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Labor market Analysis and a Report on the State of the labor market in the Republic of Serbia

The European Union, Innovation & Media Partnership for Action,
Collaboration and Transformation in Western Balkans
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Labor market Analysis and a Report on the State of the labor market in the Republic of Serbia

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1. Labour force participation rate

According to the Labor Force Survey for the 1st quarter of 2019, the activity rate of the population aged 15 and over was 53.9% (men 61.4%, women 46.8%). The highest rate of activity in this period was recorded in the Belgrade Region (55.8%), then in Sumadija and Western Serbia regions (54.7%), followed by Vojvodina (52.8%) and Southern and Eastern Serbia (52.0%).

The employment rate of the population aged 15 and over was 47.4% (males 54.0%, females 41.2%). The highest employment rate was recorded in the Belgrade Region (50.3%), followed by Vojvodina (47.4%), the Region of Sumadija and Western Serbia (47.1%), while Southern and Eastern Serbia recorded the lowest (44.3%).

The informal employment rate, in total, was 17.1%. The informal employment rate is significantly higher in agriculture (56.8%) than in all other activities (8.0%).

The unemployment rate of the population aged 15 and over was 12.1%, equal for women and men. By regions, the lowest was in Belgrade Region (10.0%), followed by Vojvodina Region (10.3%), Sumadija and Western Serbia (13.8%) and the Region of Southern and Eastern Serbia (14.8%).

Compared to the first quarter of 2018, the labor contingent increased by 40.700 persons. The number of employees increased by 122.300 and the number of unemployed by 81.600. The employment rate increased by 2.3% and the unemployment rate decreased by 2.7%. Within total employment, informal employment dropped (by 18.100) and formal employment increased (by 140,300). The informal employment rate of 17.1 % was reduced by 1%.

Based on the results of the Survey from the first quarter of 2018 and the first quarter of 2019, we can conclude that women were employed more often in that period (the number of employed women increased by 94.000, while the number of employed men increased only by 28.300). Due to this trend, judging by the achieved ratios of employment rates/activities amongst men and women, the position of women in the labor market in the first quarter of 2019, is significantly better than in the previous period.

The largest absolute growth, expressed as the number of employees was recorded in the regions of Vojvodina (38.500) and the Belgrade (35.300), while the largest relative increase in employment, on the aspect of the change in the employment rate, was registered in the Southern and Eastern Serbia, where the employment rate, despite an increase of 2.8 p. p has the achieved value of 44.3%, still significantly lower than in other regions.

Employment growth is mostly pronounced within population that has higher education and in the 55-64 age group. In the 15-24 age group, there were no significant changes regarding the number of employees compared to the first quarter of 2018. At the same time, the total population of young people and the number of unemployed persons decreased. Therefore, the unemployment rate is for 3.9% lower than in the same period of last year, and it amounts 30.7%. The so-called NEET rate, which represents the share of young people (15-24) who are neither working and who are neither participating in the educational process, within the total youth population, was 14.7% and, compared to the same period last year, it was reduced by 2.5% .

1.1. The main contingents of the labor force of person 15+ years old, II quarter 2019.

	2nd quarter 2019	Changes from the previous quarter		Changes of the same quarter in previous year	
	(thousands)	(thousands)	%	(thousands)	%
Total	5927,6	-7,3	-0,1	-31,6	-0,5
Active	3250,5	52,8	1,7	-37,9	-1,2
Employed	2916,5	106,0	3,8	19,7	0,7
Unemployed	334,0	-53,2	-13,7	-57,6	-14,7
Inactive	2677,1	-60,1	-2,2	6,2	0,2
Men	2859,7	-3,4	-0,1	-14,7	-0,5
Active	1799,1	40,5	2,3	-29,2	-1,6
Employed	1625,4	79,4	5,1	4,2	0,3
Unemployed	173,7	-38,9	-18,3	-33,4	-16,1
Inactive	1060,6	-43,9	-4,0	14,5	1,4
Women	3067,9	-3,9	-0,1	-16,9	-0,5
Active	1451,3	12,3	0,9	-8,7	-0,6
Employed	1291,1	26,6	2,1	15,5	1,2
Unemployed	160,2	-14,3	-8,2	-24,2	-13,1
Inactive	1616,5	-16,2	-1,0	-8,3	-0,5

Source: Statistical Office of the Republic of Serbia Labour Force Survey, 2nd quarter 2019

1.2. Rates of activity, employment, unemployment and inactivity - population 15+ years old, II quarter of 2019.

	%	2nd quarter 2019	Changes related to	
			1st quarter 2019	2nd quarter 2018
Total	Activity rate	54,8	1,0	-0,3
	Employment rate	49,2	1,8	0,6
	Unemployment rate	10,3	-1,8	-1,6
	Inactivity rate	45,2	-1,0	0,3
Men	Activity rate	62,9	1,5	-0,7
	Employment rate	56,8	2,8	0,4
	Unemployment rate	9,7	-2,4	-1,7
	Inactivity rate	37,1	-1,5	0,7
Women	Activity rate	47,3	0,5	0,0
	Employment rate	42,1	0,9	0,7
	Unemployment rate	11,0	-1,1	-1,6
	Inactivity rate	52,7	-0,5	0,0

Source: Statistical Office of the Republic of Serbia Labour Force Survey, II quarter 2019.

1.3. Rates of activity, employment, unemployment and inactivity for the population 15+ years old, by aereas, 2018.

	Activity rate	Emplyment rate	Unemployment rate	Inactivity rate
Republic of Serbia (%)	53,9	47,4	12,1	46.1
City of Belgrade	56,2	50,1	10,9	43,8
North Bačka District	53,7	49,9	6,9	46,3
Central Banat District	50,6	45,8	9,5	49,4
North Banat District	52,3	46,4	11,4	47,7
South Banat District	49,9	44,6	10,5	50,1
West Bačka District	51,0	44,8	12,3	49,0
South Bačka District	55,3	49,7	10,1	44,7
Srem District	52,6	46,1	12,3	47,4
Mačva District	60,3	53,7	10,9	39,7
Kolubara District	62,7	57,9	7,6	37,3
Podunavlje District	50,8	41,2	18,8	49,2
Braničevo District	51,9	44,9	13,5	48,1
Šumadija District	55,8	47,9	14,1	44,2
Pomoravlje District	49,7	40,7	18,0	50,3
Bor District	48,2	40,9	15,2	51,8
Zaječar District	51,1	44,6	12,7	48,9
Zlatibor District	58,2	52,6	9,7	41,8
Moravica District	60,0	55,5	7,5	40,0
Raška District	50,8	37,6	26,1	49,2
Rasina District	52,9	44,4	16,1	47,1
Nišava District	54,9	45,5	17,1	45,1
Toplica District	56,7	49,6	12,6	43,3
Pirot District	52,1	44,2	15,2	47,9
Jablanica District	52,9	46,0	13,0	47,1
Pčinja District	52,0	39,4	24,2	48,0

Source: Statistical Office of the Republic of Serbia Laboure Force Survey

Note: The lowest territorial level of measurement activity, employment, unemployment, and inactivity rates are areas. Only individual indicators can be displayed at the areal level, such as the basic labor force contingents in this case. Survey data on the Labor force are not available at the municipal level.

2. The employment rate of the population (Employment-to-population ratio)

Employees are persons who performed some paid work for at least one (1) hour in the observed week (in cash or in-kind), as well as persons who had employment but who were absent from work that week. Beside persons who have established employment in a company, institution or another type of organization, or work as private entrepreneurs, employees are also individual farmers, assisting members of the household, as well as persons who have done some work that they have independently found and contracted (verbally or in writing) without formal employment. Therefore, the work status of a person in a Survey has been determined on the basis of a statement of the activity performed in the observed week.

According to the Classification of Occupational Status of Employees, they are divided into self-employed, employed workers and assisting household members. Self-employed persons are persons who work independently in their own company, institution, private company or agricultural estate, as well as persons who perform an independent professional activity or other work for their own account. Employed workers are persons who work for an employer in any sector of the property, regardless of having a formal employment contract or are just an oral agreement. Household members who assist in carrying out domestic work and who are paid for their work are considered employed workers. Assisting household members are persons who assist another household member in running a family business or farm without being paid for that work.

In 2018, total employment (registered and unregistered/formal and informal) increased by 38,200 (or 1.4%) compared to 2017 and amounted to 2,832,900 and the employment rate during 2018 reached 47.6%. which is for 0.9% higher than in 2017. Employment growth has affected both unemployment and inactivity. The unemployment rate in 2018 was 12.7%, went down for 0.8% compared to 2017, continuing the downward trend in unemployment that has started in 2013. The number of unemployed in 2018 was 412,200 (23,000 less than in 2017). The inactivity rate has also been steadily declining since 2013, reaching 45.5% in 2018. The number of inactive persons amounted to 2,710,000, 44,900 less than in 2017.

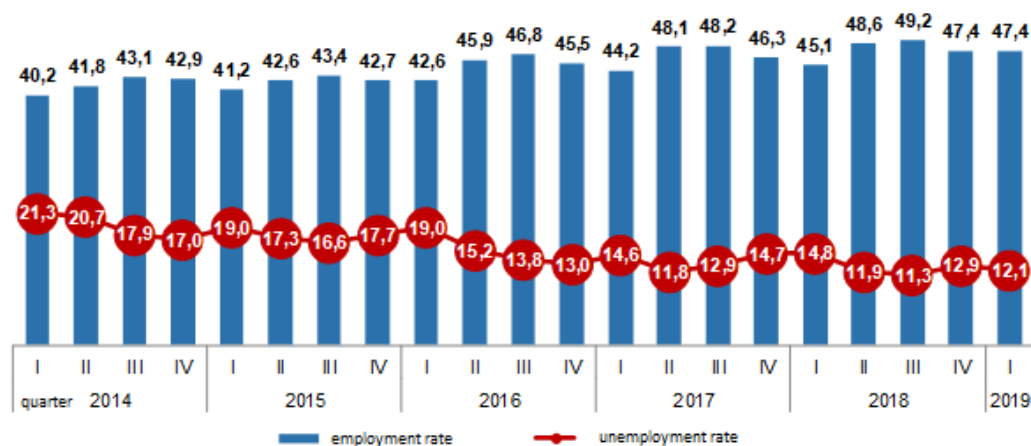


Figure 1. Trends of employment/unemployment rates of the population aged 15 and over, period 2014–2019. (%) Source: Statistical Office of the Republic of Serbia in 2019.

In the first quarter of 2019, the total number of employees was 2.147.948. Of these 1.702.897 were employed within legal entities, 370.640 are entrepreneurs, their employees and those self-employed, while 74.411 persons are C. The employment rate of the population aged 15 and over was 47.4% and the unemployment rate was 12.1%. The employment rate of the population aged 15 and over was 47.4% and the unemployment rate was 12.1%. Compared to the first quarter of 2018, the total number of employees increased by 2.7%, while the number of employees in legal entities increased by 2.6%, the number of entrepreneurs, their employees and those self-employed increased by 5.3%. The number of registered individual farmers decreased by 8.3%.2.1.

Registered Employment (I quarter 2019).

	Number of employees I quarter 2019	Changes related to previous quarter		Changes related to the same quarter in previous year	
		Devergenicies	Indexes	Devergenicies	Indexes
Registered Employment - total	2 147 948	- 10 711	99,5	55 728	102,7
Employed within legal entities (with and without employment)	1 702 897	- 7 986	99,5	43 779	102,6
Entrepreneurs, their employees and those self-employed (with and without employment)	370 640	- 1 292	99,7	18 683	105,3
Entrepreneurs, their employees and those self-employed	74 411	- 1 433	98,1	- 6 734	91,7

Source: Statistical Office of Republic of Serbia, Statistics of employment and earnings in 2019.

In the second quarter of 2019, the total number of employees was 2,161,533. 1,715,436 out of the total number, are employed within legal entities, 373,444 are entrepreneurs and persons employed by them or self-employed while 72,653 persons are registered as individual farmers. Compared to the second quarter of 2018, the total number of employees increased by 1.6%, while the number of employees in legal entities increased by 1.9%, the number of entrepreneurs, employees and self-employed persons increased by 2.8%. At the same time the number of registered individual farmers decreased by 8.7%.

In the previous quarter, the total number of employees increased by 0.6%, wherein the number of employees in legal entities increased by 0.7%, the number of entrepreneurs, their employees and those self-employed was increased to 0.8 %, while the number of registered individual farmers decreased by 2.4%

2.2. Registered employment (II Quarter 2019)

	Number of Employees	Changes related to previous quarter		Changes related to the same quarter in previous year	
		Devergenicies	Indexes	Devergenicies	Indexes
Registered Employment - total	2 161 533	13 585	100,6	34 936	101,6
Employed within legal entities (with and without employment)	1 715 436	12 539	100,7	31 732	101,9
Entrepreneurs, their employees and those self-employed (with and without employment)	373 444	2 804	100,8	10 128	102,8
Entrepreneurs, their employees and those self-employed	72 653	- 1 758	97,6	- 6 924	91,3

Source: Statistical Office of Republic of Serbia, Statistics of employment and earnings in 2019.

2.3. Employees of legal entities (companies, enterprises, cooperatives, institutions, and other organizations), self-employed, entrepreneurs and their employees, I quarter 2019.

Republic of Serbia (First quarter of 2019)	Number of Employees	Changes related to previous quarter		Changes related to the same quarter in previous year	
	I quarter 2019	Devergenicies	Indexes	Devergenicies	Indexes
Registrated employees with or without employment - total	2 073 537	- 9 277	99,6	62 462	103,1
Total number with employment	2 004 783	- 2 218	99,9	59 731	103,1
Employees of legal entities	1 638 193	- 946	99,9	41 841	102,6
Self-employed, entrepreneurs and their employees	366 590	- 1 272	99,7	17 890	105,1
Total number without employment	68 754	- 7 060	90,7	2 731	104,1
Employees of legal entities	64 704	- 7 040	90,2	1 939	103,1
Self-employed, entrepreneurs and their employees	4 050	- 20	99,5	792	124,3

Source: Statistical Office of Republic of Serbia, Statistics of employment and earnings in 2019.

2.4. Employees of legal entities (companies, enterprises, cooperatives, institutions, and other organizations), self-employed, entrepreneurs and their employees, II quarter 2019.

Republic of Serbia (II quarter of 2019)	Number of Employees	Changes related to previous quarter		Changes related to the same quarter in previous year	
	2nd quarter 2019	Devergenicies	Indexes	Devergenicies	Indexes
Registrated employees with or without employment - total	2 088 881	15 344	100,7	41 861	102,0
Total number with employment	2 017 835	13 052	100,7	41 887	102,1
Employees of legal entities	1 648 742	10 549	100,6	32 361	102,0
Self-employed, entrepreneurs and their employees	369 092	2 502	100,7	9 525	102,6
Total number without employment	71 046	2 292	103,3	- 26	100,0
Employees of legal entities	66 694	1 990	103,1	- 629	99,1
Self-employed, entrepreneurs and their employees	4 352	302	107,5	603	116,1

Source: Statistical Office of Republic of Serbia, Statistics of employment and earnings in 2019.

2.5. Registered Employment by Modality and NUTS¹, 2018.

The survey on registered employment is based on the combination of data from the Central Registry of Compulsory Social Security (CROSO) and the Statistical Business Register (SPR). Data on payers of compulsory social security contributions and insured persons, based on the job, are obtained from CROSO. Data on business entities and their basic characteristics are obtained from the SPR. The distribution of employees by municipalities and activities within the business entity is made according to structures formed on the basis of data on local units.

The term employee refers to persons who have a formal legal employment contract, that is, based on a fixed-term or permanent contract with an employer; persons who work outside of employment, on the basis of a contract of employment or on the basis of a contract on the performance of temporary and occasional jobs; persons engaged in independent activities or are founders of companies or entrepreneurial entities; as well as persons engaged in agricultural activities that are registered in the Central Register of Compulsory Social Security.

Territory - NUTS	Modality of registered employment			
	Registered employment Total	(employees with or without employment)		Registered individual farmers
		Employees in legal entities	Self-employed, entrepreneurs and their employees	
REPUBLIC OF SERBIA	2131079	1688241	364305	78533
SERBIA – NORTH	1263848	1061209	177898	24741
Belgrade district	717998	629921	85349	2728
Belgrade district	717998	629921	85349	2728
Barajevo	3995	2766	1165	64
Voždovac	53644	46113	7506	25
Vračar	38175	32608	5560	8
Grocka	14443	9612	4290	540
Zvezdara	41651	33135	8498	19
Zemun	62168	54081	7999	88
Lazarevac	22815	20478	2235	102
Mladenovac	10290	6995	2615	680
Novi Beograd	142935	132791	10112	31
Obrenovac	16948	13567	2785	596
Palilula	66578	58704	7628	247
Rakovica	18897	14142	4745	10
Savski venac	102424	99005	3410	8
Sopot	3984	1947	1855	181
Stari grad	62346	57132	5205	9
Čukarica	40475	32490	7960	25
Surčin	16228	14353	1780	95
Vojvodina district	545851	431288	92550	22013
West Bačka district	41632	31345	8012	2275
Apatin	5812	4282	1310	220
Kula	7911	5755	1808	349
Odžaci	6954	5369	1261	324
Sombor	20955	15940	3633	1382
South Banat district	65123	48207	12817	4100
Alibunar	3419	2058	758	602
Bela Crkva	2922	1948	663	311
Vršac	14551	11818	2096	637
Kovačica	4376	2522	963	891

¹ Nomenclature of Territorial Units for Statistics

Territory - NUTS	Modality of registered employment			
	Registered employment Total	(employees with or without employment)		Registered individual farmers
		Employees in legal entities	Self-employed, entrepreneurs and their employees	
Kovin	6411	4441	1399	570
Opovo	1288	774	293	220
Pančevo	29919	22998	6351	570
Plandište	2238	1647	292	299
South Bačka district	210475	169200	36492	4783
Bač	2719	1783	505	431
Bačka Palanka	14405	10994	2589	822
Bački Petrovac	4546	3317	874	354
Beočin	2961	2170	665	126
Bečej	8307	6260	1455	592
Žabalj	4493	2964	1044	485
Grad Novi Sad	149578	124685	24116	777
Novi Sad	141754	118581	22440	733
Petrovaradin	7823	6104	1676	44
Srbobran	3052	1888	785	379
Sremski Karlovci	1578	1180	375	23
Temerin	6804	4752	1802	250
Titel	2229	1327	628	274
Vrbas	9802	7880	1652	270
North Banat district	36535	28446	5643	2446
Ada	4722	3240	1133	349
Kanjiža	6297	4778	782	736
Kikinda	14200	11380	2333	487
Novi Kneževac	2179	1693	290	197
Senta	7350	5980	848	522
Čoka	1787	1375	257	155
North Bačka district	55982	46629	7158	2195
Bačka Topola	8181	6609	967	605
Mali Iđoš	2170	1602	416	152
Subotica	45631	38418	5775	1438
Central Bačka district	47156	37570	6932	2654
Žitište	3126	2091	406	629
Zrenjanin	36256	29893	5292	1071
Nova Crnja	1506	1063	201	242
Novi Bečej	4257	3048	765	444
Sečanj	2011	1473	269	268
Srem district	88947	69891	15496	3560
Indija	13207	10628	2208	371
Irig	2099	1434	515	151
Pećinci	7706	6270	1043	393
Ruma	15094	11551	2907	635
Sremska Mitrovica	20298	15506	3694	1098
Stara Pazova	22950	18723	3823	404
Šid	7593	5780	1305	508
SERBIA– SOUTH	867231	627032	186407	53792
Šumadija and West Serbia	500520	352164	111378	36979
Zlatibor district	71274	50734	17694	2846
Arilje	6330	4307	1529	494
Bajina Bašta	6044	3656	1971	418
Kosjerić	2866	1812	711	343

