



Statistical Office of the Republic of Serbia

OP3C CPB HJE

ISSN 0354-3641

BULLETIN

LABOUR FORCE SURVEY IN THE REPUBLIC OF SERBIA, 2022



Belgrade, 2023

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Bulletin – Labour Force Survey in the Republic of Serbia, 2022

Published and printed by: Statistical Office of the Republic of Serbia, Belgrade, 5 Milana Rakića St.
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 | PREFACE

In this publication, the Statistical Office of the Republic of Serbia (SORS) has announced the results of the Labor Force Survey for 2022.

Since 2015, the Survey has been implemented as a continuous research in the Republic of Serbia, and since 2021, the SORS has moved to the new, redesigned methodology of the Survey, in accordance with the new Regulation of the European Parliament and the Council. International recommendations and definitions were used in defining the basic labor force contingents, so that the information obtained from this survey is the most important source of data in the field of labor statistics, which are comparable in content and methodology with similar data from other countries.

Data in this survey are intended for a wide range of users in the country, and they are provided to numerous international organizations, at their request.

The bulletin consists of several parts. The first part contains movement of basic labor market indicators at annual level (year of 2021/2022). The basic indicators of the population aged 15+ (rates and absolute values) is given in the second part. The third part presents the basic indicators of the employed population aged 15-89. The fourth part contains basic indicators of the unemployed population (aged 15-74), while indicators related to outside the labor force population and potentially active population can be found in the fifth part. Methodological explanations and the sample design are given at the end of the bulletin.

Belgrade, 2023

Director
Miladin Kovačević, PhD

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ANNUAL ANALYSIS OF LABOUR FORCE SURVEY RESULTS, 2022

Basic indicators

In 2022, the number of the employed persons aged from 15 to 89 in Serbia amounted to 2 913 500, representing an increase of 64 700 or 2,3% compared to the year preceding. Employment rate has increased from 48,6% in 2021 to 50,3% in 2022. The number of unemployed is reduced by 50 300 (14.3%), and in the year of 2022 it amounted to 302 200, while the number of outside the labor force population has reduced by 75 900 (2.9%) amounting to 2 579 800 in 2022. Unemployment rate was 9.4%, while the rate of outside the labor force population was 44,55 in the year of 2022.

Unemployment rate is the lowest in Belgrade region (7,8%)

Among the regions, Belgrade region still has the highest value of employment rate (54,2%), for age of 1,7 pp against the year preceding, even though the highest annual growth of employment rate is recorded in the Region of South and East Serbia, for 2,3 pp, reaching the level of 45,5%. In Šumadija and West Serbia Region, the employment rate is increased by 1,6 pp against the year of 2021 and it amounts 50,3%, while Vojvodina Region, with employment rate of 50,4%, records the lowest annual growth of (1,1 pp).

Reduction of unemployment is the most visible in the Region of Šumadija and West Serbia, where the number of unemployed was reduced by 20 700 at annual level, and the unemployment rate is lower by 2,2 pp, and in the year of 2022 it records the value of 10,4%. The unemployment rate is at the same time lower in other regions compared to the year of 2021. South and East Serbia Region, despite the reduction of 2,0 pp, still has the highest value of unemployment rate (11,7%) against other regions. Unemployment rate is the lowest in Belgrade region (7,8%), while in Vojvodina region it is 8,2%. Apart from recording the lowest unemployment rate, Belgrade region also records the lowest rate outside the labor force population of 41,2%, which represents the drop of 1,2 pp against the year of 2021. In the Region of South and East Serbia, the rate of population outside the labor force is lower by 1,5 pp and it amounts 48,5%, while the said rate in the remaining two regions is only slightly reduced (by 0,4 pp) and it amounts 45,1% in Vojvodina Region and 43,9% in the Region of Šumadija and West Serbia.

Activity rate is the highest in Belgrade Region (58,8%), followed by Šumadija and West Serbia Region (56,1%) and Vojvodina Region (54,9%), while the lowest, same as the year preceding, is in the Region of South and East Serbia (51,5%).

Position of young people at the labor market

The contingent of young people aged from 15 to 24 continued to decrease in the year of 2022. Population of young people in the year of 2022 amounted to 685 000 and compared to the year of 2021 it is less by 9 800 (1,4%).

Employment rate of young population in the year of 2022 amounts to 24,7%, representing the insignificant growth (0,2 pp) compared to the year of 2021. Observed by regions, employment rate of young people is the highest in Vojvodina Region and it is 27,5%.

Population of young people outside the labor force also records and insignificant annual growth (0,7 pp) and it amounts 67,4%, while unemployment rate in this age category is lower than previous year by 2,0 pp and in the year of 2022 it amounts 24,4%. The both specified rates record the highest value in the Region of South and East Serbia – unemployment rate of 29,9%, and population outside the labor force of 69,3%.

NEET rate, which represents share of people aged 15–24, who neither work nor are in the process of education or training, in the total population of the said age for the year of 2022 amounted to 13,0%, and compared to the year of 2021 it is reduced by 3,4 pp.

Percentage of young people aged between 18 and 24, who completed the elementary school in the best case and did not continue further schooling (did not attend school or training in the preceding four weeks) is also reduced at the annual level by 1,3 pp, and in the year of 2022 it was 5,0%.

Position of women at the labor market

Employment rate records the growth in both sexes in the year of 2022. In women it is higher by 1,9 pp, and in men by 1,4 pp and it amounts 43,2%, i.e. 57,9% respectively. Traditional difference between the employment rates of men and women in favor of men is significantly reduced this year and it amounts to 14,7 pp while in the year of 2021 it amounted 15,1 pp.

Compared to the year of 2021, the female unemployment rate is lower by 2,2 pp, while the unemployment rate in the male population by 1,1 pp. These rates amounted to 9,8% at females and 9,0% at males in the year of 2021.

At the same time, the outside the labor force population rate in female population was 52,1% which is a decrease of 0,9 pp compared to 2021, while this rate in male population was 36,4 % which is decrease for 0,7 pp relative to the year 2021.

The difference in the unemployment rate of women and men is 0,8 pp in favor of men, while the outside the labor force population rate in the female population is higher by 15.7 pp than in the male population.

Highest growth of employment is in the group of machine and plant operators, fitters and drivers in the Region of East and South Serbia

According to the professional status, employed can be divided into three main groups: self-employed (with or without employees), employees and unpaid family workers. The biggest annual growth of employment occurred in the category of employees (employed with employer), by 49 600, reaching the level of 2 242 000 in the year of 2022. Number of unpaid family workers for the year of 2022 amounts to 192 500 and against the year of 2021 it is greater by 20 500, while the number of self-employed persons is less by 5 400 and in the year of 2022 it amounts 479 000.

Observed by the main groups of occupation by regions, the biggest growth of employment is recorded in the group Machine and plant operators, fitters and drivers, where in the year of 2022 against 2021 an increase of 23 300 employed persons is recorded at the level of the Republic of Serbia, out of which 16 200 in the Region of East and South Serbia. More significant annual growth of employment is recorded also in the occupation group Engineers, professional assistants and technicians, where there is 15 200 of employed more than in the year of 2021, out of which 10 500 is in Vojvodina Region.

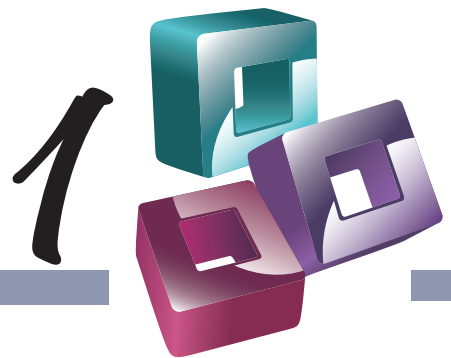
Observed by educational structure of employed, there is a dominant increase of employment in the year of 2022 against 2021 in the category of persons with completed secondary school (annual growth of 48 900), while reduction of 11 500 is recorded at employed persons with lower level of education.

Number of formally employed is greater by 43 400, while informal employment has increased by 21 300, dominantly in category of unpaid family workers (20 500 persons).

Decreasing number of employed working from home

Compared to the year preceding, in 2022 the number of employed persons working full time has increased by 90 300 and in the year of 2022 more than 2 700 000 employed work full time, while number of employed with working hours shorter than full time has been reduced by 25 700 in the year of 2022 and slightly more than 200 000 employed in this year work shorter than full time.

Also, the practice of working from home, established during the coronavirus pandemic, is increasingly waning after the easing of measures, which is evidenced by the smaller number of employed persons who have and use the possibility to work from home. Compared to the year 2021, number of employed persons who work from home permanently or partly is less than 64 000 and in the year of 2022 it was 184 100.



Population aged 15 and over

Table 1.1. Basic contingents of work force by age groups, 2022/2021

	2022	2021 (r)	Changes against previous year	
		(thous.)	(thous.)	%
Population aged 15 and over	5795.5	5856.9	-61.4	-1.0
Active	3215.6	3201.2	14.4	0.5
Employed	2913.5	2848.8	64.7	2.3
Unemployed	302.2	352.4	-50.3	-14.3
Outside the labor force	2579.8	2655.7	-75.9	-2.9
Young-age population (15–24)	685.0	694.8	-9.8	-1.4
Active	223.5	231.5	-7.9	-3.4
Employed	169.1	170.3	-1.2	-0.7
Unemployed	54.4	61.2	-6.7	-11.0
Outside the labor force	461.5	463.4	-1.9	-0.4
Working-age population (15–64)	4331.0	4386.6	-55.7	-1.3
Active	3091.5	3081.7	9.8	0.3
Employed	2791.4	2730.6	60.9	2.2
Unemployed	300.1	351.2	-51.1	-14.5
Outside the labor force	1239.5	1304.9	-65.5	-5.0

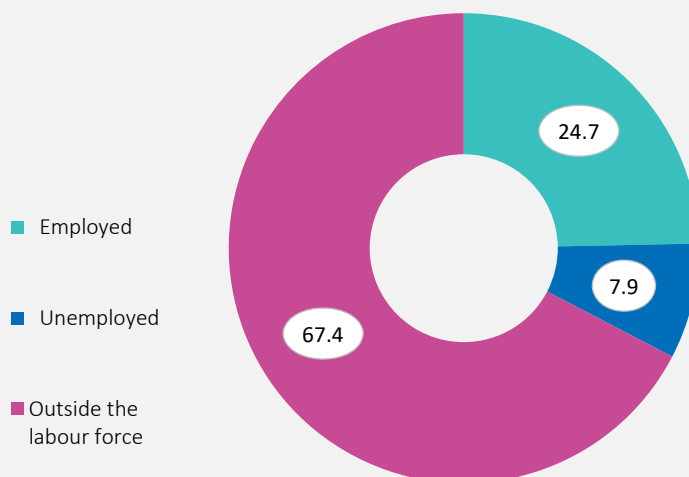
Table 1.2. Activity, employment, unemployment and outside the labor force rates by age groups, 2022/2021

	2022	2021 (r)	Changes against the previous year
	%	%	in percentages, points
Population aged 15 and over			
Activity rate	55.5	54.7	0.8
Employment rate	50.3	48.6	1.7
Unemployment rate	9.4	11.0	-1.6
Outside the labor force rate	44.5	45.3	-0.8
Young-age population (15–24)			
Activity rate	32.6	33.3	-0.7
Employment rate	24.7	24.5	0.2
Unemployment rate	24.4	26.4	-2.0
Outside the labor force rate	67.4	66.7	0.7
Working-age population (15–64)			
Activity rate	71.4	70.3	1.1
Employment rate	64.5	62.2	2.3
Unemployment rate	9.7	11.4	-1.7
Outside the labor force rate	28.6	29.7	-1.1

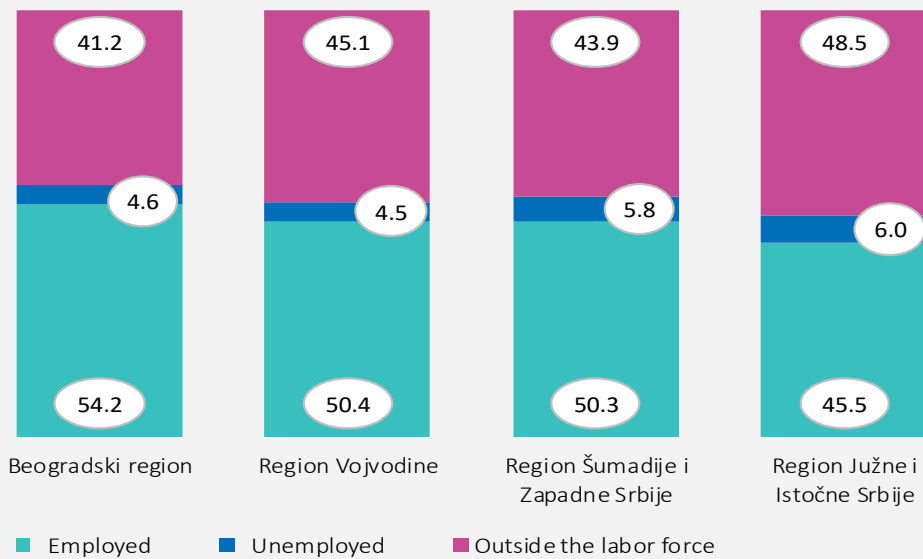
Tabela 1.3. Population by work status, age groups, region and type of settlement, 2022.

	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
Population aged 15 and over (in thous.)	5795.5	1429.7	1555.6	1595.0	1215.2	...	3412.4	2383.0
Active	3215.6	840.4	853.9	895.5	625.9	...	1882.4	1333.3
Employed	2913.5	774.5	783.5	802.6	552.8	...	1690.4	1223.1
Unemployed	302.2	65.9	70.3	92.9	73.1	...	192.0	110.1
Outside the labor force	2579.8	589.3	701.8	699.5	589.3	...	1530.1	1049.8
Activity rate (%)	55.5	58.8	54.9	56.1	51.5	...	55.2	55.9
Employment rate (%)	50.3	54.2	50.4	50.3	45.5	...	49.5	51.3
Unemployment rate (%)	9.4	7.8	8.2	10.4	11.7	...	10.2	8.3
Outside the labor force rate (%)	44.5	41.2	45.1	43.9	48.5	...	44.8	44.1
Young-age population (15–24) (in thous.)	685.0	155.0	185.5	198.3	146.2	...	397.9	287.1
Active	223.5	50.0	64.5	64.1	44.9	...	111.2	112.4
Employed	169.1	39.1	50.9	47.5	31.5	...	81.4	87.7
Unemployed	54.4	10.9	13.6	16.6	13.4	...	29.8	24.7
Outside the labor force	461.5	105.0	121.0	134.2	101.3	...	286.8	174.7
Activity rate (%)	32.6	32.3	34.8	32.3	30.7	...	27.9	39.1
Employment rate (%)	24.7	25.3	27.5	24.0	21.5	...	20.5	30.6
Unemployment rate (%)	24.4	21.7	21.1	25.9	29.9	...	26.8	22.0
Outside the labor force rate (%)	67.4	67.7	65.2	67.7	69.3	...	72.1	60.9
Working-age population (in thous.) (15–64)	4331.0	1086.6	1179.1	1177.4	887.9	...	2566.4	1764.5
Active	3091.5	817.3	831.3	841.8	601.1	...	1847.5	1244.0
Employed	2791.4	752.7	761.4	749.4	528.0	...	1657.1	1134.3
Unemployed	300.1	64.6	70.0	92.4	73.1	...	190.4	109.7
Outside the labor force	1239.5	269.3	347.8	335.6	286.8	...	718.9	520.6
Activity rate (%)	71.4	75.2	70.5	71.5	67.7	...	72.0	70.5
Employment rate (%)	64.5	69.3	64.6	63.6	59.5	...	64.6	64.3
Unemployment rate (%)	9.7	7.9	8.4	11.0	12.2	...	10.3	8.8
Outside the labor force rate (%)	28.6	24.8	29.5	28.5	32.3	...	28.0	29.5

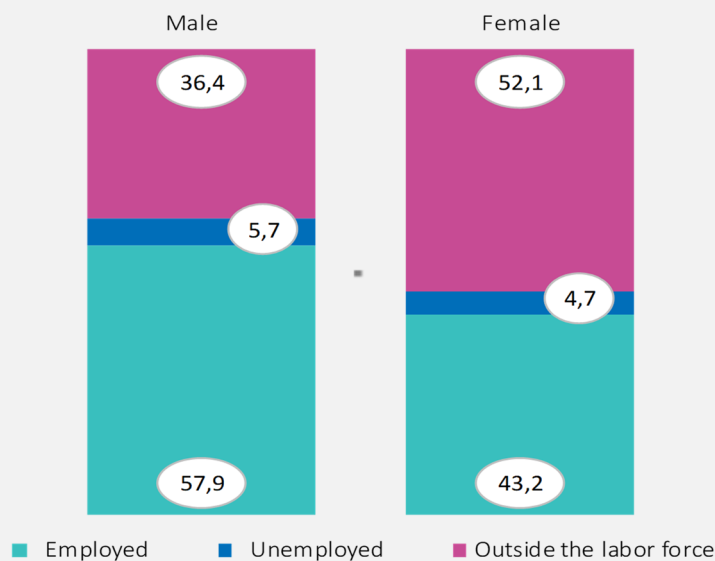
Graph 1. Work status of persons aged 15–24, for the year of 2022 (y %)



Graph. 2. Employed, unemployed and outside the labor force structure by regions, 2022 (in %)



Graph. 3. Employed, unemployed and outside the labor force structure by sex, 2022 (in %)



Tabele 1.4. Male population by work status, age groups, region and types of settlements, 2022.

	Republic of Serbia							
	Total	Srbija – sever		Srbija – jug			Type of settlement	
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	Urban	Other
Aged 15 and over (in thous.)	2793.8	663.0	751.6	780.3	598.9	...	1601.7	1192.1
Active	1777.0	437.6	483.0	500.8	355.6	..	1001.3	775.7
Employed	1616.4	402.6	443.6	453.0	317.1	...	897.7	718.8
Unemployed	160.5	35.0	39.4	47.7	38.4	...	103.6	56.9
Outside the labor force	1016.8	225.4	268.5	279.5	243.4	...	600.4	416.4
Activity rate (%)	63.6	66.0	64.3	64.2	59.4	...	62.5	65.1
Employment rate (%)	57.9	60.7	59.0	58.1	53.0	...	56.0	60.3
Unemployment rate (%)	9.0	8.0	8.2	9.5	10.8	...	10.3	7.3
Outside the labor force rate (%)	36.4	34.0	35.7	35.8	40.6	...	37.5	34.9
Young age (15–24) (in thous.)	352.3	79.4	95.4	101.9	75.6	...	203.5	148.8
Active	137.8	29.9	39.9	39.3	28.7	..	68.6	69.1
Employed	105.8	22.8	31.3	30.0	21.7	...	49.5	56.2
Unemployed	32.0	7.1	8.6	9.3	7.0	...	19.1	12.9
Outside the labor force	214.5	49.5	55.5	62.6	46.9	...	134.8	79.7
Activity rate (%)	39.1	37.6	41.8	38.6	38.0	...	33.7	46.5
Employment rate (%)	30.0	28.7	32.8	29.5	28.7	...	24.3	37.8
Unemployment rate (%)	23.2	23.8	21.6	23.6	24.5	...	27.9	18.6
Outside the labor force rate (%)	60.9	62.4	58.2	61.4	62.0	...	66.3	53.5
Working age (15–64) (in thous.)	2167	524	595	595	453	...	1257.3	909
Active	1697.4	422.9	466.9	467.5	340.1	..	978.8	718.6
Employed	1538.6	389.0	427.8	420.1	301.7	...	876.5	662.1
Unemployed	158.8	33.9	39.1	47.4	38.4	...	102.3	56.5
Outside the labor force	469.4	101.3	127.8	127.1	113.2	...	278.5	190.9
Activity rate (%)	78.3	80.7	78.5	78.6	75.0	...	77.8	79.0
Employment rate (%)	71.0	74.2	71.9	70.7	66.6	...	69.7	72.8
Unemployment rate (%)	9.4	8.0	8.4	10.1	11.3	...	10.4	7.9
Outside the labor force rate (%)	21.7	19.3	21.5	21.4	25.0	...	22.2	21.0

Table 1.5. Female population by work status, age groups, region and type of settlement, 2022.

