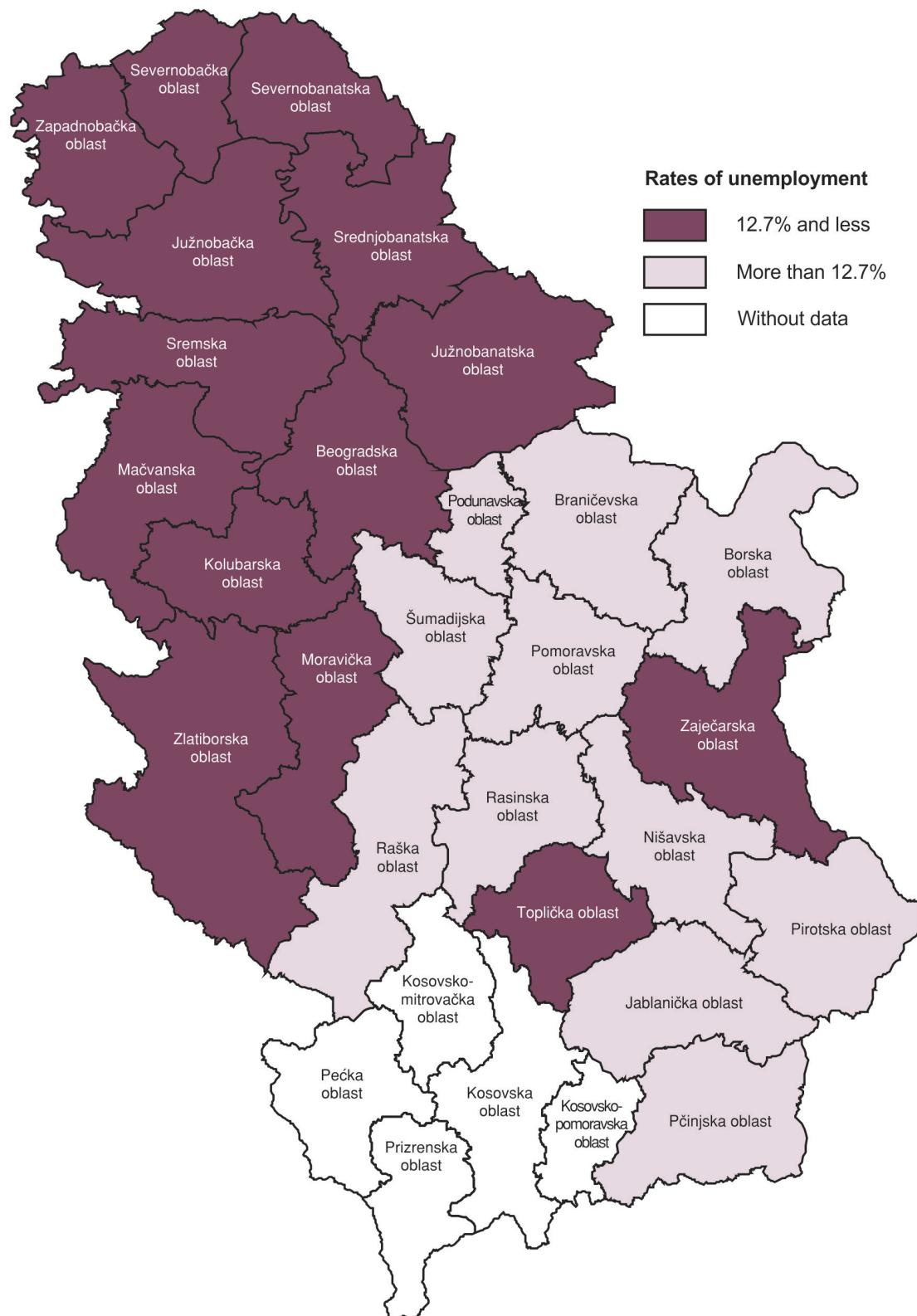
	Rate of activity	Rate of employment	Rate of unemployment	Rate of inactivity
Grad Beograd	56,2	50,1	10,9	43,8
Severnobačka oblast	53,7	49,9	6,9	46,3
Srednjobanatska oblast	50,6	45,8	9,5	49,4
Severnobanatska oblast	52,3	46,4	11,4	47,7
Južnobanatska oblast	49,9	44,6	10,5	50,1
Zapadnobačka oblast	51,0	44,8	12,3	49,0
Južnobačka oblast	55,3	49,7	10,1	44,7
Sremska oblast	52,6	46,1	12,3	47,4
Mačvanska oblast	60,3	53,7	10,9	39,7
Kolubarska oblast	62,7	57,9	7,6	37,3
Podunavska oblast	50,8	41,2	18,8	49,2
Braničevska oblast	51,9	44,9	13,5	48,1
Šumadijska oblast	55,8	47,9	14,1	44,2
Pomoravska oblast	49,7	40,7	18,0	50,3
Borska oblast	48,2	40,9	15,2	51,8
Zaječarska oblast	51,1	44,6	12,7	48,9
Zlatiborska oblast	58,2	52,6	9,7	41,8
Moravička oblast	60,0	55,5	7,5	40,0
Raška oblast	50,8	37,6	26,1	49,2
Rasinska oblast	52,9	44,4	16,1	47,1
Nišavska oblast	54,9	45,5	17,1	45,1
Toplička oblast	56,7	49,6	12,6	43,3
Pirotska oblast	52,1	44,2	15,2	47,9
Jablanička oblast	52,9	46,0	13,0	47,1
Pčinjska oblast	52,0	39,4	24,2	48,0

Rate of employment by areas, 2018



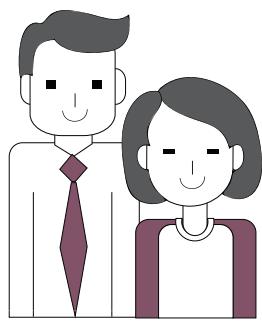
Rate of employment in the Republic of Serbia = 47.6%

Rate of unemployment by areas, 2018



Rate of unemployment in the Republic of Serbia = 12.7%

2



Employed

2.1. Employed by age groups, sex, region and type of settlements, 2018 (in thous.)

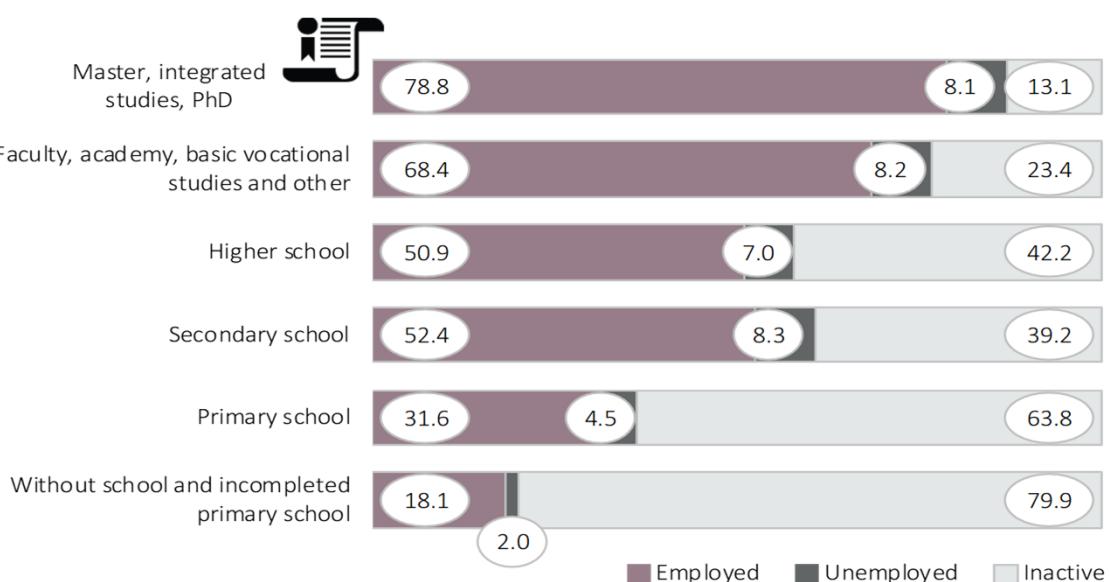
	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	2832,9	720,0	753,9	799,0	560,0	...	1636,5	1196,4
15–24 years	153,4	31,8	50,2	41,9	29,5	...	73,2	80,2
25–34	617,5	174,5	175,7	153,7	113,6	...	376,1	241,4
35–44	762,7	218,4	209,3	196,5	138,5	...	493,8	268,9
45–54	672,8	169,3	177,6	188,2	137,8	...	407,9	264,9
55–64	479,0	107,9	120,3	151,9	98,9	...	250,4	228,6
65 +	147,5	18,1	20,8	66,8	41,7	...	35,1	112,4
Male	1590,1	377,9	433,4	455,5	323,2	...	878,9	711,2
15–24 years	97,4	18,5	32,1	26,8	20,0	...	44,9	52,6
25–34	346,3	92,5	99,9	89,1	64,8	...	201,1	145,2
35–44	410,7	110,6	116,5	106,4	77,2	...	253,4	157,2
45–54	360,3	85,0	97,2	102,3	75,7	...	212,8	147,5
55–64	281,1	59,4	72,9	89,5	59,3	...	143,2	137,9
65 +	94,4	11,8	15,0	41,4	26,2	...	23,6	70,8
Female	1242,9	342,1	320,5	343,6	236,7	...	757,6	485,2
15–24 years	55,9	13,2	18,1	15,2	9,4	...	28,3	27,6
25–34	271,2	82,0	75,9	64,6	48,7	...	175,0	96,2
35–44	352,0	107,8	92,9	90,1	61,4	...	240,4	111,6
45–54	312,6	84,3	80,3	85,9	62,0	...	195,2	117,4
55–64	198,0	48,5	47,5	62,4	39,6	...	107,2	90,8
65 +	53,1	6,3	5,9	25,4	15,5	...	11,6	41,6