Territory - NUTS	Modality of registered employment			
	Registered employment Total	(employees with or without employment)		Registered individual farmers
		Employees in legal entities	Self-employed, entrepreneurs and their employees	
Nova Varoš	3010	2011	849	151
Požega	7820	5463	1998	359
Priboj	4171	2957	1208	6
Prijepolje	7455	5240	2139	76
Sjenica	4671	3113	1010	548
City of Užice	23455	18338	4840	277
Užice	20211	15469	4472	271
Sevojno	3243	2869	368	6
Čajetina	5450	3837	1439	174
Kolubara district	46694	32498	8797	5398
Valjevo	29008	21800	5385	1823
Lajkovac	3492	2900	445	147
Ljig	2239	1367	600	271
Mionica	3053	1765	635	654
Osečina	2562	1293	492	777
Ub	6339	3373	1240	1726
Mačva district	70951	46486	14454	10011
Bogatić	5581	2103	1051	2427
Vladimirci	3591	1805	509	1276
Koceljeva	3023	1700	506	817
Krupanj	3073	1496	892	684
Loznica	17634	11865	4704	1065
Ljubovija	3051	1965	713	374
Mali Zvornik	2021	1406	575	39
Šabac	32977	24145	5504	3329
Morava district	60294	44425	13731	2137
Gornji Milanovac	12128	9046	2526	556
Ivanjica	8276	5658	2173	445
Lučani	4749	3575	782	391
Čačak	35141	26146	8250	745
Pomoravlje district	48297	34489	10481	3327
Despotovac	4962	3387	995	580
Paraćin	11058	7715	2836	507
Rekovac	1616	897	254	465
Jagodina	17620	13634	3426	560
Svilajnac	5720	3480	1423	817
Čuprija	7320	5376	1546	398
Rasina district	56499	37175	12848	6476
Aleksandrovac	6433	3695	1637	1101
Brus	3761	2225	861	675
Varvarin	3298	1275	843	1180
Kruševac	31611	22548	6950	2113
Trstenik	9121	5721	2085	1315
Čičevac	2273	1710	471	92
Raška district	68847	47504	18692	2651
Vrnjačka Banja	7247	5001	2172	74
Kraljevo	29937	21349	7502	1087
Novi Pazar	21195	14427	6129	639
Raška	5745	4051	1582	112
Tutin	4722	2676	1307	739

Territory - NUTS	Modality of registered employment			
	Registered employment Total	(employees with or without employment)		Registered individual farmers
		Employees in legal entities	Self-employed, entrepreneurs and their employees	
Šumadija district	77666	58852	14681	4133
Arandjelovac	11415	8450	2604	361
Batočina	2385	1848	433	104
Knić	2237	1318	436	482
Kragujevac	51947	41399	9519	1029
Rača	3006	2107	391	508
Topola	4849	2294	944	1611
Lapovo	1827	1436	354	38
Region of Southern and Eastern Serbia	366710	274868	75029	16813
Bor district	29161	22999	4881	1281
Bor	12569	10830	1627	112
Kladovo	4731	3748	845	139
Majdanpek	4186	3514	586	87
Negotin	7675	4908	1824	943
Braničevo district	42117	28038	8086	5992
Veliko Gradište	3579	1666	950	963
Golubac	1392	779	366	246
Žabari	1615	839	288	488
Žagubica	1960	1164	405	390
Kučevo	2467	1519	707	241
Malo Crniće	1870	669	432	769
Petrovac na Mlavi	7048	3249	1657	2142
Grad Požarevac	22187	18154	3280	753
Požarevac	16048	12359	2978	711
Kostolac	6139	5795	302	42
Zaječar district	23939	17389	4848	1702
Boljevac	2318	1481	315	522
Zaječar	11743	8881	2186	676
Knjaževac	6422	4935	1355	133
Sokobanja	3455	2092	992	371
Jablanica district	44819	30594	11710	2516
Bojnik	1443	945	395	103
Vlasotince	6429	3964	2131	334
Lebane	2951	1723	852	376
Leskovac	31415	22283	7674	1459
Medveđa	1820	1405	185	230
Crna Trava	761	274	472	14
Nišava district	100552	78234	20818	1500
Aleksinac	9482	6487	2176	819
Gadžin Han	1411	765	605	42
Doljevac	5090	4350	680	61
Merošina	1650	1144	376	129
Ražanj	1147	582	273	292
Svrljig	2487	1831	600	56
City of Niš	79285	63076	16107	101
Niška Banja	2310	1678	624	7
Pantelejev	9038	6483	2530	24
Crveni krst	13396	11718	1646	32
Palilula	16492	13463	2997	32
Medijana	38049	29734	8309	6

Territory - NUTS	Modality of registered employment			
	Registered employment Total	(employees with or without employment)		Registered individual farmers
		Employees in legal entities	Self-employed, entrepreneurs and their employees	
Pirot district	21722	17265	4233	223
Babušnica	2242	1792	415	35
Bela Palanka	1798	1283	491	23
Dimitrovgrad	2594	2015	538	41
Pirot	15088	12174	2790	124
Podunavlje district	42701	31936	8330	2435
Velika Plana	7876	5562	1883	430
Smederevo	25543	20025	4502	1016
Smederevska Palanka	9282	6348	1944	989
Pčinja district	42066	33599	8064	403
Bosilegrad	1478	1165	261	53
Bujanovac	5575	4108	1289	178
Vladičin Han	3844	2869	966	9
City of Vranje	21594	18196	3295	103
Vranje	20073	16909	3076	89
Vranjska Banja	1521	1287	220	14
Preševo	4127	3090	997	40
Surdulica	4368	3288	1067	13
Trgovište	1080	884	188	7
Toplica district	19634	14813	4060	761
Blace	2325	1752	491	83
Žitorađa	1685	953	466	266
Kuršumlija	3997	2940	849	208
Prokuplje	11627	9169	2254	204

Source: RSO - Research on registered employment in 2018.

2.6. Registered employment by gender and the municipality of residence (NUTS) in 2018.

Territory- NUTS	Total	Sex	
		Male	Femal
Republic of Serbia	2131079	1155488	975592
SRBIJA – NORTH	1185906	615971	569934
Belgrade district	616604	307341	309264
Belgrade district	616604	307341	309264
Barajevo	7867	4321	3546
Voždovac	62236	30010	32225
Vračar	22888	10809	12078
Grocka	26905	14092	12813
Zvezdara	60295	28717	31578
Zemun	61322	30716	30606
Lazarevac	21843	12515	9328
Mladenovac	15534	8185	7349
Novi Beograd	84505	40814	43691
Obrenovac	23612	13429	10183
Palilula	66731	33414	33317
Rakovica	40135	19538	20597
Savski venac	15654	7581	8073
Sopot	5745	3250	2495
Stari grad	20415	9692	10724
Čukarica	66120	32390	33730
Surčin	14799	7869	6930
Vojvodine district	569302	308631	260671
North Bačka district	47044	25588	21456
Apatin	6681	3614	3067
Kula	10522	5804	4719
Odžaci	7949	4426	3523
Sombor	21892	11744	10148
South Banat district	77825	43615	34210
Alibunar	4243	2553	1689
Bela Crkva	3294	1830	1464
Vršac	14597	7575	7022
Kovačica	5267	3336	1931
Kovin	7938	4823	3115
Opovo	2769	1652	1117
Pančevo	37067	20283	16785
Plandište	2650	1564	1086
South Bačka district	206112	107429	98683
Bač	3160	1891	1269
Bačka Palanka	16726	9255	7471
Bački Petrovac	4184	2357	1827
Beočin	4548	2625	1923
Bečej	9297	5447	3849
Žabalj	6869	4045	2824
City of Novi Sad	128665	63359	65306
Novi Sad	117407	57591	59816
Petrovaradin	11258	5768	5490
Srbobran	4290	2565	1725
Sremski Karlovci	2979	1620	1359
Temerin	9340	5183	4157
Titel	3938	2473	1465
Vrbas	12118	6609	5509

Territory- NUTS	Total	Sex	
		Male	Femal
North Banat district	38416	21790	16626
Ada	4278	2396	1882
Kanjiža	5898	3429	2469
Kikinda	16954	9564	7390
Novi Kneževac	2713	1523	1190
Senta	5825	3252	2573
Čoka	2749	1627	1122
North Bačka district	55452	29685	25767
Bačka Topola	8619	4981	3638
Mali Idoš	2783	1620	1163
Subotica	44049	23083	20966
Central Bačka district	52397	29424	22974
Žitište	3911	2444	1468
Zrenjanin	37435	20469	16966
Nova Crnja	2162	1313	849
Novi Bečej	5909	3393	2516
Sečanj	2981	1806	1175
Srem district	92056	51101	40956
Indija	15077	8035	7041
Irig	2774	1575	1199
Pećinci	6368	3850	2518
Ruma	15744	8839	6906
Sremska Mitrovica	23140	12688	10452
Stara Pazova	20965	11356	9610
Šid	7989	4758	3231
SERBIA – SOUTH	929458	524606	404852
Šumadija and West Serbia	530611	300964	229647
Zlatibor district	75942	42057	33886
Arilje	5544	2914	2631
Bajina Bašta	6820	4129	2691
Kosjerić	3102	1817	1284
Nova Varoš	3604	2149	1455
Požega	8402	4672	3730
Priboj	5277	3075	2201
Prijepolje	8031	4524	3507
Sjenica	5022	2999	2022
City of Užice	25812	13447	12366
Užice	24619	12839	11781
Sevojno	1193	608	585
Čajetina	4330	2332	1997
Kolubara district	50475	29865	20610
Valjevo	29587	16108	13479
Lajkovac	4353	2887	1466
Ljig	2777	1723	1054
Mionica	3421	2197	1224
Osečina	2820	1906	914
Ub	7518	5045	2473
Mačva district	77199	45539	31661
Bogatić	6581	4487	2094
Vladimirci	4146	2852	1293
Koceljeva	3411	2113	1298
Krupanj	3793	2513	1280
Loznica	19212	10659	8552
Ljubovija	3513	2264	1249

Territory- NUTS	Total	Sex	
		Male	Femal
Mali Zvornik	2644	1776	868
Šabac	33901	18874	15027
Moravica district	62381	34556	27825
Gornji Milanovac	13202	7517	5686
Ivanjica	8533	4850	3683
Lučani	5145	3188	1957
Čačak	35501	19002	16499
Pomoravlje district	49998	27705	22293
Despotovac	4800	3034	1766
Paraćin	11886	6692	5194
Rekovac	1817	1134	683
Jagodina	18744	9922	8822
Svilajnac	5527	3039	2488
Čuprija	7223	3883	3340
Rasina district	59972	34233	25739
Aleksandrovac	6704	4066	2638
Brus	4270	2436	1834
Varvarin	3598	2327	1270
Kruševac	33287	18267	15020
Trstenik	9705	5726	3980
Ćićevac	2409	1412	997
Raška district	70863	40433	30430
Vrnjačka Banja	7371	3889	3482
Kraljevo	32349	18326	14023
Novi Pazar	19721	11320	8401
Raška	6346	3704	2642
Tutin	5077	3194	1883
Šumadija district	83779	46576	37203
Arandjelovac	12811	7175	5636
Batočina	2856	1651	1205
Knić	3025	2046	978
Kragujevac	54694	29134	25560
Rača	2839	1740	1100
Topola	5592	3688	1904
Lapovo	1963	1142	821
Region of Southern and Eastern Serbia	398847	223642	175205
Bor district	30277	18062	12215
Bor	13291	7964	5327
Kladovo	4981	2995	1986
Majdanpek	4417	2855	1562
Negotin	7587	4248	3339
Braničevo district	43328	25275	18053
Veliko Gradište	3681	2177	1504
Golubac	1684	997	687
Žabari	1764	1127	637
Žagubica	2220	1440	780
Kučevo	2569	1519	1050
Malo Crniće	2070	1341	729
Petrovac na Mlavi	6961	4068	2893
City of Požarevac	22380	12605	9775
Požarevac	18550	10123	8427
Kostolac	3830	2482	1348
Zaječar district	26132	14709	11423

Territory- NUTS	Total	Sex	
		Male	Femal
Boljevac	2603	1658	945
Zaječar	13171	7434	5737
Knjaževac	6765	3563	3202
Sokobanja	3593	2054	1540
Jablanica district	49587	27457	22130
Bojnik	1631	1017	613
Vlasotince	7339	3990	3349
Lebane	3955	2323	1632
Leskovac	34686	18799	15887
Medveđa	1686	1133	553
Crna Trava	291	195	96
Nišava district	106931	55063	51868
Aleksinac	11344	6253	5091
Gadžin Han	1588	1063	526
Doljevac	4448	2560	1888
Merošina	2904	1775	1129
Ražanj	1574	1037	537
Svrljig	2772	1653	1119
City of Niš	82302	40723	41579
Niška Banja	4164	2291	1873
Pantelej	15797	7886	7911
Crveni krst	9583	5037	4546
Palilula	23106	11559	11546
Medijana	29652	13950	15702
Pirot district	23647	13827	9820
Babušnica	2424	1412	1011
Bela Palanka	2507	1525	983
Dimitrovgrad	2431	1386	1045
Pirot	16286	9504	6782
Podunavlje district	50674	29667	21006
Velika Plana	9510	5677	3834
Smederevo	29685	17162	12523
Smederevska Palanka	11478	6829	4649
Pčinja district	46143	27295	18848
Bosilegrad	1579	1002	577
Bujanovac	5845	3854	1991
Vladičin Han	4882	2961	1921
City of Vranje	23948	12987	10962
Vranje	21925	11780	10145
Vranjska Banja	2024	1207	817
Preševo	3778	2737	1041
Surdulica	4749	2839	1910
Trgovište	1361	914	447
Toplica district	22129	12288	9841
Blace	2441	1383	1058
Žitorađa	3373	2064	1309
Kuršumlija	4415	2665	1749
Prokuplje	11900	6175	5725
Unallocated	15716	14911	805

Source: RSO - Research on registered employment in 2018.

2.7. Employees in legal entities, self-employed persons, entrepreneurs and their employees, by sectors and by municipality of employment (NUTS), 2018.

	Republic of Serbia	SERBIA – NORTH	Belgrade district	Belgrade district	Barajevo	Voždovac	Vračar	Grocka	Zvezdara	Zemun	
Total	2052546	1239107	715270	715270	3931	53619	38167	13903	41632	62080	
Agriculture, forestry and fishing	32679	22664	4240	4240	57	172	109	127	82	201	
Mining	24246	12232	9770	9770	3	26	53	28	9	13	
Manufacturing	444888	209735	66611	66611	857	5876	1840	2853	3312	10018	
Supply of el. en. gas, steam and air conditioning	27295	13747	8744	8744	46	832	1084	73	306	471	
Water supply; wastewater management, waste management, etc.	34123	17491	8362	8362	65	1091	416	362	1147	424	
Construction	96292	58033	36785	36785	258	5525	2027	1174	3764	3815	
Wholesale and retail; repair of motor vehicles	339150	209315	121677	121677	776	10046	5747	3348	8779	15487	
Traffic and storage	117773	73960	43393	43393	236	2368	1191	994	2984	5141	
Accommodation and food service	78487	45187	27854	27854	193	1886	2320	348	1698	2419	
Information and communication	63935	52193	38637	38637	81	2391	2099	295	1586	1600	
Financial and insurance activities	43774	32806	23624	23624	23	756	1031	69	816	483	
Real estate business	6189	4710	3371	3371	11	193	351	6	216	246	
Professional, scientific and technical activities	101825	76842	54884	54884	107	4422	4608	1422	3789	3758	
Administrative and support service activities	105046	86571	68006	68006	53	6070	5510	141	3055	5444	
Public administration and defense; compulsory social security	158049	106804	78511	78511	357	3002	2338	585	1161	989	
Education	140794	76780	40812	40812	347	4088	1678	848	3623	4731	
Health and social care	160595	91606	49802	49802	324	2782	2413	802	2854	4632	
Art; entertainment and recreation	35340	22689	14570	14570	37	1065	1373	101	743	1147	
Other service activities	42068	25741	15616	15616	99	1027	1979	327	1706	1060	

	Surčin	Čukarica	Stari grad	Sopot	Savski venac	Rakovica	Palilula	Obrenovac	Novi Beograd	Mladenovac	Lazarevac	
	16133	40450	62337	3803	102416	18887	66331	16352	142904	9610	22713	Total
	386	49	60	10	115	115	1795	17	655	171	118	Agriculture, forestry and fishing
	13	29	32		21	28	120	13	283	3	9094	Mining
	2942	5451	3192	1392	2139	2482	8119	3226	7534	2433	2944	Manufacturing
	6	314	753	35	105	169	181	1925	1585	110	748	Supply of el. en. gas, steam and air conditioning
	78	1379	252	99	283	183	679	302	550	293	759	Water supply; wastewater management, waste management, etc.
	691	2483	1592	303	2268	852	2957	692	7250	312	824	Construction
	4506	9204	7643	530	4759	5490	11023	2330	28117	1736	2153	Wholesale and retail; repair of motor vehicles
	4879	3126	2704	190	4099	1178	4522	1118	7598	489	575	Traffic and storage
	539	1576	4719	169	2204	669	2499	386	5147	388	693	Accommodation and food service
	84	2081	6875	55	3801	632	4324	155	12351	121	105	Information and communication
	61	1083	3735	28	2431	197	1831	187	10518	169	205	Financial and insurance activities
	8	146	457	17	262	51	269	40	1048	43	7	Real estate business
	310	2719	7731	181	4729	1526	3776	366	14779	305	355	Professional, scientific and technical activities
	291	2269	6201	36	5919	1283	6271	2661	20949	126	1726	Administrative and support service activities
	331	1345	3514	125	43170	697	8175	569	11283	573	299	Public administration and defense; compulsory social security
	445	2807	5269	297	4407	1192	4357	967	4058	718	978	Education
	331	2442	2136	217	19448	1300	2337	949	4768	1294	773	Health and social care
	109	895	3074	31	1184	369	1906	194	2055	119	169	Art, entertainment and recreation
	123	1053	2397	88	1069	476	1189	255	2373	206	188	Other service activities

	Kovačica	Vršac	Bela Crkva	Alibunar	South Banat district	Sombor	Odžaci	Kula	Apatin	West Bačka district	Vojvodina district	
	3485	13914	2611	2817	61023	19573	6630	7562	5592	39357	523838	Total
	247	420	256	242	2805	967	598	591	559	2716	18424	Agriculture, forestry and fishing
		2	7	74	405				1	1	2462	Mining
	921	4538	408	638	15692	4431	2983	1964	1613	10991	143123	Manufacturing
	2	104	19	38	646	214	21	21	19	275	5003	Supply of el. en. gas, steam and air conditioning
	76	267	63	54	1350	317	88	240	60	706	9129	Water supply; wastewater management, waste management, etc.
	196	435	81	52	2538	673	150	207	177	1207	21248	Construction
	617	1871	458	460	10248	3020	763	1448	799	6030	87639	Wholesale and retail; repair of motor vehicles
	126	659	94	124	3026	1227	243	601	338	2410	30567	Traffic and storage
	80	669	76	73	2139	740	156	238	227	1362	17333	Accommodation and food service
	40	194	49	67	935	222	29	59	22	332	13556	Information and communication
	40	230	28	45	922	351	45	92	75	563	9182	Financial and insurance activities
		37		2	104	65	0	2	11	79	1339	Real estate business
	99	472	70	88	2325	686	150	202	169	1208	21957	Professional, scientific and technical activities
	111	566	62	27	1852	927	94	221	223	1465	18565	Administrative and support service activities
	212	712	238	197	3378	1397	397	380	321	2495	28293	Public administration and defense; compulsory social security
	366	932	298	304	4466	1617	404	751	416	3188	35968	Education
	227	1449	318	244	6203	2094	322	294	396	3107	41805	Health and social care
	66	176	42	40	870	296	68	85	63	512	8119	Art, entertainment and recreation
	57	181	43	47	1117	329	117	164	101	711	10125	Other service activities