	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
Aged 15 and over (in thous.)	3001.6	766.7	804.0	814.7	616.2	...	1810.7	1190.9
Active	1438.7	402.8	370.8	394.7	270.3	..	881.1	557.6
Employed	1297.0	371.9	339.9	349.6	235.6	...	792.7	504.4
Unemployed	141.6	30.9	30.9	45.2	34.7	...	88.4	53.2
Outside the labor force	1563.0	363.9	433.2	419.9	345.9	...	929.7	633.3
Activity rate (%)	47.9	52.5	46.1	48.5	43.9	...	48.7	46.8
Employment rate (%)	43.2	48.5	42.3	42.9	38.2	...	43.8	42.4
Unemployment rate (%)	9.8	7.7	8.3	11.4	12.8	...	10.0	9.5
Outside the labor force rate (%)	52.1	47.5	53.9	51.5	56.1	...	51.3	53.2
Young age (15–24) (in thous.)	332.7	75.6	90.1	96.4	70.6	...	194.5	138.3
Active	85.8	20.1	24.6	24.8	16.2	..	42.5	43.2
Employed	63.3	16.4	19.6	17.5	9.8	...	31.9	31.5
Unemployed	22.4	3.8	5.0	7.3	6.4	...	10.7	11.8
Outside the labor force	247.0	55.5	65.5	71.6	54.4	...	151.9	95.0
Activity rate (%)	25.8	26.6	27.3	25.8	22.9	...	21.9	31.3
Employment rate (%)	19.0	21.7	21.8	18.2	13.9	...	16.4	22.8
Unemployment rate (%)	26.2	18.7	20.3	29.5	39.3	...	25.1	27.2
Outside the labor force rate (%)	74.2	73.4	72.7	74.2	77.1	...	78.1	68.7
Working age (15–64) (in thous.)	2164.2	562.3	584.4	582.8	434.6	...	1309.1	855.1
Active	1394.1	394.4	364.5	374.2	261.1	..	868.7	525.4
Employed	1252.8	363.7	333.6	329.2	226.4	...	780.6	472.2
Unemployed	141.3	30.7	30.9	45.0	34.7	...	88.1	53.2
Outside the labor force	770.1	168.0	220.0	208.6	173.6	...	440.3	329.7
Activity rate (%)	64.4	70.1	62.4	64.2	60.1	...	66.4	61.4
Employment rate (%)	57.9	64.7	57.1	56.5	52.1	...	59.6	55.2
Unemployment rate (%)	10.1	7.8	8.5	12.0	13.3	...	10.1	10.1
Outside the labor force rate (%)	35.6	29.9	37.6	35.8	39.9	...	33.6	38.6

Table 1.6. Population by age groups, sex and work status, 2022 (in thous.)

	Total	Active	Employed	Unemployed	Outside the labor force
Total	5795.5	3215.6	2913.5	302.2	2579.8
15–19 years	339.7	42.4	26.5	15.9	297.3
20–24	345.3	181.1	142.6	38.5	164.1
25–29	394.5	316.6	278.7	37.9	77.9
30–34	439.7	378.0	338.7	39.3	61.6
35–39	475.3	423.8	383.1	40.7	51.6
40–44	497.0	439.1	405.5	33.6	57.8
45–49	480.2	414.5	380.1	34.3	65.7
50–54	445.5	361.2	337.5	23.7	84.3
55–59	437.4	311.8	288.8	22.9	125.6
60–64	476.6	223.0	209.9	13.2	253.5
65–69	527.7	75.4	73.5	1.8	452.4
70–74	389.0	32.3	32.1	/	356.7
75 +	547.8	16.5	16.5	-	531.3
Male	2793.8	1777.0	1616.4	160.5	1016.8
15–19 years	174.5	29.2	19.7	9.5	145.3
20–24	177.8	108.6	86.1	22.5	69.2
25–29	203.5	179.0	158.3	20.7	24.5
30–34	223.8	207.9	186.5	21.4	15.9
35–39	240.5	224.9	206.3	18.6	15.6
40–44	253.4	233.0	216.6	16.4	20.3
45–49	240.4	221.2	205.8	15.5	19.2
50–54	219.1	191.8	178.6	13.3	27.3
55–59	210.0	167.8	156.2	11.6	42.2
60–64	223.9	133.9	124.6	9.3	90.0
65–69	241.0	47.3	45.7	1.5	193.8
70–74	169.4	20.8	20.6	/	148.6
75 +	216.6	11.5	11.5	-	205.1
Female	3001.6	1438.7	1297.0	141.6	1563.0
15–19 years	165.3	13.2	6.8	6.4	152.0
20–24	167.5	72.5	56.5	16.0	95.0
25–29	191.0	137.6	120.3	17.2	53.4
30–34	215.8	170.1	152.3	17.8	45.7
35–39	234.8	198.8	176.8	22.0	36.0
40–44	243.6	206.1	188.9	17.2	37.5
45–49	239.8	193.3	174.4	18.9	46.5
50–54	226.4	169.3	158.9	10.4	57.1
55–59	227.3	144.0	132.6	11.3	83.4
60–64	252.7	89.2	85.3	3.9	163.5
65–69	286.7	28.1	27.8	/	258.6
70–74	219.6	11.5	11.5	/	208.1
75 +	331.1	4.9	4.9	-	326.2

Table 1.7. Population (aged 15-89) by education, sex and work status, 2022 (in thous.)

	Total	Active	Employed	Unemployed	Outside the labor force
Persons (15-89)	5771.5	3215.6	2913.5	302.2	2555.9
No formal education	46.2	5.0	2.9	2.1	41.2
Primary	1473.5	433.0	383.8	49.2	1040.5
Secondary	3079.7	1906.4	1710.5	195.9	1173.3
Higher	1172.1	871.2	816.2	55.0	300.9
Early school leavers (aged 18-24), in thous. ⁽¹⁾	24.2	14.1	8.9	5.1	10.1
Early school leavers rate (aged 18-24), (%) ⁽²⁾	5.0	6.5	5.4	9.9	3.8
NEET- Persons age 15–24 not employed and not attending education or training (in thous.)	89.1	46.8	-	46.8	42.3
NEET rate (Share of people aged 15–24 not employed and not attending education or training) (%) ⁽³⁾	13.0	20.9	-	85.9	9.2
Male (15-89)	2784.8	1777.0	1616.4	160.5	1007.8
No formal education	12.5	2.5	1.7	0.7	10.0
Primary	607.7	250.8	222.6	28.2	356.9
Secondary	1634.4	1130.7	1021.5	109.2	503.7
Higher	530.2	393.0	370.6	22.4	137.2
Early school leavers (aged 18-24), in thous. ⁽¹⁾	14.7	11.2	7.4	3.8	3.5
Early school leavers rate (aged 18-24), (%) ⁽²⁾	5.9	8.4	7.2	12.4	3.0
NEET- Persons aged 15–24 not employed and not attending education or training (in thous.)	47.2	28.8	-	28.8	18.4
NEET rate (Share of people aged 15–24 not employed and not attending education or training) (%) ⁽³⁾	13.4	20.9	-	89.9	8.6
Female (15-89)	2986.8	1438.7	1297.0	141.6	1548.1
No formal education	33.7	2.6	1.2	1.3	31.1
Primary	865.8	182.1	161.2	20.9	683.6
Secondary	1445.3	775.7	689.0	86.7	669.6
Higher	642.0	478.3	445.6	32.6	163.7
Early school leavers (aged 18-24), in thous. ⁽¹⁾	9.5	2.9	1.5	1.4	6.7
Early school leavers rate (aged 18-24), (%) ⁽²⁾	4.1	3.4	2.4	6.3	4.5
NEET- Persons aged 15–24 not employed and not attending education or training (in thous.)	41.9	18.0	-	18.0	23.9
NEET rate (Share of people aged 15–24 not employed and not attending education or training) (%) ⁽³⁾	12.6	21.0	-	80.2	9.7

Table 1.8. Persons (aged 15-89) status by subjective opinion, sex, region and type of settlement, 2022 (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
Persons (15-89)	5771.5	1421.0	1550.8	1589.5	1210.3	...	3398.1	2373.4
Employed	2461.2	706.0	678.8	632.1	444.3	...	1559.1	902.1
Unemployed	825.3	157.9	212.7	235.3	219.2	...	429.4	395.9
Retired	1557.0	359.1	404.8	442.3	350.7	...	922.0	634.9
Person unable to work due to long-term health problem	66.0	17.4	18.8	18.0	11.9	...	32.5	33.5
Pupil/student, postgraduate student, unpaid interns	490.1	116.7	124.9	143.2	105.3	...	315.7	174.4
Person doing housework in their household (househusband, housewife)	353.1	57.3	106.1	116.7	73.0	...	129.8	223.3
Other	16.7	5.5	4.0	1.8	5.4	...	7.7	8.9
Male (15- 89)	2784.8	659.6	749.8	778.7	596.7	...	1596.7	1188.1
Employed	1360.4	364.6	379.4	362.8	253.6	...	819.2	541.2
Unemployed	439.5	75.9	118.8	130.4	114.4	...	216.1	223.4
Retired	686.9	146.6	175.2	200.8	164.3	...	386.8	300.0
Person unable to work due to long-term health problem	35.7	9.7	10.6	10.2	5.3	...	19.1	16.6
Pupil/student, postgraduate student, unpaid interns	227.7	55.4	57.1	64.4	50.9	...	147.2	80.5
Person doing housework in their household (househusband, housewife)	23.1	2.5	6.6	8.7	5.3	...	2.5	20.5
Other	10.8	4.7	2.0	1.4	2.7	...	5.0	5.8
Female (15-89)	2986.8	761.3	801.0	810.8	613.6	...	1801.4	1185.3
Employed	1100.8	341.4	299.5	269.2	190.6	...	739.9	360.9
Unemployed	385.7	82.0	93.9	105.0	104.9	...	213.3	172.4
Retired	870.1	212.5	229.6	241.5	186.4	...	535.2	334.9
Person unable to work due to long-term health problem	30.3	7.7	8.2	7.9	6.5	...	13.4	16.9
Pupil/student, postgraduate student, unpaid interns	262.4	61.4	67.8	78.8	54.5	...	168.5	94.0
Person doing housework in their household (househusband, housewife)	330.0	54.8	99.5	108.0	67.7	...	127.3	202.8
Other	5.9	/	1.9	/	2.7	...	2.7	3.2

Graph. 4. Employed, unemployed and outside the labor force structure according to the highest level of completed education, 2022 (in %)

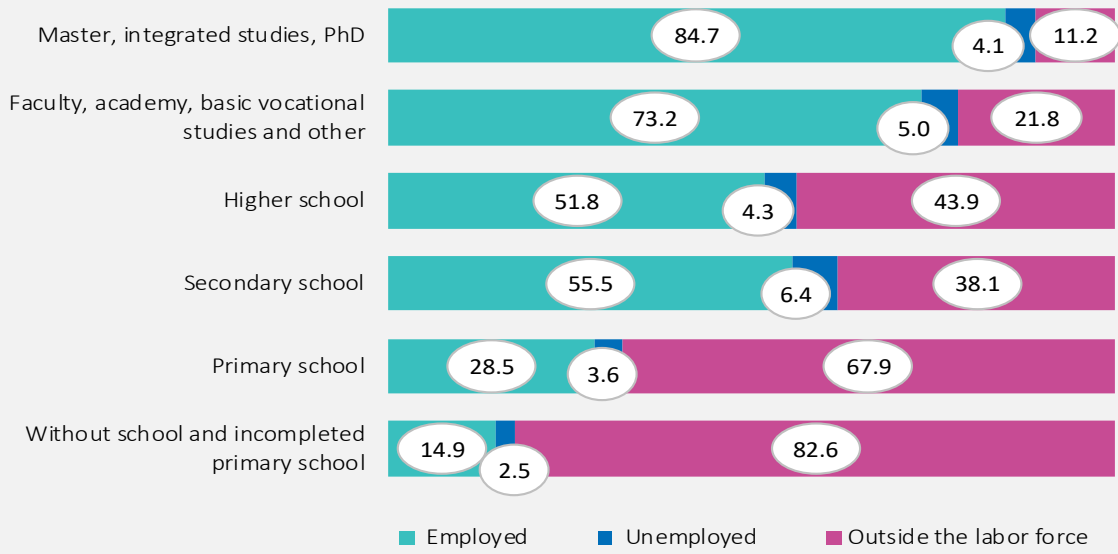
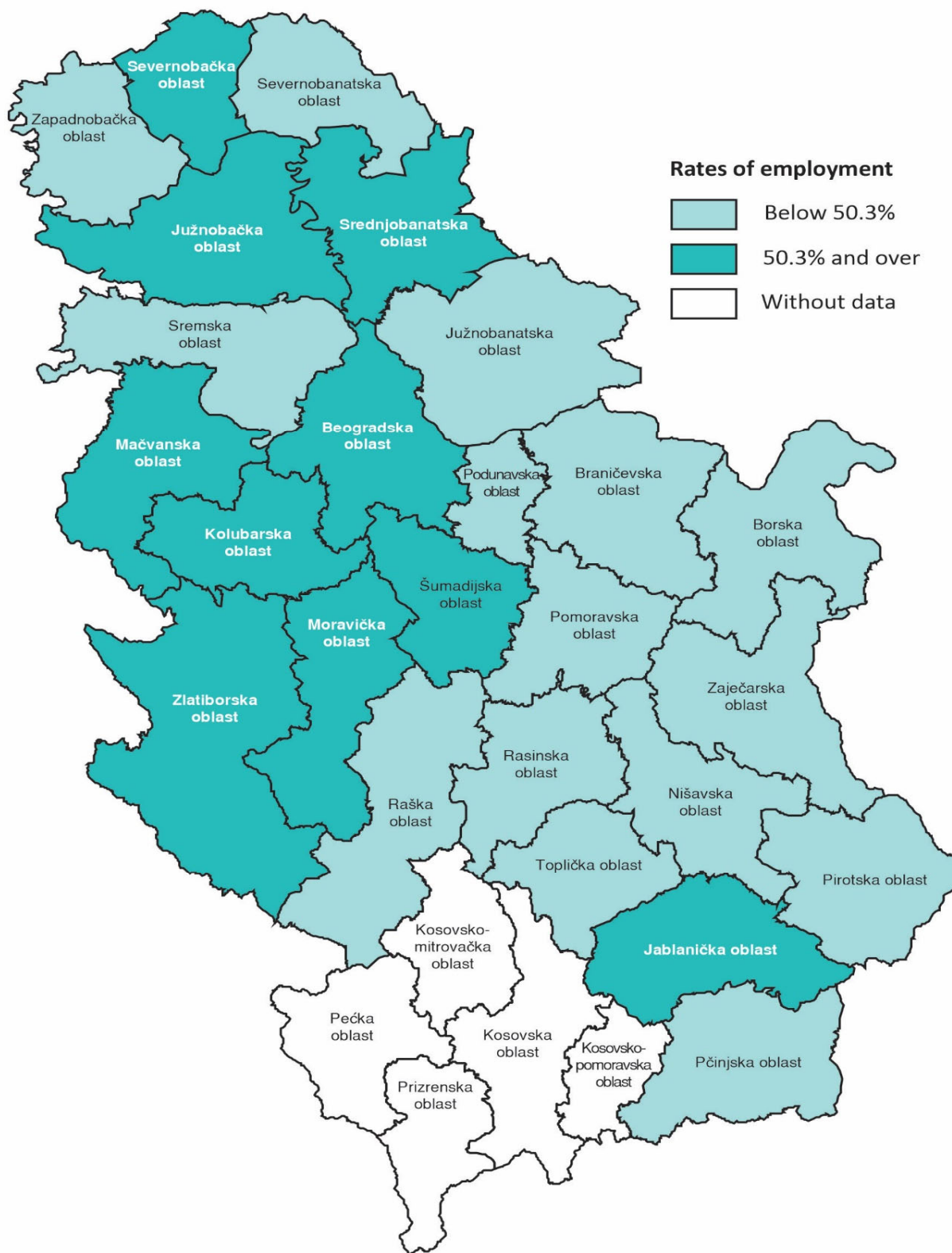


Table 1.9. Activity, employment, unemployment and outside the labor force rates (age 15 +) by districts, 2022 (in %)