2.2. Employed by level of education, sex, region and type of settlements, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever			Srbija – jug		Type of settlement		
Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other	
Total	2832,9	720,0	753,9	799,0	560,0	...	1636,5	1196,4
No formal education	5,5	/	1,8	2,1	1,3	...	1,2	4,2
Low	472,2	38,1	119,9	197,4	116,8	...	102,6	369,6
Medium	1611,8	381,8	457,5	451,5	320,9	...	914,0	697,8
High	743,5	299,8	174,7	148,0	121,0	...	618,7	124,8
Males	1590,1	377,9	433,4	455,5	323,2	...	878,9	711,2
No formal education	1,5	/	/	/	/	...	/	/
Low	265,8	19,4	73,5	109,0	63,9	...	59,7	206,1
Medium	979,7	220,8	279,1	280,7	199,0	...	533,1	446,6
High	343,1	137,5	80,1	65,5	60,0	...	285,3	57,8
Females	1242,9	342,1	320,5	343,6	236,7	...	757,6	485,2
No formal education	4,0	/	1	1,9	/	...	/	3,5
Low	206,4	18,7	46,4	88,4	52,9	...	42,9	163,5
Medium	632,1	161,0	178,4	170,8	121,9	...	380,9	251,2
High	400,4	162,3	94,6	82,6	60,9	...	333,4	67,0

Graph. 4. Structure of employment, unemployment and inactivity by level of the highest completed education, 2018 (%)



2.3. Employed by professional, status, sex, region and type of settlements, 2018 (in thous.)

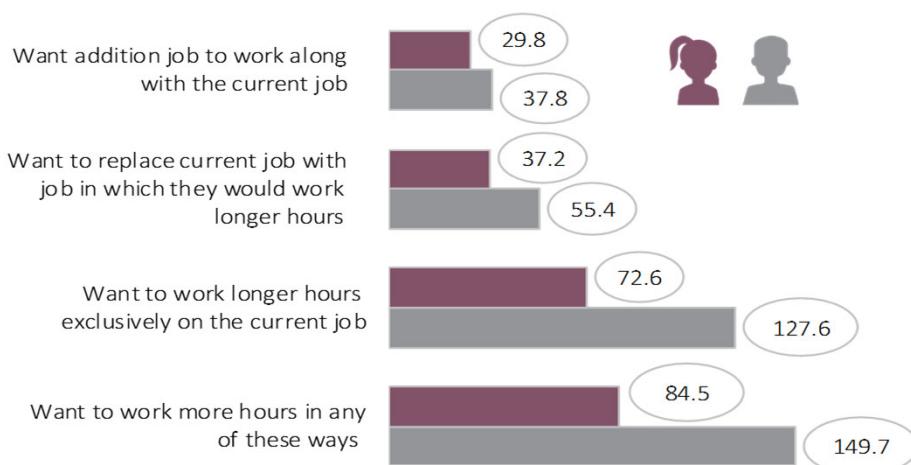
	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Aged 15 and over	2832,9	720,0	753,9	799,0	560,0	...	1636,5	1196,4
Self-employed with employees	103,5	33,3	28,6	26,8	14,8	...	76,9	26,6
Self-employed w/o employees	539,1	81,2	120,4	198,2	139,4	...	171,2	367,9
Employees	2032,7	596,0	578,5	480,2	378,0	...	1374,3	658,4
Contributing family workers	157,6	9,6	26,4	93,8	27,8	...	14,1	143,5
Working age (15–64)	2685,4	701,9	733,1	732,2	518,3	...	1601,4	1084,0
Self-employed with employees	99,3	31,5	27,1	26,2	14,4	...	73,3	26,0
Self-employed w/o employees	434,9	72,3	106,6	151,3	104,7	...	152,1	282,8
Employees	2019,9	590,4	575,2	478,3	376,0	...	1363,7	656,2
Contributing family workers	131,4	7,7	24,1	76,4	23,2	...	12,3	119,1
Males								
Aged 15 and over	1590,1	377,9	433,4	455,5	323,2	...	878,9	711,2
Self-employed with employees	73,2	22,9	19,1	19,7	11,4	...	53,4	19,8
Self-employed w/o employees	384,2	56,1	91,0	145,2	91,8	...	122,6	261,6
Employees	1086,4	296,0	313,9	264,5	211,9	...	697,7	388,6
Contributing family workers	46,3	2,9	9,4	25,9	8,1	...	5,2	41,1
Working age (15–64)	1495,7	366,1	418,5	414,0	297,1	...	855,3	640,4
Self-employed with employees	69,6	21,2	18,0	19,4	11,0	...	50,3	19,3
Self-employed w/o employees	308,8	49,6	79,9	110,8	68,5	...	108,8	200,0
Employees	1078,5	292,9	311,8	262,9	210,8	...	691,5	387,0
Contributing family workers	38,8	2,4	8,7	20,9	6,8	...	4,7	34,1
Females								
Aged 15 and over	1242,9	342,1	320,5	343,6	236,7	...	757,6	485,2
Self-employed with employees	30,3	10,4	9,4	7,1	3,4	...	23,5	6,8
Self-employed w/o employees	154,9	25,0	29,4	52,9	47,6	...	48,6	106,3
Employees	946,4	300,0	264,6	215,6	166,1	...	676,6	269,7
Contributing family workers	111,3	6,6	17,1	67,9	19,7	...	8,9	102,4
Working age (15–64)	1189,7	335,8	314,6	318,2	221,2	...	746,1	443,6
Self-employed with employees	29,7	10,4	9,1	6,9	3,4	...	23,0	6,7
Self-employed w/o employees	126,1	22,7	26,7	40,4	36,2	...	43,3	82,8
Employees	941,4	297,4	263,4	215,4	165,2	...	672,2	269,2
Contributing family workers	92,5	5,2	15,4	55,5	16,4	...	7,6	84,9



2.4. Employed with the usual working hours, sex, region and type of settlements, 2018 (in thous.)

	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
Total	2832,9	720,0	753,9	799,0	560,0	...	1636,5	1196,4
1–14 hours	14,2	2,9	5,4	3,0	2,9	...	7,6	6,6
15–35	118,0	26,3	27,5	37,4	26,8	...	51,7	66,3
36–48	1953,3	569,2	548,1	477,9	358,1	...	1313,0	640,3
49–59	113,0	25,6	26,5	45,1	15,8	...	50,9	62,1
More than 60 work hours	118,0	25,8	25,7	47,1	19,4	...	52,6	65,4
Varying usual work hours per week	516,5	70,2	120,8	188,5	137,0	...	160,7	355,8
Males	1590,1	377,9	433,4	455,5	323,2	...	878,9	711,2
1–14 hours	5,8	/	2,3	1,3	1,3	...	3,3	2,5
15–35	53,9	11,1	13,3	16,0	13,6	...	22,9	31,0
36–48	1032,7	280,7	294,3	258,7	199,0	...	664,0	368,6
49–59	77,5	19,2	19,0	28,4	10,9	...	37,0	40,5
More than 60 work hours	91,2	19,9	19,4	37,2	14,8	...	40,7	50,5
Varying usual work hours per week	328,9	46,1	85,1	113,9	83,8	...	110,9	218,0
Females	1242,9	342,1	320,5	343,6	236,7	...	757,6	485,2
1–14 hours	8,3	1,9	3,0	1,7	1,6	...	4,2	4,1
15–35	64,1	15,2	14,2	21,4	13,3	...	28,8	35,2
36–48	920,7	288,5	253,8	219,2	159,1	...	649,0	271,7
49–59	35,5	6,4	7,5	16,7	4,9	...	13,9	21,6
More than 60 work hours	26,8	5,9	6,3	10,0	4,6	...	11,9	14,9
Varying usual work hours per week	187,6	24,1	35,7	74,6	53,2	...	49,8	137,7

Graph 5. Employed who want to work longer hours, by sex, 2018 (in thous.)



2.5. Employed by ownership, working hours, sex and region, 2018 (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
Aged 15 and over	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0	...
Private ownership registered	1773,6	1028,8	744,8	428,9	519,7	513,9	311,1	...
Full-time job	1636,2	960,9	675,2	405,6	481,5	461,9	287,3	...
Part-time job	137,4	67,9	69,5	23,3	38,2	52,0	23,9	...
Private ownership not registered	287,4	177,3	110,2	39,7	57,4	95,6	94,8	...
Full-time job	134,7	91,9	42,8	19,4	23,3	49,6	42,4	...
Part-time job	152,8	85,3	67,4	20,4	34,1	46,0	52,3	...
State ownership	732,7	356,6	376,2	236,2	165,0	181,2	150,3	...
Full-time job	713,3	349,5	363,8	230,7	159,2	177,1	146,2	...
Part-time job	19,5	7,0	12,4	5,5	5,8	4,1	4,1	...
Other	39,1	27,4	11,7	15,2	11,8	8,3	3,8	...
Full-time job	29,2	19,9	9,3	11,8	8,0	6,4	3,0	...
Part-time job	9,9	7,5	2,5	3,4	3,8	2,0	/	...
Working age (15–64)	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3	...
Private ownership registered	1695,3	976,5	718,8	418,7	507,7	472,5	296,3	...
Full-time job	1587,4	925,9	661,5	399,4	474,8	434,5	278,7	...
Part-time job	107,9	50,6	57,3	19,4	32,9	38,0	17,6	...
Private ownership not registered	223,3	138,0	85,3	34,1	49,9	70,7	68,6	...
Full-time job	111,7	74,9	36,8	17,5	21,5	39,3	33,3	...
Part-time job	111,6	63,1	48,5	16,5	28,4	31,4	35,3	...
State ownership	729,5	354,9	374,6	234,4	164,2	180,9	149,9	...
Full-time job	710,6	348,1	362,5	229,1	158,7	176,9	145,9	...
Part-time job	18,9	6,8	12,1	5,3	5,5	4,0	4,1	...
Other	37,3	26,3	11,0	14,6	11,2	8,1	3,5	...
Full-time job	28,1	19,2	8,9	11,4	7,8	6,2	2,7	...
Part-time job	9,2	7,1	2,1	3,2	3,4	1,9	/	...