							South Bačka district	Plandište	Pančevo	Opovo	Kovin	
Žabalj	Bečej	Beočin	Bački Petrovac	Bačka Palanka	Bač		205692	1939	29349	1068	5841	Total
237	938	35	414	677	230		5294	226	756	101	557	Agriculture, forestry and fishing
20	13	46			2		1101	2	207		114	Mining
748	2063	970	2044	5341	494		40268	626	6982	207	1372	Manufacturing
34	62	15	5	40			2232	18	414		50	Supply of el. en. gas, steam and air conditioning
100	127	71	54	504	86		3703	44	708	24	113	Water supply; wastewater management, waste management, etc.
201	190	183	102	334	170		9966	50	1353	46	325	Construction
864	1170	492	459	1881	438		35435	197	5631	190	824	Wholesale and retail; repair of motor vehicles
272	399	213	83	1047	88		11890	39	1733	38	214	Traffic and storage
103	162	61	146	380	100		7496	38	988	40	173	Accommodation and food service
19	96	10	41	69	14		9362	16	501	19	49	Information and communication
26	118	16	19	190	26		5119	15	496	12	57	Financial and insurance activities
1	11		10	19	1		722	0	56		9	Real estate business
114	417	68	143	297	40		11862	85	1302	35	174	Professional, scientific and technical activities
251	154	102	95	444	65		9609	11	868	20	187	Administrative and support service activities
209	441	169	141	639	167		11240	136	1513	78	291	Public administration and defense; compulsory social security
403	628	174	219	762	204		14881	127	1919	112	408	Education
286	500	141	153	610	109		16916	264	2833	112	755	Health and social care
59	81	27	18	172	16		4078	19	453	8	64	Art; entertainment and recreation
61	145	42	48	176	39		4517	25	634	26	103	Other service activities

Kanjiža	Ada	South Banat district	City of Novi Sad						
			Vrbas	Titel	Temerin	Sremski Karlovci	Srbobran	Petrovaradin	
5561	4373	34089	9532	1955	6554	1555	2673	7779	141021 148801
158	16	1058	385	208	436	12	446	126	1150 1276
24		129				4	36	2	978 980
1676	2341	12488	2710	427	2258	210	453	1045	21506 22551
32	5	261	91	2	38	1	55	109	1779 1888
48	29	469	193	35	181	36	57	563	1695 2259
217	83	1058	188	112	375	36	122	366	7586 7952
940	658	4911	1326	366	1379	244	458	1238	25119 26357
474	139	1671	806	83	278	68	128	344	8080 8424
168	91	924	259	67	199	133	74	259	5552 5811
32	53	354	74	64	52	20	16	158	8727 8886
78	40	393	125	13	75	7	22	13	4469 4483
7	2	55	12		4	2	2	3	658 662
134	114	849	249	42	212	41	93	296	9851 10147
140	45	792	516	7	24	127	39	121	7664 7785
406	151	1935	547	158	256	218	179	172	7945 8117
475	261	2554	661	236	308	284	196	378	10429 10807
411	234	3116	1081	72	301	21	179	2273	11189 13463
23	31	376	191	17	56	19	25	186	3210 3397
117	80	696	117	46	123	71	93	124	3432 3556

Zrenjanin	Žitište	Central Bačka district	Subotica	Mali Iđoš	Bačka Topola	North Bačka district	Čoka	Senta	Novi Kneževac	Kikinda	
35185	2497	44502	44193	2018	7576	53787	1632	6828	1982	13713	Total
736	543	1969	632	215	1065	1913	159	77	82	565	Agriculture, forestry and fishing
687	12	710	5			5	0		2	102	Mining
12688	534	15180	14481	870	2475	17826	495	2729	578	4669	Manufacturing
480	19	548	360		33	393	7	69	9	139	Supply of el. en. gas, steam and air conditioning
651	25	788	570	27	99	695	27	100	43	221	Water supply; wastewater management, waste management, etc.
1096	43	1279	1829	51	180	2059	15	169	42	532	Construction
4907	440	6411	7337	296	1063	8695	215	925	294	1880	Wholesale and retail; repair of motor vehicles
1918	111	2262	3136	48	245	3430	35	352	66	603	Traffic and storage
859	64	1086	1802	34	187	2023	43	149	43	428	Accommodation and food service
464	23	517	1056	13	106	1176	17	85	18	149	Information and communication
477	11	538	621	7	116	744	8	89	4	175	Financial and insurance activities
103		106	127		21	149		13		34	Real estate business
1195	65	1504	1503	31	243	1777	54	173	44	329	Professional, scientific and technical activities
1095	41	1212	1088	7	83	1178	47	115	18	428	Administrative and support service activities
1781	149	2483	1997	125	371	2494	141	349	175	714	Public administration and defense; compulsory social security
2265	239	3181	2596	164	579	3339	196	532	182	908	Education
2772	124	3502	3416	69	472	3957	140	629	336	1367	Health and social care
456	22	547	653	13	110	776	3	100	7	212	Art, entertainment and recreation
555	30	677	984	48	126	1158	30	173	39	257	Other service activities

	Šid	Stara Pazova	Sremska Mitrovica	Ruma	Pećinci	Irig	Indija	Srem district	Sečanj	Novi Bečej	Nova Crnja	
	7085	22546	19200	14459	7313	1948	12836	85387	1742	3813	1264	Total
	644	297	645	427	201	158	297	2669	406	194	89	Agriculture, forestry and fishing
		13	16	8	4	70		110	8	1	2	Mining
	1760	7474	5402	6762	3380	289	5609	30676	287	1372	299	Manufacturing
	18	94	233	217	11		74	647	19	11	19	Supply of el. en. gas, steam and air conditioning
	195	281	342	215	51	52	283	1418	36	65	12	Water supply; wastewater management, waste management, etc.
	104	939	958	579	119	61	380	3141	25	98	16	Construction
	1043	5548	2887	1999	1934	208	2289	15907	219	635	209	Wholesale and retail; repair of motor vehicles
	588	2311	1080	809	400	89	601	5879	64	84	86	Traffic and storage
	181	593	447	338	144	242	358	2303	54	82	27	Accommodation and food service
	129	165	167	111	107	83	116	879	10	17	3	Information and communication
	118	145	334	136	13	13	143	903	15	26	8	Financial and insurance activities
	4	63	35	4	4		15	125		2	1	Real estate business
	282	548	749	333	118	73	328	2432	35	186	22	Professional, scientific and technical activities
	89	1325	486	149	84	62	263	2458	1	36	38	Administrative and support service activities
	858	583	1610	550	162	129	375	4267	181	221	152	Public administration and defense; compulsory social security
	502	796	1339	713	288	108	612	4359	213	293	170	Education
	369	811	1820	748	207	257	792	5004	131	399	76	Health and social care
	90	238	318	161	32	18	102	959	17	38	15	Art, entertainment and recreation
	111	320	332	200	52	35	198	1249	21	53	17	Other service activities

	Sjenica	Prijepolje	Priboj	Požega	Nova Varoš	Kosjerić	Bajina Bašta	Arilje	Zlatibor district	Šumadija and west Serbia district	SERBIA – SOUTH	
	4123	7379	4165	7461	2859	2523	5626	5836	68428	463541	813439	Total
	77	177	58	60	61	25	105	60	840	5682	10015	Agriculture, forestry and fishing
	463	4	1	15	13	2	5	4	531	5623	12014	Mining
	1027	1804	1054	2870	817	1033	1394	3379	21603	136771	235153	Manufacturing
	39	61	90	58	110	34	286	21	977	6172	13549	Supply of el. en. gas, steam and air conditioning
	70	90	98	148	66	41	173	119	1468	8854	16632	Water supply; wastewater management, waste management, etc.
	267	415	183	381	75	114	677	196	4252	23597	38259	Construction
	370	1220	556	1071	356	336	777	645	9033	76395	129835	Wholesale and retail; repair of motor vehicles
	177	655	271	669	253	260	272	161	4305	26429	43812	Traffic and storage
	120	312	187	287	188	98	286	156	3767	20254	33299	Accommodation and food service
	26	61	54	80	27	20	33	34	745	6167	11742	Information and communication
	22	87	44	90	31	11	73	47	915	6609	10968	Financial and insurance activities
	7	14	21	11	1	1	10	1	82	991	1479	Real estate business
	104	186	132	203	59	83	158	108	1876	14286	24983	Professional, scientific and technical activities
	23	204	51	30	17	25	58	158	1161	9313	18474	Administrative and support service activities
	348	687	350	389	288	118	283	173	4399	27511	51245	Public administration and defense; compulsory social security
	645	529	388	448	220	182	415	266	4695	35419	64014	Education
	217	598	454	398	190	83	287	212	5215	36557	68989	Health and social care
	55	120	91	80	54	21	236	37	1320	7374	12650	Art; entertainment and recreation
	66	154	81	171	35	37	100	57	1243	9535	16327	Other service activities

Ub	Osečina	Mionica	Ljig	Lajkovac	Valjevo	Kolubara district	Čajetina	Sevojno	Užice	City of Užice	
4613	1785	2399	1968	3345	27185	41296	5276	3237	19940	23178	Total
577	8	63	22	29	466	1166	93	1	123	124	Agriculture, forestry and fishing
112		5	159	1326	113	1715	4		19	19	Mining
615	743	841	393	486	10013	13092	1156	2150	4918	7068	Manufacturing
38	17	14	4	3	347	423	33	2	244	246	Supply of el. gas, steam and air conditioning
164	44	86	48	86	512	940	171	30	461	491	Water supply; wastewater management, waste management, etc.
345	95	106	95	171	1587	2401	284	401	1259	1660	Construction
909	230	258	359	319	4021	6096	676	264	2762	3026	Wholesale and retail; repair of motor vehicles
387	51	136	111	101	1181	1967	124	86	1377	1463	Traffic and storage
166	54	126	115	64	823	1348	1285	36	813	849	Accommodation and food service
51	15	37	28	7	308	445	26	10	374	383	Information and communication
32	10	22	16	19	388	488	34	5	470	475	Financial and insurance activities
3			1	3	45	52	8		8	8	Real estate business
152	44	97	55	50	843	1242	99	54	691	745	Professional, scientific and technical activities
25	30	21	12	12	435	534	126	77	390	467	Administrative and support service activities
254	131	210	161	169	1633	2559	269	21	1471	1493	Public administration and defense; compulsory social security
399	187	187	235	283	1795	3084	226	45	1331	1376	Education
248	71	126	82	110	1748	2385	375	30	2371	2401	Health and social care
47	25	29	21	64	290	477	202	10	413	423	Art, entertainment and recreation
87	29	36	50	41	636	880	84	14	444	458	Other service activities

	Gornji Milanovac	Moravica district	Šabac	Mali Zvornik	Ljubovija	Loznica	Krupanj	Koceljeva	Vladimirci	Bogatić	Mačva district	
11572	58157		29648	1982	2677	16569	2388	2206	2314	3154	60940	Total
103	672		197	96	26	152	55	5	48	29	609	Agriculture, forestry and fishing
509	560		27	42	288	33	19	35	36	24	505	Mining
4678	20599		8586	179	720	4617	623	920	853	490	16988	Manufacturing
63	651		264	145	24	238	16	18	6	31	742	Supply of el. en. gas, steam and air conditioning
174	770		408	57	40	253	34	22	67	38	920	Water supply; wastewater management, waste management, etc.
450	2105		1457	108	194	1198	250	100	116	119	3541	Construction
1548	10067		6225	322	365	2867	357	321	367	826	11650	Wholesale and retail; repair of motor vehicles
433	4133		1948	196	159	730	149	111	99	126	3520	Traffic and storage
414	2421		887	73	65	730	96	55	48	137	2092	Accommodation and food service
94	797		372	14	31	183	36	14	15	43	708	Information and communication
297	966		485	8	20	196	12	13	9	34	778	Financial and insurance activities
9	105		84		4	21	2	3	0	5	119	Real estate business
237	1493		1019	45	85	546	71	57	63	159	2046	Professional, scientific and technical activities
293	1518		823	19	5	261	25	18	15	36	1203	Administrative and support service activities
410	2338		1512	345	235	920	171	164	151	345	3844	Public administration and defense; compulsory social security
781	3466		2194	174	192	1140	238	195	230	332	4695	Education
718	3716		2131	110	149	1879	133	113	142	261	4918	Health and social care
162	813		372	21	25	221	30	11	17	47	744	Art, entertainment and recreation
199	966		656	26	50	383	73	30	30	68	1317	Other service activities

Rasina district	Ćuprija	Svilajnac	Jagodina	Rekovac	Paraćin	Despotovac	Pomoravlje district	Čačak	Lučani	Ivanjica	
50023	6922	4903	17060	1151	10551	4382	44970	34396	4358	7831	Total
787	42	57	162	45	127	126	558	183	34	353	Agriculture, forestry and fishing
39	5	7	40	21	17	1256	1345	45	6		Mining
16102	1462	1317	4781	183	2664	396	10803	10489	2288	3144	Manufacturing
698	62	153	209	32	65	41	562	357	187	44	Supply of el. gas, steam and air conditioning
1102	231	71	441	7	164	86	1001	454	58	83	Water supply; wastewater management, waste management, etc.
2358	577	121	538	13	554	134	1938	1115	82	458	Construction
8250	1129	1221	3012	162	2421	549	8494	7160	396	963	Wholesale and retail; repair of motor vehicles
2106	218	143	768	78	870	274	2352	2963	217	521	Traffic and storage
2009	244	314	615	50	350	281	1856	1549	151	307	Accommodation and food service
583	44	51	235	10	102	39	480	585	12	107	Information and communication
718	87	72	347	15	162	35	717	591	25	53	Financial and insurance activities
220	5	9	53		35	6	108	92		4	Real estate business
1659	209	148	538	25	385	117	1423	973	99	185	Professional, scientific and technical activities
700	36	94	430	23	253	41	877	1131	31	62	Administrative and support service activities
2904	477	266	1237	114	468	257	2820	1451	172	305	Public administration and defense; compulsory social security
3955	575	385	1288	209	762	297	3517	1903	294	488	Education
3829	1291	310	1577	121	804	309	4412	2387	185	425	Health and social care
908	104	50	430	13	158	79	833	484	71	95	Art, entertainment and recreation
1095	123	114	359	29	189	59	873	482	51	234	Other service activities

Raška			Novi Pazar		Kraljevo	Vrnjačka Banja	Raška district	Ćičevac	Trstenik	Kruševac	Varvarin	Brus	Aleksandrovac	
5633	20556	28850	7173	66196				2181	7806	29498	2118	3086	5332	Total
97	58	342	157	733				38	192	377	27	69	85	Agriculture, forestry and fishing
460	59	163		737				2	2	14	17	2	2	Mining
826	4160	6335	1508	13728				945	3314	7928	513	1130	2272	Manufacturing
110	152	553	59	918				3	101	530	12	25	27	Supply of el. en. gas, steam and air conditioning
141	378	470	231	1272				37	183	646	47	77	111	Water supply; wastewater management, waste management, etc.
197	2075	1548	408	4438				70	134	1708	77	61	309	Construction
776	3862	4877	1061	11092				257	1251	5201	406	379	755	Wholesale and retail; repair of motor vehicles
358	1441	2070	269	4258				131	282	1367	74	81	171	Traffic and storage
817	856	1305	1019	4132				124	293	999	114	268	211	Accommodation and food service
77	250	504	53	911				20	85	358	39	38	42	Information and communication
38	217	447	60	782				15	61	554	23	28	37	Financial and insurance activities
15	6	71	43	135				11	1	205	2		1	Real estate business
93	537	1092	200	2013				35	208	1090	80	94	151	Professional, scientific and technical activities
149	324	816	110	1418				24	57	551	27	24	16	Administrative and support service activities
455	1356	2386	418	4973				171	274	1801	165	232	261	Public administration and defense; compulsory social security
459	2211	2035	465	5890				141	686	2115	245	274	494	Education
205	1725	2712	800	5858				97	365	2856	133	197	180	Health and social care
219	258	455	106	1076				30	90	617	48	40	82	Art, entertainment and recreation
140	630	669	204	1831				31	227	579	68	65	125	Other service activities

Bor distict	Region of Southern and Eastern Serbia	Lapovo	Topola	Rača	Kragujevac	Knić	Batočina	Arandjelovac	Šumadija district	Tutin	
27880	349897	1789	3238	2498	50918	1755	2281	11054	73533	3983	Total
374	4333	11	84	28	141	14	4	34	317	78	Agriculture, forestry and fishing
3108	6391	1	35		9		45	99	190	55	Mining
5925	98382	637	809	1498	15144	565	1028	4175	23856	898	Manufacturing
1141	7377	13	51	24	976	25	27	83	1199	43	Supply of el. en. gas, steam and air conditioning
618	7778	100	98	38	731	42	101	270	1381	52	Water supply; wastewater management, waste management, etc.
880	14661	14	94	74	1923	30	48	381	2563	210	Construction
3805	53439	256	664	274	7729	288	367	2137	11714	516	Wholesale and retail; repair of motor vehicles
1346	17383	376	174	29	2547	115	77	470	3788	121	Traffic and storage
1098	13045	31	163	32	1913	80	34	378	2630	135	Accommodation and food service
305	5575	5	31	11	1318	11	21	103	1498	27	Information and communication
279	4359	10	47	12	1018	2	15	139	1244	20	Financial and insurance activities
48	488		2	0	134		4	30	170		Real estate business
833	10697	42	93	49	1931	56	28	333	2533	91	Professional, scientific and technical activities
658	9161	20	44	17	1612	7	42	159	1902	18	Administrative and support service activities
1930	23735	71	223	124	2645	162	127	323	3676	357	Public administration and defense; compulsory social security
2156	28594	78	339	165	4351	178	160	846	6116	720	Education
2526	32432	94	142	96	4924	113	97	756	6223	416	Health and social care
421	5276	10	53	5	948	14	25	149	1203	38	Art, entertainment and recreation
427	6792	21	89	21	925	53	30	190	1329	189	Other service activities

Malo Crniće		Kučevo	Žagubica	Žabari	Golubac	Veliko Gradište	Braničevo district	Negotin	Majdanpek	Kladovo	Bor	
1101	2226	1570	1127	1145	2616	36125		6732	4099	4592	12457	Total
30	141	109	20	48	109	835		116	128	63	67	Agriculture, forestry and fishing
	88	240		59	10	470		13	1115	5	1976	Mining
122	276	183	368	189	303	5107		1442	729	1302	2452	Manufacturing
23	24	20		1	22	3437		280	59	443	359	Supply of el. en. gas, steam and air conditioning
176	27	30	21	36	29	606		127	100	71	320	Water supply; wastewater management, waste management, etc.
257	90	75	18	48	155	1675		154	126	73	527	Construction
	442	198	192	183	526	6133		1264	399	809	1333	Wholesale and retail; repair of motor vehicles
51	131	48	56	32	171	1894		321	143	129	752	Traffic and storage
54	86	78	45	109	251	1581		335	138	305	319	Accommodation and food service
11	16	14	3	4	24	367		57	45	77	126	Information and communication
2	13	8	6	6	46	439		80	24	33	142	Financial and insurance activities
	1				1	28		15		2	31	Real estate business
31	69	42	31	40	87	936		183	42	82	526	Professional, scientific and technical activities
4	30	8	7	39	39	1873		179	64	98	317	Administrative and support service activities
89	183	157	83	113	292	3042		636	273	252	770	Public administration and defense; compulsory social security
134	271	174	156	114	284	2739		574	328	290	965	Education
85	206	104	89	71	143	3569		721	293	460	1053	Health and social care
13	69	23	7	29	50	599		84	56	30	250	Art; entertainment and recreation
19	60	58	24	26	74	793		149	37	68	172	Other service activities