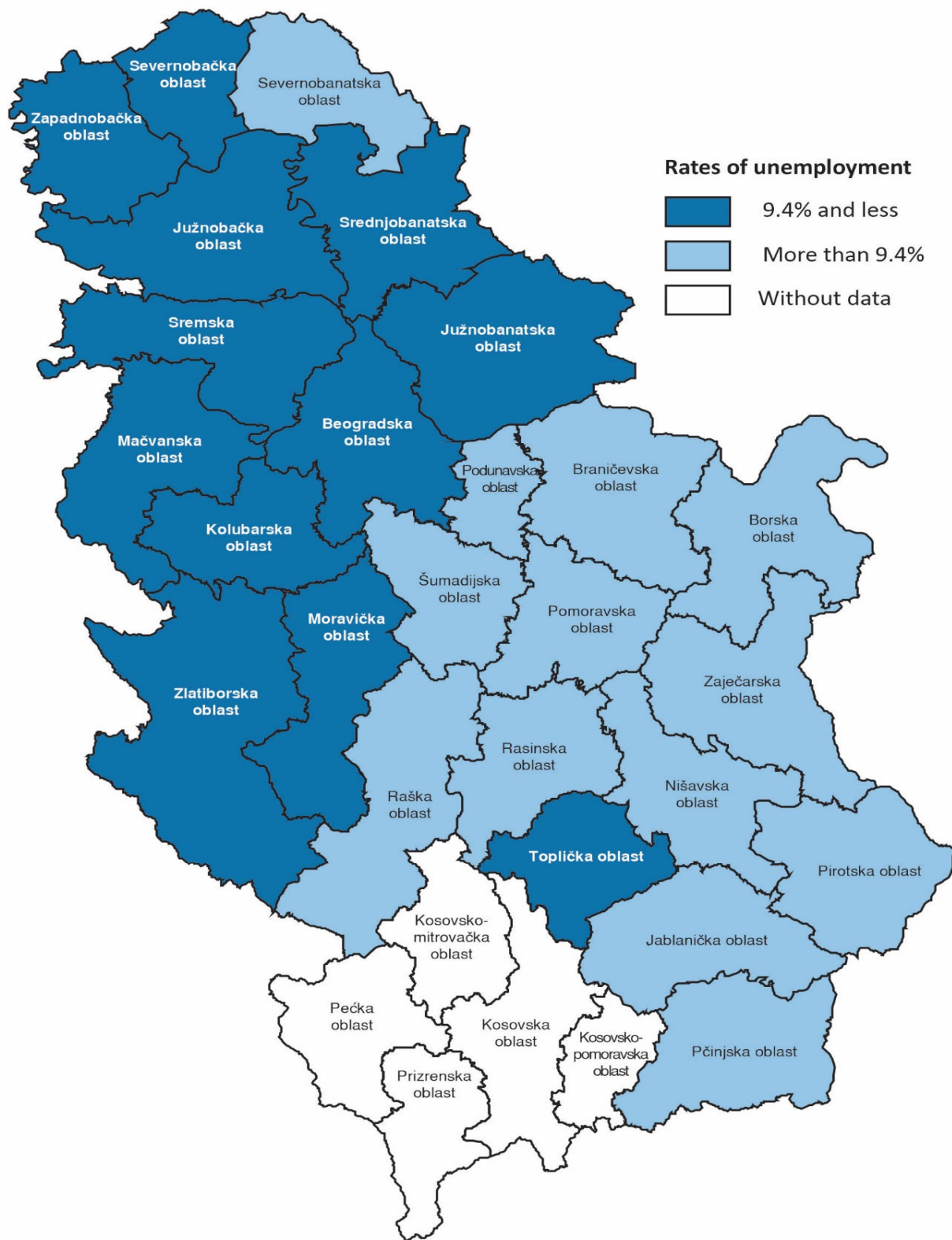
	Activity rate	Employment rate	Unemployment rate	Outside the labor force rate
City of Belgrade	58.8	54.2	7.8	41.2
North Bačka District	58.1	53.9	7.3	41.9
Central Banat district	55.1	50.5	8.3	44.9
North Banat district	53.1	46.7	12.0	46.9
South Banat district	53.4	49.0	8.3	46.6
West Bačka district	50.9	46.3	9.2	49.1
South Bačka district	57.1	52.9	7.4	42.9
Srem district	52.6	48.2	8.4	47.4
Mačva district	58.7	53.9	8.2	41.3
Kolubara district	62.8	58.7	6.4	37.2
Podunavlje district	54.5	47.1	13.5	45.5
Braničevo district	54.6	47.1	13.6	45.4
Šumadija district	58.1	52.0	10.6	41.9
Pomoravlje district	53.0	44.0	16.9	47.0
Bor district	49.7	42.6	14.3	50.3
Zaječar district	47.1	40.9	13.2	52.9
Zlatibor district	55.8	51.3	8.1	44.2
Moravica district	59.8	57.5	4.0	40.2
Raška district	51.2	42.1	17.7	48.8
Rasina district	51.8	46.1	11.0	48.2
Nišava district	49.7	44.1	11.3	50.3
Toplica district	49.4	45.7	7.6	50.6
Pirot district	50.0	44.2	11.7	50.0
Jablanica district	56.0	50.5	9.8	44.0
Pčinja district	48.3	43.6	9.8	51.7

Map 1. Rate of employment by districts, 2022



Rate of employment in the Republic of Serbia = 50.3%

Map 2. Rate of unemployment by districts, 2022



Rate of unemployment in the Republic of Serbia = 9.4%



Employed

Table 2.1. Employed by age groups, sex, region and type of settlement, 2022 (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
Employed (15–89)	2913.5	774.5	783.5	802.6	552.8	...	1690.4	1223.1
15–24 years	169.1	39.1	50.9	47.5	31.5	...	81.4	87.7
25–34	617.4	173.2	168.3	159.4	116.5	...	358.5	258.9
35–44	788.6	229.1	215.0	197.7	146.8	...	510.7	277.9
45–54	717.6	190.9	192.3	194.8	139.7	...	434.0	283.6
55–64	498.7	120.4	134.8	149.9	93.5	...	272.5	226.2
65 +	122.0	21.8	22.2	53.3	24.8	...	33.2	88.8
Male	1616.4	402.6	443.6	453.0	317.1	...	897.7	718.8
15–24 years	105.8	22.8	31.3	30.0	21.7	...	49.5	56.2
25–34	344.8	87.0	96.0	92.7	69.1	...	193.9	150.8
35–44	422.9	118.7	118.9	106.5	78.9	...	263.6	159.3
45–54	384.3	97.2	105.0	105.7	76.4	...	221.5	162.8
55–64	280.8	63.4	76.6	85.3	55.6	...	147.9	132.9
65 +	77.8	13.6	15.8	32.9	15.5	...	21.2	56.7
Female	1297.0	371.9	339.9	349.6	235.6	...	792.7	504.4
15–24 years	63.3	16.4	19.6	17.5	9.8	...	31.9	31.5
25–34	272.6	86.2	72.3	66.8	47.3	...	164.6	108.0
35–44	365.7	110.4	96.1	91.2	68.0	...	247.1	118.6
45–54	333.3	93.7	87.3	89.1	63.3	...	212.5	120.8
55–64	217.9	57.0	58.3	64.6	38.0	...	124.6	93.3
65 +	44.2	8.2	6.3	20.4	9.3	...	12.1	32.2

Table 2.2. Employed by level of education, sex, region and type of settlement, 2022 (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
Employed (15–89)	2913.5	774.5	783.5	802.6	552.8	..	1690.4	1223.1
No formal education	2.9	/	1828.2	/	/	..	/	2.5
Primary	383.8	39.5	114.9	144.6	84.8	...	95.4	288.3
Secondary	1710.5	396.5	479.7	495.5	338.8	..	929.7	780.8
Higher	816.2	338.4	187.1	162.1	128.7	..	664.8	151.5
Male	1616.4	402.6	443.6	453.0	317.1	...	897.7	718.8
No formal education	1.7	/	1.2	/	/	...	/	1.6
Primary	222.6	21.1	75.5	79.4	46.7	...	54.5	168.1
Secondary	1021.5	229.8	285.6	298.2	208.0	...	539.5	482.0
Higher	370.6	151.7	81.3	75.4	62.1	...	303.6	67.0
Female	1297.0	371.9	339.9	349.6	235.6	...	792.7	504.4
No formal education	1.2	/	/	/	/	...	/	/
Primary	161.2	18.4	39.4	65.3	38.1	...	41.0	120.2
Secondary	689.0	166.7	194.1	197.3	130.8	...	390.2	298.8
Higher	445.6	186.7	105.7	86.6	66.6	...	361.2	84.5

Table 2.3. Employed (age 15-89 and 15-64) by professional status, sex, region and type of settlement, 2022 (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
Employed (15–89)	2913.5	774.5	783.5	802.6	552.8	...	1690.4	1223.1
Self-employed with employees	101.8	30.4	24.2	30.3	16.8	...	71.8	30.0
Self-employed w/o employees	377.2	76.0	94.9	130.3	76.0	...	151.9	225.3
Employees	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Unpaid family worker	192.5	15.2	30.0	97.7	49.6	...	19.3	173.1
Working age (15–64)	2791.4	752.7	761.4	749.4	528.0	...	1657.1	1134.3
Self-employed with employees	97.1	29.2	22.4	29.1	16.3	...	68.4	28.6
Self-employed w/o employees	317.7	68.8	83.3	103.3	62.3	...	138.8	179.0
Employees	2223.4	642.9	630.1	541.9	408.5	...	1433.8	789.6
Unpaid family worker	153.2	11.7	25.5	75.1	41.0	...	16.1	137.1
Male								
Employed (15–89)	1616.4	402.6	443.6	453.0	317.1	...	897.7	718.8
Self-employed with employees	75.8	21.6	17.5	24.2	12.4	...	52.7	23.1
Self-employed w/o employees	295.9	54.4	75.6	106.1	59.9	...	106.2	189.7
Employees	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Unpaid family worker	58.6	5.1	10.6	27.5	15.4	...	7.4	51.3
Working age (15–64)	1538.6	389.0	427.8	420.1	301.7	...	876.5	662.1
Self-employed with employees	72.4	20.9	16.3	23.3	12.0	...	50.6	21.8
Self-employed w/o employees	245.5	48.9	65.8	82.4	48.3	...	96.7	148.7
Employees	1174.4	315.5	337.1	293.6	228.2	...	723.3	451.0
Unpaid family worker	46.3	3.7	8.6	20.9	13.1	...	5.8	40.5
Female								
Employed (15–89)	1297.0	371.9	339.9	349.6	235.6	...	792.7	504.4
Self-employed with employees	26.0	8.8	6.7	6.1	4.4	...	19.1	6.9
Self-employed w/o employees	81.3	21.7	19.3	24.2	16.1	...	45.7	35.6
Employees	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Unpaid family worker	133.8	10.0	19.5	70.1	34.2	...	12.0	121.9
Working age (15–64)	1252.8	363.7	333.6	329.2	226.4	...	780.6	472.2
Self-employed with employees	24.7	8.3	6.2	5.9	4.3	...	17.8	6.8
Self-employed w/o employees	72.2	19.9	17.5	20.8	14.0	...	42.0	30.2
Employees	1049.0	327.5	293.0	248.3	180.2	...	710.5	338.6
Unpaid family worker	106.9	7.9	16.9	54.2	27.8	...	10.3	96.6

Table 2.4. Employed by usual working hours, sex, region and type of settlement, 2022 (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
Employed (15–89)	2913.5	774.5	783.5	802.6	552.8	...	1690.4	1223.1
1–14 hours	14.6	4.1	4.8	3.3	2.4	...	6.7	7.9
15–35	124.2	28.7	33.3	41.0	21.3	...	57.4	66.8
36–48	2212.9	639.7	618.7	547.4	407.2	...	1434.9	778.1
49–59 hours	161.9	35.9	33.2	63.5	29.2	...	56.6	105.4
More than 60 work hours	171.7	28.4	34.3	71.3	37.8	...	49.1	122.6
Usual work hours varying week by week	228.0	37.7	59.3	76.1	54.9	...	85.7	142.3
Male	1616.4	402.6	443.6	453.0	317.1	...	897.7	718.8
1–14 hours	6.0	1.6	2.2	1.0	1.1	...	2.4	3.6
15–35	57.2	11.5	16.6	18.2	10.9	...	28.6	28.6
36–48	1155.8	315.5	328.7	289.2	222.4	...	725.6	430.2
49–59 hours	110.2	25.7	24.7	39.9	19.8	...	43.5	66.7
More than 60 work hours	136.4	22.8	28.9	56.5	28.1	...	40.5	95.9
Usual work hours varying week by week	150.9	25.4	42.5	48.1	34.8	...	57.1	93.8
Female	1297.0	371.9	339.9	349.6	235.6	...	792.7	504.4
1–14 hours	8.6	2.5	2.6	2.3	1.3	...	4.3	4.4
15–35	67.0	17.2	16.7	22.8	10.4	...	28.8	38.2
36–48	1057.1	324.2	290.0	258.1	184.8	...	709.3	347.9
49–59 hours	51.8	10.2	8.6	23.6	9.4	...	13.1	38.7
More than 60 work hours	35.3	5.5	5.3	14.8	9.6	...	8.5	26.7
Usual work hours varying week by week	77.2	12.3	16.8	28.0	20.2	...	28.6	48.5

Table 2.5. Employed by usual working hours and professional status, 2022 (%)

	1–14 hours	15–35	36–48	49–59 hours	More than 60 work hours	Usual work hours varying week by week
Employed by professional status						
Self-employed with employees	/	3.0	55.9	11.3	15.1	14.4
Self-employed w/o employees	1.5	10.1	23.5	15.7	19.6	29.6
Employees	0.2	2.2	91.1	2.4	2.1	2.0
Unpaid family worker	2.0	17.7	13.4	18.9	18.5	29.4

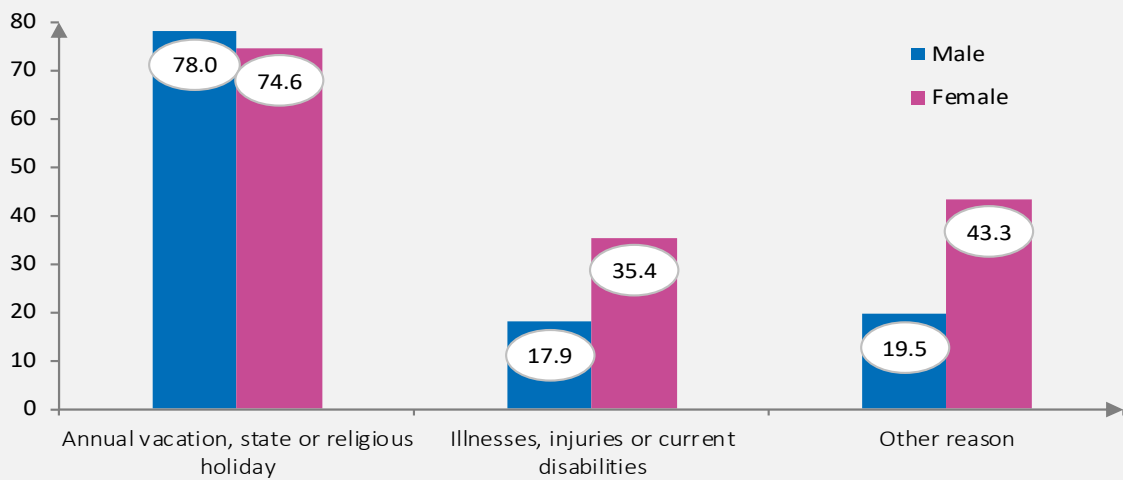
Table 2.6. Employed by usual working hours and major occupation groups, 2022 (%)

	1–14 hours	15–35	36–48	49–59 hours	More than 60 work hours	Usual work hours varying week by week
Managers (directors), officials and legislators	/	1.5	74.9	8.2	7.5	7.5
Professional and art experts	0.6	3.4	89.4	1.7	1.4	3.4
Engineers, associate professionals and technicians	0.3	2.6	91.3	1.6	1.3	2.9
Administrative workers	/	1.7	95.7	0.8	0.5	1.3
Service and trade occupations	0.5	3.2	86.9	3.4	2.3	3.6
Farmers, foresters, fisherman and related	1.3	12.7	12.0	20.3	25.8	28.0
Craft workers and related	/	3.2	76.8	6.4	6.3	7.1
Machine and plant operators, fitters and drivers	/	1.0	87.0	3.9	3.6	4.5
Simple occupations	1.0	7.4	69.6	4.8	4.5	12.7
Military occupations	-	-	99.0	-	/	-

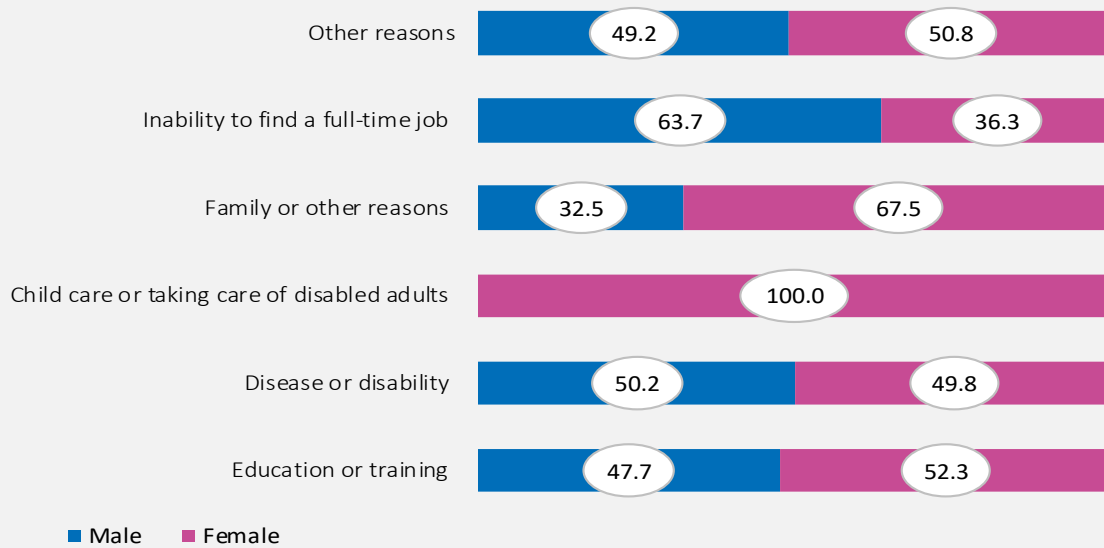
Table 2.7. Employed by usual working hours and sector of activity, 2022 (%)

	1–14 hours	15–35	36–48	49–59 hours	More than 60 work hours	Usual work hours varying week by week
Agriculture, forestry and fishing	1.2	12.2	17.2	18.2	23.4	27.8
Mining and quarrying	-	-	95.3	/	2.7	/
Process manufacturing	/	1.2	92.7	2.1	1.8	2.1
Electricity, gas and vapor supply	-	/	97.3	/	-	/
Water supply, waste management	/	/	87.0	3.6	/	6.0
Construction	/	5.2	53.3	13.9	15.0	12.5
Wholesale and retail trade; repair of motor vehicles	0.5	2.5	87.1	3.5	2.4	4.0
Transportation and storage	/	1.7	80.4	4.8	5.0	7.9
Accommodation and food service activities	/	3.3	81.5	6.8	3.4	4.6
Information and communication	/	1.7	89.4	2.9	1.3	4.3
Financial and insurance activities	/	/	96.0	/	/	/
Real estate activities	-	/	81.8	/	/	/
Professional, scientific, innovation and technical activities	/	3.9	82.8	4.1	3.3	5.5
Administrative and support service activities	/	5.6	83.2	/	/	7.1
Public administration and defence; compulsory social security	/	/	97.6	/	/	0.8
Education	0.7	4.8	93.3	/	/	0.7
Human health and social work activities	/	3.6	93.5	0.9	1.3	0.6
Arts, entertainment and recreation	2.6	8.2	67.6	4.1	2.4	15.2
Other service activities	/	6.4	70.3	4.5	3.2	14.7
Activities of households as employers	/	41.8	28.4	/	/	16.1
Act of extraterritorial organizations and bodies	-	-	100.0	-	-	-

Graph. 5. Employed by reason of absence from work all business day or part of the day, by sex, 2022 (in thousands)