Graph. 6 Employed by reasons of work shorter than full-time by sex, 2018



2.6. Employed by sector of activity, sex and region, 2018 (in thous.)

	Republic of Serbia							
	Sex		Srbija – sever			Srbija – jug		
	Total	Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Aged 15 and over	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0	...
No response	-	-	-	-	-	-	-	...
Agriculture, forestry and fishing	451,0	281,7	169,3	23,1	124,1	218,8	85,0	...
Mining and quarrying	32,6	26,8	5,9	11,5	2,5	10,4	8,2	...
Manufacturing	518,1	319,2	198,8	69,9	184,2	150,6	113,3	...
Electricity and gas supply	42,3	34,3	8,0	14,1	5,0	9,6	13,7	...
Water supply, waste management	43,8	32,4	11,3	8,2	15,5	11,4	8,7	...
Construction	125,5	117,7	7,8	30,9	36,9	33,9	23,9	...
Wholesale and retail trade; repair of motor vehicles	373,7	168,5	205,2	123,3	100,6	88,1	61,7	...
Transportation and storage	150,1	119,9	30,2	58,4	34,6	31,8	25,4	...
Accommodation and food service activities	102,0	51,2	50,8	35,0	28,0	22,7	16,3	...
Information and communication	72,6	44,3	28,3	42,9	14,7	8,2	6,7	...
Financial and insurance activities	43,0	16,9	26,1	19,1	11,3	7,7	4,9	...
Real estate activities	3,5	1,3	2,2	2,2	/	/	/	...
Professional, scientific and technical activities	101,8	50,7	51,1	56,5	22,6	13,7	8,9	...
Administrative and support service activities	54,1	30,3	23,8	24,6	13,6	8,9	7,1	...
Public administration and defence; compulsory social security	153,0	88,9	64,1	48,5	35,3	35,3	33,9	...
Education	178,0	48,8	129,3	51,2	43,0	48,0	35,8	...
Human health and social work activities	156,5	39,4	117,1	49,3	42,5	34,8	29,9	...
Arts, entertainment and recreation	48,7	29,0	19,7	17,4	12,9	10,6	7,8	...
Other service activities	51,7	25,9	25,8	19,3	12,5	11,2	8,7	...
Activities of households as employers	129,1	62,2	66,8	12,7	13,3	43,0	60,1	...
Act of extraterritorial organizations and bodies	2,0	/	1,2	2,0	-	-	/	...

2.6. Employed by sector of activity, sex and region, 2018 (in thous.) (continued)

	Republic of Serbia							
	Sex		Srbija – sever			Srbija – jug		
	Total	Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Working age (15–64)	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3	...
No response	-	-	-	-	-	-	-	0
Agriculture, forestry and fishing	372,8	230,6	142,2	19,1	112,0	172,5	69,2	...
Mining and quarrying	32,6	26,7	5,9	11,5	2,5	10,4	8,2	...
Manufacturing	514,8	316,5	198,3	69,2	183,5	149,9	112,2	...
Electricity and gas supply	42,3	34,3	8,0	14,1	5,0	9,6	13,7	...
Water supply, waste management	43,6	32,3	11,3	8,2	15,3	11,4	8,7	...
Construction	122,3	114,7	7,5	29,8	35,7	33,1	23,6	...
Wholesale and retail trade; repair of motor vehicles	370,8	166,5	204,3	121,5	100,0	87,8	61,5	...
Transportation and storage	148,5	118,4	30,1	57,7	34,4	31,2	25,2	...
Accommodation and food service activities	100,6	50,3	50,3	34,3	27,9	22,4	15,9	...
Information and communication	71,7	43,7	28,1	42,4	14,6	8,2	6,5	...
Financial and insurance activities	42,2	16,3	25,9	18,8	11,0	7,7	4,7	...
Real estate activities	3,5	1,3	2,2	2,2	/	/	/	...
Professional, scientific and technical activities	98,4	48,1	50,3	54,3	21,9	13,4	8,8	...
Administrative and support service activities	53,3	29,9	23,4	24,4	13,1	8,8	6,9	...
Public administration and defence; compulsory social security	151,8	88,1	63,7	47,9	34,9	35,1	33,8	...
Education	176,9	48,3	128,6	50,6	42,7	48,0	35,6	...
Human health and social work activities	154,4	38,6	115,8	48,5	42,0	34,4	29,6	...
Arts, entertainment and recreation	48,3	28,6	19,7	17,2	12,9	10,5	7,7	...
Other service activities	49,7	24,8	24,9	18,9	12,2	10,5	8,2	...
Activities of households as employers	84,8	36,8	48,1	9,4	10,4	26,9	38,2	...
Act of extraterritorial organizations and bodies	2,0	/	1,2	2,0	-	-	/	...

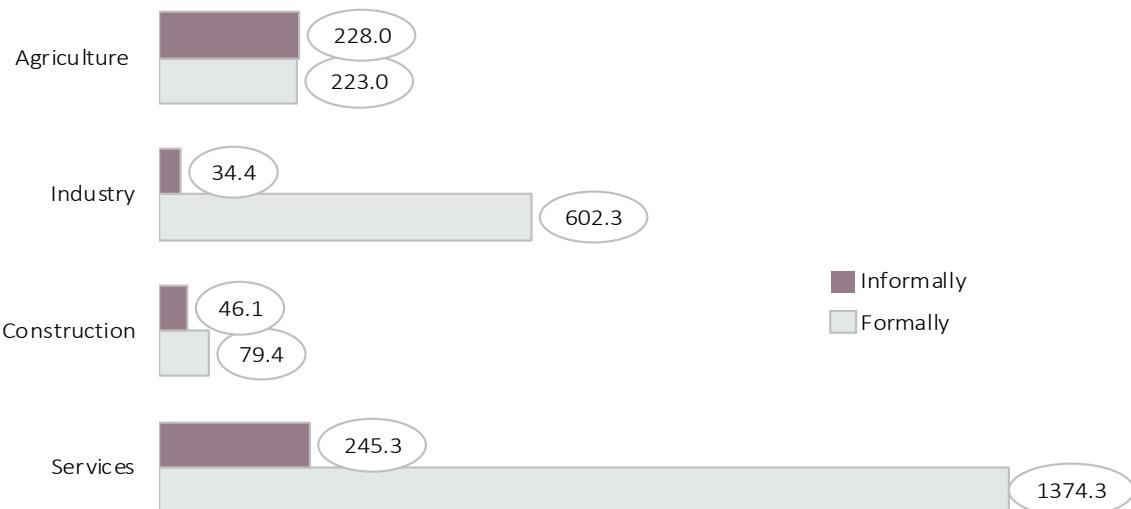
2.7. Employed by occupation, sex and region, 2018 (in thous.)

	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
Aged 15 and over	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0	...
Legislators, administrative officials and managers	81,6	56,0	25,6	28,8	21,4	20,0	11,3	...
Professional and art experts	393,9	168,9	225,0	169,9	93,3	72,7	58,0	...
Engineers, professional associates and technicians	330,2	156,3	173,9	121,8	84,6	68,7	55,1	...
Civil and other servants	221,2	90,5	130,7	90,3	53,6	44,5	32,8	...
Service and trade assistants	426,7	188,2	238,5	117,8	118,7	109,1	81,1	...
Qualified workers in agriculture, forestry and fishing	492,4	290,0	202,4	29,6	85,5	244,8	132,5	...
Craftsmen and other	328,2	271,6	56,5	59,2	103,6	96,5	68,9	...
Machine operators and assemblers	287,5	225,6	61,9	47,1	102,4	74,6	63,4	...
Basic/manual labourers	256,4	128,7	127,7	53,4	87,7	64,5	50,8	...
Military occupations	14,7	14,2	/	2,2	3,2	3,4	5,9	...
Working age (15–64)	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3	...
Legislators, administrative officials and managers	79,1	53,7	25,4	27,8	20,7	19,6	11,1	...
Professional and art experts	386,3	164,0	222,3	165,9	91,4	72,1	57,0	...
Professional associates and technicians	327,5	154,3	173,2	120,3	84,2	68,3	54,7	...
Civil and other servants	220,1	90,1	130,0	89,9	53,1	44,4	32,7	...
Service and trade assistants	422,5	186,1	236,4	116,0	117,9	108,5	80,1	...
Qualified workers in agriculture, forestry and fishing	372,8	214,7	158,2	22,6	71,7	183,3	95,2	...
Craftsmen and other	324,1	268,0	56,1	57,9	102,7	95,2	68,3	...
Machine operators and assemblers	285,6	223,8	61,8	46,4	102,2	73,8	63,1	...
Basic/manual labourers	252,6	126,7	125,9	52,8	86,1	63,6	50,1	...
Military occupations	14,7	14,2	/	2,2	3,2	3,4	5,9	...

2.8. Employed in formal or informal employment, by groups of age, professional status, sex and region, 2018

	Republic of Serbia							
	Sex		Srbija – sever			Srbija – jug		
	Total	Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0	...
Formally employed aged 15 and over (in thous.)	2279,1	1290,7	988,4	637,4	623,4	594,8	423,5	...
15–24 years	110,7	69,2	41,6	23,9	38,5	27,0	21,3	...
25–54	1751,7	949,8	801,8	511,4	478,6	437,0	324,6	...
55–64	360,0	226,1	133,9	92,9	95,8	104,8	66,5	...
65 and over	56,7	45,6	11,1	9,2	10,4	26,1	11,0	...
By employment status (in thous.)								
Self-employed with employees	100,6	70,8	29,8	32,7	27,2	26,2	14,6	...
Self-employed w/o employees	288,5	218,7	69,8	44,5	72,5	118,0	53,5	...
Employees	1890,0	1001,2	888,8	560,3	523,7	450,6	355,4	...
Contributing family workers	-	-	-	-	-	-	-	...
Informally employed aged 15 and over (in thous.)	553,8	299,3	254,5	82,6	130,6	204,2	136,5	...
15–24 years	42,6	28,3	14,4	7,9	11,6	14,9	8,2	...
25–54	301,3	167,3	134,0	50,7	84,0	101,4	65,2	...
55–64	119,1	55,0	64,1	15,1	24,5	47,1	32,4	...
65 and over	90,8	48,8	42,0	8,9	10,4	40,8	30,7	...
By employment status (in thous.)								
Self-employed with employees	2,9	2,3	/	/	1,4	/	/	...
Self-employed w/o employees	250,7	165,5	85,1	36,7	47,9	80,1	85,9	...
Employees	142,7	85,1	57,6	35,7	54,8	29,5	22,6	...
Contributing family workers	157,6	46,3	111,3	9,6	26,4	93,8	27,8	...
Informal employment rate (%)	19,5	18,8	20,5	11,5	17,3	25,6	24,4	...

Graph. 7. Formally/informally employed by sector of activities, 2018 (in thous.)



i Note

Sector of agriculture includes agriculture, forestry and fishing.

Sector of industry includes mining and quarrying, manufacturing, electricity and gas supply, water supply and waste management.

Sector of construction includes only construction.

Sector of services includes wholesale and retail trade, transportation and storage, accommodation and food service activities, information and communication, financial and communication activities, financial and insurance activities, real estate activities, professional, scientific and technical activities, administrative and support service activities, public administration and compulsory social security, arts, entertainment and recreation, other service activities, activities of households as employers, activities of extraterritorial organizations and bodies. tor of construction includes only construction.