	Bojnik	Jablanica district	Sokobanja	Knjaževac	Zaječar	Boljevac	Zaječar district	Kostolac	Požarevac	City of Požarevac	Petrovac na Mlavi	
	1340	42303	3084	6289	11067	1796	22237	6097	15337	21434	4906	Total
	42	445	58	180	243	132	613	8	297	305	74	Agriculture, forestry and fishing
		449	511		464	249	1224	0	45	46	28	Mining
	264	14127	210	2495	1710	387	4802	900	2148	3048	619	Manufacturing
	10	381	21	64	178	26	289	3080	235	3315	56	Supply of el. en. gas, steam and air conditioning
	50	900	80	135	236	23	474	56	284	340	101	Water supply; wastewater management, waste management, etc.
	133	2617	72	110	306	43	532	17	872	889	223	Construction
	190	6572	472	772	2011	226	3481	257	2860	3117	1217	Wholesale and retail; repair of motor vehicles
	20	1502	126	188	592	74	980	490	716	1206	199	Traffic and storage
	14	1342	300	307	394	54	1054	51	577	628	329	Accommodation and food service
	7	358	23	61	158	23	265	6	225	231	62	Information and communication
	4	391	29	45	196	23	292	10	308	318	40	Financial and insurance activities
	1	145	7	7	15		29	1	23	23	3	Real estate business
	31	1212	81	220	367	27	696	34	427	461	176	Professional, scientific and technical activities
	3	555	51	126	349	29	556	755	914	1670	77	Administrative and support service activities
	146	2598	174	338	1147	161	1820	28	1796	1824	298	Public administration and defense; compulsory social security
	232	3735	240	465	990	177	1872	228	1008	1236	370	Education
	135	3653	541	578	1322	114	2555	122	1940	2062	809	Health and social care
	36	587	30	86	156	8	280	26	292	318	91	Art, entertainment and recreation
	21	732	57	112	234	21	424	28	369	396	134	Other service activities

	Ražanj				Merošina				Doljevac				Gadžin Han				Aleksinac				Nišava district	Crna Trava				Medveđa	Leskovac	Lebane	Vlasotince	
	855	1521	5029	1369	8663	99052	747	1590	29956	2575	6095	Total																		
	70	10	7	2	111	410	29	30	249	49	46	Agriculture, forestry and fishing																		
		0	32	17	327	438		398	18		34	Mining																		
	169	498	3523	537	3026	27026	32	42	10709	634	2446	Manufacturing																		
	8	11	5	9	30	985	8	10	306	24	23	Supply of el. en. gas, steam and air conditioning																		
	20	42	3	4	274	2058	7	48	627	36	131	Water supply; wastewater management, waste management, etc.																		
	38	87	78	118	205	3642	434	28	1142	98	780	Construction																		
	120	282	497	190	1191	16559	18	135	5002	415	810	Wholesale and retail; repair of motor vehicles																		
	42	63	133	28	271	6001	7	30	1211	115	119	Traffic and storage																		
	20	36	53	16	289	3827	1	35	1007	92	194	Accommodation and food service																		
	11	4	10	17	62	3122	9	3	311	9	19	Information and communication																		
	6	4	9	1	82	1581		3	339	12	33	Financial and insurance activities																		
	1				3	128		3	139	1	2	Real estate business																		
	35	38	50	49	214	3783	13	20	896	100	152	Professional, scientific and technical activities																		
	5	28	81	3	71	3083	0	2	466	36	48	Administrative and support service activities																		
	94	110	130	104	457	5008	68	326	1513	272	272	Public administration and defense; compulsory social security																		
	106	145	206	106	838	8071	67	222	2402	359	452	Education																		
	89	130	157	96	985	9887	44	229	2671	224	351	Health and social care																		
	6	17	17	13	86	1511	2	17	403	40	87	Art; entertainment and recreation																		
	15	14	39	60	139	1932	6	9	544	57	95	Other service activities																		

			Dimitrovgrad		Bela Palanka		Babušnica		Pirot district	Medijana					Palilula	Crveni krst	Pantelejš	Niška Banja	City of Niš	Svrljig	
	2553	1775	2207		21499					38043	16460	13364	9014	2303	79184	2431	Total				
7		14	20		205					99	45	37	21	1	202	7	Agriculture, forestry and fishing				
5		41	20		184					2	39	7	7	8	62		Mining				
514		371	1142		7819					4109	5659	4249	3683	451	18152	1119	Manufacturing				
19		15	19		231					805	40	41	10	8	903	19	Supply of el. en. gas, steam and air conditioning				
182		70	61		604					831	685	141	8	10	1676	39	Water supply; wastewater management, waste management, etc.				
114		173	55		983					1237	768	384	551	54	2994	122	Construction				
250		232	225		2352					6433	2578	2520	1689	688	13908	370	Wholesale and retail; repair of motor vehicles				
238		69	58		876					1139	1453	2323	353	96	5365	99	Traffic and storage				
228		92	38		949					2050	415	399	346	122	3332	81	Accommodation and food service				
19		20	5		261					2149	329	105	369	23	2976	43	Information and communication				
15		13	4		276					1352	19	23	66	3	1464	15	Financial and insurance activities				
					9					100	13	3	8		124		Real estate business				
58		55	44		479					2115	590	268	317	52	3342	55	Professional, scientific and technical activities				
45		45	22		805					1378	777	506	206	17	2885	11	Administrative and support service activities				
437		141	149		1655					2754	835	114	188	87	3977	134	Public administration and defense; compulsory social security				
123		159	174		1313					3156	1300	1359	494	186	6495	176	Education				
174		120	122		1607					6215	512	674	468	452	8321	108	Health and social care				
52		66	13		314					1024	138	111	74	16	1364	8	Art, entertainment and recreation				
71		78	34		576					1094	265	98	155	29	1641	24	Other service activities				

Vranje	City of Vranje	Vladičin Han			Bosilegrad	Pčinja district	Smederevska Palanka	Smederevo	Velika Plana	Podunavlje district	Pirot	
19984	21491	3835	5397	1425		41663	8293	24527	7446	40266	14964	Total
172	185	71	35	75		458	163	222	167	552	163	Agriculture, forestry and fishing
8	312		22	117		460		11	45	56	117	Mining
7525	8085	1451	1228	245		13019	2265	9757	1904	13926	5792	Manufacturing
179	190	21	24	17		437	52	201	64	317	178	Supply of el. en. gas, steam and air conditioning
368	424	123	199	30		1022	175	571	200	945	291	Water supply; wastewater management, waste management, etc.
516	564	276	227	74		1865	481	887	418	1786	640	Construction
2932	3037	394	739	81		5356	1385	3608	1837	6830	1645	Wholesale and retail; repair of motor vehicles
952	987	283	268	34		2148	327	1308	378	2013	510	Traffic and storage
638	658	193	261	49		1557	196	600	362	1158	590	Accommodation and food service
202	206	14	36	18		335	78	270	67	416	217	Information and communication
288	289	18	31	3		402	94	386	75	556	245	Financial and insurance activities
4	4		2			6	32	52	4	88	9	Real estate business
600	618	89	151	17		1109	324	637	214	1174	321	Professional, scientific and technical activities
327	353	59	52	33		628	141	567	137	845	692	Administrative and support service activities
1430	1529	235	658	187		3776	445	1336	397	2179	927	Public administration and defense; compulsory social security
1314	1431	332	775	185		3951	682	1800	626	3108	857	Education
1935	2016	179	456	148		3695	1139	1565	315	3018	1191	Health and social care
252	255	43	123	87		736	137	255	87	479	183	Art, entertainment and recreation
343	347	52	109	26		701	177	493	150	820	394	Other service activities

	Prokuplje	Kuršumlija	Žitорађа	Blace	Toplica district	Trgovište	Surdulica	Preševo	Vranjska Banja	
	11423	3789	1418	2242	18873	1072	4355	4087	1507	Total
	107	168	100	66	440	26	55	11	13	Agriculture, forestry and fishing
	1		0		1	0		9	304	Mining
	4575	1070	201	785	6632	226	1123	660	561	Manufacturing
	95	31	10	23	159	16	154	14	11	Supply of el. en. gas, steam and air conditioning
	353	94	29	73	550	93	105	48	55	Water supply; wastewater management, waste management, etc.
	364	90	138	89	682	66	456	202	48	Construction
	1441	417	260	231	2350	61	515	529	105	Wholesale and retail; repair of motor vehicles
	285	242	30	67	623	62	170	343	35	Traffic and storage
	290	109	22	57	479	18	164	213	21	Accommodation and food service
	96	33	5	11	145	1	29	29	5	Information and communication
	96	25	5	16	142	3	23	35	1	Financial and insurance activities
	6				6	1				Real estate business
	265	91	45	73	474	31	108	95	17	Professional, scientific and technical activities
	101	23	20	14	159	12	60	60	26	Administrative and support service activities
	986	461	119	161	1727	181	358	628	99	Public administration and defense; compulsory social security
	795	312	243	297	1648	143	362	722	117	Education
	1184	441	138	157	1921	94	507	295	81	Health and social care
	238	40	28	42	349	22	107	98	3	Art, entertainment and recreation
	144	141	23	78	385	14	58	95	4	Other service activities

Source: Statistical Office of the Republic of Serbia, Survey on Registered Employment 2018.

3. Status in employment

3.1. The number of employment cases by educational attainment

Level of qualification	The number of cases of employment registered by NEA											
	2014		2015		2016		2017		2018		01.01 - 30.06.2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
I KS	30.736	14.521	35.147	15.787	37.353	17.099	41.581	18.857	44.009	20.395	20.559	9.222
II KS	6.126	3.089	6.321	3.049	6.948	3.274	7.078	3.312	7.159	3.490	3.310	1.613
III KS	59.342	23.153	61.982	23.126	64.609	24.644	64.583	24.347	61.748	25.169	28.024	10.958
IV KS	76.983	43.970	83.517	46.367	91.064	50.310	91.445	50.297	88.966	50.241	40.474	22.626
V KS	2.296	474	2.215	430	2.329	479	2.123	462	1.940	462	822	208
VI - 1 KS	9.721	6.160	9.014	5.670	9.337	5.917	9.008	5.708	8.011	5.273	3.602	2.271
VI - 2 KS	8.840	5.672	9.694	6.202	10.926	7.029	11.055	7.191	10.592	7.100	5.039	3.252
VII - 1 KS	37.788	25.172	38.420	25.725	41.999	28.215	41.001	27.564	38.732	26.641	17.642	11.997
VII - 2 KS	379	240	376	239	429	268	464	311	413	271	192	137
VIII KS	58	36	105	64	110	63	150	98	142	71	74	44
Others	11	4	5	1	7	6	9	5	8	4	22	11
total	232.280	122.491	246.796	126.660	265.111	137.304	268.497	138.152	261.720	139.117	119.760	62.339

Source: National Employment Service, 2019.

3.2. The number of employment cases by age

Age	The number of cases of employment registered by NEA											
	2014		2015		2016		2017		2018		01.01.-30.06.2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
15 - 19	6.623	2.647	7.712	2.992	8.631	3.415	9.086	3.418	9.639	3.779	3.839	1.363
20 - 24	34.975	16.453	37.248	16.966	39.541	18.115	37.071	16.639	33.931	15.916	15.098	6.998
25 - 29	49.686	28.270	50.174	27.953	51.780	29.104	49.073	27.234	44.492	24.993	19.336	10.538
30 - 34	37.574	21.671	38.730	21.957	40.215	22.918	40.279	23.023	37.628	22.125	17.233	9.818
35 - 39	29.112	16.831	30.832	17.522	32.948	19.114	33.189	19.432	32.959	19.662	15.136	8.794
40 - 44	23.293	13.592	25.115	14.304	27.567	15.835	29.062	16.716	29.758	17.659	13.800	8.027
45 - 49	20.165	11.126	21.495	11.406	23.134	12.624	24.090	13.226	24.747	14.104	11.528	6.551
50 - 54	16.891	8.141	18.236	8.700	20.925	10.001	22.311	10.861	22.041	11.329	10.418	5.294
55 - 59	10.718	3.591	12.775	4.563	14.772	5.553	16.844	6.462	17.591	7.477	8.804	3.762
60 - 65	3.243	169	4.479	297	5.598	625	7.492	1.141	8.934	2.073	4.568	1.194
Total	232.280	122.491	246.796	126.660	265.111	137.304	268.497	138.152	261.720	139.117	119.760	62.339

Source: National Employment Service, 2019.

4. Employees by sector of activity

4.1. Employees (15+ years old) by sector of activity, gender and region in 2018. (in thousands)

15 years old and above	Total	Gender		Region			
		Male	Femal	Belgrade	Vojvodina	Šumadija & Western Serbia	Souther and Eastern Serbia
Total (in thousands)	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0
Agriculture, forestry and fishing	451,0	281,7	169,3	23,1	124,1	218,8	85,0
Mining	32,6	26,8	5,9	11,5	2,5	10,4	8,2
Processing industries	518,1	319,2	198,8	69,9	184,2	150,6	113,3
Supply of electricity, gas and steam	42,3	34,3	8,0	14,1	5,0	9,6	13,7
Water supply and wastewater management	43,8	32,4	11,3	8,2	15,5	11,4	8,7
Construction	125,5	117,7	7,8	30,9	36,9	33,9	23,9
Wholesale and retail trade and repair of motor vehicles	373,7	168,5	205,2	123,3	100,6	88,1	61,7
Traffic and storage	150,1	119,9	30,2	58,4	34,6	31,8	25,4
Accommodation and food services	102,0	51,2	50,8	35,0	28,0	22,7	16,3
Information and communication	72,6	44,3	28,3	42,9	14,7	8,2	6,7
Financial activities and Insurance	43,0	16,9	26,1	19,1	11,3	7,7	4,9
Real Estate Business	3,5	1,3	2,2	2,2	/	/	/
Professional, scientific, innovative and technical activities	101,8	50,7	51,1	56,5	22,6	13,7	8,9
Administrative and auxiliary service activities	54,1	30,3	23,8	24,6	13,6	8,9	7,1
Public administration, defense and compulsory social security	153,0	88,9	64,1	48,5	35,3	35,3	33,9
Education	178,0	48,8	129,3	51,2	43,0	48,0	35,8
Health and social protection	156,5	39,4	117,1	49,3	42,5	34,8	29,9
Arts, Entertainment and recreation	48,7	29,0	19,7	17,4	12,9	10,6	7,8
Other service activities	51,7	25,9	25,8	19,3	12,5	11,2	8,7
Household business as employer	129,1	62,2	66,8	12,7	13,3	43,0	60,1
Activity of extraterritorial organizations and bodies	2,0	/	1,2	2,0	-	-	/

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2018.

4.2. Employees (age 15 to 65) by sector of activity, gender and region in 2018 (in thousands)

Age (15–64)	Total	Sex		Region			
		Male	Female	Belgrade	Vojvodina	Šumadija & Western Serbia	Southern and Eastern Serbia
Total (in thousands)	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3
Agriculture, forestry and fishing	372,8	230,6	142,2	19,1	112,0	172,5	69,2
Mining	32,6	26,7	5,9	11,5	2,5	10,4	8,2
Processing industries	514,8	316,5	198,3	69,2	183,5	149,9	112,2
Supply of electricity, gas and steam	42,3	34,3	8,0	14,1	5,0	9,6	13,7
Water supply and wastewater management	43,6	32,3	11,3	8,2	15,3	11,4	8,7
Construction	122,3	114,7	7,5	29,8	35,7	33,1	23,6
Wholesale and retail trade and repair of motor vehicles	370,8	166,5	204,3	121,5	100,0	87,8	61,5
Traffic and storage	148,5	118,4	30,1	57,7	34,4	31,2	25,2
Accommodation and food services	100,6	50,3	50,3	34,3	27,9	22,4	15,9
Information and communication	71,7	43,7	28,1	42,4	14,6	8,2	6,5
Financial activities and Insurance	42,2	16,3	25,9	18,8	11,0	7,7	4,7
Real Estate Business	3,5	1,3	2,2	2,2	/	/	/
Professional, scientific, innovative and technical activities	98,4	48,1	50,3	54,3	21,9	13,4	8,8
Administrative and auxiliary service activities	53,3	29,9	23,4	24,4	13,1	8,8	6,9
Public administration, defense and compulsory social security	151,8	88,1	63,7	47,9	34,9	35,1	33,8
Education	176,9	48,3	128,6	50,6	42,7	48,0	35,6
Health and social protection	154,4	38,6	115,8	48,5	42,0	34,4	29,6
Arts, Entertainment and recreation	48,3	28,6	19,7	17,2	12,9	10,5	7,7
Other service activities	49,7	24,8	24,9	18,9	12,2	10,5	8,2
Household business as employer	84,8	36,8	48,1	9,4	10,4	26,9	38,2
Activity of extraterritorial organizations and bodies	2,0	/	1,2	2,0	-	-	/

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2018.

4.3. Employees by sectors in legal entities (companies, enterprises, cooperatives, institutions and other organizations), self-employed persons, entrepreneurs and their employees, by activities II quarter 2019.

Republic of Serbia (second quarter 2019)	Number of employees	Chages related to previous quarter		Chagnges related to the same quarter of the previous year	
	2nd quarter 2019.	Divergencies	Indexes	Divergencies	Indexes
Total	2 088 881	15 344	100,7	41 861	102,0
Agriculture, forestry and fishing	30 904	292	101,0	- 1 874	94,3
Agricultural production, hunting and service activities	22 979	259	101,1	- 1 807	92,7
Forestry and logging	6 541	31	100,5	- 140	97,9
Fisheries and aquaculture	1 385	3	100,2	74	105,6
Mining	25 880	290	101,1	1 586	106,5
Coal exploitation	13 707	- 60	99,6	- 501	96,5
Exploitation of crude oil and natural gas	2 843	- 14	99,5	1 543	218,7
Mining of metal ores	5 096	252	105,2	1 595	145,6
Other mining	2 855	60	102,1	21	100,7
Service activities incidental to mining	1 378	51	103,8	- 1 073	56,2
Processing industries	455 799	3 325	100,7	11 717	102,6
Food products production	89 150	476	100,5	3 402	104,0
Beverage Production	7 359	58	100,8	97	101,3
Tobacco industry	1 235	- 44	96,6	- 131	90,4
Textile production	12 092	108	100,9	- 600	95,3
Clothes production	37 004	- 40	99,9	- 274	99,3
Production of leather and leather goods	14 366	- 22	99,8	- 55	99,6
Processing of wood and wood products, except furniture	16 863	206	101,2	- 369	97,9
Manufacture of paper and paper products	8 420	17	100,2	385	104,8
Printing and reproduction of audio and video recordings	9 617	- 14	99,9	- 153	98,4
Manufacture of coke and refined petroleum products	1 234	- 38	97,0	- 1 961	38,6
Manufacture of chemicals and chemical products	13 180	129	101,0	- 263	98,0
Manufacture of basic pharmaceutical products and preparations	4 520	- 30	99,3	106	102,4
Plastics and rubber production	28 527	158	100,6	1 170	104,3
Manufacture of non-metallic mineral products	14 156	419	103,1	274	102,0
Manufacture of basic metals	14 614	32	100,2	- 131	99,1
Fabricated metal products, except machinery	52 915	513	101,0	2 487	104,9
Manufacture of computer, electronic and optical products	7 240	1	100,0	- 30	99,6
Manufacture of electrical equipment	24 729	2 788	112,7	3 066	114,2
Manufacture of machinery and equipment	15 859	101	100,6	61	100,4
Manufacture of motor vehicles and trailers	40 962	- 1 828	95,7	2 154	105,6
Manufacture of other transport equipment	2 095	42	102,0	- 331	86,4
Furniture production	19 007	252	101,3	1 774	110,3
Other manufacturing activities	7 812	- 13	99,8	- 298	96,3
Repair and installation of machinery and equipment	12 844	56	100,4	1 339	111,6
Supply of electricity, gas and steam	25 910	- 212	99,2	- 1 282	95,3
Water supply and wastewater management	35 889	331	100,9	2 179	106,5
Water collection, purification and distribution	16 900	94	100,6	1 614	110,6
Wastewater disposal	540	- 4	99,3	- 234	69,8
Waste collection, treatment and disposal	18 406	246	101,4	799	104,5
Remediation and Waste Management	43	- 5	89,6	- 1	97,7
Construction	103 842	3 472	103,5	8 553	109,0
Construction of buildings	29 272	1 098	103,9	3 341	112,9
Construction of other buildings	24 126	672	102,9	505	102,1

Republic of Serbia (second quarter 2019)	Number of employees	Chages related to previous quarter		Chagnnges related to the same quarter of the previous year	
	2nd quarter 2019.	Divergencies	Indexes	Divergencies	Indexes
Specialized construction works	50 444	1 702	103,5	4 707	110,3
Wholesale and retail trade and repair of motor vehicles	342 648	2 017	100,6	4 287	101,3
Wholesale and retail trade and repair of motor vehicles	28 527	111	100,4	526	101,9
Wholesale trade, except of motor vehicles	112 357	1 421	101,3	3 189	102,9
Retail trade, except of motor vehicles	201 764	485	100,2	572	100,3

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019.