Graph. 6. Employed by reasons of of part-time employment by sex (in %), 2022

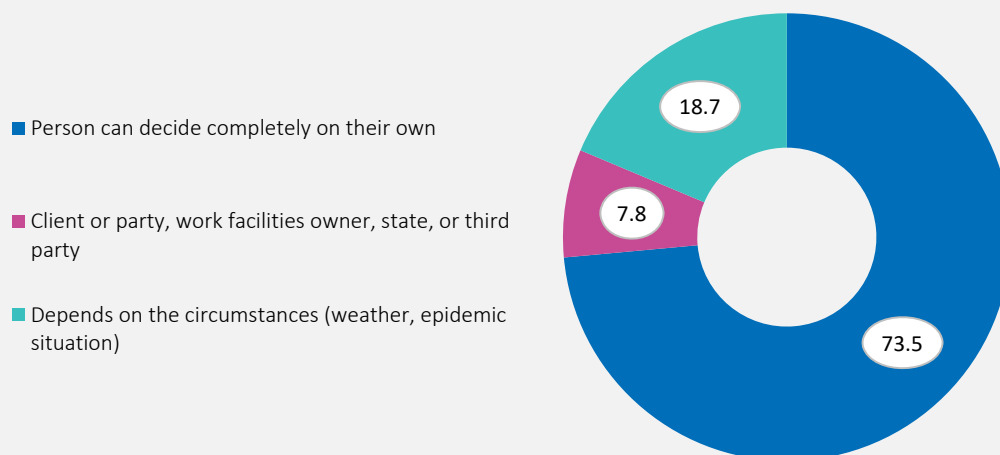


2.8. Employed by ownership and work hours, sex and region, 2022 (in thous.)

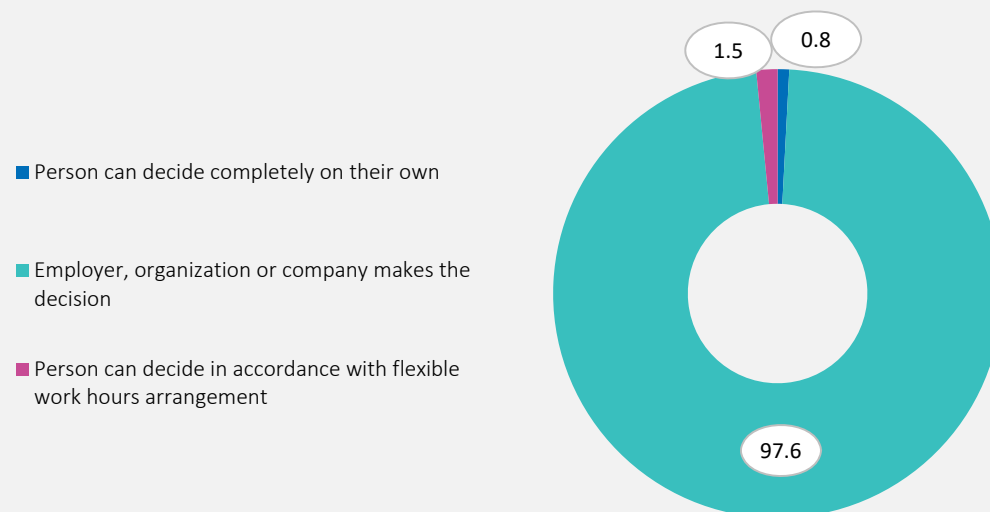
	Republic of Serbia							
	Total	Sex		Srbija – sever		Srbija – jug		
		male	female	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Employed (15–89)	2913.5	1616.4	1297.0	774.5	783.5	802.6	552.8	...
Private ownership	2164.4	1259.0	905.4	537.6	604.0	616.3	406.5	...
Full-time	1984.0	1167.9	816.1	501.2	556.1	557.1	369.5	...
Part-time	180.5	91.1	89.3	36.4	47.9	59.2	36.9	...
State ownership	719.5	338.0	381.5	225.7	173.4	181.1	139.3	...
Full-time	704.9	334.2	370.7	221.3	168.5	178.0	137.1	...
Part-time	14.6	3.8	10.8	4.4	4.9	3.1	2.2	...
Other forms of ownership 1)	29.6	19.5	10.1	11.2	6.1	5.2	7.0	...
Full-time	21.9	14.8	7.1	7.5	4.9	4.8	4.8	...
Part-time	7.7	4.7	3.0	3.8	1.3	/	2.3	...
Working age population (15–64)	2791.4	1538.6	1252.8	752.7	761.4	749.4	528.0	...
Private ownership	2048.0	1184.7	863.3	519.0	583.1	563.3	382.6	...
Full-time	1908.5	1115.8	792.7	489.0	542.7	521.8	355.0	...
Part-time	139.5	68.9	70.7	30.0	40.4	41.6	27.6	...
State ownership	715.3	335.5	379.8	223.3	172.2	180.9	138.9	...
Full-time	701.7	331.9	369.8	219.3	167.7	177.9	136.8	...
Part-time	13.6	3.6	10.0	4.0	4.6	3.0	2.1	...
Other forms of ownership 1)	28.1	18.4	9.7	10.4	6.1	5.1	6.5	...
Full-time	21.1	14.3	6.7	7.2	4.8	4.8	4.3	...
Part-time	7.0	4.1	2.9	3.2	1.3	/	2.2	...

¹⁾ Other forms of ownership include joint ownership, ownership in business entities where privatisation has not been completed, and ownership in an organization without the form of ownership.

Graph. 7. Self-employed and unpaid family workers by decision-makers on their work hours, 2022 (%)



Graph. 7a. Employees by decision-makers on their work hours, 2022 (%)



2.9. Employed by sector of activity, sex and region, 2022 (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
Employed (15–89)	2913.5	1616.4	1297.0	774.5	783.5	802.6	552.8	...
No reply	-	-	-	-	-	-	-	...
Agriculture, forestry and fishing	430.6	258.5	172.1	28.3	105.8	192.4	104.2	...
Mining and quarrying	36.5	32.0	4.4	9.1	3.7	10.3	13.3	...
Process manufacturing	582.2	346.0	236.3	78.6	192.1	187.8	123.7	...
Electricity, gas and vapor supply	38.1	28.8	9.3	13.1	8.5	7.4	9.1	...
Water supply, waste water management	42.6	30.7	11.9	9.3	10.9	14.2	8.3	...
Construction	172.8	159.6	13.2	41.0	46.3	51.4	34.1	...
Wholesale and retail trade; repair of motor vehicles	390.7	173.3	217.4	128.7	108.8	90.6	62.7	...
Transportation and storage	157.6	126.5	31.1	56.6	40.7	32.4	27.8	...
Accommodation and food service activities	100.8	51.7	49.1	33.8	23.9	27.1	16.0	...
Information and communication	105.5	70.1	35.5	62.3	22.8	11.9	8.6	...
Financial and insurance activities	49.5	17.5	32.0	21.3	11.6	9.8	6.6	...
Real estate activities	6.3	3.2	3.1	3.5	/	/	/	...
Professional, scientific, innovation and technical activities	112.2	54.7	57.6	62.7	23.5	16.9	9.2	...
Administrative and support service activities	61.6	35.4	26.1	29.1	15.6	7.5	9.4	...
Public administration and defence; compulsory social security	150.1	85.1	65.0	46.8	33.0	36.6	33.7	...
Education	181.4	45.1	136.3	53.5	54.4	40.9	32.6	...
Human health and social work activities	171.8	38.8	133.0	48.9	50.7	38.3	34.0	...
Arts, entertainment and recreation	59.9	34.2	25.7	21.5	15.2	12.9	10.2	...
Other service activities	52.3	22.9	29.4	20.6	12.7	11.9	7.1	...
Activities of households as employers	9.3	1.4	7.9	4.1	2.4	1.4	1.4	...
Act of extraterritorial organizations and bodies	1.6	1.1	/	1.6	-	-	-	...

2.9. Employed by sector of activity, sex and region, 2022 (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
Working age (15–64)	2791.4	1538.6	1252.8	752.7	761.4	749.4	528.0	...
No reply	-	-	-	-	-	-	-	...
Agriculture, forestry and fishing	341.5	201.8	139.7	22.2	92.7	143.9	82.8	...
Mining and quarrying	36.4	32.0	4.4	9.1	3.7	10.2	13.3	...
Manufacturing	577.5	342.6	234.8	77.0	190.6	186.6	123.3	...
Electricity, gas and steam supply	37.9	28.6	9.3	13.1	8.5	7.4	8.9	...
Water supply, waste water management	42.5	30.5	11.9	9.3	10.8	14.2	8.2	...
Construction	170.0	156.8	13.2	39.8	45.7	51.0	33.5	...
Wholesale and retail trade; repair of motor vehicles	385.7	170.4	215.3	126.4	107.4	89.6	62.3	...
Transportation and storage	154.3	123.3	31.0	55.0	39.7	32.1	27.5	...
Accommodation and food service activities	99.8	51.1	48.7	33.6	23.7	26.6	15.9	...
Information and communication	104.5	69.1	35.3	61.5	22.6	11.9	8.5	...
Financial and insurance activities	49.1	17.4	31.7	21.0	11.6	9.8	6.6	...
Real estate activities	5.9	2.9	2.9	3.4	/	/	/	...
Professional, scientific, innovation and technical activities	107.4	52.8	54.6	60.3	22.0	16.4	8.6	...
Administrative and support service activities	59.3	33.8	25.5	27.7	14.9	7.5	9.2	...
Public administration and defence; compulsory social security	149.0	84.6	64.4	46.2	32.9	36.4	33.5	...
Education	180.3	44.2	136.1	52.9	53.9	40.9	32.6	...
Human health and social work activities	170.0	38.3	131.6	48.0	50.1	38.0	33.8	...
Arts, entertainment and recreation	59.1	33.6	25.6	21.0	15.1	12.9	10.2	...
Other service activities	51.3	22.2	29.1	20.2	12.4	11.7	7.0	...
Activities of households as employers	8.4	1.3	7.1	3.4	2.3	1.3	1.3	...
Act of extraterritorial organizations and bodies	1.6	1.1	/	1.6	-	-	-	...

2.10. Employed by sector of activity and age groups, 2022 (in thous.)

	15–34 years	35–54	55 +
Total	786.5	1506.2	620.7
Agriculture, forestry and fishing	63.6	163.7	203.4
Mining and quarrying	11.1	20.2	5.1
Process manufacturing	188.0	306.7	87.5
Electricity, gas and vapor supply	6.5	22.6	8.9
Water supply, waste water management	7.7	25.1	9.8
Construction	43.9	97.4	31.6
Wholesale and retail trade; repair of motor vehicles	124.5	218.6	47.7
Transportation and storage	38.9	87.4	31.3
Accommodation and food service activities	44.2	41.9	14.6
Information and communication	45.1	51.4	9.1
Financial and insurance activities	13.6	28.5	7.4
Real estate activities	/	4.2	1.2
Professional, scientific, innovation and technical activities	34.3	56.7	21.3
Administrative and support service activities	17.3	31.1	13.1
Public administration and defence; compulsory social security	28.1	95.0	27.0
Education	37.0	106.1	38.3
Human health and social work activities	40.8	88.2	42.8
Arts, entertainment and recreation	25.4	24.9	9.6
Other service activities	14.4	30.7	7.2
Activities of households as employers	1.3	4.5	3.5
Act of extraterritorial organizations and bodies	-	1.3	/

Graph. 8. Employed by sector of activity and age groups, (in %), 2022

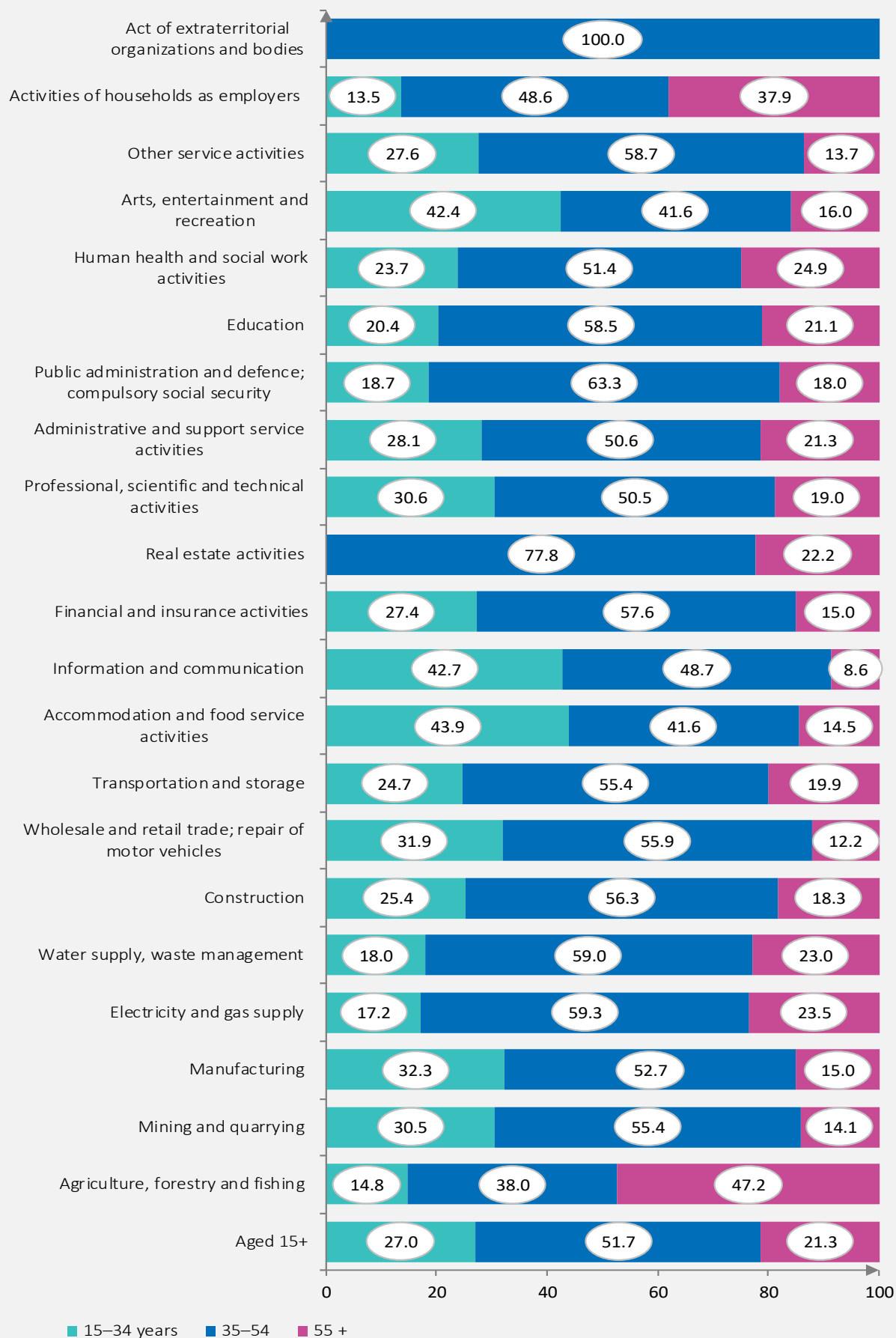


Table 2.11. Employed (age 15-89 and 15-64) by occupation, sex and region, 2022 (in thous.)

	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
Employed (15–89)	2913.5	1616.4	1297.0	774.5	783.5	802.6	552.8	...
Managers (directors), officials and legislators	109.2	70.4	38.8	40.6	28.6	24.2	15.9	...
Professional and art experts	446.6	193.5	253.1	198.5	111.5	78.8	57.9	...
Engineers, associate professionals and technicians	334.0	153.4	180.6	102.9	94.9	79.8	56.4	...
Administrative workers	251.2	102.3	148.9	104.5	57.5	54.2	35.0	...
Service and trade occupations	431.6	180.1	251.5	130.8	115.8	107.6	77.4	...
Farmers, foresters, fisherman and related	368.5	217.2	151.4	24.3	69.3	179.9	94.9	...
Craft workers and related	363.7	302.2	61.5	68.2	103.5	120.1	71.9	...
Machine and plant operators, assemblers and drivers	341.5	255.9	85.5	45.6	120.4	87.4	88.0	...
Simple occupations	250.9	127.0	123.9	56.0	79.8	66.7	48.5	...
Military occupations	16.3	14.4	1.9	3.1	2.3	4.0	6.9	...
Working age (15–64)	2791.4	1538.6	1252.8	752.7	761.4	749.4	528.0	...
Managers (directors), officials and legislators	106.9	68.7	38.3	39.6	27.9	23.6	15.8	...
Professional and art experts	439.3	189.9	249.4	194.9	109.5	77.9	57.0	...
Engineers, associate professionals and technicians	330.9	151.2	179.7	101.7	94.0	79.1	56.2	...
Administrative workers	248.6	101.5	147.1	102.9	56.9	54.2	34.7	...
Service and trade occupations	424.1	175.8	248.3	126.9	113.9	106.7	76.6	...
Farmers, foresters, fisherman and related	281.5	162.0	119.5	18.3	56.9	132.2	74.0	...
Craft workers and related	359.3	298.3	61.0	66.2	102.5	119.4	71.3	...
Machine and plant operators, assemblers and drivers	337.3	252.0	85.3	44.0	119.1	86.8	87.5	...
Simple occupations	246.9	124.8	122.2	55.0	78.5	65.4	48.0	...
Military occupations	16.3	14.4	1.9	3.1	2.3	4.0	6.9	...

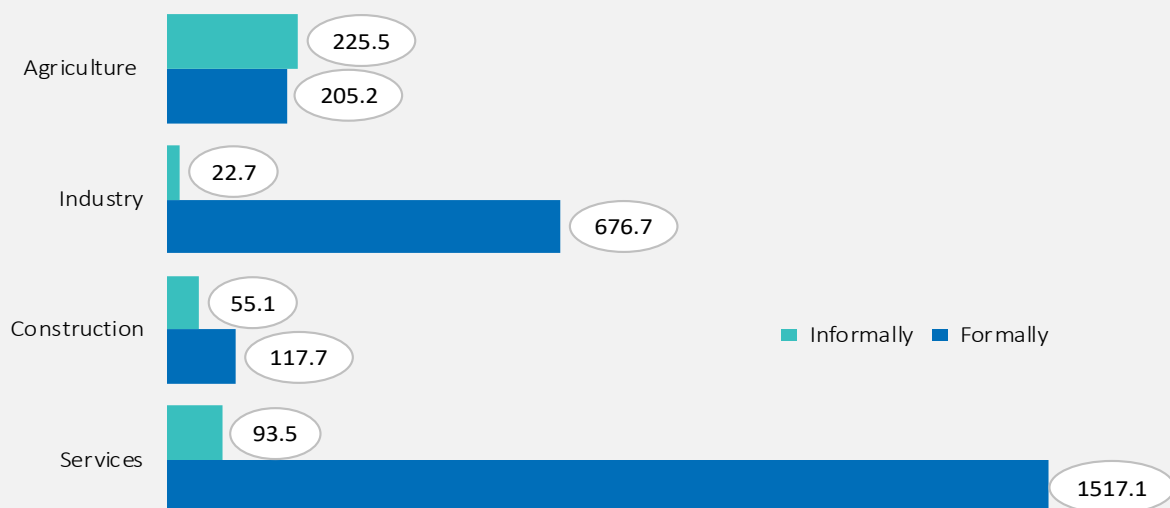
Table 2.12. Employed by sector of activity and major occupation groups, 2022 (in thous.)