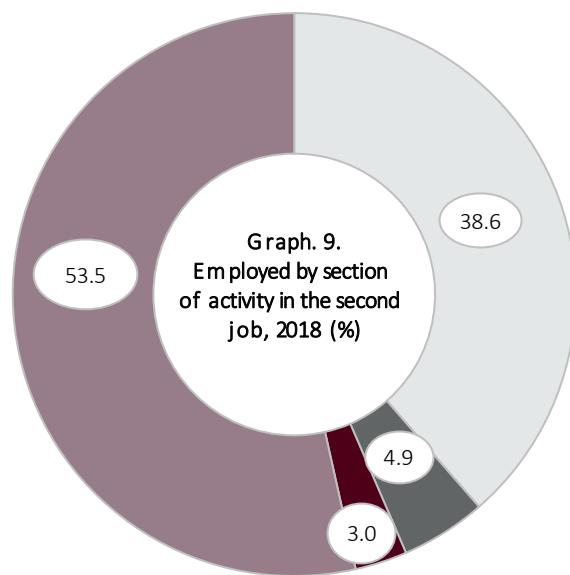
Graph. 8. Employed by specific types of working hours



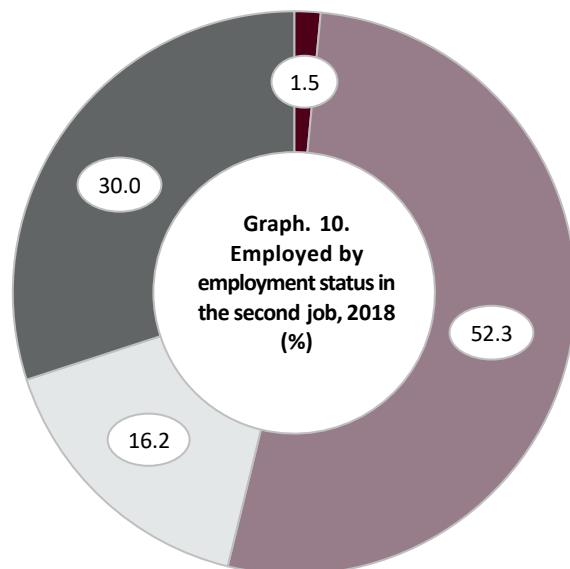
2.9. Employed according to whether they seek another job, reasons for seeking another job, sex and region, 2018. (in thous.)

	Republic of Serbia							
	Sex		Srbija – sever			Srbija – jug		
	Total	Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0	...
Employed which didn't seek job in the last four weeks	2675,9	1492,4	1183,6	676,2	718,2	755,7	525,8	...
Employed which were seeking job in the last four weeks reason:	157,0	97,7	59,3	43,8	35,7	43,3	34,2	...
There is a risk of losing present job, or the work being performed is of limited duration	6,9	4,5	2,4	1,7	1,8	2,0	1,5	...
Present work is accepted as temporary	40,8	27,7	13,1	10,2	10,4	11,4	8,9	...
Search of extra job that would be performed in addition to current job	13,3	7,9	5,4	3,3	/	5,0	4,1	...
Desire to find a job with better conditions (higher wages, more convenient working hours or transport , the ability to better express their own abilities)	92,2	55,7	36,5	26,7	22,3	24,1	19,1	...
Other	3,7	1,9	1,9	2,0	/	/	/	...

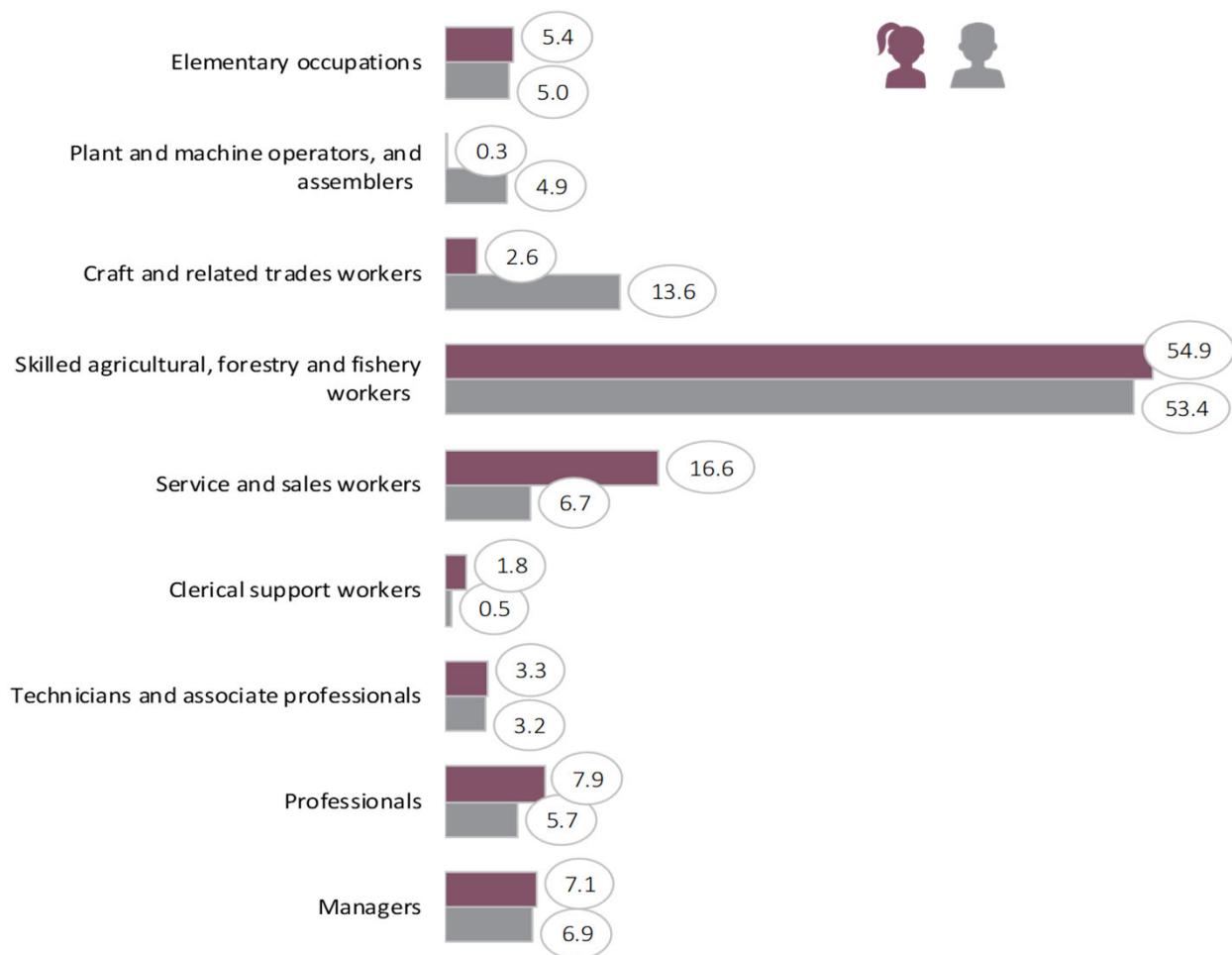
Services
 Construction
 Industry
 Agriculture



Self-employed with
employees
 Self-employed w/o
employees
 Employees
 Contributing family
workers



Graph. 11. Self-employed by occupation and sex, 2018 (%)



**2.10. Employees by type of contract and employment rights, sex, region and type of settlements,
2018 (in thous.)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug		Type of settlement		
		Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	2032,7	596,0	578,5	480,2	378,0	...	1374,3	658,4
Employees by contract on employment								
Written contract on employment	1890,0	560,3	523,7	450,6	355,4	...	1291,4	598,6
Verbally agreed employment	142,7	35,7	54,8	29,5	22,6	...	82,9	59,8
Entitlements from employment								
Entitlement to pension insurance	1883,0	555,5	523,0	449,9	354,6	...	1287,6	595,3
No entitlement to pension insurance	149,7	40,6	55,5	30,3	23,4	...	86,7	63,0
Entitlement to health insurance	1878,8	552,7	523,0	449,0	354,2	...	1283,5	595,4
No entitlement to health insurance	153,9	43,3	55,6	31,2	23,8	...	90,9	63,0
Entitlement to paid sick leave	1824,4	536,1	513,4	434,0	340,9	...	1251,4	573,0
No entitlement to paid sick leave	208,3	59,9	65,1	46,1	37,1	...	122,9	85,4
Entitlement to annual paid leave	1814,1	533,2	512,5	430,3	338,0	...	1245,7	568,3
No entitlement to annual paid leave	218,7	62,8	66,0	49,9	40,0	...	128,6	90,0
Males	1086,4	296,0	313,9	264,5	211,9	...	697,7	388,6
Employees by contract on employment								
Written contract on employment	1001,2	275,2	282,2	245,8	198,0	...	651,4	349,8
Verbally agreed employment	85,1	20,8	31,7	18,7	13,9	...	46,3	38,8
Entitlements from employment								
Entitlement to pension insurance	996,5	272,1	281,4	245,5	197,5	...	648,6	347,9
No entitlement to pension insurance	89,9	23,9	32,5	19,1	14,4	...	49,1	40,8
Entitlement to health insurance	993,7	270,7	281,4	244,5	197,1	...	646,0	347,7
No entitlement to health insurance	92,7	25,3	32,5	20,0	14,8	...	51,7	41,0
Entitlement to paid sick leave	964,4	262,2	275,7	236,9	189,6	...	629,5	334,9
No entitlement to paid sick leave	122,0	33,8	38,2	27,6	22,3	...	68,2	53,8
Entitlement to annual paid leave	958,2	260,7	275,1	234,6	187,8	...	626,0	332,1
No entitlement to annual paid leave	128,2	35,3	38,9	29,9	24,1	...	71,7	56,5

**2.10. Employees by type of contract and employment rights, sex, region and type of settlements,
2018 (in thous.) (continued)**

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug		Type of settlement		
		Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Females	946,4	300,0	264,6	215,6	166,1	...	676,6	269,7
Employees by contract on employment								
Written contract on employment	888,8	285,1	241,5	204,8	157,4	...	640,0	248,8
Verbally agreed employment	57,6	14,9	23,1	10,8	8,7	...	36,6	20,9
Entitlements from employment								
Entitlement to health insurance	886,5	283,4	241,6	204,5	157,1	...	639,0	247,5
No entitlement to health insurance	59,9	16,7	23,0	11,2	9,0	...	37,6	22,3
Entitlement to paid sick leave	885,1	282,0	241,5	204,5	157,1	...	637,4	247,7
No entitlement to paid sick leave	61,2	18,1	23,1	11,1	9,0	...	39,2	22,0
Entitlement to annual paid leave	860,0	273,8	237,7	197,2	151,3	...	621,9	238,1
No entitlement to annual paid leave	86,4	26,2	26,9	18,5	14,8	...	54,7	31,6
Entitlement to annual paid leave	855,9	272,6	237,5	195,6	150,2	...	619,7	236,2
No entitlement to annual paid leave	90,5	27,5	27,1	20,0	15,9	...	57,0	33,5

2.11. Employees by sector of activity, sex, region and type of settlements, 2018 (in thous.)

	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
Total	2032,7	596,0	578,5	480,2	378,0	...	1374,3	658,4
Agriculture	59,1	2,9	39,3	9,6	7,3	...	18,7	40,5
Industry	590,7	94,2	190,7	169,4	136,3	...	347,7	243,0
Construction	88,5	20,5	26,2	24,5	17,3	...	49,3	39,2
Services	1294,4	478,3	322,4	276,6	217,1	...	958,7	335,8
Males	1086,4	296,0	313,9	264,5	211,9	...	697,7	388,6
Agriculture	43,3	2,3	28,7	6,9	5,3	...	13,3	30,0
Industry	376,5	62,4	118,6	109,1	86,4	...	217,2	159,3
Construction	81,7	17,9	24,0	23,2	16,5	...	43,8	37,9
Services	584,9	213,4	142,5	125,3	103,7	...	423,4	161,5
Females	946,4	300,0	264,6	215,6	166,1	...	676,6	269,7
Agriculture	15,9	/	10,5	2,7	2,0	...	5,3	10,5
Industry	214,2	31,9	72,1	60,3	50,0	...	130,5	83,7
Construction	6,8	2,6	2,1	1,3	/	...	5,5	1,3
Services	709,5	264,9	179,8	151,3	113,4	...	535,3	174,2

i Note

Sector of agriculture includes agriculture, forestry and fishing.