4.4. The number of cases of employment by sector of activity

Year/ Sector of activity	The number of cases of employment registered by NEA											
	2014		2015		2016		2017		2018		01.01.-30.06.2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Agriculture, forestry and fishing	5.786	2.026	5.543	2.174	5.705	2.075	4.773	1.700	3.911	1.447	1.710	600
Mining	1.063	156	730	60	818	107	758	97	593	88	384	48
Processing industries	47.769	24.075	53.228	26.341	61.203	30.113	65.740	31.773	67.439	34.056	30.071	14.964
Supply of electricity, gas and steam	2.422	756	876	222	710	202	889	237	611	163	155	62
Water supply and wastewater management	2.187	507	4.525	1.090	4.724	1.201	4.878	1.181	4.177	1.119	2.335	654
Construction	11.246	1.411	12.687	1.604	15.380	1.995	17.167	2.025	18.036	1.825	9.748	940
Wholesale and retail trade and repair of motor vehicles and bikes	38.583	23.768	38.447	23.189	47.752	29.522	44.662	28.305	43.597	28.152	18.901	12.060
Transportation and storage	6.640	1.862	6.591	1.523	8.745	1.816	10.044	2.098	9.477	1.958	4.350	867
Accommodation and food service	7.832	4.933	7.641	4.715	12.910	7.784	13.805	8.577	15.356	9.671	7.041	4.428
Information and communication	2.531	1.239	2.620	1.205	3.378	1.667	3.687	1.776	3.242	1.589	1.762	867

Year/ Sector of activity	The number of cases of employment registrated by NEA											
	2014		2015		2016		2017		2018		01.01.-30.06.2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Financial activities and insurance	3.279	2.165	3.229	2.110	3.267	2.201	3.096	2.205	2.548	1.853	1.290	936
Real estate business	419	227	445	241	597	351	702	418	871	528	392	236
Professional, scientific, innovation and technical activities	9.988	4.984	11.216	5.345	14.379	7.515	13.659	7.455	13.469	7.505	5.796	3.305
Administrative and support service activities	22.281	8.753	23.370	9.590	26.914	11.087	32.618	13.920	29.096	13.757	11.909	5.618
Public administration and defense; compulsory social. insurance	5.600	3.315	6.319	3.613	6.225	3.515	7.523	3.982	6.476	3.691	3.785	2.140
Education	17.883	14.269	17.482	13.942	19.479	15.530	17.133	13.606	16.975	13.567	7.083	5.662
Health and social care	10.819	8.302	11.534	8.704	12.669	9.550	14.365	11.029	13.264	10.379	6.443	4.923
Art; entertainment and recreation	2.119	1.124	2.778	1.309	3.375	1.684	3.877	1.949	3.745	1.922	1.762	948
Other service activities	5.562	2.828	7.773	3.565	7.492	4.461	8.060	5.384	7.902	5.473	4.042	2.751
Households employers who supply goods and services for their own purposes	16	11	5	3	33	30	2	2	1	1	0	0
Activities of extraterritorial organizations	2	1	1	0	6	4	3	3	5	4	1	1
Others	28.253	15.779	29.756	16.115	9.350	4.894	1.056	430	929	369	800	329
Total	232.280	122.491	246.796	126.660	265.111	137.304	268.497	138.152	261.720	139.117	119.760	62.339

Source: National Employment Service, 2019.

5. Employees by the type of occupation

5.1. Employees 15 years old and above, by occupation, gender and region, 2018.

Age 15 and above	Total	Sex		Region			
		Male	Female	Belgrade	Vojvodina	Šumadija and Western Serbia	Eastern and Southern Serbia
TOTAL (in thousands)	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0
Executives (directors), officials and legislators	81,6	56,0	25,6	28,8	21,4	20,0	11,3
Experts and artists	393,9	168,9	225,0	169,9	93,3	72,7	58,0
Engineers, Professional Associates and technicians	330,2	156,3	173,9	121,8	84,6	68,7	55,1
Administrative Officers	221,2	90,5	130,7	90,3	53,6	44,5	32,8
Service and trade professions	426,7	188,2	238,5	117,8	118,7	109,1	81,1
Farmers, foresters, fishermen and related to	492,4	290,0	202,4	29,6	85,5	244,8	132,5
Craftsmen and related	328,2	271,6	56,5	59,2	103,6	96,5	68,9
Machine operators and installations, installers and drivers	287,5	225,6	61,9	47,1	102,4	74,6	63,4
Simple occupations	256,4	128,7	127,7	53,4	87,7	64,5	50,8
Military occupations	14,7	14,2	/	2,2	3,2	3,4	5,9

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019

5.2. Employees working age, by occupation, gender and region, 2018

Working age (15–64)	Total	Sex		Region			
		Male	Female	Belgrade	Vojvodina	Sumadija and Western Serbia	Eastern and Southern Serbia
TOTAL (in thousands)	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3
Executives (directors), officials and legislators	79,1	53,7	25,4	27,8	20,7	19,6	11,1
Experts and artists	386,3	164,0	222,3	165,9	91,4	72,1	57,0
Engineers, Professional Associates and technicians	327,5	154,3	173,2	120,3	84,2	68,3	54,7
Administrative Officers	220,1	90,1	130,0	89,9	53,1	44,4	32,7
Service and trade professions	422,5	186,1	236,4	116,0	117,9	108,5	80,1
Farmers, foresters, fishermen and related to	372,8	214,7	158,2	22,6	71,7	183,3	95,2
Craftsmen and related	324,1	268,0	56,1	57,9	102,7	95,2	68,3
Machine operators and installations, installers and drivers	285,6	223,8	61,8	46,4	102,2	73,8	63,1
Simple occupations	252,6	126,7	125,9	52,8	86,1	63,6	50,1
Military occupations	14,7	14,2	/	2,2	3,2	3,4	5,9

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019.

5.3. The number and structure of employees with part-time work and hours of operation

The number of employees (working for an employer) in 2018 was 2,032,700, of which 1,564,800 were employed on a permanent and 467,900 on a part-time basis, occasionally or seasonally. Compared to 2017, the number of part-time workers increased by 67,300, the number of part-time workers increased by 34,700, while the number of seasonal and part-time employees decreased by 9,500. The number of full-time employees in 2018 increased by 2.8% compared to 2017 and reached 2,153,300. In the same period, the number of part-time employees decreased by 29,800 (or 8.5%) to 319,600. The majority of part-time employees were recorded in the age group of 55 and more.

5.3.1. Employees by customary hours of work, gender, region and type of settlement, 2018.

(in thousands)	Total	Region				Type of settlement	
		Belgrade region	Vojvodina region	Šumadija and Western Serbia region	Southern and Eastern Serbia region	Urban	Others
Total	2832,9	720,0	753,9	799,0	560,0	1636,5	1196,4
1 – 14 hours	14,2	2,9	5,4	3,0	2,9	7,6	6,6
15 – 35	118,0	26,3	27,5	37,4	26,8	51,7	66,3
36 – 48	1953,3	569,2	548,1	477,9	358,1	1313,0	640,3
49 – 59 hours	113,0	25,6	26,5	45,1	15,8	50,9	62,1
More than 60 working hours	118,0	25,8	25,7	47,1	19,4	52,6	65,4
Usual hours vary week from week	516,5	70,2	120,8	188,5	137,0	160,7	355,8
Men	1590,1	377,9	433,4	455,5	323,2	878,9	711,2
1 – 14 hours	5,8	/	2,3	1,3	1,3	3,3	2,5
15 – 35	53,9	11,1	13,3	16,0	13,6	22,9	31,0
36 – 48	1032,7	280,7	294,3	258,7	199,0	664,0	368,6
49 – 59 hours	77,5	19,2	19,0	28,4	10,9	37,0	40,5
More than 60 working hours	91,2	19,9	19,4	37,2	14,8	40,7	50,5
Usual hours vary week from week	328,9	46,1	85,1	113,9	83,8	110,9	218,0
Women	1242,9	342,1	320,5	343,6	236,7	757,6	485,2
1 – 14 hours	8,3	1,9	3,0	1,7	1,6	4,2	4,1
15 – 35	64,1	15,2	14,2	21,4	13,3	28,8	35,2
36 – 48	920,7	288,5	253,8	219,2	159,1	649,0	271,7
49 – 59 hours	35,5	6,4	7,5	16,7	4,9	13,9	21,6
More than 60 working hours	26,8	5,9	6,3	10,0	4,6	11,9	14,9
Usual hours vary week from week	187,6	24,1	35,7	74,6	53,2	49,8	137,7

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019.

5.3.2. Employees 15 and over by Property and working Hours, Sex and Region, 2018.

Population age 15 and over (in thousands)	Total	Region				Type of settlement	
		Belgrade region	Vojvodina region	Šumadija and Western Serbia region	Southern and Eastern Serbia region	Urban	Others
Total	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0
Private – registered	1773,6	1028,8	744,8	428,9	519,7	513,9	311,1
Full working hours	1636,2	960,9	675,2	405,6	481,5	461,9	287,3
Shorter than full working hours	137,4	67,9	69,5	23,3	38,2	52,0	23,9
Private – not registered	287,4	177,3	110,2	39,7	57,4	95,6	94,8
Full working hours	134,7	91,9	42,8	19,4	23,3	49,6	42,4
Shorter than full working hours	152,8	85,3	67,4	20,4	34,1	46,0	52,3
Public	732,7	356,6	376,2	236,2	165,0	181,2	150,3
Full working hours	713,3	349,5	363,8	230,7	159,2	177,1	146,2
Shorter than full working hours	19,5	7,0	12,4	5,5	5,8	4,1	4,1
Other	39,1	27,4	11,7	15,2	11,8	8,3	3,8
Full working hours	29,2	19,9	9,3	11,8	8,0	6,4	3,0
Shorter than full working hours	9,9	7,5	2,5	3,4	3,8	2,0	/

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019.

5.3.3 Working-age employees by property and working hours, gender and region, 2018.

Population age 15–64	Total	Region				Type of settlement	
		Belgrade region	Vojvodina region	Šumadija and Western Serbia region	Southern and Eastern Serbia region	Urban	Others
Total	2685,4	1495,7	1189,7	701,9	733,1	732,2	518,3
Private – registered	1695,3	976,5	718,8	418,7	507,7	472,5	296,3
Full working hours	1587,4	925,9	661,5	399,4	474,8	434,5	278,7
Shorter than full working hours	107,9	50,6	57,3	19,4	32,9	38,0	17,6
Private – not registered	223,3	138,0	85,3	34,1	49,9	70,7	68,6
Full working hours	111,7	74,9	36,8	17,5	21,5	39,3	33,3
Shorter than full working hours	111,6	63,1	48,5	16,5	28,4	31,4	35,3
Public	729,5	354,9	374,6	234,4	164,2	180,9	149,9
Full working hours	710,6	348,1	362,5	229,1	158,7	176,9	145,9
Shorter than full working hours	18,9	6,8	12,1	5,3	5,5	4,0	4,1
Other	37,3	26,3	11,0	14,6	11,2	8,1	3,5
Full working hours	28,1	19,2	8,9	11,4	7,8	6,2	2,7
Shorter than full working hours	9,2	7,1	2,1	3,2	3,4	1,9	/

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2019.

5.3.4. Employees who want to work more hours by gender, 2018.

Republika Srbija				
(In thousands)	They want to work more hours in any of the following ways	They want to work more hours exclusively on the current job	They want to replace the current job with a job they would work more hours at	They want additional work that they would do with their current job
Men	149,7	127,6	55,4	37,8
Women	84,5	72,6	37,2	29,8
Total	234,2	200,2	92,6	67,6

Source: Statistical Office of the Republic of Serbia, Employment and Earnings Statistics 2018.

6 Employment in the informal economy

(Employment in the informal economy)

Formal employment growth recorded in 2nd quarter in 2019 was most pronounced in Agriculture, Forestry and Fisheries, followed by Manufacturing, Construction and Wholesale and retail trade and repair of motor vehicles, with employment growth in the aforementioned sectors, except in agriculture, and all in line with the growth of registered employment, in accordance to the records of the Central Registry of Compulsory Social Security (CROSO). It should be noted that CROSO, unlike the Labor Force Survey, recorded a more moderate increase in employment over the same period. The difference is due, among other things², to the definition of formal employment in the Survey, which implies the existence of a written or oral employment contract between the employer and the employee, regardless of whether the employee is entitled to social security. According to the "rigorous" definition of formal employment from the Survey, which in addition to the employment contract also includes compulsory social security of the employee, and thus better matches the definition of registered employment from CROSO, the number of formally employed persons in the first quarter of 2019 was 2,181,300, which is for 147,200 less (primarily in agriculture) than the number of formal employees according to the standard definition of formal employment in the Survey. According to the results for the second quarter of 2019, the rate of informally employed persons is 19.3%, for 1.6% lower than in the second quarter of 2018.

² The survey on registered employment, unlike the Survey, does not include farmers over the age of 65, nor retired persons who work under a contract of employment (because they have the status of pensioner in CROSO and the status of a formally employed person in the Survey), as well as those who work online, from home, do the work for a foreign company. In addition, the Registered Employment Survey covers those registered as CROSO employees on the penultimate day of the month, when the cross-section of the CROSO status is taken, while the Survey, which is conducted on a continuous basis, includes persons who were short-term employees at any time during the week /month/quarter.

6.1. Formally and informally employed 15+ years old persons, II quarter 2019.

	II quarter 2019	Changes from the previous quarter		Changes from the same quarter of the previous year	
	(in thousands)	(in thousands)	%	(in thousands)	%
Employees	2916,5	106,0	3,8	19,7	0,7
Formally employed	2352,3	23,7	1,0	62,7	2,7
– formally employed outside the agriculture sector ¹	2145,3	44,8	2,1	80,5	3,9
– formally employed inside the agriculture sector	207,0	-21,0	-9,2	-17,9	-7,9
Unformally employed	564,2	82,2	17,1	-43,0	-7,1
– unformally employed outside the agriculture sector	188,4	6,5	3,6	-55,8	-22,9
– unformally employed inside the agriculture sector	375,8	75,7	25,2	12,9	3,5
	%	p. p.			
Rate of informal employment – total	19,3		2,2		-1,6
Rate of informal employment outside of agriculture sector	8,1		0,1		-2,5

Source: Statistical Office of the Republic, Employment Statistics and Earnings, II quarter 2019.

6.2. Formally and informally employed persons, per age, professional status, gender and region, 2018.

Age 15 and more	TOTAL	Gender		Region			
		Male	Female	Belgrade	Vojvodina	Sumadija and Western Serbia	Southern and Eastern Serbia
Employees (in thousands)	2832,9	1590,1	1242,9	720,0	753,9	799,0	560,0
Formally employed (in thous.)	2279,1	1290,7	988,4	637,4	623,4	594,8	423,5
15–24	110,7	69,2	41,6	23,9	38,5	27,0	21,3
25–54	1751,7	949,8	801,8	511,4	478,6	437,0	324,6
55–64	360,0	226,1	133,9	92,9	95,8	104,8	66,5
65 and over	56,7	45,6	11,1	9,2	10,4	26,1	11,0
Self-employed with the workers	100,6	70,8	29,8	32,7	27,2	26,2	14,6
Self-employed without the workers	288,5	218,7	69,8	44,5	72,5	118,0	53,5
Employed workers	1890,0	1001,2	888,8	560,3	523,7	450,6	355,4
Assisting household members	-	-	-	-	-	-	-
Informal employees aged 15 and over. (in thousands)	553,8	299,3	254,5	82,6	130,6	204,2	136,5
15–24	42,6	28,3	14,4	7,9	11,6	14,9	8,2
25–54	301,3	167,3	134,0	50,7	84,0	101,4	65,2
55–64	119,1	55,0	64,1	15,1	24,5	47,1	32,4
65 and over	90,8	48,8	42,0	8,9	10,4	40,8	30,7
Self-employed with the workers	2,9	2,3	/	/	1,4	/	/
Self-employed without the workers	250,7	165,5	85,1	36,7	47,9	80,1	85,9
Employed workers	142,7	85,1	57,6	35,7	54,8	29,5	22,6
Assisting household members	157,6	46,3	111,3	9,6	26,4	93,8	27,8
Rate of informal employment (%)	19,5	18,8	20,5	11,5	17,3	25,6	24,4

Source: Statistical Office of the Republic, Employment Statistics and Earnings 2018.

Note: The informal employment rate represents the percentage of persons employed without formal employment contracts in the total number of employees. This category includes employees of an unregistered company, employees of a registered company, but without a formal employment contract and without social and pension insurance, as well as unpaid assisting household members

In 2018, compared to 2017, formal employment increased by 2.9% and amounted 2,279,100. Formal employment growth was more pronounced in Manufacturing, Construction, Housing and Nutrition Services and Services. In 2018, informal employment measured 553,800 people, went down for 25,400 (or 4.4%) compared to 2017. Informal employment dropped to 19.5%. The most informal employees were in the 25-54 age category.

The number of employees (working with the employer) in 2018 was 2,032,700, with 1,564,800 full-time employees and 467,900 part-time, occasional or seasonal jobs. The number of full-time employees in 2018 increased by 67,300 and the temporary staff increased by 34,700, while the number of seasonal and occasional employees decreased by 9,500 compared to 2017.

7. Unemployment

7.1. Unemployed by age groups, gender, region and type of settlement, 2018.

(in thousands)	Total	Region				Type of settlement	
		Belgrade region	Vojvodina Region	Region of Šumadija and Western Serbia	Region of Eastern and Southern Serbia	Urban	Others
Total	412,2	87,7	88,1	128,1	108,2	265,4	146,7
15–24 god.	64,8	10,0	15,0	21,0	18,8	36,6	28,2
25–34	129,8	30,0	27,8	40,1	31,9	82,7	47,1
35–44	99,6	23,3	19,0	30,0	27,3	67,7	31,9
45–54	71,1	14,0	15,9	21,7	19,5	45,4	25,7
55–64	45,7	9,7	10,2	15,2	10,7	32,3	13,4
65+	1,2	/	/	/	/	/	/
Males	215,4	42,7	46,9	66,2	59,6	136,6	78,8
15–24 god.	38,5	6,2	8,8	12,1	11,3	23,1	15,3
25–34	64,8	12,3	13,5	21,3	17,6	39,8	25,0
35–44	50,0	11,5	9,8	14,5	14,3	33,0	17,1
45–54	33,0	6,1	7,5	9,5	9,8	20,8	12,2
55–64	28,2	6,0	7,1	8,6	6,5	19,3	8,9
65+	/	/	/	/	/	/	/
Females		45,0	41,2	61,9	48,6	128,8	68,0
15–24 god.	26,3	3,8	6,2	8,9	7,5	13,5	12,8
25–34	65,0	17,7	14,2	18,8	14,3	42,9	22,1
35–44	49,5	11,8	9,2	15,5	13,0	34,7	14,8
45–54	38,1	7,9	8,3	12,2	9,6	24,5	13,6
55–64	17,5	3,7	3,1	6,5	4,1	13,0	4,5
65+	/	/	/	-	/	/	/

Source: Statistical Office of the Republic of Serbia, Employment Statistics and Earnings 2018.