	Managers (directors), officials and legislators	Professional and art experts	Technicians and associate professionals	Administrative workers	Service and trade occupations	Farmers, foresters, fisherman and related	Craft workers and related	Machine and plant operators, assemblers and drivers	Simple occupations	Military occupations
Total	109.2	446.6	334.0	251.2	431.6	368.5	363.7	341.5	250.9	16.3
No reply	-	-	-	-	-	-	-	-	-	-
Agriculture, forestry and fishing	2.3	2.1	3.3	3.1	1.7	366.7	2.0	10.4	39.2	-
Mining and quarrying	1.5	2.3	4.0	2.7	2.9	-	6.0	14.4	2.8	-
Process manufacturing	20.5	34.1	51.5	32.7	21.1	/	182.9	182.8	56.3	-
Electricity, gas and vapor supply	/	5.1	7.3	6.1	1.8	/	7.1	6.0	3.7	-
Water supply, waste management	1.2	2.4	4.6	6.9	1.5	-	7.0	5.2	13.7	-
Construction	6.8	7.5	12.0	7.1	3.3	-	87.6	18.3	30.3	-
Wholesale and retail trade; repair of motor vehicles	19.4	22.6	35.7	38.6	215.2	-	32.1	13.7	13.4	-
Transportation and storage	6.8	6.3	12.9	36.2	7.0	/	7.9	74.1	6.2	-
Accommodation and food service activities	7.6	4.7	2.2	5.7	60.0	-	4.5	1.4	14.7	-
Information and communication	6.5	63.4	15.9	8.6	2.2	-	5.7	1.4	1.7	-
Financial and insurance activities	3.6	11.6	11.3	19.9	2.1	-	/	-	/	-
Real estate activities	/	/	2.2	1.2	/	-	-	/	/	-
Professional, scientific, innovation and technical activities	9.4	54.0	25.2	17.4	/	/	3.0	/	1.7	-
Administrative and support service activities	3.3	3.9	4.8	9.6	13.7	1.1	2.7	2.8	19.7	-
Public administration and defence; compulsory social security	5.0	29.8	32.7	25.5	33.1	-	1.7	1.6	4.3	16.3
Education	5.3	122.9	7.8	4.5	17.4	-	1.1	/	21.6	-
Human health and social work activities	2.1	49.4	82.6	6.3	12.8	-	1.1	5.5	11.8	-
Arts, entertainment and recreation	3.0	16.8	13.5	15.7	6.2	/	1.6	/	2.7	-
Other service activities	3.6	6.5	4.4	2.8	21.4	/	9.3	1.7	2.6	-
Activities of households as employers	-	/	-	-	6.2	-	/	-	3.0	-

Table 2.13. Employed by formality in employment, age groups, professional status, sex and region, 2022 (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
Employed (aged 15–89)	2913.5	1616.4	1297.0	774.5	783.5	802.6	552.8	...
Formally employed	2516.7	1409.3	1107.4	706.4	687.7	658.6	464.0	...
aged 15–24	135.6	82.1	53.5	31.1	41.6	38.2	24.7	...
25–54	1888.7	1019.1	869.7	550.9	514.5	473.9	349.5	...
55–64	421.9	251.3	170.6	109.7	117.5	118.5	76.2	...
65+	70.4	56.8	13.7	14.8	14.2	27.9	13.5	...
By professional status								
Self-employed with employees	100.6	74.8	25.7	29.9	23.9	30.1	16.7	...
Self-employed w/o employees	274.7	217.4	57.3	51.5	66.8	104.1	52.3	...
Employees	2141.4	1117.0	1024.4	625.0	597.0	524.4	395.0	...
Unpaid family workers	-	-	-	-	-	-	-	...
Informally employed	396.8	207.2	189.6	68.1	95.8	144.0	88.8	...
aged 15–24	33.5	23.6	9.9	8.1	9.3	9.3	6.8	...
25–54	234.9	132.9	101.9	42.3	61.1	78.0	53.5	...
55–64	76.8	29.5	47.2	10.7	17.3	31.4	17.3	...
65 +	51.6	21.1	30.5	7.0	8.0	25.3	11.2	...
By professional status (in thous.)								
Self-employed with employees	1.2	/	/	/	/	/	/	...
Self-employed w/o employees	102.5	78.4	24.0	24.5	28.1	26.2	23.7	...
Employees	100.6	69.1	31.5	27.9	37.4	19.9	15.4	...
Unpaid family workers	192.5	58.6	133.8	15.2	30.0	97.7	49.6	...
Informal employment rate (%)	13.6	12.8	14.6	8.8	12.2	17.9	16.1	..

Graph. 9. Formally/informally employed by sector of activity, 2022 (in thous.)



Note

The **agriculture sector** includes Agriculture, forestry and fishing.

The **industry sector** includes Ore mining, Process manufacturing, Power, gas and vapor supply and Water supply and waste water management.

The **construction sector** includes only Construction.

The **services sector** includes Wholesale and retail, Traffic and storage, Accommodation and catering services, Information and communication, Financial and insurance activities, Real estate business, Expert, scientific, innovative and technical activities, Administrative and supporting service activities, State administration and compulsory social insurance, Education, Health and social care, Art, entertainment and recreation, Other service activities, Household activity as an employer, Activity of extraterritorial organizations and bodies.

Table 2.14. Share of employed working from home, at weekends, in the evening or at night by major occupation groups, 2022 (%)

	Work from home	Saturdays	Sundays	In the evening	At night
Managers (directors), officials and legislators	9.7	3.2	2.7	2.9	1.9
Professional and art experts	49.4	6.8	6.1	10.2	7.7
Engineers, associate professionals and technicians	10.4	9.1	8.9	9.4	14.4
Administrative workers	7.9	5.2	3.9	5.3	5.3
Service and trade occupations	4.9	19.8	22.8	21.5	21.4
Farmers, foresters, fisherman and related	12.8	18.7	28.0	17.8	3.9
Craft workers and related	2.5	13.6	7.6	10.0	9.3
Machine and plant operators, assemblers and drivers	1.4	13.8	11.3	14.6	27.4
Simple occupations	0.9	9.2	7.9	7.5	6.8
Military occupations	/	0.6	0.8	0.7	1.8

Table 2.15. Share of employed working from home, at weekends, in the evening or at night by sector of activity, 2022 (%)

	Work from home	Saturdays	Sundays	In the evening	At night
Agriculture, forestry and fishing	14.3	21.1	30.8	19.3	5.0
Mining and quarrying	0.9	1.4	1.8	1.5	3.8
Process manufacturing	5.7	19.9	11.4	19.3	30.0
Electricity, gas and vapor supply	/	0.8	1.0	0.9	1.9
Water supply, waste management	/	1.2	1.3	0.9	1.4
Construction	2.2	6.9	3.5	3.0	1.0
Wholesale and retail trade; repair of motor vehicles	7.9	15.9	13.6	15.2	4.2
Transportation and storage	2.3	5.7	6.2	6.5	11.6
Accommodation and food service activities	1.0	4.8	6.3	5.4	7.1
Information and communication	21.7	2.1	2.1	2.9	3.2
Financial and insurance activities	3.9	0.6	0.4	0.6	0.3
Real estate activities	/	0.2	0.2	0.2	0.3
Professional, scientific, innovation and technical activities	14.8	2.1	1.6	2.1	1.4
Administrative and support service activities	1.8	1.9	2.0	1.7	2.6
Public administration and defence; compulsory social security	2.4	3.2	4.5	3.7	9.1
Education	13.9	1.4	0.7	4.6	0.5
Human health and social work activities	2.0	5.9	7.2	7.0	12.2
Arts, entertainment and recreation	1.7	2.5	3.5	2.9	3.6
Other service activities	2.2	2.1	1.5	2.1	/
Activities of households as employers	/	0.3	0.4	0.3	0.2

Graph. 10. Employed persons by specific types of work hours, 2022 (in thous.)

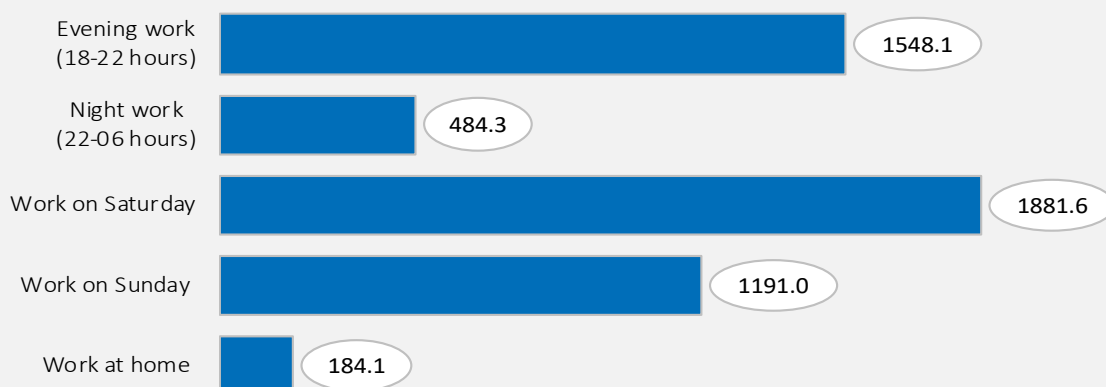
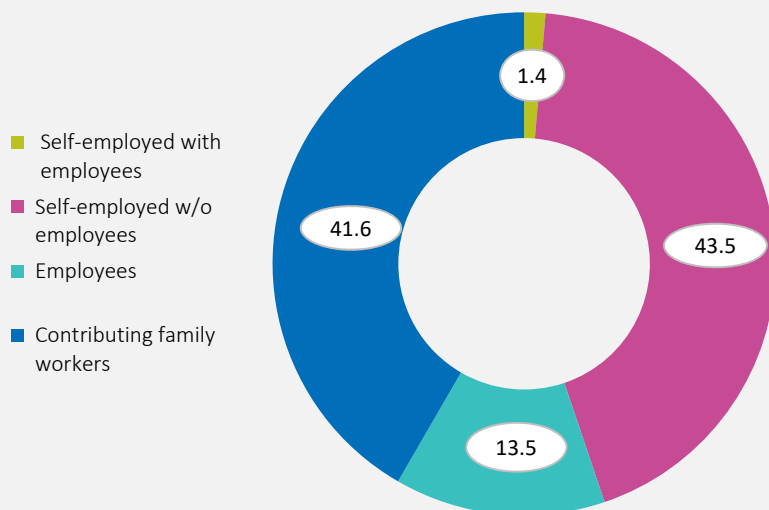


Table 2.16. Employed by search of another job, by sex and region, 2022 (in thous.)

	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
Employed (aged 15–89)	2913.5	1616.4	1297.0	774.5	783.5	802.6	552.8	...
Employed not in search of another job in the previous four weeks	2751.6	1515.4	1236.2	733.1	743.5	760.9	514.1	...
Employed in search of another job in the previous four weeks	161.9	101.1	60.8	41.4	40.0	41.7	38.7	...

Graph.11. Professional status in additional job, 2022 (in %)



Graph. 12. Self-employed by occupation and sex (in %), 2022

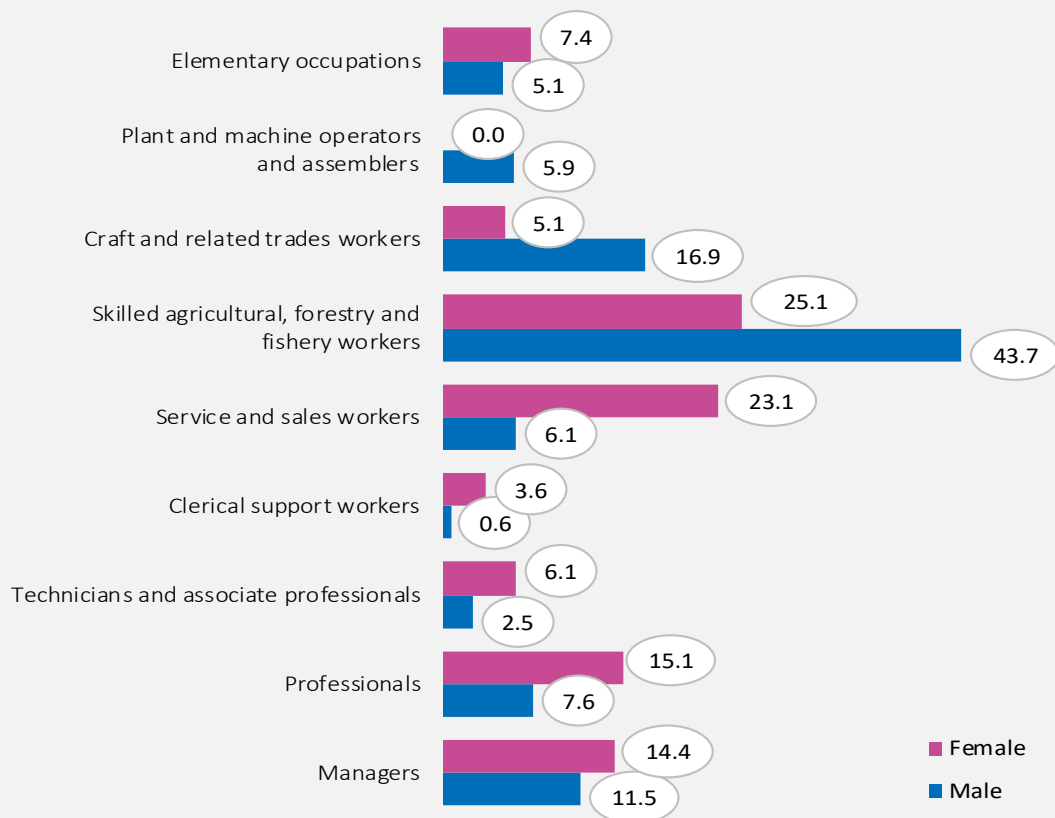


Table 2.17. Employees by type of contract and employment rights, sex, region and type of settlement, 2022 (in thous.)

	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
Employees (aged 15–89)	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Employees by contract								
Based on written employment agreement	2141.4	625.0	597.0	524.4	395.0	...	1391.8	749.6
Based on oral employment agreement	100.6	27.9	37.4	19.9	15.4	...	55.5	45.1
Employment rights								
Right to pension insurance	2133.2	622.4	595.2	522.7	392.9	...	1386.5	746.7
No right to pension insurance	106.0	30.2	38.6	20.9	16.3	...	58.9	47.1
Right to health insurance	2129.7	619.0	595.3	522.2	393.2	...	1383.3	746.4
No right to health insurance	109.6	33.6	38.7	21.4	15.9	...	62.2	47.4
Right to paid sick leave	2092.7	608.5	584.5	513.5	386.2	...	1356.9	735.8
No right to paid sick leave	144.8	43.7	48.7	30.1	22.3	...	87.4	57.4
Right to paid annual vacation	2090.7	608.2	583.9	512.6	385.9	...	1355.8	734.8
No right to paid annual vacation	147.3	44.2	49.2	31.0	22.9	...	88.8	58.5
Male	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Employees by contract								
Based on written employment agreement	1117.0	305.1	314.7	279.2	218.0	...	694.9	422.1
Based on oral employment agreement	69.1	16.4	25.3	16.0	11.4	...	36.4	32.7
Employment rights								
Right to pension insurance	1112.2	303.6	313.9	278.0	216.6	...	691.9	420.3
No right to pension insurance	71.7	17.7	25.8	16.4	11.9	...	38.0	33.7
Right to health insurance	1109.6	301.5	313.6	277.6	216.9	...	689.6	420.0
No right to health insurance	74.3	19.8	26.1	16.9	11.5	...	40.3	34.1
Right to paid sick leave	1091.0	295.3	308.9	274.0	212.9	...	676.1	414.9
No right to paid sick leave	91.2	25.6	30.2	20.5	14.9	...	52.6	38.6
Right to paid annual vacation	1090.0	295.3	308.2	273.8	212.8	...	676.0	414.0
No right to paid annual vacation	92.8	25.8	30.9	20.7	15.5	...	53.1	39.7

Table 2.17. Employees by type of contract and employment rights, sex, region and type of settlement, 2022 (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
Female	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Employees by contract								
Based on written employment agreement	1024.4	320.0	282.3	245.2	176.9	...	696.8	327.6
Based on oral employment agreement	31.5	11.5	12.1	3.9	4.0	...	19.1	12.4
Employment rights								
Right to pension insurance	1021.0	318.8	281.3	244.7	176.2	...	694.6	326.4
No right to pension insurance	34.3	12.5	12.9	4.5	4.5	...	21.0	13.3
Right to health insurance	1020.1	317.5	281.6	244.7	176.3	...	693.7	326.4
No right to health insurance	35.3	13.7	12.6	4.5	4.4	...	21.9	13.4
Right to paid sick leave	1001.7	313.3	275.7	239.5	173.3	...	680.8	320.9
No right to paid sick leave	53.6	18.0	18.5	9.6	7.4	...	34.8	18.8
Right to paid annual vacation	1000.6	312.9	275.8	238.8	173.2	...	679.8	320.9
No right to paid annual vacation	54.5	18.4	18.4	10.3	7.5	...	35.8	18.8

Table 2.18. Employees by sector of activity, sex, region and type of settlement, 2022 (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
Employees (15–89)	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Agriculture	55.3	4.0	35.5	8.1	7.7	...	16.2	39.1
Industry	650.1	98.1	200.2	204.4	147.4	...	345.2	304.9
Construction	125.2	29.9	32.8	39.0	23.5	...	66.2	59.0
Services	1411.4	520.9	365.9	292.8	231.7	...	1019.6	391.7
Male	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Agriculture	38.8	2.2	26.0	5.1	5.5	...	10.7	28.2
Industry	399.5	63.4	119.6	125.9	90.6	...	206.9	192.6
Construction	113.6	24.7	29.4	37.3	22.2	...	58.4	55.2
Services	634.1	231.1	164.9	127.0	111.2	...	455.4	178.7
Female	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Agriculture	16.5	1.8	9.5	3.0	2.2	...	5.6	11.0
Industry	250.6	34.6	80.6	78.5	56.8	...	138.3	112.3
Construction	11.6	5.2	3.4	1.7	1.3	...	7.8	3.7
Services	777.2	289.8	201.0	165.9	120.6	...	564.2	213.0



Note

The **agriculture sector** includes Agriculture, forestry and fishing.

The **industry sector** includes Ore mining, Process manufacturing, Power, gas and vapor supply and Water supply and waste water management.

The **construction sector** includes only Construction.

The **services sector** includes Wholesale and retail, Traffic and storage, Accommodation and catering services, Information and communication, Financial and insurance activities, Real estate business, Expert, scientific, innovative and technical activities, Administrative and supporting service activities, State administration and compulsory social insurance, Education, Health and social care, Art, entertainment and recreation, Other service activities, Household activity as an employer, Activity of extraterritorial organizations and bodies.

Graph. 13. Employees obliged to supervise the work of other workers, by sex (in %), 2022



Note

Refers to employees who supervise and manage work of at least of one worker (except interns), and whose function is included in their job description.

Graph. 14. Structure of employees by paid and unpaid overtime work hours, 2022 (in %)

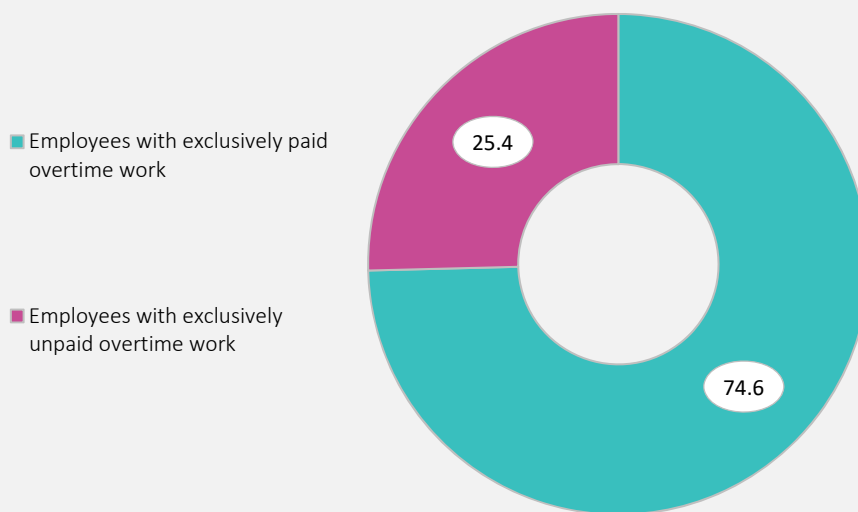


Table 2.19. Employees by occupation, sex, region and type of settlement, 2022 (in thous.)