Sector of industry includes mining and quarrying, manufacturing, electricity and gas supply, water supply and waste management.

Sector of construction includes only construction.

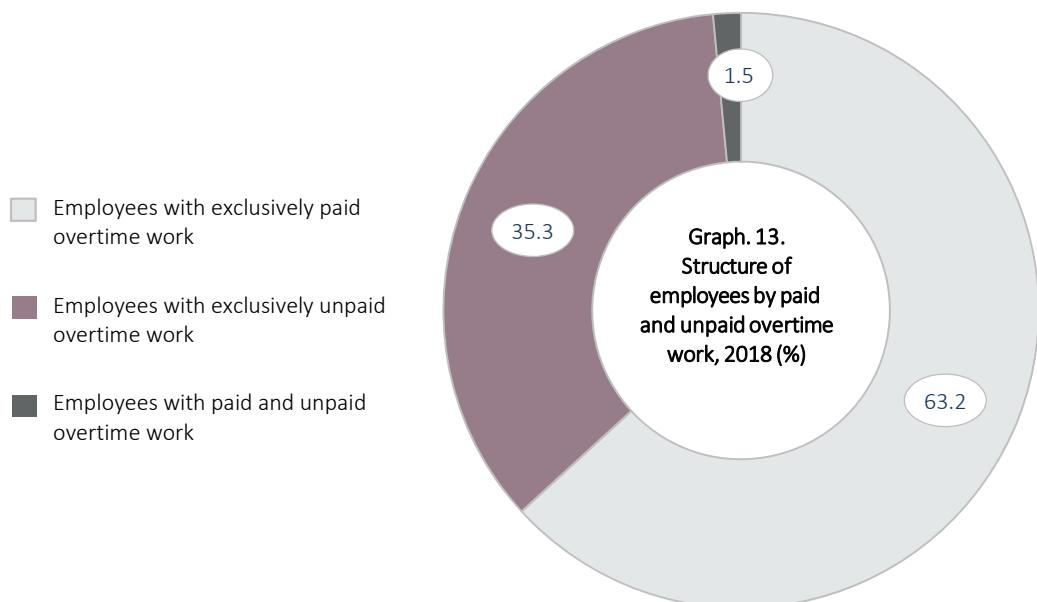
Sector of services includes wholesale and retail trade, transportation and storage, accommodation and food service activities, information and communication, financial and communication activities, financial and insurance activities, real estate activities, professional, scientific and technical activities, administrative and support service activities, public administration and compulsory social security, arts, entertainment and recreation, other service activities, activities of households as employers, activities of extraterritorial organizations and bodies. tor of construction includes only construction.

Graph. 12. Employees who are obliged to control the work of other employees, by sex 2018 (%)



i Note

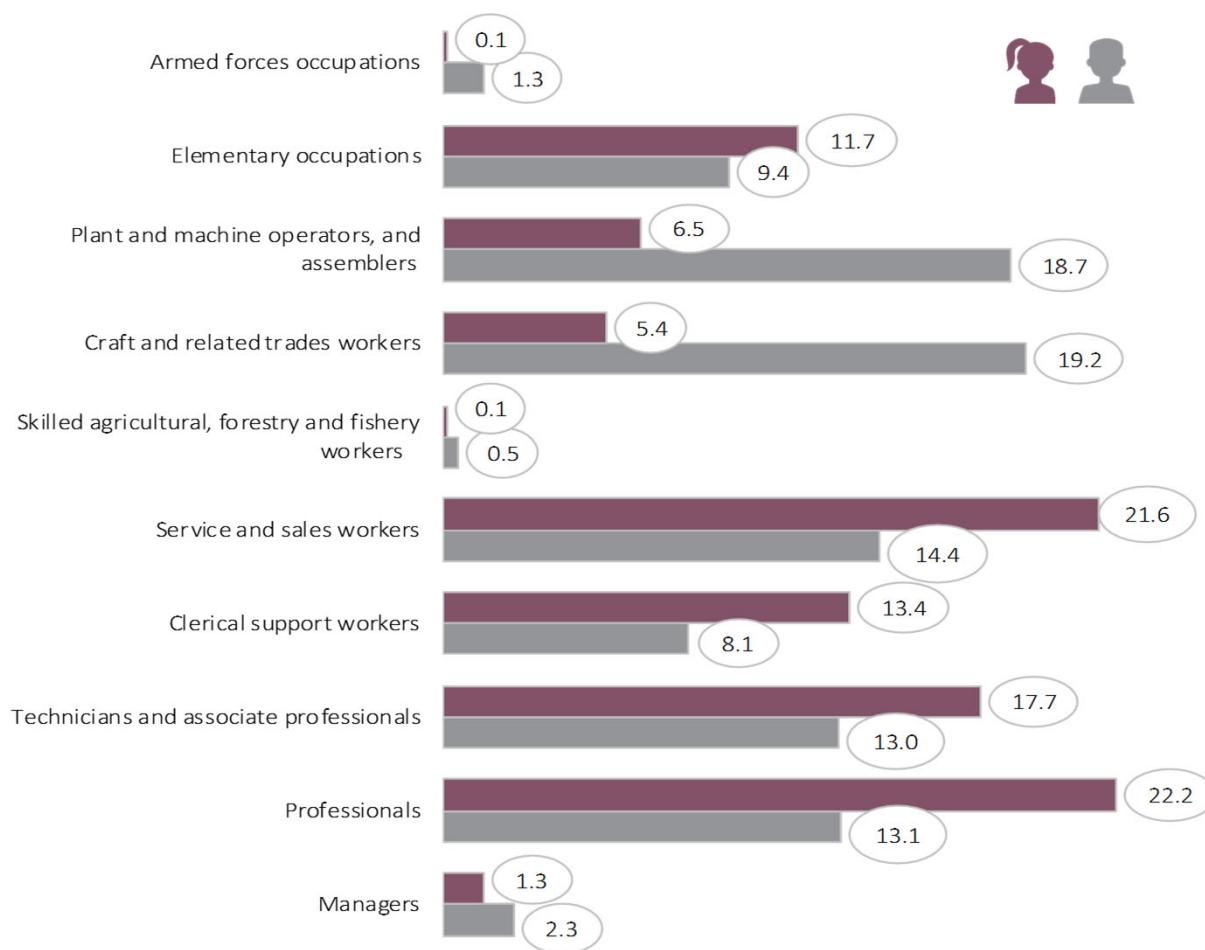
Refers to the employee that controls and manages the operation of at least one other employee (not including an apprentice) and whose control function is in description of his/her work.



2.12. Employees by occupation, sex, region and type of settlements, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	2032,7	596,0	578,5	480,2	378,0	...	1374,3	658,4
Legislators, administrative officials and managers	36,9	10,8	9,8	8,9	7,4	...	31,4	5,5
Professional and art experts	352,8	148,2	84,6	66,8	53,3	...	301,3	51,5
Professional associates and technicians	309,0	113,4	78,4	65,2	51,9	...	239,6	69,4
Civil and other servants	214,5	87,6	51,5	43,5	32,0	...	165,9	48,6
Service and trade assistants	361,1	102,2	100,7	90,0	68,1	...	238,4	122,7
Qualified workers in agriculture, forestry and fishing	7,2	/	3,3	2,3	/	...	2,6	4,6
Craftsmen and other	259,5	45,0	81,7	76,9	55,9	...	137,2	122,4
Machine operators and assemblers	264,2	38,8	97,5	69,4	58,5	...	138,1	126,1
Basic/manual labourers	212,7	47,0	67,9	53,8	44,1	...	108,9	103,8
Military occupations	14,7	2,2	3,2	3,4	5,9	...	10,9	3,8
Males	1086,4	296,0	313,9	264,5	211,9	...	697,7	388,6
Legislators, administrative officials and managers	24,5	7,4	6,0	6,4	4,7	...	20,7	3,8
Professional and art experts	142,7	61,2	34,6	24,6	22,4	...	122,4	20,3
Professional associates and technicians	141,6	52,7	35,6	29,1	24,2	...	109,6	32,0
Civil and other servants	88,0	32,5	22,8	17,1	15,6	...	65,7	22,3
Service and trade assistants	156,2	43,7	42,3	39,6	30,6	...	102,8	53,4
Qualified workers in agriculture, forestry and fishing	5,9	/	2,7	1,7	/	...	2,0	3,9
Craftsmen and other	208,2	40,4	65,7	59,8	42,4	...	108,0	100,2
Machine operators and assemblers	202,8	35,8	68,4	57,0	41,6	...	106,2	96,6
Basic/manual labourers	102,4	20,0	32,7	25,8	23,9	...	49,9	52,4
Military occupations	14,2	1,9	3,2	3,4	5,7	...	10,5	3,7
Females	946,4	300,0	264,6	215,6	166,1	...	676,6	269,7
Legislators, administrative officials and managers	12,4	3,4	3,8	2,5	2,7	...	10,7	1,7
Professional and art experts	210,1	87,1	50,0	42,2	30,9	...	178,9	31,2
Professional associates and technicians	167,4	60,8	42,8	36,0	27,8	...	130,1	37,3
Civil and other servants	126,5	55,1	28,7	26,4	16,3	...	100,2	26,3
Service and trade assistants	204,9	58,5	58,4	50,4	37,5	...	135,6	69,3
Qualified workers in agriculture, forestry and fishing	1	/	/	/	/	...	/	/
Craftsmen and other	51,3	4,7	16,0	17,1	13,6	...	29,1	22,2
Machine operators and assemblers	61,4	3,0	29,1	12,4	16,9	...	31,9	29,4
Basic/manual labourers	110,3	26,9	35,2	28,0	20,2	...	59,0	51,4
Military occupations	/	/	-	/	/	...	/	/