7.2. Unemployed by education, gender, region and type of settlement, 2018.

(in thousands)	Total	Region				Type of settlement	
		Belgrade Region	Vojvodina Region	Region of Sumadija and Western Serbia	Region of Eastern and Southern Serbia	Urban	Others
Total	412,2	87,7	88,1	128,1	108,2	265,4	146,7
No school	1,1	/	/	/	/	/	/
Lower education	64,5	7,4	17,5	20,9	18,6	32,8	31,7
Secondary education	256,3	50,5	51,4	84,8	69,6	163,1	93,2
High education	90,2	29,7	18,7	22,3	19,6	69,0	21,2
Males	215,4	42,7	46,9	66,2	59,6	136,6	78,8
No school	/	-	/	-	/	/	/
Lower education	37,1	4,2	9,9	12,1	10,9	17,8	19,3
Secondary education	143,7	27,3	29,7	46,6	40,1	91,7	52,0
High education	34,3	11,2	7,2	7,5	8,3	26,9	7,4
Females	196,8	45,0	41,2	61,9	48,6	128,8	68,0
No school	/	/	/	/	/	/	/
Lower education	27,4	3,2	7,6	8,9	7,7	15,0	12,4
Secondary education	112,6	23,2	21,7	38,3	29,5	71,4	41,3
High education	55,9	18,4	11,4	14,7	11,3	42,1	13,8

Source: Statistical Office of the Republic of Serbia, Employment Statistics and Earnings 2018.

7.3. The unemployed by duration of work, gender, region and type of settlement, 2018

(in thousands)	Total	Region				Type of settlement	
		Belgrade region	Vojvodina Region	Region of Šumadija and Western Serbia	Region of Eastern and Southern Serbia	Urban	Others
Total	412,2	87,7	88,1	128,1	108,2	265,4	146,7
Job seekers less than 12 months	167,2	36,8	44,7	45,0	40,7	106,3	60,9
Job seekers 12-24 months	73,5	17,3	15,3	21,0	19,9	47,9	25,6
Job seekers 2-6 years	98,9	22,4	17,1	31,5	27,9	65,6	33,3
Job seekers for more 7 years	72,5	11,2	10,9	30,6	19,8	45,7	26,8
Males	215,4	42,7	46,9	66,2	59,6	136,6	78,8
Job seekers less than 12 months	85,3	16,9	23,7	23,3	21,3	51,7	33,6
Job seekers 12-24 months	36,1	7,4	7,9	9,5	11,3	23,3	12,8
Job seekers 2-6 years	54,8	12,7	9,6	16,5	16,0	38,0	16,8
Job seekers for more 7 years	39,2	5,8	5,6	16,9	10,9	23,6	15,6
Females	196,8	45,0	41,2	61,9	48,6	128,8	68,0
Job seekers less than 12 months	81,9	19,9	20,9	21,7	19,3	54,6	27,4
Job seekers 12-24 months	37,4	9,9	7,4	11,6	8,5	24,6	12,8
Job seekers 2-6 years	44,1	9,7	7,5	14,9	12,0	27,6	16,5
Job seekers for more 7 years	33,3	5,5	5,3	13,7	8,8	22,1	11,3

Source: Statistical Office of the Republic of Serbia, Employment Statistics and Earnings 2018.

Note: The unemployed are persons who have not performed any paid work in the reference week, were actively looking for work during the four weeks preceding the reference week and were able to start work within two weeks after the survey week. Also unemployed are those persons who have not been looking for a job in the last four weeks, since they have already found a job that they need to start working after the end of the observed week, and at the latest within three months.

8. Youth unemployment

Employment growth in 2018 is most pronounced in the category of the year and increased by 1.8% (36,700) compared to 2017. The employment rate of the population 25 to 54 was 73.1%. Employment growth resulted in the reduction of unemployment (18,300) and inactivity (for 39,400) in this population. The inactivity rate was low, at 16.2%, which is logical given that the most active population is within this age group.

Number of young people 15-24 years in the labor market in comparison with 2017 was reduced in 2018 by 1.8% (12,900). The number of active youth in 2018 decreased by 3.8% compared to 2017 (8,500). The youth activity rate was 30%. The number of employed youth aged 15-24 was 153,400 and the employment rate was 21.1%.

The youth unemployment rate was 29.7%, down 2.2% from the previous 2017. Viewed by region, the highest youth unemployment rate was recorded in the Region of South and Eastern Serbia (38.9%), while the lowest was recorded in the Region of Vojvodina (23.0%). The youth inactivity rate was

70.0%, up 0.6% since 2017. This high level of inactivity of young people is mostly caused by their active education (during 2018 67.4% of young people aged 15-24 are educated/trained).

The NEET rate (representing the proportion of young people that are not working and not educated in the total youth population) was 16.5%, with a slightly higher rate for women (1%) than for men. Compared to previous year NEET rate is lower by 0.7%. The rate of early school leaving, that is, the percentage of young people aged 18-24 where the completed elementary school is the highest level of the education, who did not continue their education, was 6.8%, which is 0.6 % more than 2017.

According to the results for the first quarter of 2019, there were no significant changes in the number of employees compared to the first quarter of 2018, among the population aged 15-24. At the same time, the total population of young people and the number of unemployed persons decreased. Due to these changes, the unemployment rate is 3.9%, which is lower than in the same period of 2017 and amounts to 30.7%. The NEET rate was 14.7% and compared to the same period in 2018, it decreased by 2.5%.

Source: Statistical Office of the Republic, Employment Statistics and Earnings 2018

9. Long-term unemployment

Continuous unemployment means the period of the last continuous active job search without significant interruptions (significant interruptions are interruptions that lasted longer than four weeks). The long-term unemployment rate represents the percentage of unemployed for a year or longer amongst the total active population.

According to the Labor Force Survey, in the first quarter of 2019, the long-term unemployment rate has decreased by 1.7% compared to the first quarter in 2018, and it is 7.1%. Also, the long-term unemployment rate decreased by 0.1% in first-quarter of 2019 compared to the last quarter of 2018.

9.1. Unemployed persons 15 years old and above by gender and region, the first quarter of 2019.

	1st quarter 2019	Changes related to previous quarter		Changes related to the same quarter of previous year	
	(in thousands)	(in thousands)	%	(in thousands)	%
Unemployed – total	387,1	-29,4	-7,1	-81,6	-17,4
Gender					
Males	212,6	0,6	0,3	-35,8	-14,4
Females	174,5	-30,0	-14,7	-45,8	-20,8
Region					
Belgrade Region	79,9	-0,5	-0,7	-25,2	-24,0
Vojvodina region	86,1	-8,8	-9,3	-19,5	-18,5
Region of Western Serbia and Šumadija	123,7	-12,3	-9,1	-16,1	-11,5
Region of Southern and Eastern Serbia	97,5	-7,7	-7,3	-20,7	-17,5
	%		p. p.		
Long-term unemployment rate	7,1		-0,1		-1,7

Source: Statistical Office of the Republic of Serbia, Employment Statistics and Earnings 2018.

10. Inactive population

The inactive population consists of all persons aged 15 and over, who are not classified as employed or unemployed. Inactive persons include students, retired persons, houseworkers, as well as other persons who during the observed week did not perform any paid work, did not actively seek work or were unable to start working during the activities conducted as fieldwork of the research. The inactivity rate represents the percentage of the inactive population in the total population aged 15 and over. The active population (labor force) consists of all employed and unemployed persons. The activity rate represents the percentage of the active population in the total population aged 15 and over. According to the Labor Force Survey for the 1st quarter of 2019, the inactive population over the age of 15 makes up 2,737,300, which is for 2.6% less than in the 1st quarter of 2018.

10.1. Inactive 15+ years old population, by gender and region, I quarter 2019.

	1st quarter 2019	Changes related to previous quarter		Changes related to the same quarter of previous year	
	(in thousands)	(in thousands)	%	(in thousands)	(in thousands)
Unemployed – total	2737,3	28,4	1,0	-72,9	-2,6
Gender					
Males	1104,5	26,6	2,5	-7,5	-0,7
Females	1632,8	1,8	0,1	-65,4	-3,9
Region					
Belgrade Region	634,7	1,2	0,2	-9,4	-1,5
Vojvodina region	750,1	6,2	0,8	-27,3	-3,5
Region of Western Serbia and Šumadija	745,8	17,7	2,4	-15,4	-2,0
Region of Southern and Eastern Serbia	606,7	3,2	0,5	-20,8	-3,3

Source: Statistical Office of the Republic of Serbia, Labor Force Survey, 1st quarter of 2019.

10.2. Basic labor force contingents, by region and age groups, I quarter 2019.

	Total	Belgrade region	Vojvodina region	Region of Šumadija and Western Serbia	Region of Southern and Eastern Serbia
(in thousands)					
Population age 15 and over	5934,9	1437,0	1589,3	1645,0	1263,7
Active	3197,7	802,3	839,2	899,1	657,0
Employed	2810,5	722,5	753,1	775,5	559,5
Unemployed	387,1	79,9	86,1	123,7	97,5
Inactive	2737,3	634,7	750,1	745,8	606,7
%					
Activity rate	53,9	55,8	52,8	54,7	52,0
Employment rate	47,4	50,3	47,4	47,1	44,3
Unemployment rate	12,1	10,0	10,3	13,8	14,8
Inactivity rate	46,1	44,2	47,2	45,3	48,0
(in thousands)					
Youth (15–24)	720,0	159,1	195,2	207,6	158,1
Active	197,2	35,7	61,1	56,8	43,6
Employed	136,7	24,0	46,5	38,0	28,2
Unemployed	60,5	11,7	14,6	18,8	15,4
Inactive	522,8	123,4	134,1	150,7	114,5
%					
Activity rate	27,4	22,4	31,3	27,4	27,6
Employment rate	19,0	15,1	23,8	18,3	17,8
Unemployment rate	30,7	32,8	23,9	33,1	35,3
Inactivity rate	72,6	77,6	68,7	72,6	72,4
(in thousands)					
Working age population (15–64)	4525,4	1110,6	1230,0	1245,9	938,9
Active	3039,8	781,4	813,0	833,3	612,0
Employed	2654,2	702,3	727,7	709,7	514,6
Unemployed	385,6	79,1	85,4	123,7	97,5
Inactive	1485,6	329,2	417,0	412,5	326,9
Activity rate	67,2	70,4	66,1	66,9	65,2
Employment rate	58,7	63,2	59,2	57,0	54,8
Unemployment rate	12,7	10,1	10,5	14,8	15,9
Inactivity rate	32,8	29,6	33,9	33,1	34,8

Source: Statistical Office of the Republic of Serbia / Labor Force Survey, 1st quarter of 2019

11 Educational structure and illiteracy

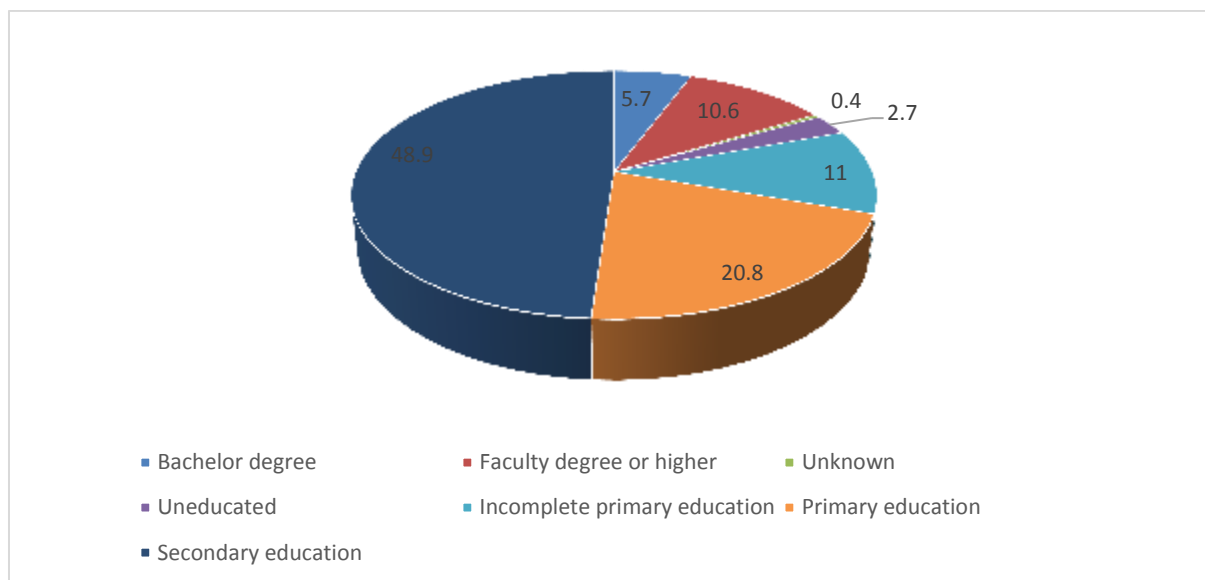


Figure 2. Educational structure in Serbia, Source; Statistical Office of the Republic of Serbia, Census 2011.

11.1. The structure of education, Census 2011.

Region Aeria	City– municipality	Total	No school	Uncomplete elementary education	Elementary education	Secondary education	Higher education	High education	Unknown
Republic Serbia		6161584	164884	677499	1279116	3015092	348335	652234	24424
Serbia – North		3081049	55226	234997	558603	1591221	198167	431486	11349
Belgrade region		1426710	16751	58259	198842	749079	117137	279642	7000
Belgrade		1426710	16751	58259	198842	749079	117137	279642	7000
City of Belgrade									
Barajevo		23144	468	2112	4885	13153	1135	1214	177
Voždovac		137315	1197	4052	17250	72102	12081	29961	672
Vračar		50010	149	521	3545	19428	4899	21278	190
Grocka		70731	1426	4298	14939	41226	4006	4357	479
Zvezdara		130225	833	3297	14595	67865	12257	30575	803
Zemun		143173	2101	5852	20624	81208	11603	21358	427
Lazarevac		49812	1102	5044	10237	27845	2144	3268	172
Mladenovac		45556	974	4712	10062	24051	2482	2997	278
Novi Beograd		186667	1312	3815	17185	87546	19600	56213	996
Obrenovac		61626	1621	5813	13637	33788	2692	3851	224
Palilula		148292	1904	5232	22672	81321	11379	24947	837
Rakovica		93014	654	2629	11696	52597	8725	16372	341
Savski venac		34518	135	523	2890	14743	3360	12733	134

Region Aeria	City- municipality	Total	No school	Uncomplete elementary education	Elementary education	Secondary education	Higher education	High education	Unknown
	Sopot	17590	388	2397	4470	8886	727	624	98
	Stari grad	43383	110	499	3162	17729	4190	17591	102
	Surčin	36800	670	2458	7970	21196	1853	2024	629
	Čukarica	154854	1707	5005	19023	84395	14004	30279	441
	Vojvodina region	1654339	38475	176738	359761	842142	81030	151844	4349
	West Bačka district	163205	4041	18270	37124	85912	6492	11063	303
	<i>Sombor</i>	<i>74780</i>	<i>1688</i>	<i>7855</i>	<i>17728</i>	<i>38052</i>	<i>3266</i>	<i>6088</i>	<i>103</i>
	Apatin	25086	513	3012	6009	13048	1004	1386	114
	Kula	36957	873	4261	7306	20796	1384	2297	40
	Odžaci	26382	967	3142	6081	14016	838	1292	46
	South Banat district	251202	6735	29931	59433	123955	12689	17697	762
	<i>Pančevo</i>	<i>105892</i>	<i>2527</i>	<i>8479</i>	<i>20853</i>	<i>57975</i>	<i>6250</i>	<i>9589</i>	<i>219</i>
	Alibunar	17341	687	2732	5139	7284	648	748	103
	Bela Crkva	14776	382	2254	4026	6663	686	701	64
	Vršac	44337	987	5343	9561	21687	2624	3937	198
	Kovačica	21359	366	3753	6990	8671	744	795	40
	Kovin	28739	1115	4535	7660	12963	1092	1278	96
	Opovo	8837	255	1449	2465	4085	287	276	20
	Plandište	9921	416	1386	2739	4627	358	373	22
	South Bačka district	522362	11040	40646	97016	271523	28319	72703	1115
	<i>City of Novi Sad</i>	<i>290199</i>	<i>4362</i>	<i>13026</i>	<i>39577</i>	<i>154227</i>	<i>19807</i>	<i>58508</i>	<i>692</i>
	Novi Sad	261213	3901	11593	35084	137649	17848	54494	644
	Petrovaradin	28986	461	1433	4493	16578	1959	4014	48
	Bač	12421	482	2243	3704	5189	332	459	12
	Bačka Palanka	47572	1340	5188	11528	23931	2003	3504	78
	Bački Petrovac	11477	177	1202	3762	5136	410	768	22
	Beočin	13249	397	1690	3407	6619	468	641	27
	Bečej	31572	698	4699	8795	14193	1161	1974	52
	Vrbas	35590	773	2948	7123	20352	1463	2834	97
	Žabalj	21669	1120	3042	5314	10909	507	740	37
	Srbobran	13786	414	1970	4007	6424	383	559	29
	Sremski Karlovci	7543	132	513	1347	4298	423	818	12
	Temerin	23923	523	1996	4910	13974	1007	1475	38
	Titel	13361	622	2129	3542	6271	355	423	19
	North Banat district	127272	2590	18799	32429	59420	5882	7801	351
	<i>Kikinda</i>	<i>51257</i>	<i>1356</i>	<i>6218</i>	<i>11782</i>	<i>25563</i>	<i>2506</i>	<i>3710</i>	<i>122</i>
	Ada	14656	178	2343	3974	6716	679	725	41
	Kanjiža	21761	249	3937	6487	9219	877	940	52
	Novi Kneževac	9667	285	1594	2577	4308	332	523	48
	Senta	20041	332	2791	4863	9317	1168	1491	79
	Čoka	9890	190	1916	2746	4297	320	412	9
	North Bačka district	160331	2497	18452	38738	79151	8059	13065	369
	<i>Subotica</i>	<i>121250</i>	<i>1609</i>	<i>13085</i>	<i>28294</i>	<i>60727</i>	<i>6402</i>	<i>10839</i>	<i>294</i>
	Bačka Topola	28923	671	4123	7649	13406	1294	1744	36
	Mali Idoš	10158	217	1244	2795	5018	363	482	39
	Central Banat district	161271	4195	19653	36703	79903	7665	12390	762
	<i>Zrenjanin</i>	<i>105917</i>	<i>2244</i>	<i>10336</i>	<i>21403</i>	<i>55729</i>	<i>5864</i>	<i>10131</i>	<i>210</i>
	Žitište	14559	536	2578	4518	5968	410	528	21