	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
Employees (aged 15–89)	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Managers (directors), officials and legislators	51.0	12.9	15.8	10.4	11.8	...	40.9	10.1
Professional and art experts	402.1	176.2	100.2	71.3	54.4	...	340.1	62.0
Engineers, associate professionals and technicians	317.5	97.7	89.8	75.5	54.4	...	230.3	87.2
Administrative workers	243.6	102.4	55.1	52.2	34.0	...	186.2	57.4
Service and trade occupations	379.3	119.4	102.6	92.1	65.2	...	235.8	143.6
Farmers, foresters, fisherman and related	6.9	/	2.9	1.4	1.9	...	2.2	4.7
Craft workers and related	292.1	54.7	83.3	96.5	57.6	...	150.6	141.6
Machine and plant operators, assemblers and drivers	318.0	38.2	113.7	82.5	83.5	...	145.2	172.8
Simple occupations	215.2	47.5	68.6	58.4	40.6	...	104.7	110.5
Military occupations	16.3	3.1	2.3	4.0	6.9	...	11.3	5.0
Male	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Managers (directors), officials and legislators	27.5	6.5	7.9	6.8	6.4	...	22.1	5.5
Professional and art experts	165.1	76.6	38.0	27.6	22.9	...	141.7	23.5
Engineers, associate professionals and technicians	143.5	46.7	40.0	32.6	24.3	...	106.3	37.2
Administrative workers	99.5	35.9	24.3	22.6	16.7	...	71.9	27.6
Service and trade occupations	154.7	47.2	41.1	38.6	27.8	...	101.2	53.5
Farmers, foresters, fisherman and related	5.5	/	1.9	1.3	1.7	...	1.8	3.6
Craft workers and related	237.5	50.3	70.6	73.4	43.2	...	123.7	113.9
Machine and plant operators, assemblers and drivers	233.3	34.5	77.3	62.4	59.1	...	105.2	128.2
Simple occupations	105.0	20.2	36.7	26.7	21.3	...	47.5	57.5
Military occupations	14.4	3.0	2.1	3.1	6.2	...	10.1	4.3
Female	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Managers (directors), officials and legislators	23.4	6.3	8.0	3.6	5.5	...	18.8	4.6
Professional and art experts	237.0	99.6	62.1	43.7	31.5	...	198.4	38.5
Engineers, associate professionals and technicians	173.9	51.0	49.9	43.0	30.1	...	124.0	49.9
Administrative workers	144.1	66.5	30.8	29.5	17.3	...	114.4	29.7
Service and trade occupations	224.6	72.2	61.4	53.5	37.4	...	134.6	90.0
Farmers, foresters, fisherman and related	1.5	/	1.0	/	/	...	/	1.1
Craft workers and related	54.6	4.4	12.7	23.0	14.5	...	26.9	27.7
Machine and plant operators, assemblers and drivers	84.6	3.7	36.4	20.1	24.4	...	40.0	44.6
Simple occupations	110.2	27.3	31.9	31.7	19.3	...	57.3	53.0
Military occupations	1.9	/	/	/	/	...	1.2	/

Graph. 15. Structure of employees by occupation and sex (in %), 2022

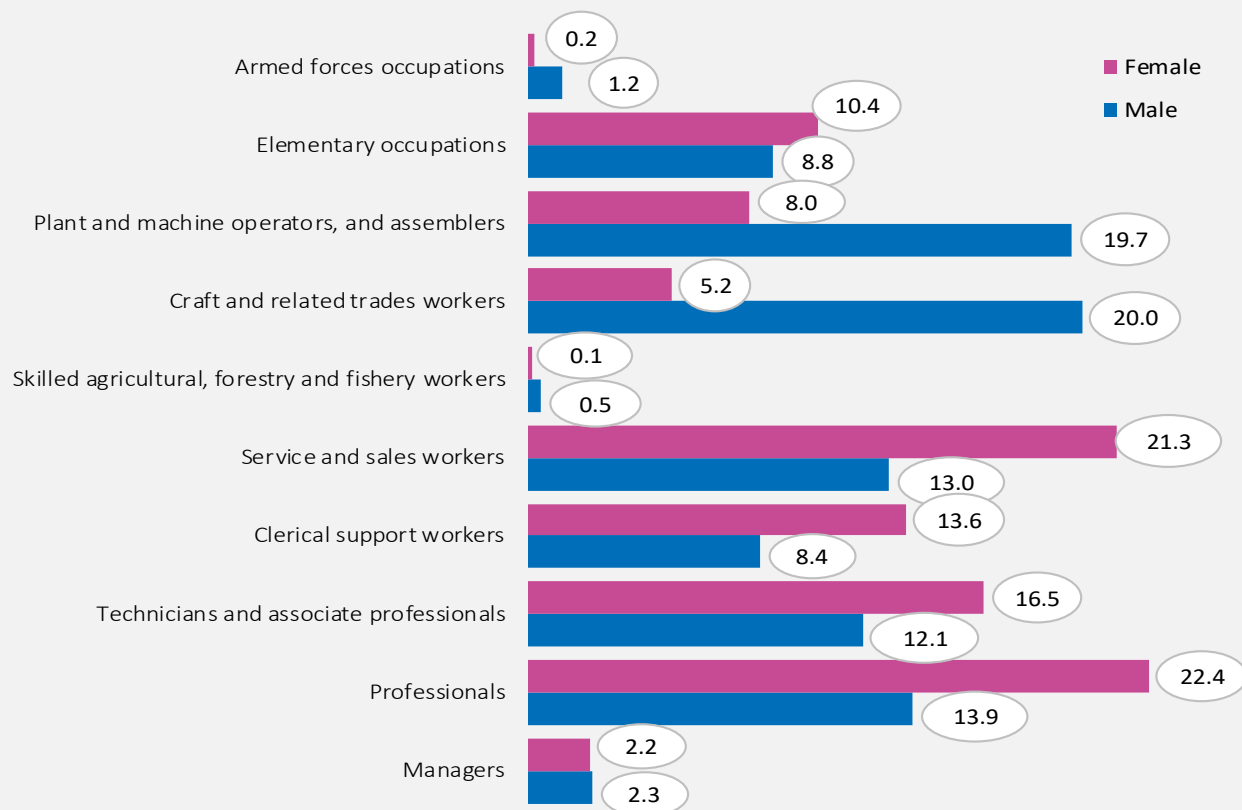
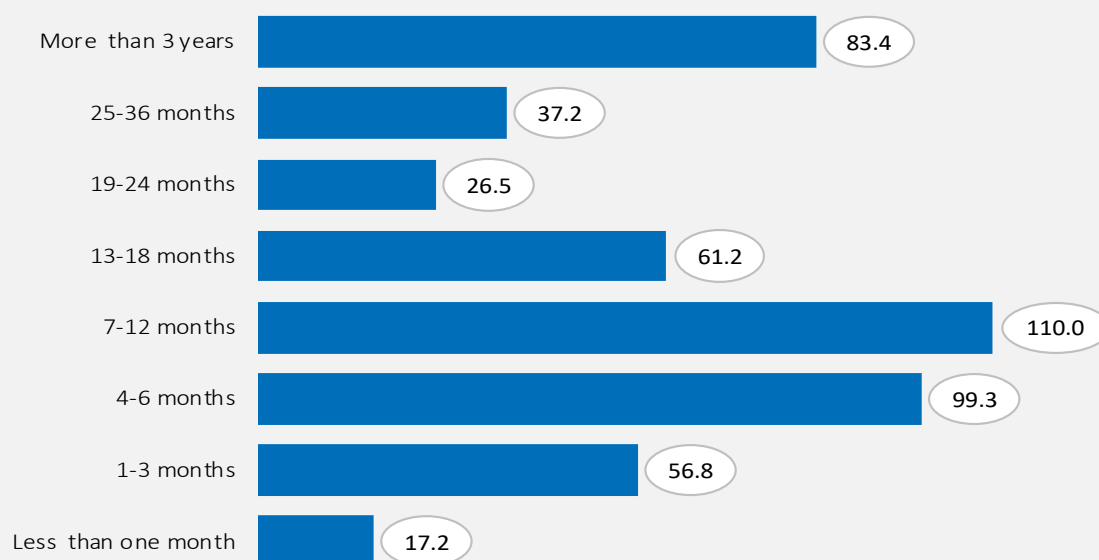


Table 2.20. Employees by permanency of employment, sex, region and type of settlement, 2022 (in thous.)

	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
Employees (aged 15–89)	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Permanent	1750.4	533.1	482.0	421.3	314.0	...	1155.0	595.3
Temporary	419.4	107.9	125.9	102.9	82.8	...	254.8	164.6
Seasonal	31.9	3.0	13.9	9.2	5.8	...	13.5	18.4
Occasional	40.3	8.9	12.6	10.9	7.8	...	24.0	16.3
Working age employees (aged 15–64)	2223.4	642.9	630.1	541.9	408.5	...	1433.8	789.6
Permanent	1741.0	527.5	480.0	420.3	313.2	...	1147.9	593.1
Temporary	413.1	104.2	124.5	102.2	82.2	...	250.2	162.8
Seasonal	30.9	2.9	13.6	8.8	5.6	...	12.9	18.0
Occasional	38.4	8.2	12.1	10.6	7.5	...	22.8	15.6
Male								
Employees (aged 15–89)	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Permanent	919.9	261.6	255.7	228.1	174.4	...	578.3	341.6
Temporary	215.0	52.6	66.6	51.2	44.6	...	126.7	88.3
Seasonal	22.8	2.3	8.9	7.3	4.3	...	10.6	12.2
Occasional	28.5	5.1	8.8	8.5	6.1	...	15.8	12.6
Working age employees (aged 15–64)	1174.4	315.5	337.1	293.6	228.2	...	723.3	451.0
Permanent	914.2	258.3	254.5	227.6	173.8	...	574.2	340.0
Temporary	210.6	50.3	65.5	50.7	44.1	...	123.7	86.9
Seasonal	22.1	2.2	8.6	6.9	4.3	...	10.1	12.0
Occasional	27.6	4.7	8.5	8.4	6.0	...	15.3	12.2
Female								
Employees (aged 15–89)	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Permanent	830.5	271.5	226.2	193.2	139.6	...	576.7	253.8
Temporary	204.4	55.3	59.3	51.7	38.1	...	128.1	76.3
Seasonal	9.1	/	5.0	1.9	1.5	...	2.9	6.2
Occasional	11.9	3.9	3.9	2.4	1.7	...	8.2	3.7
Working age employees (aged 15–64)	1049.0	327.5	293.0	248.3	180.2	...	710.5	338.6
Permanent	826.8	269.2	225.5	192.7	139.4	...	573.7	253.1
Temporary	202.5	54.0	58.9	51.6	38.0	...	126.6	75.9
Seasonal	8.9	/	5.0	1.8	1.3	...	2.8	6.1
Occasional	10.8	3.6	3.6	2.3	1.5	...	7.4	3.4

Graph 16. Employees by duration of temporary work (permanent, seasonal or occasional) in thousands, 2022



Graph 17. Employees by reason of temporary, seasonal or occasional employment, 2022 (in %)

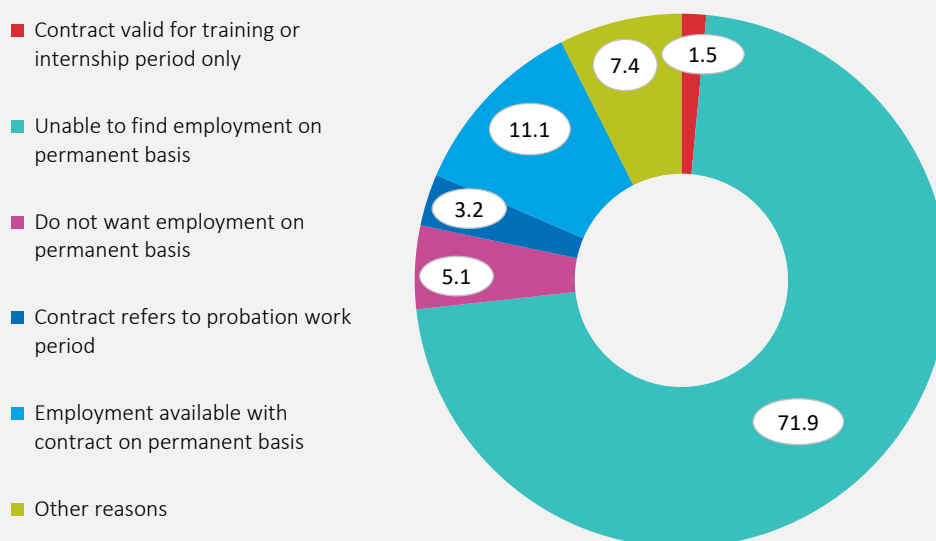
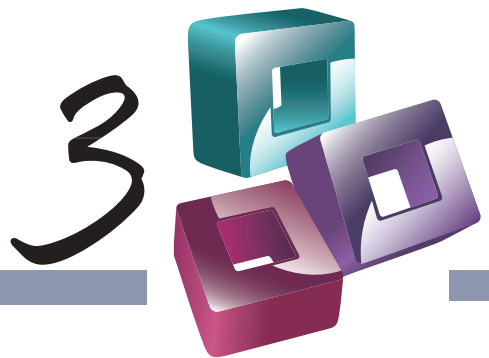


Table 2.21. Employees by kind of ownership, sex, region and type of settlement, 2022 (in thous.)

	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
Employees (aged 15–89)	2242.0	652.9	634.4	544.3	410.4	...	1447.3	794.7
Private ownership	1506.0	419.7	457.2	359.9	269.3	...	929.2	576.8
State ownership	719.4	225.7	173.4	181.1	139.2	...	505.0	214.4
Other ¹⁾	16.6	7.6	3.8	3.4	1.9	...	13.0	3.5
Working age employees (15–64)	2223.4	642.9	630.1	541.9	408.5	...	1433.8	789.6
Private ownership	1492.2	412.7	454.1	357.6	267.8	...	919.9	572.3
State ownership	715.3	223.3	172.2	180.9	138.9	...	501.5	213.8
Other ¹⁾	15.9	7.0	3.7	3.4	1.8	...	12.3	3.5
Male								
Employees (aged 15–89)	1186.1	321.5	340.0	295.2	229.5	...	731.4	454.7
Private ownership	838.8	215.2	263.7	202.5	157.4	...	501.7	337.1
State ownership	337.9	102.2	73.9	90.9	71.0	...	223.1	114.8
Other ¹⁾	9.3	4.1	2.3	1.8	1.1	...	6.6	2.8
Working age employees (aged 15–64)	1174.4	315.5	337.1	293.6	228.2	...	723.3	451.0
Private ownership	829.9	210.8	261.7	201.0	156.4	...	496.1	333.7
State ownership	335.5	100.8	73.2	90.8	70.8	...	220.9	114.5
Other ¹⁾	9.0	3.8	2.3	1.8	1.1	...	6.3	2.8
Female								
Employees (aged 15–89)	1055.9	331.4	294.4	249.1	180.9	...	715.9	340.0
Private ownership	667.1	204.5	193.4	157.3	111.9	...	427.5	239.6
State ownership	381.5	123.5	99.5	90.2	68.3	...	281.9	99.6
Other ¹⁾	7.3	3.5	1.5	1.6	/	...	6.5	/
Working age employees (aged 15–64)	1049.0	327.5	293.0	248.3	180.2	...	710.5	338.6
Private ownership	662.3	201.8	192.5	156.6	111.5	...	423.8	238.6
State ownership	379.8	122.5	99.1	90.1	68.1	...	280.6	99.2
Other ¹⁾	6.9	3.2	1.5	1.6	/	...	6.1	/

¹⁾ Other forms of ownership include cooperative ownership, ownership in companies in which privatization has not been completed, as well as ownership in organizations without forms of ownership.



Unemployed

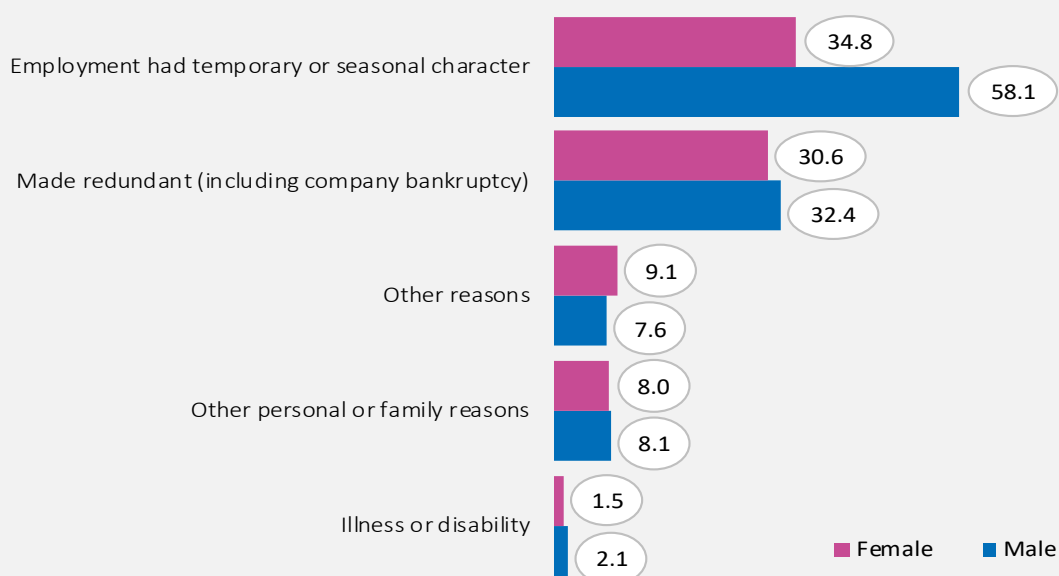
Table 3.1. Unemployed by age groups, sex, region and type of settlement, 2022 (in thous.)