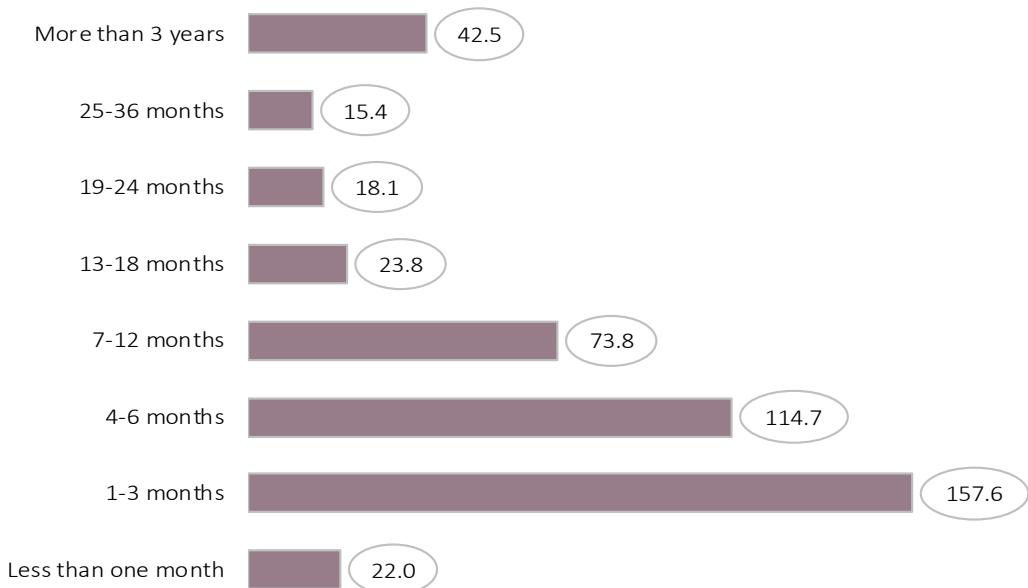
Graph.14. Structure of employees by occupation and sex, 2018 (%)



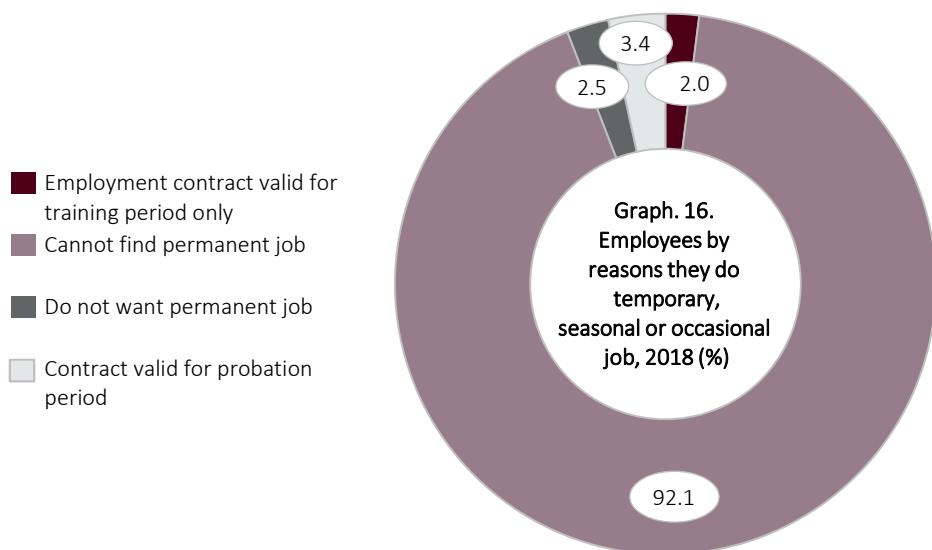
2.13. Employees by permanency of job, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug		Type of settlement		
		Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Employees aged 15 and over								
Permanent job	1564,8	479,2	424,4	367,3	293,9	...	1090,8	474,0
Temporary job	401,8	102,2	129,1	96,0	74,5	...	248,5	153,3
Seasonal job	30,7	4,7	14,0	7,0	5,1	...	12,9	17,9
Casual job	35,4	9,9	11,0	9,8	4,5	...	22,1	13,2
Employees of working age (15–64)								
Permanent job	1556,9	475,7	422,3	366,3	292,6	...	1083,9	473,1
Temporary job	398,8	100,6	128,6	95,5	74,1	...	246,0	152,8
Seasonal job	30,2	4,5	13,7	6,9	5,1	...	12,6	17,6
Casual job	34,0	9,5	10,7	9,6	4,2	...	21,2	12,8
Males								
Employees aged 15 and over	1086,4	296,0	313,9	264,5	211,9	...	697,7	388,6
Permanent job	819,9	235,9	224,7	197,0	162,3	...	542,2	277,7
Temporary job	222,5	50,6	73,1	56,1	42,7	...	133,0	89,5
Seasonal job	21,8	3,4	9,2	5,1	4,0	...	9,8	12,0
Casual job	22,2	6,1	6,9	6,3	2,9	...	12,7	9,5
Employees of working age (15–64)	1078,5	292,9	311,8	262,9	210,8	...	691,5	387,0
Permanent job	815,4	233,9	223,5	196,0	161,9	...	538,2	277,1
Temporary job	220,4	49,7	72,7	55,7	42,4	...	131,4	89,0
Seasonal job	21,4	3,3	9,0	5,1	3,9	...	9,6	11,8
Casual job	21,4	6,0	6,6	6,2	2,6	...	12,3	9,1
Females								
Employees aged 15 and over	946,4	300,0	264,6	215,6	166,1	...	676,6	269,7
Permanent job	744,9	243,3	199,6	170,4	131,6	...	548,6	196,4
Temporary job	179,3	51,6	56,0	39,9	31,8	...	115,5	63,8
Seasonal job	9,0	/	4,8	1,8	1,1	...	3,1	5,8
Casual job	13,1	3,8	4,2	3,5	1,6	...	9,4	3,7
Employees of working age (15–64)	941,4	297,4	263,4	215,4	165,2	...	672,2	269,2
Permanent job	741,6	241,8	198,7	170,3	130,8	...	545,6	195,9
Temporary job	178,4	51,0	55,9	39,8	31,8	...	114,6	63,8
Seasonal job	8,8	/	4,7	1,8	1,1	...	3,0	5,8
Casual job	12,6	3,5	4,1	3,5	1,6	...	8,9	3,7

**Graph. 15. Employees by total duration of temporary job
(temporary, seasonal or casual jobs), 2018 (in thous.)**



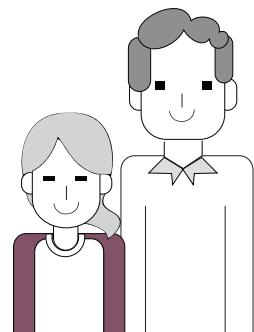
**Graph. 16.
Employees by
reasons they do
temporary,
seasonal or occasional
job, 2018 (%)**



2.14. Employees by kind of ownership, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug		Type of settlement		
		Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Employees aged 15 and over								
Private ownership, registered	1249,2	344,4	396,5	287,5	220,8	...	811,3	437,9
Private ownership, not registered	24,0	5,0	9,1	5,5	4,3	...	14,4	9,6
State ownership	732,7	236,2	165,0	181,2	150,2	...	530,6	202,1
Other	26,8	10,4	7,8	5,9	2,6	...	18,1	8,7
Employees of working age (15–64)								
Private ownership, registered	1241,8	341,2	394,7	286,1	219,8	...	805,3	436,5
Private ownership, not registered	22,7	4,6	8,7	5,5	4,0	...	13,5	9,2
State ownership	729,5	234,4	164,2	180,9	149,9	...	527,5	202,0
Other	25,9	10,2	7,7	5,8	2,3	...	17,4	8,6
Males								
Employees aged 15 and over								
Private ownership, registered	699,5	179,4	229,0	165,8	125,4	...	436,9	262,6
Private ownership, not registered	12,7	2,7	4,3	3,3	2,4	...	6,7	6,0
State ownership	356,6	108,2	74,5	91,4	82,4	...	243,1	113,4
Other	17,6	5,7	6,2	4,0	1,7	...	11,0	6,5
Employees of working age (15–64)								
Private ownership, registered	694,2	177,6	227,5	164,5	124,6	...	432,8	261,4
Private ownership, not registered	12,2	2,5	4,2	3,3	2,3	...	6,4	5,8
State ownership	354,9	107,4	74,0	91,3	82,2	...	241,6	113,3
Other	17,2	5,5	6,1	3,9	1,7	...	10,7	6,4
Females								
Employees aged 15 and over								
Private ownership, registered	549,7	165,0	167,5	121,7	95,4	...	374,4	175,3
Private ownership, not registered	11,3	2,3	4,9	2,2	1,9	...	7,7	3,6
State ownership	376,1	128,0	90,5	89,8	67,9	...	287,4	88,7
Other	9,2	4,7	1,7	1,9	/	...	7,1	2,2
Employees of working age (15–64)								
Private ownership, registered	547,6	163,6	167,2	121,6	95,2	...	372,6	175,0
Private ownership, not registered	10,5	2,1	4,5	2,2	1,7	...	7,1	3,4
State ownership	374,5	127,1	90,2	89,6	67,7	...	285,9	88,7
Other	8,8	4,7	1,6	1,9	/	...	6,6	2,2