Region Aeria	City- municipality	Total	No school	Uncomplete elementary education	Elementary education	Secondary education	Higher education	High education	Unknown
	Novi Bečej	20441	491	3223	5569	9113	685	895	465
	Sečanj	11527	492	1894	2991	5245	415	458	32
	Srem district	268696	7377	30987	58318	142278	11924	17125	687
	<i>Sremska Mitrovica</i>	<i>68661</i>	<i>2259</i>	<i>8073</i>	<i>14803</i>	<i>34846</i>	<i>3115</i>	<i>5405</i>	<i>160</i>
	Indija	40971	1034	4039	7629	23683	1918	2559	109
	Irig	9499	237	1491	2409	4594	335	411	22
	Pećinci	16786	475	2652	4299	8164	527	654	15
	Ruma	47119	1535	5804	10420	24105	2067	3049	139
	Stara Pazova	56109	1109	4757	10794	32906	2868	3551	124
	Šid	29551	728	4171	7964	13980	1094	1496	118
	SERBIA – SOUTH	3080535	109658	442502	720513	1423871	150168	220748	13075
	Šumadija and West Serbia region	1733212	58835	240810	406000	818188	81728	121276	6375
	Zlatibor district	245139	9024	30890	58450	118779	11344	15834	818
	<i>Užice</i>	<i>67503</i>	<i>1574</i>	<i>5587</i>	<i>13564</i>	<i>35834</i>	<i>4372</i>	<i>6380</i>	<i>192</i>
	Arilje	16001	476	2293	4028	7735	613	783	73
	Bajina Bašta	22474	1160	4327	5618	9495	846	968	60
	Kosjerić	10568	564	2384	2738	4109	355	390	28
	Nova Varoš	14598	691	2259	3586	6626	624	775	37
	Požega	25762	784	3897	5841	12634	1054	1488	64
	Priboj	23584	767	2115	5228	12806	1117	1439	112
	Prijepolje	30989	1157	3441	8137	15244	1211	1679	120
	Sjenica	20817	1255	2465	6717	8462	574	1252	92
	Čajetina	12843	596	2122	2993	5834	578	680	40
	Kolubara district	151063	5690	26419	36483	66409	6428	9272	362
	<i>Valjevo</i>	<i>78674</i>	<i>2211</i>	<i>10136</i>	<i>16922</i>	<i>37992</i>	<i>4307</i>	<i>6860</i>	<i>246</i>
	Lajkovac	13202	560	2089	3029	6512	437	551	24
	Ljig	11054	319	2752	2656	4533	372	412	10
	Mionica	12313	568	2927	3762	4334	349	343	30
	Osečina	11022	772	3304	3249	3242	197	233	25
	Ub	24798	1260	5211	6865	9796	766	873	27
	Mačva district	255843	10981	39424	57448	121454	10807	14904	825
	<i>Šabac</i>	<i>99082</i>	<i>3367</i>	<i>12982</i>	<i>20019</i>	<i>49558</i>	<i>5122</i>	<i>7739</i>	<i>295</i>
	Bogatić	24677	1101	4654	7631	9594	797	830	70
	Vladimirci	15129	867	4169	3700	5617	342	389	45
	Koceljeva	11278	718	2931	3066	3992	238	316	17
	Krupanj	14946	940	3094	4185	5827	414	441	45
		67543	2655	7708	13460	36264	3052	4092	312
	Ljubovija	12460	773	2561	3099	5133	411	462	21
	Mali Zvornik	10728	560	1325	2288	5469	431	635	20
	Moravica district	183738	4618	23796	40071	92166	8636	14092	359
	<i>Čačak</i>	<i>99132</i>	<i>1829</i>	<i>9609</i>	<i>19143</i>	<i>53543</i>	<i>5437</i>	<i>9386</i>	<i>185</i>
	Gornj Milanovac	38654	814	6119	8703	18604	1645	2721	48
	Ivanjica	27565	1117	4754	7854	11595	967	1182	96
	Lučani	18387	858	3314	4371	8424	587	803	30
	Pomoravlje district	185556	6421	32694	45906	80039	8285	11273	938
	<i>Jagodina</i>	<i>61511</i>	<i>1680</i>	<i>7524</i>	<i>13835</i>	<i>30029</i>	<i>3437</i>	<i>4747</i>	<i>259</i>
	Despotovac	20322	987	5565	5665	6761	498	774	72
	Paraćin	46673	1590	7075	12542	20483	2033	2797	153

Region Aeria	City- municipality	Total	No school	Uncomplete elementary education	Elementary education	Secondary education	Higher education	High education	Unknown
	Rekovac	9930	541	2949	2685	3201	245	274	35
	Svilajnac	20441	638	5447	4773	7701	730	910	242
	Ćuprija	26679	985	4134	6406	11864	1342	1771	177
	Rasina district	209127	8091	32105	50012	92121	11191	14842	765
	<i>Kruševac</i>	<i>110346</i>	<i>3536</i>	<i>13450</i>	<i>24596</i>	<i>51868</i>	<i>6621</i>	<i>9929</i>	<i>346</i>
	Aleksandrovac	23000	1076	4964	5871	8863	956	1176	94
	Brus	14296	1042	2665	3574	5799	552	629	35
	Varvarin	15557	723	3718	5222	4862	463	467	102
	Trstenik	37712	1448	5880	8518	17119	2258	2327	162
	Čićevac	8216	266	1428	2231	3610	341	314	26
	Raška district	250198	8971	25507	67092	116842	11258	18811	1717
	<i>Kraljevo</i>	<i>106732</i>	<i>2959</i>	<i>12344</i>	<i>22631</i>	<i>53137</i>	<i>5955</i>	<i>9326</i>	<i>380</i>
	Vrnjačka Banja	23705	654	2525	4831	12052	1526	2004	113
	Novi Pazar	75610	2746	5034	25966	33583	2346	5005	930
	Raška	21191	1201	2942	3981	10668	981	1348	70
	Tutin	22960	1411	2662	9683	7402	450	1128	224
	Šumadija district	252548	5039	29975	50538	130378	13779	22248	591
	<i>Kragujevac</i>	<i>154290</i>	<i>2870</i>	<i>12498</i>	<i>27162</i>	<i>84187</i>	<i>9711</i>	<i>17552</i>	<i>310</i>
	Arandelovac	39456	644	4665	8607	20766	2154	2537	83
	Batočina	10085	269	1667	2377	4975	370	407	20
	Knić	12533	468	3001	2882	5448	340	359	35
	Lapovo	6785	133	1064	1453	3554	273	266	42
	Rača	10053	223	2412	3030	3714	278	378	18
	Topola	19346	432	4668	5027	7734	653	749	83
	South and East Serbia Region	1347323	50823	201692	314513	605683	68440	99472	6700
	Bor district	109261	4406	19732	26761	45831	4978	6583	970
	<i>Bor</i>	<i>41889</i>	<i>1061</i>	<i>5308</i>	<i>8909</i>	<i>21312</i>	<i>1922</i>	<i>3287</i>	<i>90</i>
	Kladovo	18277	1233	3934	4560	6575	825	924	226
	Majdanpek	16316	739	2689	4166	7363	669	622	68
	Negotin	32779	1373	7801	9126	10581	1562	1750	586
	Braničevo district	158360	6203	32327	48323	56692	5844	7612	1359
	<i>City of Požarevac</i>	<i>63760</i>	<i>1807</i>	<i>7751</i>	<i>15362</i>	<i>29942</i>	<i>3380</i>	<i>4951</i>	<i>567</i>
	Požarevac	52726	1087	5967	12827	24886	2979	4508	472
	Kostolac	11034	720	1784	2535	5056	401	443	95
	Veliko Gradište	15281	340	3863	5441	4489	493	588	67
	Golubac	7281	316	1841	2296	2364	229	204	31
	Žabari	9981	417	2627	3769	2563	172	195	238
	Žagubica	11179	773	3013	3532	3287	229	262	83
	Kučevo	13633	761	3565	3870	4516	377	365	179
	Malo Crniće	9961	249	2750	4329	2258	168	139	68
	Petrovac na Mlavi	27284	1540	6917	9724	7273	796	908	126
	Zaječar district	106182	2733	21985	26189	43360	5066	6586	263
	<i>Zaječar</i>	<i>52383</i>	<i>1170</i>	<i>8365</i>	<i>13396</i>	<i>22579</i>	<i>2801</i>	<i>3935</i>	<i>137</i>
	Boljevac	11437	382	3391	3192	3738	364	337	33
	Knjaževac	28176	866	6493	6396	11576	1268	1510	67
	Sokobanja	14186	315	3736	3205	5467	633	804	26
	Jablanica district	184703	10621	28687	37254	87179	8904	11127	931
	<i>Leskovac</i>	<i>123201</i>	<i>6095</i>	<i>17320</i>	<i>22696</i>	<i>61120</i>	<i>6621</i>	<i>8616</i>	<i>733</i>

Region Aeria	City- municipality	Total	No school	Uncomplete elementary education	Elementary education	Secondary education	Higher education	High education	Unknown
	Bojnik	9296	973	2220	2172	3467	225	213	26
	Vlasotince	25570	1470	4164	6137	11448	1077	1223	51
	Lebane	18716	1387	3523	4189	8091	686	793	47
	Medveđa	6359	519	1093	1650	2544	241	238	74
	Crna Trava	1561	177	367	410	509	54	44	-
	Nišava district	325229	8271	35615	60940	160599	20517	37775	1512
	<i>City of Niš</i>	<i>224041</i>	<i>3309</i>	<i>14185</i>	<i>33801</i>	<i>120562</i>	<i>17062</i>	<i>34409</i>	<i>713</i>
	Medijana	75090	451	2481	7886	37959	7388	18689	236
	Niška Banja	12800	261	1379	2679	7065	625	762	29
	Palilula	62928	1255	3847	10117	35455	4379	7636	239
	Pantelejš	45719	514	3275	7145	25508	3444	5695	138
	Crveni krst	27504	828	3203	5974	14575	1226	1627	71
	Aleksinac	44892	1729	8283	12357	17889	1938	2093	603
	Gadžin Han	7647	670	2072	1865	2696	190	130	24
	Doljevac	15742	814	2576	4084	7425	428	351	64
	Merošina	11989	936	2374	3249	4837	275	244	74
	Ražanj	8076	414	2649	2260	2358	207	175	13
	Svrljig	12842	399	3476	3324	4832	417	373	21
	Pirot district	81382	2189	12903	19946	35920	4613	5679	132
	<i>Pirot</i>	<i>50661</i>	<i>997</i>	<i>7139</i>	<i>11507</i>	<i>23681</i>	<i>3075</i>	<i>4186</i>	<i>76</i>
	Babušnica	11091	739	2509	2941	4086	418	384	14
	Bela Palanka	10653	281	1952	2850	4573	480	491	26
	Dimitrovgrad	8977	172	1303	2648	3580	640	618	16
	Podunavlje district	169857	4788	22589	41960	81802	7790	10125	803
	<i>Smederevo</i>	<i>91562</i>	<i>2573</i>	<i>10176</i>	<i>22532</i>	<i>45248</i>	<i>4482</i>	<i>6140</i>	<i>411</i>
	Velika Plana	35093	1100	5709	9340	15991	1296	1456	201
	Smederevska Palanka	43202	1115	6704	10088	20563	2012	2529	191
	Pčinja district	133995	6999	16936	34321	58965	6806	9545	423
	<i>City of Vranje</i>	<i>70398</i>	<i>2689</i>	<i>6841</i>	<i>17775</i>	<i>32538</i>	<i>4108</i>	<i>6274</i>	<i>173</i>
	Vranje	62251	2162	5433	15134	29542	3848	5978	154
	Vranjska Banja	8147	527	1408	2641	2996	260	296	19
	Bosilegrad	7117	302	1223	2078	2653	348	491	22
	Bujanovac ¹⁾	14496	1268	2557	4035	5442	541	586	67
	Vladičin Han	17859	1224	2957	4380	7551	738	945	64
	Preševo ¹⁾	2539	170	268	750	1110	95	102	44
	Surdulica	17177	1015	2551	3872	7801	869	1029	40
	Trgoviste	4409	331	539	1431	1870	107	118	13
	Toplica district	78354	4613	10918	18819	35335	3922	4440	307
	<i>Prokuplje</i>	<i>37729</i>	<i>1729</i>	<i>4437</i>	<i>8581</i>	<i>17777</i>	<i>2302</i>	<i>2700</i>	<i>203</i>
	Blace	10317	832	1570	2179	4642	517	554	23
	Žitorađa	13883	1033	2878	3672	5560	395	288	57
	Kuršumlja	16425	1019	2033	4387	7356	708	898	24

Source; Statistical Office of the Republic of Slovenia, Census 2011

11.2. Number of high school graduates (1999 to 2016)

	1999/00	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Republic of Serbia	81725	77640	75684	73904	72980	70208	68495	67728	68225	68035	66025	65757	64425
Belgrade region	20252	18966	18149	17689	17622	15797	15449	15524	15582	15458	15280	15164	14865
Belgrade region	21544	19622	19636	18896	18119	18230	17855	17352	17532	17496	16781	16795	16655
Šumadija & Western Serbia region	22658	21755	21530	20815	20918	20485	19956	19495	19819	19609	19043	19019	18664
Souther & Eastern Serbia region	17271	17297	16369	16504	16321	15696	15235	15357	15292	15472	14921	14779	14241

Source; Statistical office of Republic Of Serbia, Education Statistics 2017.

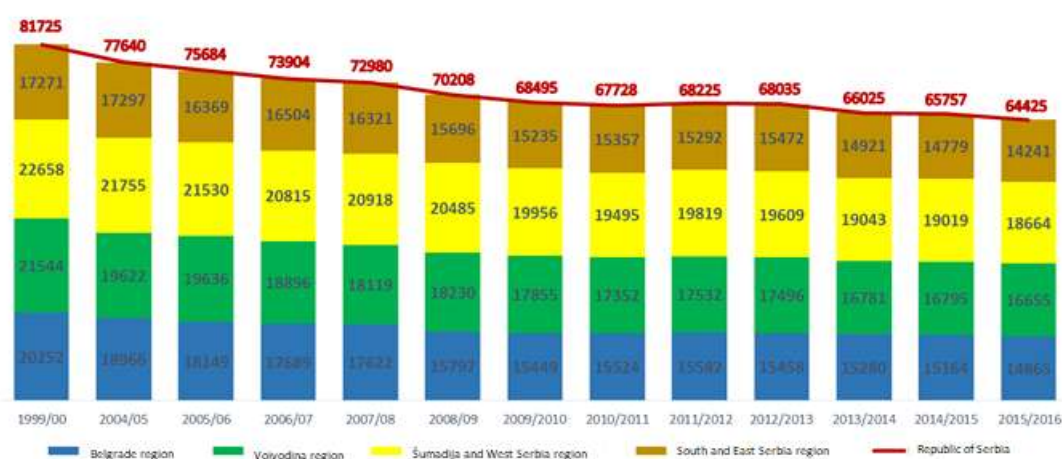
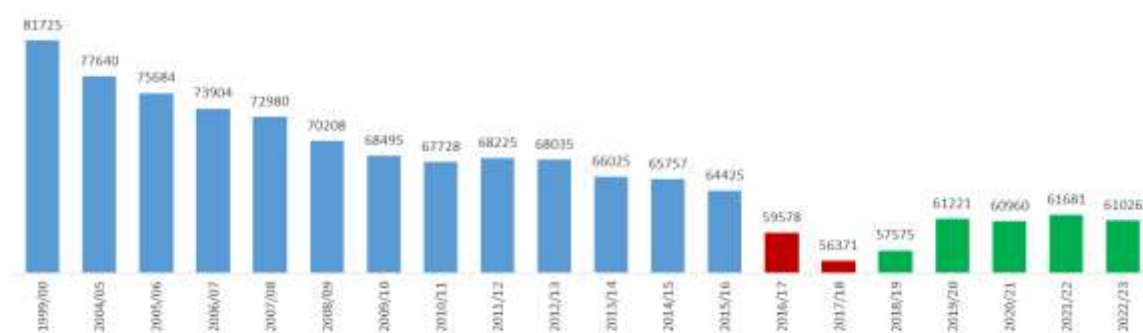


Figure 3 - Number of graduates in the Republic of Serbia for the period 2009/2016.

11.3. Assessment and prediction of the number of graduates to the 2022/23 school year

The rate of high school graduates in a generation 18 years old (%)		Assessment		Prediction				
		2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Republic of Serbia	78,1%	76330 (born 1998.) 59578	72222 (born 1999.) 56371	73764 (born 2000.) 57575	78435 (born 2001.) 61221	78101 (born 2002.) 60960	79025 (born 2003.) 61681	78186 (born 2004.) 61026
Belgrade region								
Belgrade region Šumadija & Western Serbia region	93,3%	14987 (born 1998.) 13977	14182 (born 1999.) 13226	14324 (born 2000.) 13359	16059 (born 2001.) 14977	16342 (born 2002.) 15241	16200 (born 2003.) 15108	16276 (born 2004.) 15179
Souther&Eastern Serbia region Republic of Serbia	78,3%	19894 (born 1998.) 15575	18686 (born 1999.) 14629	18792 (born 2000.) 14712	20145 (born 2001.) 15772	20030 (born 2002.) 15682	20381 (born 2003.) 15956	20206 (born 2004.) 15819
Belgrade region Belgrade region	75,6%	22028 (born 1998.) 16662	21233 (born 1999.) 16061	21879 (born 2000.) 16549	22917 (born 2001.) 17334	22794 (born 2002.) 17241	23507 (born 2003.) 17781	23004 (born 2004.) 17400
Šumadija & Western Serbia region	67,5%	19421 (born 1998.) 13112	18121 (born 1999.) 12234	18769 (born 2000.) 12671	19314 (born 2001.) 13039	18935 (born 2002.) 12784	18937 (born 2003.) 12785	18700 (born 2004.) 12625

Note: The estimate was based on the total number of births by years (1998 - 2004) and the average graduation rate of high school graduates (period 2004 - 2016) Source: Statistical Office of the Republic of Serbia, 2018.



Slika 4. Number of high school graduates in the Republic of Serbia (1999/2016) and estimates for the 2016/17 and 2017/18 school years and the prediction by the school year 2022/23.

In the Republic of Serbia (according to available data from 1998 to 2004), by comparative analysis of the number of 18 years old people and the number of high school graduates (in those seven years) we get a ratio of 78.1%, which can be interpreted as a tentative estimate of high school graduation rate for the observed period. Therefore, in the Republic of Serbia, approximately one fifth (21.9%) of the observed population does not graduate from high school. This number, in addition, indicates not only the general educational level of the population, but also covers all demographic shifts (immigration and emigration from Serbia), so it can only be used indicatively in this sense.

The high school graduation rate (for the observed period) in the Belgrade Region reaches 93.3% (calculated in the same way), which is significantly higher than the national average. This number indicates the great internal migration, or migration from the interior. We recorded a significantly lower rate of completion of secondary school in Sumadija and Western Serbia (75.6%) and Southern and Eastern Serbia (67.5%), which indicates a large demographic shifts, or relocation to the capital.

It is estimated that 56.371 children graduated from the secondary school in the Republic of Serbia in the 2017/18, which represents the minimum for the observed period (from 1999 to 2023).

11.4 Enrolled students and students who have successfully completed their studies (in the mentioned school year) based on the municipality location of the higher education institution

School year	Satus	Republic Serbia	Belgrade region	Vojvodina region	Šumadija and Western Serbia region	Region of Southern and Eastern Serbia
2016/2017	Enrolled	262108	147828	57776	27871	28633
	Graduated	51596	27384	11961	5661	6590
2015/2016	Enrolled	251162	137259	56775	27926	29202
	Graduated	50326	27266	11331	5440	6289
2014/2015	Enrolled	241054	129302	53001	29530	29221
	Graduated	50501	27600	11977	5315	5609
2013/2014	Enrolled	242848	129177	54367	30211	29093
	Graduated	50728	25692	12466	6427	6143
2012/2013	Enrolled	238945	123520	56540	30526	28359
	Graduated	47797	24916	12685	5040	5156
2011/2012	Enrolled	231661	118532	56058	30044	27027
	Graduated	47523	23316	13794	5624	4789
2010/2011	Enrolled	228531	118164	54329	29532	26506
	Graduated	46162	23416	13968	4875	3903
2009/2010	Enrolled	226772	117068	53130	29251	27323
	Graduated	43545	22151	12188	5062	4144
2008/2009	Enrolled	235940	120702	54945	30911	29382
	Graduated	42598	20781	12852	4851	4114
2007/2008	Enrolled	237598	121223	56799	30253	29323
	Graduated	35952	18100	10387	3893	3572

Source: Statistical Office of the Republic of Serbia, Education Statistics 2018. Coverage: All levels of study

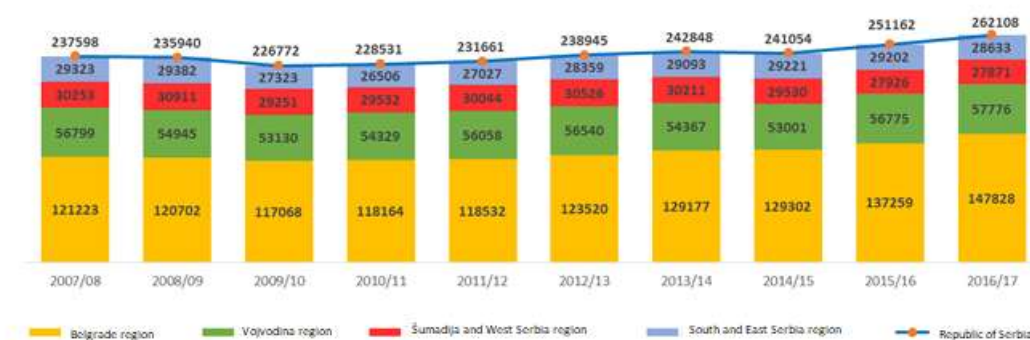


Figure 5. Number of students (the initial year / all levels of study) in the Republic of Serbia, the source of the Statistical Office of the Republic of Serbia, Education Statistics 2018, respectively.