	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
Unemployed (15–74)	302.2	65.9	70.3	92.9	73.1	...	192.0	110.1
15–24 years	54.4	10.9	13.6	16.6	13.4	...	29.8	24.7
25–34	77.2	16.6	17.7	23.0	19.8	...	49.5	27.7
35–44	74.3	18.1	16.5	23.3	16.4	...	49.1	25.2
45–54	58.1	11.6	13.0	18.1	15.4	...	38.0	20.1
55–64	36.1	7.4	9.2	11.5	8.1	...	24.1	12.0
65 +	2.1	1.3	/	/	-	...	1.6	/
Male (15–74)	160.5	35.0	39.4	47.7	38.4	...	103.6	56.9
15–24 years	32.0	7.1	8.6	9.3	7.0	...	19.1	12.9
25–34	42.1	9.6	11.1	11.5	9.9	...	26.9	15.2
35–44	35.0	7.0	7.4	11.3	9.4	...	23.9	11.1
45–54	28.7	5.7	6.8	8.2	8.0	...	18.9	9.8
55–64	20.9	4.4	5.1	7.2	4.1	...	13.4	7.5
65 +	1.8	1.1	/	/	-	...	1.3	/
Female (15–74)	141.6	30.9	30.9	45.2	34.7	...	88.4	53.2
15–24 years	22.4	3.8	5.0	7.3	6.4	...	10.7	11.8
25–34	35.1	7.0	6.6	11.5	9.9	...	22.5	12.5
35–44	39.2	11.1	9.1	12.0	7.1	...	25.1	14.1
45–54	29.3	5.9	6.1	9.9	7.4	...	19.0	10.3
55–64	15.2	3.0	4.1	4.3	4.0	...	10.7	4.5
65 +	/	/	-	/	-	...	/	/

Table 3.2. Unemployed by highest completed education level, sex, region and type of settlement, 2022 (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
Unemployed (15–74)	302.2	65.9	70.3	92.9	73.1	...	192.0	110.1
No formal education	2.1	/	1.0	/	/	...	/	1.1
Primary	49.2	6.1	17.2	13.5	12.4	...	23.5	25.7
Secondary	195.9	38.7	41.8	66.7	48.7	...	123.4	72.5
Higher	55.0	20.6	10.2	12.6	11.5	...	44.1	10.9
Male	160.5	35.0	39.4	47.7	38.4	...	103.6	56.9
No formal education	/	/	/	/	/	...	/	/
Primary	28.2	3.9	9.7	7.7	6.9	...	14.2	14.1
Secondary	109.2	21.7	25.5	35.9	26.1	...	70.8	38.4
Higher	22.4	9.2	4.1	4.0	5.1	...	18.3	4.1
Female	141.6	30.9	30.9	45.2	34.7	...	88.4	53.2
No formal education	1.3	/	/	-	/	...	/	/
Primary	20.9	2.2	7.5	5.8	5.5	...	9.3	11.6
Secondary	86.7	17.0	16.4	30.8	22.6	...	52.6	34.1
Higher	32.6	11.4	6.2	8.6	6.4	...	25.8	6.8

Graph 18. Main reasons of employment termination of unemployed who stopped working in previous seven years, by sex, 2022 (in thous.)



Graph 19. Unemployed persons according to the National Employment Service records, 2022 (%)

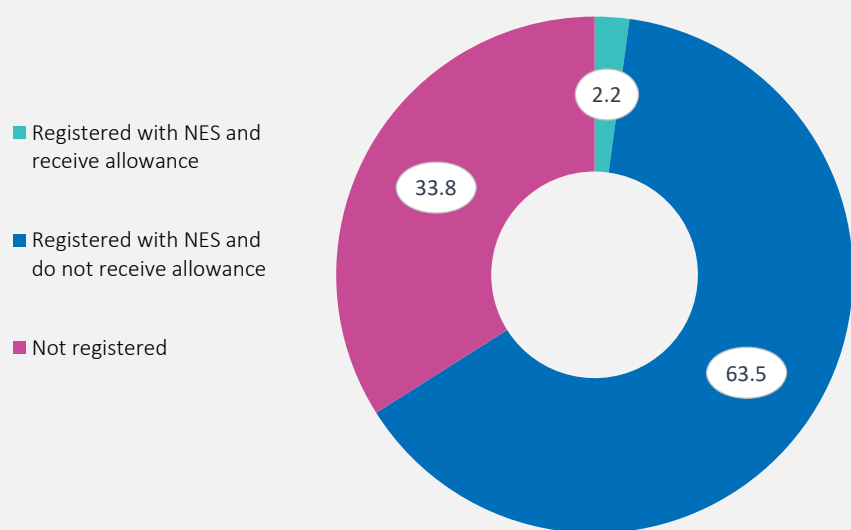


Table 3.3. Unemployed by duration of employment search, sex, region and type of settlement, 2022 (in thous.)

	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
Unemployed (aged 15–74)	302.2	65.9	70.3	92.9	73.1	...	192.0	110.1
In search of employment less than 12 months	165.1	38.0	46.2	46.9	34.0	...	105.8	59.3
In search of employment 12–24	46.7	9.4	8.3	15.8	13.2	..	29.5	17.2
In search of employment 2–4 years	21.7	5.4	3.6	7.1	5.7	...	14.7	7.0
In search of employment more than four years	68.6	13.2	12.2	23.0	20.3	...	42.0	26.7
Long-term unemployment rate (%)	4.3	3.3	2.8	5.2	6.3	...	4.6	3.9
Male (aged 15–74)	160.5	35.0	39.4	47.7	38.4	...	103.6	56.9
In search of employment less than 12 months	93.6	21.5	26.8	26.5	18.9	...	61.1	32.5
In search of employment 12–24	24.1	4.7	5.0	8.1	6.3	...	15.1	9.0
In search of employment 2–4 years	10.0	2.4	1.8	2.7	3.1	...	6.7	3.3
In search of employment more than four years	32.8	6.4	5.8	10.4	10.2	...	20.6	12.2
Long-term unemployment rate (%)	3.8	3.1	2.6	4.3	5.5	...	4.2	3.2
Female (aged 15–74)	141.6	30.9	30.9	45.2	34.7	...	88.4	53.2
In search of employment less than 12 months	71.5	16.5	19.5	20.4	15.1	...	44.7	26.8
In search of employment 12–24	22.6	4.7	3.3	7.7	6.9	...	14.4	8.2
In search of employment 2–4 years	11.7	3.0	1.7	4.5	2.6	...	8.0	3.8
In search of employment more than four years	35.8	6.7	6.4	12.6	10.1	...	21.4	14.5
Long-term unemployment rate (%)	4.9	3.6	3.1	6.3	7.3	...	5.0	4.8

Graph. 20. Unemployed by employment search methods, 2022 (in thous.)

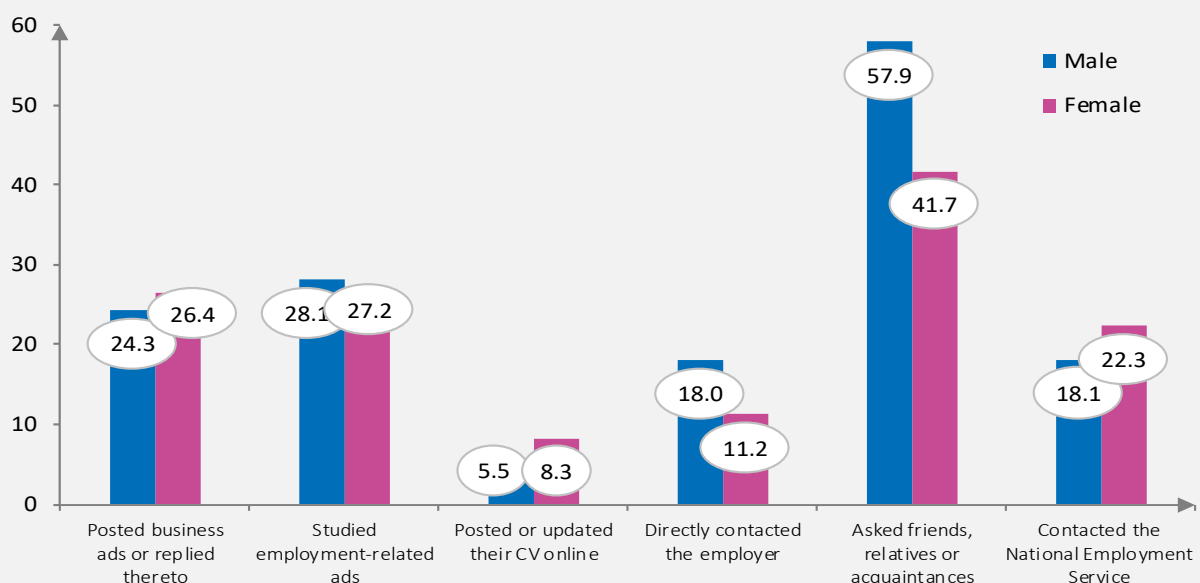


Table 3.4. Unemployed by having previous experience, professional status on previous job, sex, region and type of settlement, 2022 (in thous.)

	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
Unemployed (aged 15–74)	302.2	65.9	70.3	92.9	73.1	...	192.0	110.1
By having previous work experience						...		
With work experience	232.3	55.0	58.3	63.1	55.8	...	149.0	83.2
By professional status on the previous job						...		
Self-employed with employees	/	/	/	/	/	...	/	/
Self-employed w/o employees	18.2	4.6	3.8	5.5	4.3	...	12.9	5.3
Employees	172.3	42.2	46.5	43.6	40.0	...	109.0	63.3
Unpaid family worker	/	/	/	/	/	...	/	/
Without work experience	69.9	10.9	12.0	29.8	17.3	...	43.0	26.9
Male	160.5	35.0	39.4	47.7	38.4	...	103.6	56.9
By having previous work experience						...		
With work experience	125.5	28.8	33.5	33.1	30.1	...	80.6	44.9
By professional status on the previous job						...		
Self-employed with employees	/	/	/	-	/	...	/	/
Self-employed w/o employees	13.4	3.0	3.2	4.4	2.9	...	9.3	4.1
Employees	93.8	22.7	26.3	23.1	21.8	...	59.5	34.3
Unpaid family worker	/	/	/	/	-	...	/	/
Without work experience	35.0	6.1	6.0	14.6	8.3	...	23.1	12.0
Female	141.6	30.9	30.9	45.2	34.7	...	88.4	53.2
By having previous work experience						...		
With work experience	106.8	26.2	24.9	30.0	25.7	...	68.5	38.3
By professional status on the previous job						...		
Self-employed with employees	/	-	/	/	-	...	/	/
Self-employed w/o employees	4.8	1.6	/	1.1	1.4	...	3.6	1.2
Employees	78.5	19.5	20.2	20.5	18.3	...	49.5	29.0
Unpaid family worker	/	-	/	/	/	...	/	/
Without work experience	34.9	4.7	6.0	15.2	9.0	...	19.9	14.9

Graph. 21. Unemployed by occupation at previous job and sex (in %), 2022

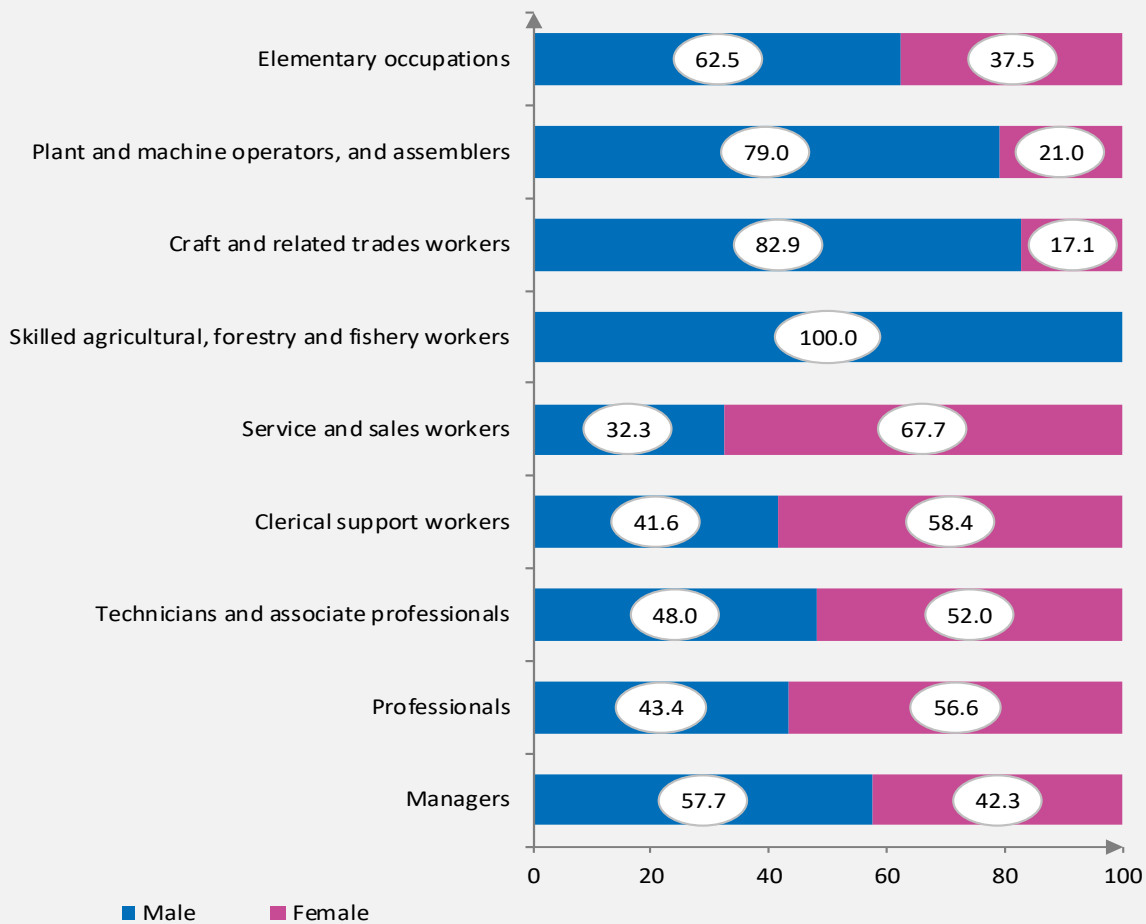


Table 3.5. Unemployed (aged 15-64) by National Employment Service records, sex, region and type of settlement, 2022 (in thous.)

	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
Unemployed	300.6	65.1	70.0	92.5	73.1	...	190.9	109.7
By NES records						...		
Registered with NES receiving allowance	6.5	/	1.5	3.0	1.1	...	4.4	2.1
Registered with NES not receiving allowance	192.0	35.3	39.0	67.7	50.0	...	116.4	75.6
Not registered	102.1	28.8	29.5	21.8	22.0	...	70.1	32.0
Male	159.1	34.3	39.1	47.4	38.4	...	102.7	56.5
By NES records								
Registered with NES receiving allowance	3.4	/	/	1.7	/	...	2.3	1.1
Registered with NES not receiving allowance	94.2	16.8	19.6	32.1	25.7	...	58.1	36.2
Not registered	61.5	16.9	18.5	13.6	12.5	...	42.3	19.2
Female	141.5	30.8	30.9	45.1	34.7	...	88.2	53.2
By NES records								
Registered with NES receiving allowance	3.1	/	/	1.3	/	...	2.1	1.1
Registered with NES not receiving allowance	97.8	18.5	19.3	35.6	24.4	...	58.4	39.4
Not registered	40.6	12.0	10.9	8.2	9.5	...	27.8	12.8



Inactive

Table 4.1. Population outside the labor force by age groups, sex, region and type of settlement, 2022 (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
Popularion outside the labor force, 15+	2579.8	589.3	701.8	699.5	589.3	...	1530.1	1049.8
15–24 years	461.5	105.0	121.0	134.2	101.3	...	286.8	174.7
25–34	139.5	31.6	40.9	33.7	33.3	...	84.9	54.7
35–44	109.4	26.7	34.5	26.7	21.5	...	60.2	49.2
45–54	150.0	28.2	42.3	38.7	40.7	...	77.8	72.2
55–64	379.1	77.8	109.0	102.3	89.9	...	209.2	169.9
65 +	1340.4	320.0	354.0	363.8	302.5	...	811.2	529.2
Male, 15+	1016.8	225.4	268.5	279.5	243.4	...	600.4	416.4
15–24 years	214.5	49.5	55.5	62.6	46.9	...	134.8	79.7
25–34	40.4	10.3	10.1	9.2	10.8	...	25.8	14.6
35–44	35.9	7.8	11.2	9.6	7.4	...	19.1	16.8
45–54	46.4	8.4	12.5	11.4	14.1	...	26.6	19.8
55–64	132.2	25.3	38.5	34.3	34.0	...	72.1	60.1
65 +	547.4	124.1	140.7	152.5	130.2	...	321.9	225.6
Female, 15+	1563.0	363.9	433.2	419.9	345.9	...	929.7	633.3
15–24 years	247.0	55.5	65.5	71.6	54.4	...	151.9	95.0
25–34	99.1	21.3	30.8	24.4	22.6	...	59.0	40.1
35–44	73.5	18.9	23.3	17.2	14.2	...	41.1	32.4
45–54	103.6	19.8	29.9	27.3	26.6	...	51.2	52.4
55–64	246.9	52.5	70.5	68.0	55.9	...	137.1	109.8
65 +	792.9	196.0	213.3	211.4	172.3	...	489.3	303.6

Table 4.2. Population outside the labor force (aged 15-89) by education, sex, region and type of settlement, 2022 (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
Population outside the labor force	2555.9	580.6	696.9	694.0	584.4	...	1515.7	1040.2
No formal education	41.2	7.7	13.0	10.8	9.7	...	13.8	27.4
Primary	1040.5	162.6	288.0	325.3	264.7	...	476.5	564.0
Secondary	1173.3	291.6	326.4	303.0	252.3	...	774.4	398.9
Higher	300.9	118.7	69.5	55.0	57.7	...	251.0	49.9
Male	1007.8	222.0	266.7	277.9	241.1	...	595.3	412.4
No formal education	10.0	2.3	3.6	2.1	1.9	...	3.9	6.2
Primary	356.9	53.4	93.8	116.1	93.7	...	156.9	200.0
Secondary	503.7	114.8	140.0	131.5	117.4	...	321.1	182.6
Higher	137.2	51.5	29.3	28.3	28.1	...	113.5	23.7
Female	1548.1	358.5	430.2	416.1	343.3	...	920.4	627.7
No formal education	31.1	5.4	9.4	8.6	7.8	...	9.9	21.2
Primary	683.6	109.2	194.2	209.2	171.0	...	319.6	364.0
Secondary	669.6	176.7	186.5	171.5	134.9	...	453.4	216.2
Higher	163.7	67.2	40.2	26.7	29.6	...	137.5	26.2

Table 4.3. Population outside the labor force, aged 15-74, by desire and employment opportunities, sex and region, 2022 (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
Population outside the labor force (15-74)	2048.5	811.7	1236.8	463.0	565.5	553.1	466.8	...
By willingness and employment opportunity								
Willing and able to work	125.7	58.2	67.5	30.0	31.6	32.3	31.8	...
Willing but unable to work due to:	60.0	19.9	40.1	12.0	26.1	9.4	12.4	...
Education or training	10.5	4.2	6.2	2.0	5.1	1.1	2.3	...
Illness or disability	13.7	7.0	6.6	2.5	5.9	2.3	3.0	...
Child or relatives care	15.5	1.1	14.4	3.3	6.6	2.6	3.0	...
Personal and family reasons	13.7	4.7	9.0	2.8	6.0	2.5	2.6	...
Other reasons	6.6	2.8	3.8	1.4	2.6	1.0	1.6	...
Unwilling to work due to personal reasons:	1862.8	733.6	1129.2	421.1	507.8	511.4	422.6	...
Education or training	443.0	204.7	238.2	100.4	111.0	131.9	99.7	...
Illness or disability	249.8	113.0	136.7	58.3	70.5	68.7	52.2	...
Child or relatives care	82.6	3.4	79.2	16.5	27.9	24.2	14.0	...
Other personal or family reasons	182.4	37.8	144.6	39.0	55.1	51.5	36.9	...
Pension	773.5	335.9	437.6	184.4	212.8	206.2	170.1	...
Other reasons	131.6	38.7	92.8	22.4	30.5	29.0	49.7	...