3



Unemployed

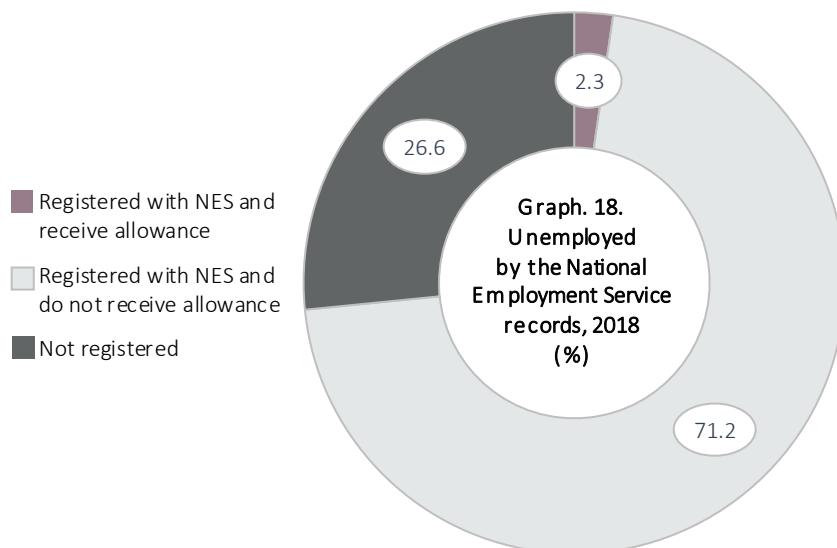
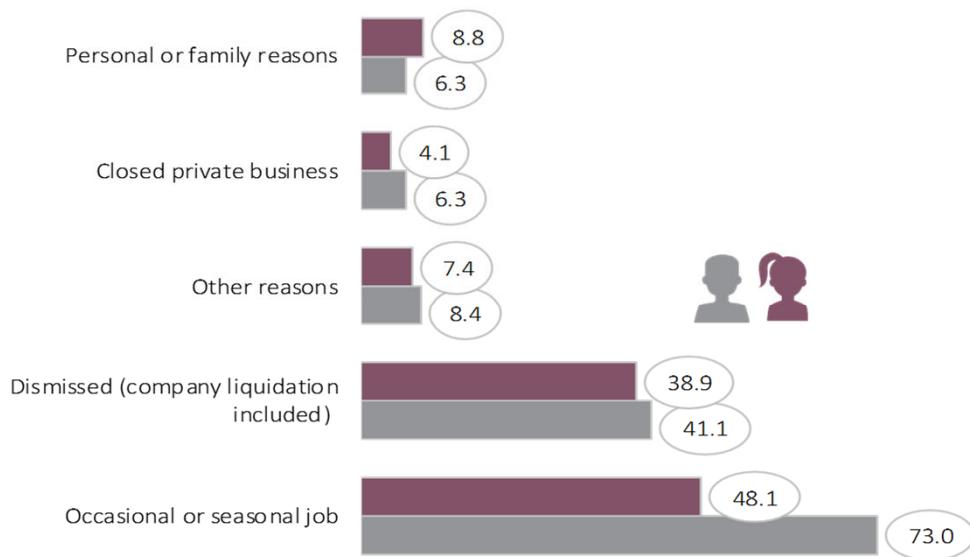
3.1. Unemployed by age groups, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	412,2	87,7	88,1	128,1	108,2	...	265,4	146,7
15–24 years	64,8	10,0	15,0	21,0	18,8	...	36,6	28,2
25–34	129,8	30,0	27,8	40,1	31,9	...	82,7	47,1
35–44	99,6	23,3	19,0	30,0	27,3	...	67,7	31,9
45–54	71,1	14,0	15,9	21,7	19,5	...	45,4	25,7
55–64	45,7	9,7	10,2	15,2	10,7	...	32,3	13,4
65 +	1,2	/	/	/	/	...	/	/
Male	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
15–24 years	38,5	6,2	8,8	12,1	11,3	...	23,1	15,3
25–34	64,8	12,3	13,5	21,3	17,6	...	39,8	25,0
35–44	50,0	11,5	9,8	14,5	14,3	...	33,0	17,1
45–54	33,0	6,1	7,5	9,5	9,8	...	20,8	12,2
55–64	28,2	6,0	7,1	8,6	6,5	...	19,3	8,9
65 +	/	/	/	/	/	...	/	/
Female	196,8	45,0	41,2	61,9	48,6	...	128,8	68,0
15–24 years	26,3	3,8	6,2	8,9	7,5	...	13,5	12,8
25–34	65,0	17,7	14,2	18,8	14,3	...	42,9	22,1
35–44	49,5	11,8	9,2	15,5	13,0	...	34,7	14,8
45–54	38,1	7,9	8,3	12,2	9,6	...	24,5	13,6
55–64	17,5	3,7	3,1	6,5	4,1	...	13,0	4,5
65 +	/	/	/	-	/	...	/	/

3.2. Unemployed by educational attainment, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	412,2	87,7	88,1	128,1	108,2	...	265,4	146,7
No formal education	1,1	/	/	/	/	...	/	/
Low	64,5	7,4	17,5	20,9	18,6	...	32,8	31,7
Medium	256,3	50,5	51,4	84,8	69,6	...	163,1	93,2
High	90,2	29,7	18,7	22,3	19,6	...	69,0	21,2
Males	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
No formal education	/	-	/	-	/	...	/	/
Low	37,1	4,2	9,9	12,1	10,9	...	17,8	19,3
Medium	143,7	27,3	29,7	46,6	40,1	...	91,7	52,0
High	34,3	11,2	7,2	7,5	8,3	...	26,9	7,4
Females	196,8	45,0	41,2	61,9	48,6	...	128,8	68,0
No formal education	/	/	/	/	/	...	/	/
Low	27,4	3,2	7,6	8,9	7,7	...	15,0	12,4
Medium	112,6	23,2	21,7	38,3	29,5	...	71,4	41,3
High	55,9	18,4	11,4	14,7	11,3	...	42,1	13,8

Graph. 17. Five main reasons for ceased job for unemployed that stopped working in the previous eight years, 2018 (in thous.)



3.3. Unemployed by duration of job searching, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	412,2	87,7	88,1	128,1	108,2	...	265,4	146,7
Seek job for less than 12 months	167,2	36,8	44,7	45,0	40,7	...	106,3	60,9
Seek job from 12 to 24 months	73,5	17,3	15,3	21,0	19,9	...	47,9	25,6
Seek job from 2 to 6 years	98,9	22,4	17,1	31,5	27,9	...	65,6	33,3
Seek job for more than 7 years	72,5	11,2	10,9	30,6	19,8	...	45,7	26,8
Male	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
Seek job for less than 12 months	85,3	16,9	23,7	23,3	21,3	...	51,7	33,6
Seek job from 12 to 24 months	36,1	7,4	7,9	9,5	11,3	...	23,3	12,8
Seek job from 2 to 6 years	54,8	12,7	9,6	16,5	16,0	...	38,0	16,8
Seek job for more than 7 years	39,2	5,8	5,6	16,9	10,9	...	23,6	15,6
Female	196,8	45,0	41,2	61,9	48,6	...	128,8	68,0
Seek job for less than 12 months	81,9	19,9	20,9	21,7	19,3	...	54,6	27,4
Seek job from 12 to 24 months	37,4	9,9	7,4	11,6	8,5	...	24,6	12,8
Seek job from 2 to 6 years	44,1	9,7	7,5	14,9	12,0	...	27,6	16,5
Seek job for more than 7 years	33,3	5,5	5,3	13,7	8,8	...	22,1	11,3

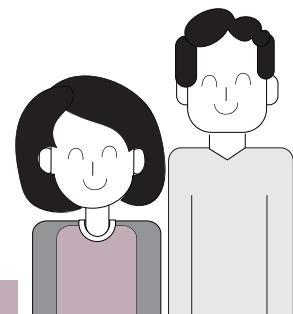
3.4. Unemployed by previous work experience, type of job sought, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	412,2	87,7	88,1	128,1	108,2	...	265,4	146,8
By previous work experience								
Had previous work experience	309,0	69,7	68,7	92,6	78,0	...	204,7	104,3
No previous work experience	103,1	18,0	19,3	35,6	30,2	...	60,7	42,4
By type of job sought								
Seek job to work independent	5,0	2,3	/	/	1,2	...	3,8	1,2
Seek job to work as employees	407,1	85,4	87,5	127,1	107,1	...	261,6	145,6
Male	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
By previous work experience								
Had previous work experience	166,6	35,7	37,8	50,3	42,8	...	107,3	59,3
No previous work experience	48,8	7,0	9,1	15,9	16,8	...	29,3	19,5
By type of job sought								
Seek job to work independent	3,4	1,5	/	/	/	...	2,7	/
Seek job to work as employees	212,0	41,3	46,6	65,4	58,7	...	133,9	78,1
Female	196,8	45,0	41,2	62,0	48,6	...	128,8	68,0
By previous work experience								
Had previous work experience	142,5	34,0	31,0	42,3	35,2	...	97,5	45,0
No previous work experience	54,3	11,0	10,2	19,7	13,4	...	31,4	23,0
By type of job sought								
Seek job to work independent	1,6	/	/	/	/	...	1,1	/
Seek job to work as employees	195,2	44,1	41,0	61,7	48,3	...	127,7	67,5

**3.5. Unemployed by registration with National Employment Service, by sex, region and type of settlement,
2018 (in thous.)**

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	412,2	87,7	88,1	128,1	108,2		265,4	146,8
According to NES records								
Registered with NES and receive allowance	9,3	2,0	2,3	3,1	2,0	...	6,4	2,9
Registered with NES and do not receive allowance	293,3	55,8	57,1	99,3	81,1	...	188,4	104,9
Not registered	109,5	29,9	28,7	25,7	25,2	...	70,6	38,9
Male	215,4	42,7	46,9	66,2	59,6	...	136,6	78,8
According to NES records								
Registered with NES and receive allowance	5,2	/	1,4	1,9	/	...	3,6	1,5
Registered with NES and do not receive allowance	146,4	24,5	29,6	50,2	42,1	...	93,1	53,3
Not registered	63,8	17,3	15,9	14,1	16,5	...	39,9	23,9
Female	196,8	45,0	41,2	62,0	48,6	...	128,8	68,0
According to NES records								
Registered with NES and receive allowance	4,2	/	/	1,2	1	...	2,8	1,4
Registered with NES and do not receive allowance	146,9	31,3	27,6	49,1	38,9	...	95,3	51,6
Not registered	45,7	12,6	12,8	11,6	8,7	...	30,7	15,0