Graph. 22. Population outside the labor force not in search of employment due to child care or adult disabled person care, by sex, 2022 (in %)

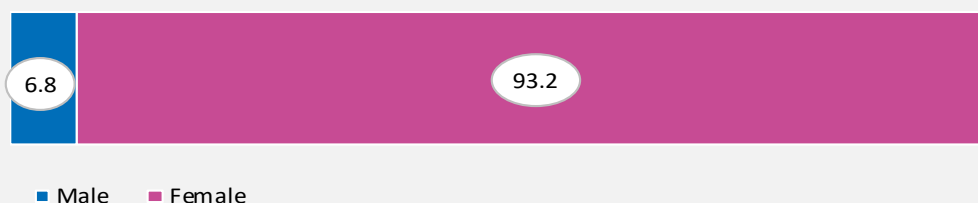


Table 4.4. Population outside the labor force (aged 15-89) by previous work experience, sources of income, sex and region, 2022 (in thous.)

	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
Population outside the labor force	2555.9	1007.8	1548.1	580.6	696.9	694.0	584.4	...
By previous work experience								
Had previous work experience	1801.1	768.0	1033.1	430.4	502.1	466.1	402.4	...
No work experience	754.8	239.8	515.0	150.2	194.8	227.9	182.0	...
By main sources of income								
Salary/pension of spouse/parent/other household members	964.8	313.2	651.6	207.5	269.7	268.2	219.5	...
Support from other relatives/friends	25.2	9.3	15.9	6.5	5.2	6.7	6.8	...
Own pension	1434.3	617.8	816.5	345.9	374.1	390.3	324.0	...
Income from insurance in case of unemployment	8.5	3.8	4.8	1.1	2.9	2.5	2.0	...
Student grant/student loan	3.3	1.5	1.7	/	1.4	/	1.2	...
Occasional jobs/small-range agricultural production	24.6	18.2	6.5	3.0	7.4	7.3	7.0	...
Welfare	62.4	27.0	35.4	9.6	26.8	12.9	13.0	...
Parent allowance	1.3	/	1.1	/	/	/	/	...
Revenue from rents/interest/dividend	3.3	1.6	1.7	/	2.1	/	/	...
Savings	10.4	6.0	4.4	2.7	3.9	1.7	2.0	...
Credits or borrowings	/	/	/	/	-	/	-	...
Aid from charity or religious organizations	/	/	/	/	-	/	-	...
Other	17.3	9.2	8.2	2.5	3.3	2.9	8.7	...

Graph. 23. Major reasons of employment termination of population outside the labor force, who stopped working in the past 7 years, by sex, 2022 (in thous.)

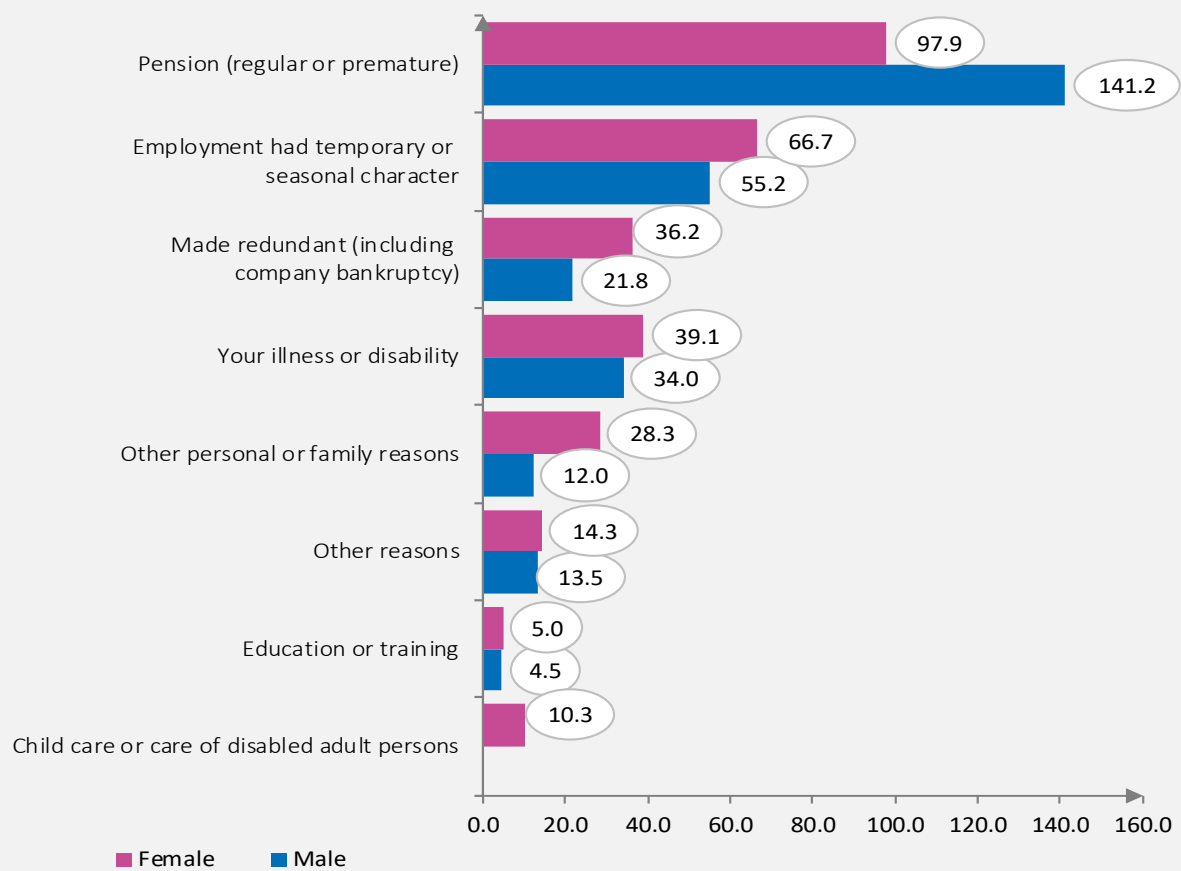


Table 4.5. Underused and potential labor force, aged 15–74, 2022 (in thous.)

	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 (15–74)	211.5	108.5	103.0	51.9	61.2	49.7	48.7	...
Underused labor force¹⁾	70.1	43.2	26.9	18.8	22.5	14.4	14.4	...
Potential labor force²⁾	141.4	65.3	76.1	33.1	38.7	35.3	34.3	...
In search of employment but unable to work ³⁾	15.8	7.2	8.7	3.2	7.1	2.9	2.7	...
Able to work but not in search of employment ⁴⁾	125.5	58.1	67.4	29.9	31.6	32.3	31.7	...

¹⁾ Includes persons who work part-time and wish and are able to work more hours.

²⁾ Includes inactive persons connected to the labour market in some way. i.e. persons in search of employment but unable to work, and persons that are able to work but not in search of employmenta job.

³⁾ Includes persons within inactive population who have already found employment but are unable to start working within two weeks; persons who have found employment where they should start working within the period longer than three months.

⁴⁾ Includes persons, outside the labor force, who are willing and able to start working within two weeks although they were not in search of employment.



Methodological explanations



METHODOLOGICAL EXPLANATIONS

Labour Force Survey (LFS) is a survey envisaged to collect the data on the main characteristics of labour force in order to evaluate the total labour force in the country. The overall objective of the survey is to obtain data on three basic, mutually exclusive contingents of the population: employed, unemployed and outside the labor force population – on their demographic, social-economic, educational and other characteristics.

Data obtained from LFS is used for monitoring, measuring and evaluating economic and social trends both in the Republic of Serbia and for international comparison. In terms of methodology, organization, sampling, questionnaire design and definitions of employed/unemployed the LFS is implemented in compliance with standards and recommendations of the International Labour Organization (ILO) and regulations of the European Statistical Office (Eurostat), which enables comparison of data obtained from the LFS with equivalent data from other (especially European) countries.

The survey results are published in aggregated form, which completely ensures the confidentiality of individual data on households and persons pursuant to the Official Statistics Law (Official Gazette of RS, No 104/09).

Since January 2021, the Labor Force Survey has been implemented based on and in compliance with the new Regulation of the European Parliament and Council. The new European regulation requires the EU countries and candidate countries apply new redesigned concepts in the LFS since 2021.

The objective of revising the methodology is to improve the contents of the Survey in order to provide more precise monitoring of trends on the labor market, considering the constant changes in its dynamics and structure.

Introduction the new, standardized questionnaire ensures improvement of the overall quality of data and their international comparability. The Republic of Serbia, i.e. the Statistical Office of the Republic of Serbia as a member of the European Statistical System adjusts to the changes in the European legislation parallel with other European countries.

The changes that have been introduced in the LFS since 2021 refer mainly to the definitions and manner of specifying certain categories of population on the labor market – employed persons, unemployed persons and outside the labor force persons – as well as to the scope and range of variables devoted to their additional characteristics.

Modifications of definitions result from the application of provisions of the Resolution concerning statistics of work, employment and labour underutilization adopted in 2013 at the 19th International Conference of Labour Statisticians in Geneva, recommended for use by the International labor Organization (ILO).

The most significant change in the definition of the employed refers to the exclusion from the contingent of employed those persons who produce agricultural goods and services intended for personal consumption, i.e. without placing the product on the market. The change in the contingent of employed persons consequently affects the change in the contingents of unemployed persons and outside the labor force persons.

Unit of interview

The unit of interview is any member of randomly selected household. The basic socio-demographic data are collected for all members of the selected households, however for the labor activity data are collected only for persons aged 15 and over.

Period of observation

Starting from 2015, Labour Force Survey has been implemented as a continuous survey. Each week in a year is regarded as the observed (reference) week. The interview period lasts two weeks after the observed week. A reference week is specified for each household in the sample. 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 observation period for the first quarter included 13 reference weeks and it lasted from 3 January to 3 April 2022, while the interview period lasted from 10 January to 17 April 2022.

The observation period for the second quarter included 13 reference weeks and it lasted from 4 April to 3 July 2022, while the interview period lasted from 11 April to 17 July 2022.

The observation period for the third quarter included 13 reference weeks and it lasted from 4 July to 2 October 2022, while the interview period lasted from 11 July to 16 October 2022.

The observation period for the fourth quarter included 14 reference weeks and it lasted from 3 October 2022 to 1 January 2023, while the interview period lasted from 10 October 2022 to 15 January 2023.

For the purpose of Labour Force Survey, **week** is defined as a seven-day period of time, starting on Monday and ending on Sunday inclusive.

Definitions

Starting from 2021, the Labor Force Survey has been implemented on the basis of Regulation (EU) 2019/1700 of the European Parliament and Council of 10 October 2019, which establishes a common framework for European statistics on persons and households based on data on individuals collected on the basis of a sample, which amends Regulations (EC) 808/2004, (EC) 452/2008 and (EC) 1338/2008 of the European Parliament and of the Council and repeal Regulation (EC) 1177/2003 of the European Parliament and of the Council and Regulation (EC) 577/98, and in particular Article 7 paragraph 1, Article 8, paragraph 3 and Article 13, paragraph 6 thereof. The new Regulation (EU) 2019/1700, on which basis the Survey is conducted, is based on the application of provisions "Resolutions on labor statistics, employment and underutilized labor", which was adopted in 2013 at the 19th International Conference of Labor Statisticians in Geneva and recommended for use by the International Labor Organization (ILO).

A household is

a) any family or other community of persons who declare that: 1) they live together in the entire residential unit or in any part thereof; 2) they provide food for themselves and meet other basic needs for living; 3) they share revenue or household expenses with other members of the household. Sharing household income means contributing to or benefiting from household revenue.

b) any person living alone (single-member household), who does not have own household in another place, who lives in a separate or shared apartment as a single person or as a tenant, regardless of whether s/he lives in the same room with another single person or members of the landlord's household, but does not spend her/his revenue with them but only pays for housing services.

The survey does not include collective households (student dormitories, homes for children and youth with mental and physical disabilities, homes for socially vulnerable children, homes for the elderly and infirm, homes for adults with disabilities, monasteries, etc.).

Employed population includes persons aged 15–89 who belonged to one of the following categories during the observation week:

- Persons who worked at least one hour for earnings or income during the observed week, including unpaid family workers;
- Persons who have a job or business from which they were temporarily absent during the entire observed week, but are related to the job, such as:
 - Persons absent from work due to holidays, redistribution of working hours, sick leave, maternity leave, work-related training;

- Persons on parental leave, whether receiving earnings or benefits from work from which they are absent, or whose expected duration of parental leave is up to 3 months;
- Seasonal workers out of season, if they continue to regularly perform tasks and duties for the job or business from which they are absent, excluding the fulfillment of legal or administrative obligations;
- Persons who did not work in the observed week for some other reasons, and whose expected duration of absence is up to 3 months;
- Persons producing agricultural products, the main part of which is intended for sale or exchange (barter).

Persons producing goods for own use, volunteers, persons in unpaid training and persons involved in other forms of work, based on the Resolution on labor statistics, employment and underutilization of labor adopted in 2013 at the 19th International Conference of Labor Statisticians, are not included in the contingent of employed based on these activities.

According to the **Professional Status Classification** of employed, they are divided into self-employed, employees and unpaid family workers.

Self-employed are persons who work independently in their own company, institution, private shop or on an agricultural holding, as well as persons who perform independent professional activity or some other job for their own account.

Employees are persons working for an employer in any kind of ownership, regardless of whether they have a formal employment contract or work on the basis of an oral agreement. Members of the household who help with family work and who are paid for their work are considered employed workers.

Unpaid family workers are relatives who help in the family business or on the family holding, without earnings or income. These include e.g. a son or daughter working in their parents' company / on a holding without compensation; a woman who helps her husband without compensation, etc. This also includes relatives who live elsewhere but come to help with the business, e.g. during the harvest season, without payment in cash or in kind.

Unemployed population includes persons aged 15-74 who:

- In the observed week, were not employed in accordance with the definition of employment given in the text above;
- Are currently available for work, i.e. they are available to start working as paid employees or self-employed within two weeks after the observation week;
- Are actively search a job, whether they have taken activities in the previous four weeks conclusive with the observed week, in order to look for paid employment or self-employment, or have found a job to start working no later than three months after the observation week.

Seasonal workers who did not work during the observed week (because they are out of season), but who expect to return to their seasonal work, are considered to have found a job.

Active population (labor force) consists of all employed and unemployed persons.

Outside the labor force population includes:

- Persons younger than 15;
- Persons older than 89;
- Persons aged between 15 and 89 who were not employed or unemployed during the observed week according to the definitions of employment and unemployment given in the text above.

Potentially active population (potential labor force) includes outside the labor force population that is in some way connected with the labor market. It consists of people who are actively in search of employment but cannot start working immediately (i.e. within two weeks) as well as person who desire and can start working immediately although they not in search of employment.

Subjective employment status is employment status of the respondent according to his/her own opinion, and not according to his/her actual activity in the observed week.

Employment rate is the share of employed in the total observed population (population aged 15+).

Informal employment is considered to be work in unregistered business entities, work in registered business entities without an employment contract, and work of unpaid family workers.

Informal employment rate is the share of informally employed in total employment.

Unemployment rate is the share of the unemployed in the labor force (employed and unemployed).

Long-term unemployment rate is the share of persons in the labor force (employed and unemployed) who have been unemployed for more than one year.

NEET rate is the participation of persons aged 15-24 (or 15-29) who are not employed, not attending education or training in the total population of that age.

Activity rate (labor force participation) is the share of the active population in the total observed population (population aged 15+).

Outside the labor force population rate is the share of outside the labor force population in the total observed population (population aged 15+)

Classifications

The following classifications were used in coding and processing the data obtained by the survey:

1. Classification of Activities of the European Union (NACE rev. 2), which is comparable to the Classification of Activities of the United Nations (ISIC - rev. 4);
2. International Standard Classification of Occupations (ISCO - 08);
3. International Standard Classification of Education (ISCED – 2011);
4. Classification of Fields of Education (ISCED-F 2013) supplementing the International Standard Classification of Education (ISCED – 2011);
5. International Classification of Status in Employment (ICSE-93).

Sample design

The **basic set** consists of households and persons referring to the common population in the territory of the Republic of Serbia without the Region of Kosovo and Metohia. Excluded are persons in collective households (students dormitories, homes for children and youth with disabilities, homes for socially vulnerable children, homes for pensioners, elderly and infirm, homes for adult disabled persons, monasteries etc.).

Type of sample – Two-stage, stratified sample. 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 (city and other) and by territory at the NUTS 3 level (25 districts: Belgrade, West Bačka, South Banat, South Bačka, North Banat, North Bačka, Central Banat, Srem, Zlatibor, Kolubara, Mačva, Moravica, Pomoravlje, Rasina, Raška, Šumadija, Bor, Braničevo, Zaječar, Jablanica, Nišava, Pirot, Podunavlje, Pčinja and Toplica).

Sampling frame – The 2011 Serbian Population Census was used as a frame for the selection of the enumeration areas and households. It was formed by excluding all enumeration areas with 19 or less households. The frame was therewith reduced by about 1.5% in regard to the basic set.

Sample size – The target sample size amounts to 76 960 households in 7 696 enumeration areas.

Sample allocation – Proportional allocation according on the number of persons aged 15+ within the type of settlement and territory was slightly corrected in order to get better precision of evaluation at the level of districts and uniform distribution of the sample in the time. Each subsample allocated for a quarter is randomly and uniformly distributed to 13 weeks for all four quarters. 52 weeks were observed in 2022.

Sample selection – The sample for 2021 consists of nine independent subsamples selected according to the same sample pattern. The first stage units (enumeration areas) are selected systematically with probability proportional to the number of population aged 15+. Enumeration areas within each stratum were sorted according to the municipality they belong to and the order number within the municipality. High level of implicit geographic stratification and effective sample distribution were ensured this way along with the systematic selection. The second stage units (households) were selected with equal probabilities (simply randomly).

Rotation scheme – The Labour Force Survey is based on the sample rotating panel design by which each household participates for four times in a sample. The rotating scheme 2-2-2 was applied. Four subsamples (rotating groups) are allocated for each quarter. Each quarter (Q) in the sample includes: 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 is interviewed 4 times within 18 months, i.e. each household and person is in the sample for two consecutive quarters, then out of the sample for two quarters and again in the sample for two consecutive quarters.

Sample realization – The total of 104 816 persons were interviewed, and data on working activity were collected for 94 458 persons, which makes 1.6% of the total number of population aged 15+.

Evaluation system – To make the results from the sample representative for the observed general population, each household and person in the sample were appended a weight (expansion factor). The major component of the weight is the reciprocal value of the product of the probabilities of selection at every stage for each stratum and represents the base weight (sample design weight). The second component of the weight takes into account the level of non-responses for a household. Response rates were calculated after the completion of fieldwork. These were used to correct the sample 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 the household with use of calibration method.

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

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

For various indicators the evaluation of total, proportion and their errors are calculated. At data publishing, it is not possible to form each evaluation with its sampling error. In order to make available the sampling error to users during analysis, for data purposes, the approximate values are calculated based on regression model. In this survey's methodology, via link: <http://pod2.stat.gov.rs/ObjavljenPublikacije/G2017/pdf/G20177069.pdf> it is possible to find approximate values of variation coefficient for quarterly evaluations of total and annual averages in Table 1 and 2, as instruction for the manner of using the Tables.

 **Symbols**

- = no phenomena
- ... = data not available
- / = small number of phenomena – result not published

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Number of pages: 79

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