4



Inactive

4.1. Inactive by age groups, sex, region and type of settlement, 2018 (in thous.)

	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	2710,0	628,9	752,4	725,9	602,7	...	1644,0	1066,0
15–24 years	508,9	118,5	131,9	146,7	111,8	...	325,9	183,0
25–34	152,6	36,5	41,8	40,8	33,4	...	92,4	60,1
35–44	123,7	24,1	38,5	31,9	29,2	...	68,9	54,8
45–54	178,4	34,2	58,4	45,5	40,3	...	94,6	83,8
55–64	505,0	113,3	148,3	135,3	108,1	...	304,6	200,4
65 +	1241,4	302,2	333,5	325,7	280,0	...	757,6	483,8
Males	1067,1	247,0	289,8	287,4	243,0	...	652,3	414,8
15–24 years	238,5	57,0	60,9	68,8	51,8	...	157,9	80,6
25–34	48,4	11,2	13,2	12,6	11,3	...	30,5	17,9
35–44	38,3	7,7	11,1	10,7	8,8	...	21,8	16,4
45–54	61,8	13,1	20,3	14,7	13,7	...	33,8	27,9
55–64	181,6	38,9	53,2	48,2	41,3	...	106,7	75,0
65 +	498,5	119,0	131,1	132,2	116,2	...	301,7	196,9
Females	1642,9	382,0	462,7	438,6	359,7	...	991,7	651,2
15–24 years	270,4	61,5	71,0	77,9	60,0	...	168,0	102,4
25–34	104,2	25,3	28,6	28,2	22,1	...	62,0	42,2
35–44	85,5	16,5	27,4	21,2	20,4	...	47,1	38,4
45–54	116,7	21,1	38,2	30,8	26,6	...	60,8	55,9
55–64	323,4	74,4	95,1	87,1	66,7	...	197,9	125,4
65 +	742,8	183,2	202,4	193,4	163,8	...	455,9	287,0

4.2. Inactive by educational attainment, sex, region and type of settlement, 2018 (in thous.)

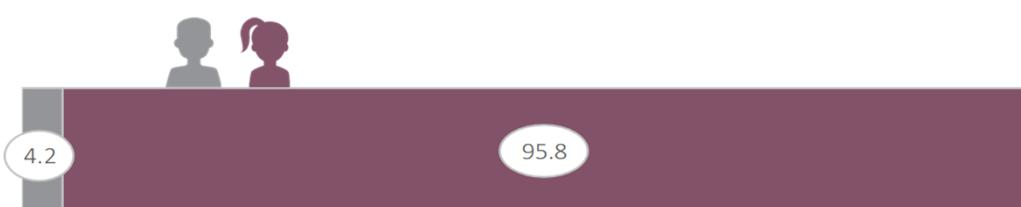
	Republic of Serbia							
	Srbija – sever				Srbija – jug		Type of settlement	
	Total	Beo-gradski region	Region Vojvo-dine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Total	2710,0	628,9	752,4	725,9	602,7	...	1644,0	1066,0
No formal education	72,3	7,9	21,1	19,8	23,5	...	24,8	47,5
Low	1114,9	171,3	318,5	338,4	286,6	...	524,9	589,9
Medium	1206,8	323,9	336,2	308,7	238,0	...	824,2	382,6
High	316,1	125,8	76,6	59,1	54,6	...	270,1	46,0
Males	1067,1	247,0	289,8	287,4	243,0	...	652,3	414,8
No formal education	12,2	2,1	5,1	1,4	3,6	...	4,7	7,5
Low	382,4	58,7	102,6	118,5	102,6	...	173,4	209,1
Medium	526,6	129,9	147,1	140,3	109,2	...	350,1	176,5
High	145,9	56,2	35,0	27,1	27,6	...	124,2	21,7
Females	1642,9	382,0	462,7	438,6	359,7	...	991,7	651,2
No formal education	60,0	5,8	16,0	18,4	19,9	...	20,0	40,0
Low	732,4	112,6	216,0	219,9	184,0	...	351,6	380,9
Medium	680,3	194,0	189,1	168,3	128,8	...	474,1	206,1
High	170,2	69,6	41,6	32,0	27,0	...	145,9	24,3



4.3. Inactive by possibilities to get employed, sex and region, 2018 (in thous.)

	Republic of Serbia							
	Sex		Srbija – sever			Srbija – jug		
	Total	Male	Female	Beo-gradski region	Region Vojvo-dine	Region Šuma-dije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Inactive	2710,0	1067,1	1642,9	628,9	752,4	725,9	602,7	...
By possibilities to get employed								
Desire and able to work	198,4	91,2	107,1	42,9	57,8	53,7	43,9	...
Desire. but cannot work due to:	113,7	36,3	77,3	35,1	33,5	24,3	20,8	...
Schooling or training	20,7	9,5	11,2	9,3	3,8	3,8	3,8	...
Personal or family reasons	51,3	6,4	44,9	13,0	16,7	11,4	10,2	...
Own illness	25,3	13,1	12,1	7,8	7,9	5,8	3,7	...
Other reasons	16,4	7,3	9,1	5,0	5,0	3,3	3,1	...
Do not want to work due to personal reasons								
Expecting to resume previous job (temporarily dismissed)	1,4	/	/	/	/	/	/	...
Illness or disability	318,8	136,5	182,3	62,1	90,6	88,7	77,4	...
Care of children or adult disabled persons	59,1	1,9	57,2	9,8	19,0	16,2	14,0	...
Other personal or family reasons	103,7	14,1	89,6	20,2	37,5	28,1	17,9	...
Schooling or training	459,8	218,7	241,1	111,4	113,4	135,0	100,1	...
Retired	776,7	314,6	462,1	196,8	222,5	190,5	166,8	...
Discouraged in possible finding job	69,3	21,2	48,1	9,9	18,5	20,7	20,2	...
Other reasons	54,0	20,4	33,6	8,0	17,7	14,9	13,4	...
Inactive persons aged 75 and over	555,2	211,5	343,7	132,5	141,5	153,1	128,1	...

Graph. 19. Inactive not seeking employment because they take care of children or of adult persons with disability, by sex, 2018 (%)



4.4. Inactive by previous work experience, income sources, sex and region, 2018 (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
Total	2710,0	1067,1	1642,9	628,9	752,4	725,9	602,7	...
By previous work experience								
Had previous work experience	1887,3	796,2	1091,1	464,0	532,5	478,5	412,3	...
No work experience	822,7	270,9	551,8	165,0	219,9	247,4	190,5	...
By main income sources								
Salary/pension of spouse/parent/other household members	1007,6	352,5	655,1	218,5	290,2	282,6	216,2	...
Support from other relatives/friends	35,0	14,8	20,2	8,3	7,4	10,0	9,3	...
Own pension entitlement	1479,4	602,7	876,7	372,8	395,3	384,3	326,9	...
Unemployment insurance	11,4	7,8	3,6	1,8	2,9	4,0	2,7	...
Student grant/student loan	2,5	1,2	1,3	/	/	/	/	...
Casual jobs/small-range agricultural production	43,9	32,4	11,5	6,1	10,1	14,5	13,2	...
Welfare	90,8	35,8	55,0	11,5	32,2	18,9	28,3	...
Parent allowance	3,6	/	2,9	/	/	1,5	/	...
Receipts from rents/interest/dividend	6,3	3,6	2,7	1,0	3,8	1,0	/	...
Personal savings	14,7	8,6	6,1	4,1	4,7	3,2	2,7	...
Credits or borrowings	/	/	/	-	-	/	/	...
Aid from humanitarian or religious organizations	/	/	/	/	/	-	/	...
Other	14,7	6,9	7,8	2,7	4,3	5,3	2,3	...

4.5. Insufficiently used potential labor force, 15-74 years, 2018 (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
Total	575,0	287,5	287,5	121,5	168,6	156,5	128,4	...
Insufficiently used manpower¹	360,9	189,9	171,0	74,4	106,0	99,4	81,1	...
Potential manpower²	214,1	97,5	116,5	47,1	62,6	57,0	47,3	...
Seeking job but can not work ³	17,6	7,4	10,2	4,6	5,6	4,0	3,4	...
They can work but do not seek job ⁴	196,5	90,2	106,3	42,5	57,1	53,0	43,8	...
Out of which:								
Discouraged persons	66,3	31,1	35,2	10,5	16,8	19,9	19,1	...

¹ Includes persons who work less than full time and wish and are able to work more hours.

² Includes inactive persons who are in some manner connected to the labour market.

³ Includes the following categories: persons who seek job, as well as persons who have already found job, but cannot start working within two weeks ; persons who exclusively seek job in a passive manner (waiting for a call from the National Employment Service, results of work competition or job application); persons who have found job where they have to start working within the deadline longer than three months.

⁴ Includes persons who although did not seek job wish and can start working within two weeks. This category includes discouraged who have lost hope in the possibility of finding job.



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 1 January 2018 to 1 April 2018, and the period of interviews for the whole quarter extended from 8 January 2018 to 15 April 2018.

For the second quarter the period of observation included 13 referent weeks – from 2 April to 1 July 2018. The period of surveying for the whole quarter extended from 9 April to 15 July 2018.

For the third quarter the period of observation included 13 referent weeks – from 2 July to 30 September 2018, while the period of interviews for the whole quarter extended from 9 July to 10 October 2018.

For the fourth quarter the period of observation included 13 referent weeks – from 1 October 2018 to 30 December 2018, while the period of interviews for the quarter extended from 8 October 2018 to 13 January 2019.

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

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

NEET rate represents share of persons aged 15-24 years, without employment, that don't attend education or training in total population of that age.

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, Severnobačka, Severnobačka, Srednjobanatska, Sremska, Zlatiborska, Kolubarska, Mačvanska, Moravička, Pomoravska, Rasinska, Raška, Šumadijska, Borska, Braničevska, Zaječarska, Jablanička, Nišavska, Pirotska, 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 74360 households in 7436 enumeration areas. The sample was increased in 2018 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 2018 observed were 52 weeks.

Sample selection – The sample for 2018 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 131447 persons were interviewed, and data on working activity were collected for 115997 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

Dissemination and public relations unit

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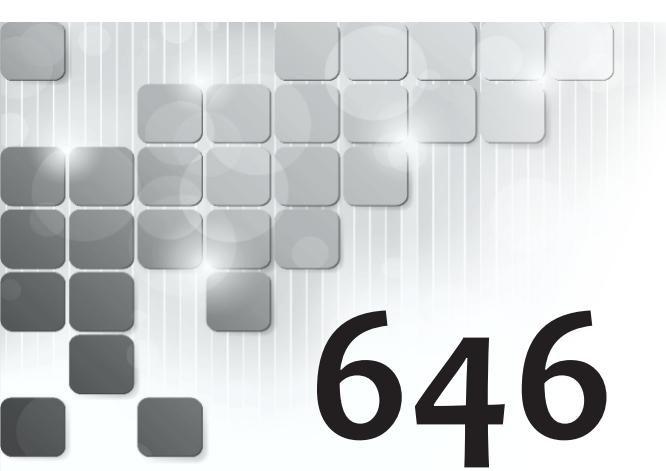
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