Figure 6. Number of graduates (All levels of study) in the Republic of Serbia, the source of the Statistical Office of the Republic of Serbia, Education Statistics 2018.

11.5. Number of institutions of higher education and student structure by type of funding

School Year	Number of higher education institutions	Enrolled in first year			Graduated		
		Total	Financed from the budget	Others	Total	Financed from the budget	Others
2007/08	194	237598	110606	126992	34671	16663	18008
2008/09	194	235940	106323	129617	40330	18712	21618
2009/10	189	226772	98609	128163	43545	20303	23242
2010/11	189	228531	97763	130768	46162	23286	22876
2011/12	188	231661	102102	129559	47523	24538	22985
2012/13	182	238945	106484	132461	47797	23639	24158
2013/14	180	242848	104433	138415	50728	23722	27006
2014/15	179	241054	103548	137506	50501	22099	28402
2015/16	181	251162	107042	144120	50326	18225	32101
2016/17	180	262108	107473	154635	51596	18440	33156

Source: Statistical Office of the Republic of Serbia in 2018. Note: Since 2009/10. In the school year, graduate students also include magisters/masters, specialists, and Ph.D.

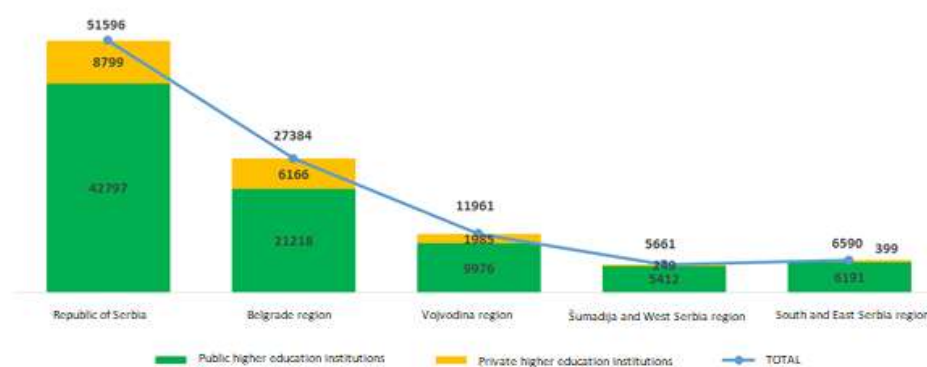
In the observed period from 2007. to 2016, the number of enrolled students is increasing (first year in all levels of study). The average number of enrolled students (for the observed period) financed from the budget is 104438 per year and is relatively stable. The average number of students enrolled (for the observed period) who are not financed from the budget is 135224 per year and has a growth tendency.

The number of graduates increases (for the reference period from 2007/08 to 2016/17) by an average of 1,693 per year. The number of graduates students financed from the budget has been decreasing since the 2013/14 school year. The number of graduates who are not financed from the budget increases from year to year, and in the school year 2016/17 it was higher by 84% compared to the 2007/08.

11.6. The number of graduate students on Public and Private higher education institutions in the school year 2016/17

Region	TOTAL	Public higher education institutions		Private higher education institutions	
Republic of Serbia	51596	42797	82,9%	8799	17,1%
Belgrade region	27384	21218	77,5%	6166	22,5
Vojvodina region	11961	9976	83,4%	1985	16,6
Western Serbia & Sumadija region	5661	5412	95,6%	249	4,4
Southern&Eastern Serbia region	6590	6191	93,9%	399	6,1

Source: Statistical Office of the Republic of Serbia, 2018.



Slika 7. The number of graduate students on Public and Private higher education (all levels) institutions in the school year 2016/17

12. Earnings

12.1. Wages and compensation costs

Average earnings (gross) calculated for June 2019 amounted to RSD 74 009, while average earnings without taxes and contributions (net) amounted to RSD 53 633.

Gross earnings growth in the period January-June 2019, compared to the same period last year, was 9.6% in nominal terms and 7.1% in real terms.

At the same time, net earnings increased by 9.8% in nominal terms and by 7.3% in real terms. Compared to the same month of the previous year, the average gross earnings for June 2019 were nominally higher by 8.8% and really by 7.2%, while the average net earnings were nominally higher by 9.0% and respectively 7,4% real.

Median net earnings for June 2019 amounted to RSD 41 045, which means that 50% of employees have earnings up to this amount.

12.2. Average earnings 2019.

RSD	Earnings		Earnings without taxes and contributions		II quartal	
	VI 2019	I-VI 2019	VI 2019	I-VI 2019	Earnings	Earnings without taxes and contributions
Republic of Serbia - total	74 009	74 730	53 633	54 148	75 319	54 551
Employee earnings in employment	74 492	75 167	54 005	54 486	75 766	54 896
Earnings of employees out of employment	48 580	50 134	34 052	35 139	50 454	35 364
Salaries of employees employed in legal entities	78 786	79 391	57 163	57 599	80 066	58 061
The earnings of entrepreneurs and their employees	38 982	40 115	27 752	28 521	40 361	28 702
Public sector earnings	82 474	84 226	59 389	60 597	84 329	60 666
Earnings out of Public sector	70 079	70 262	50 961	51 114	71 113	51 697

Source: Statistical office of the Republic of Serbia, Earnings statistics, June 2019.

12.3. Earnings indices

	Earnings				Earnings without taxes and contributions			
	$\frac{VI\ 2019}{V\ 2019}$	$\frac{VI\ 2019}{\varnothing\ 2018}$	$\frac{VI\ 2019}{VI\ 2018}$	$\frac{I-VI\ 2019}{I-VI\ 2018}$	$\frac{VI\ 2019}{V\ 2019}$	$\frac{VI\ 2019}{\varnothing\ 2018}$	$\frac{VI\ 2019}{VI\ 2018}$	$\frac{I-VI\ 2019}{I-VI\ 2018}$
Nominal indexes	96,7	107,8	108,8	109,6	96,8	108,0	109,0	109,8
Real indices	97,0	105,8	107,2	107,1	97,1	106,0	107,4	107,3

Source: Statistical office of the Republic of Serbia, Earnings statistics, June 2019.

The Earnings survey is based on information from the withholding tax return form (PPP-PD form). Average earnings are calculated based on the amount of accrued earnings for the reporting month and the number of employees expressed in full-time equivalent (FTE). The survey included all business entities that have electronically completed and submitted PPP-PD form to Tax Administration with a tax return of accrued earnings and all categories of employees for which employers or business entities have submitted an electronically completed PPP-PD PD form to Tax Administration with a tax return of accrued earnings.

In the survey on earnings (in accordance with the Labor Law and the Law on personal income tax) we consider all payments to employees for which the associated taxes and contributions were paid. Earnings are:

- earnings of employees employed, including fees for emergency services, work at night and in shifts, Sundays and holidays; fees for meals at work, for outstanding working hours (annual leave, paid leave, public holidays, sick leave up to 30 days, absence for professional development, a delay in work that is not created by the fault of workers); allowance for annual vacations, prizes, bonuses, etc .
- Remuneration of employees outside their employment (based on temporary and occasional contracts).

Work contract benefits, sick leave for more than 30 days, employee benefits for coming to and from work, time spent on business trips in the country and abroad, accommodation and meals allowance

during work and stay in the field, severance pay to employees on retirement or whose work has ceased to be necessary, one-off benefits in accordance with the social program, reimbursement of funeral services and compensation for injuries due to work or occupational diseases, jubilee awards, solidarity assistance and other benefits and receipts for which they do not pay taxes and contributions, are not considered as Earnings.

12.4. Average earnings per municipality of residence

Average earnings per municipality of residence (RSD)	January-December 2018	
	Average net earnings	Average gross earnings
Republic of Serbia	49650	68629
SERBIA – NORTH	54215	74970
Belgrade region	60689	83941
Belgrade area	60689	83941
Barajevo	43223	59653
Voždovac	62898	87022
Vračar	78619	108485
Grocka	43336	59864
Zvezdara	62515	86516
Zemun	55668	76986
Lazarevac	64243	89607
Mladenovac	42055	58054
Novi Beograd	75469	104079
Obrenovac	51135	70944
Palilula	55125	76299
Rakovica	55977	77501
Savski venac	67111	92859
Sopot	41867	57814
Stari grad	74332	102793
Čukarica	59273	82053
Surčin	44440	61385
Vojvodine region	47095	65103
West Bačka district	42756	59067
Apatin	42627	58991
Kula	41039	56670
Odžaci	40925	56441
Sombor	44273	61180
South Banat district	47510	65735
Alibunar	41884	57687
Bela Crkva	40015	55155
Vršac	51943	71961
Kovačica	39727	54906
Kovin	43489	60056
Opovo	41688	57554
Pančevo	49291	68264
Plandište	41913	57677
South Bačka district	49930	69040
Bač	38236	52559
Bačka Palanka	45376	62661
Bački Petrovac	41527	57249
Beočin	43166	59487
Bečej	43213	59741
Žabalj	39989	54991
City of Novi Sad	54075	74846
Novi Sad	54591	75571
Petrovaradin	44811	61824

Average earnings per municipality of residence (RSD)	January-December 2018	
	Average net earnings	Average gross earnings
Srbobran	38794	53468
Sremski Karlovci	46238	63876
Temerin	42634	58824
Titel	39123	53822
Vrbas	42704	58961
North Banat district	44696	61824
Ada	42788	59340
Kanjiža	43149	59738
Kikinda	46208	63917
Novi Kneževac	41966	57934
Senta	45868	63428
Čoka	40903	56356
North Bačka district	45723	63160
Bačka Topola	43978	60715
Mali Iđoš	38781	53328
Subotica	46474	64218
Central Banat district	46753	64616
Žitište	43415	59892
Zrenjanin	48415	66968
Nova Crnja	43645	60332
Novi Bečej	40217	55339
Sečanj	43073	59390
Srem district	44565	61558
Indija	45784	63230
Irig	39714	54541
Pećinci	44336	61215
Ruma	43589	60165
Sremska Mitrovica	46130	63797
Stara Pazova	44785	61868
Šid	40783	56328
SERBIA – SOUTH	43479	60058
Šumadije and West Serbia	42963	59337
Zlatibor district	43006	59451
Arilje	37100	51151
Bajina Bašta	39709	54775
Kosjerić	43974	60791
Nova Varoš	40590	56082
Požega	42438	58679
Priboj	40306	55752
Prijepolje	38684	53248
Sjenica	41404	57075
City of Užice	47892	66355
Užice	47881	66334
Sevojno	48282	67050
Čajetina	39020	53820
Kolubara district	45881	63483
Valjevo	44508	61524
Lajkovac	59080	82262
Ljig	45834	63532
Mionica	40340	55588
Osečina	39402	54343
Ub	46507	64335
Mačva district	41697	57515
Bogatić	38712	53339

Average earnings per municipality of residence (RSD)	January-December 2018	
	Average net earnings	Average gross earnings
Vladimirci	38068	52304
Koceljeva	38036	52350
Krupanj	36703	50441
	39641	54673
Ljubovija	43717	60553
Mali Zvornik	40757	56205
Šabac	44150	60929
Moravica district	43817	60542
Gornji Milanovac	46307	64031
Ivanjica	36863	50481
Lučani	52659	73258
Čačak	43260	59791
Pomoravlje district	40620	56041
Despotovac	43753	60401
Paraćin	40506	55868
Rekovac	39554	54650
Jagodina	40589	55984
Svilajnac	39390	54348
Čuprija	40024	55243
Rasina district	41083	56665
Aleksandrovac	38151	52564
Brus	37810	52032
Varvarin	36260	50011
Kruševac	42981	59341
Trstenik	39466	54350
Ćićevac	36751	50499
Raška district	40569	55953
Vrnjačka Banja	38544	53212
Kraljevo	42708	58968
Novi Pazar	37440	51529
Raška	40635	56013
Tutin	39574	54433
Šumadija district	46279	63995
Aranđelovac	44672	61717
Batočina	39248	54179
Knić	41627	57360
Kragujevac	48079	66531
Rača	39917	54909
Topola	40056	55282
Lapovo	40392	55805
South and East Serbia	44130	60966
Bor district	48637	67393
Bor	53023	73589
Kladovo	45458	62961
Majdanpek	49202	68165
Negotin	42331	58457
Braničevo district	47053	65211
Veliko Gradište	38708	53646
Golubac	38636	53235
Žabari	36275	49909
Žagubica	42161	58220
Kučevo	39125	54024
Malo Crniće	39156	53957
Petrovac na Mlavi	37585	51700

Average earnings per municipality of residence (RSD)	January-December 2018	
	Average net earnings	Average gross earnings
Grad Požarevac	52348	72711
Požarevac	50440	69990
Kostolac	61956	86412
Zaječar district	41809	57754
Boljevac	43260	59721
Zaječar	43695	60466
Knjaževac	37490	51518
Sokobanja	41610	57608
Jablanica district	39191	53957
Bojnik	36290	49887
Vlasotince	35243	48332
Lebane	37711	51982
Leskovac	39999	55098
Medveđa	45143	62376
Crna Trava	38610	52916
Nišava district	44593	61579
Aleksinac	40856	56300
Gadžin Han	34391	47156
Doljevac	36834	50468
Merošina	36776	50477
Ražanj	36110	49530
Svrljig	32152	44181
City of Niš	46383	64113
Niška Banja	37790	51957
Pantelej	43416	59932
Crveni krst	40985	56431
Palilula	43223	59620
Medijana	51552	71442
Pirot district	48204	66704
Babušnica	41540	57308
Bela Palanka	38293	52572
Dimitrovgrad	38230	52620
Pirot	51968	72036
Podunavlje district	46598	64417
Velika Plana	41362	57038
Smederevo	49611	68735
Smederevska Palanka	42272	58108
Pčinja district	41020	56586
Bosilegrad	39340	54151
Bujanovac	38286	52617
Vladičin Han	41240	56838
City of Vranje	42130	58137
Vranje	42356	58450
Vranjska Banja	32135	44334
Preševo	38280	52996
Surdulica	41276	57023
Trgovište	40986	56570
Toplica district	40418	55699
Blace	37919	52142
Žitorađa	38611	53086
Kuršumlija	41000	56595
Prokuplje	41068	56606

Source: Statistical office of the Republic of Serbia, Earnings statistics, June 2019.

13. Poverty and income distribution

Labour productivity

The 2017 Income and Living Conditions Survey (SILC) was conducted for the fifth time. The aim of the study was to collect data on the basis of which indicators of poverty, social exclusion and living conditions were calculated. The survey is conducted once a year, according to a standardized methodology, which is applied in all EU Member States. Data for 2014, 2015 and 2016 have been revised due to the application of innovative methods in data processing, which have contributed to improving the quality of calculated indicators.

According to the results, the at-risk-of-poverty rate (these individuals are not necessarily poor, but at higher risk of becoming one) was 25.7% in 2017. The at-risk-of-poverty rate or social exclusion rate (these persons are at-risk-of-poverty or extremely materially deprived or living in very low-intensity households) was 36.7%.

The threshold of risk of poverty stood at 15,600 RSD on average per month for a single member household. For households with two adults and one child under 14, the poverty risk threshold was 28,080 RSD, while threshold for a four-member household with two adults and two children up to 14 years was RSD 32,760.

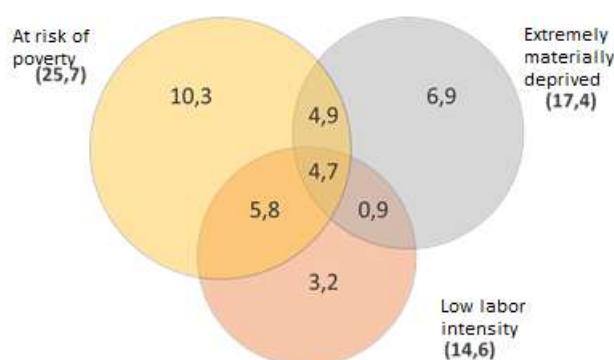


Figure 8. Basic indicators of poverty and social exclusion,%. Source: Statistical Office of the Republic of Serbia 2017.

Viewed by age, persons under 18 were most at risk of poverty (30.5%), as well as persons 18–24 years (29.7%). The lowest at-risk-of-poverty rate was recorded for people over 65 (21.3%). The highest at-risk-of-poverty rate was found in persons in households consisting of two adults with three or more dependents, 55.8%, followed by persons under the age of 65 living in single-family households, 39.6%.

Depending on their working status, unemployed persons aged 18 and over were the most at risk of poverty (50.7%), while the lowest at-risk-of-poverty rate was found in employees working for employers (6.8%). For self-employed persons, this rate was 35.5% and for pensioners 17.5%.

13.1. Indicators of relative poverty and inequality ³

	2014	2015	2016	2017
At-risk-of-poverty rate, %	25,0	26,7	25,9	25,7
Poverty risk threshold (on a monthly basis)				
One-person household, in RSD	13725	13973	14680	15600
Household with two adults and one child under 14, in RSD	24705	25152	26424	28080
Household with two adults and two children under 14, in RSD	28823	29344	30828	32760
At-risk-of-poverty rate or social exclusion rate, %	42,6	41,7	38,5	36,7
At-risk-of-poverty rate before social transfer:				
Social transfers that are not included in income, %	32,1	33,4	32,9	31,6
Pensions and social transfers are not included in income, %	52,0	52,2	52,1	51,3
Relative poverty gap, %	39,3	37,5	39,4	38,8
Quintile S80 / S20 ratio	9,4	10,7	11,0	9,4
Gini coefficient	38,3	40,0	39,8	37,8
Permanent At-risk-of-poverty rate			16,7	18,4

Source: Statistical office of the Republic of Serbia, Earnings statistics, 2018.

13.2. At-risk-of-poverty rate by gender and age (%)

	2017		
	gender		Total
	Male	Female	
At-risk-of-poverty rate (%)	25,4	26,0	25,7
Age groups			
0 – 17 ⁴	-	-	30,5
18 – 64	26,0	25,3	25,7
18 – 24	27,3	32,3	29,7
25 – 54	24,6	25,1	24,9
55 – 64	29,3	22,5	25,8
65 and over	16,9	24,7	21,3

Source: Statistical office of the Republic of Serbia, Earnings statistics, June 2018.

15.3. At-risk-of-poverty rate by most frequent status in the labor market and gender (for persons aged 18 and over) (%)

	2017		
	Gender		Total
	Male	Female	
Working	12,2	9,1	10,8
Employees with employer	6,5	7,1	6,8
Selfemployed ⁵	38,4	28,6	35,5
Not working	32,3	32,4	32,3
Unemployed	52,3	48,7	50,7
Retired	14,3	19,9	17,5
Others inactive	26,1	36,4	33,4

Source: Statistical office of the Republic of Serbia, Earnings statistics, June 2018.

³ Revised data for 2014, 2015 and 2016.

⁴ Displays only the overall rate of poverty risk, with no division by gender.

⁵ Self-employed persons include farmers.

Equivalent income is the total disposable household income distributed equally among household members according to the modified equivalence scale of Organization for Economic Co-operation and Development (OECD). According to this scale, the first adult household member gets a value of 1, the other adult members aged 14 and over value 0.5 and children below 14 years value 0.3. Household income does not include income in kind.

The at-risk-of-poverty threshold (relative poverty line) represents 60% of the median national equivalent income and is expressed in dinars. The at-risk-of-poverty rate represents the proportion of persons whose equivalent income is below the relative poverty line. These individuals are not necessarily poor, they just have a higher risk of becoming poor.

At-risk-of-poverty or social exclusion shows the proportion of individuals who are at risk of poverty or are extremely materially deprived or living in households with very low work intensity. Since the adoption of the Europe 2020 strategy, this indicator has become the most important indicator of vulnerability.

The relative poverty risk gap represents the difference between the at-risk-of-poverty threshold and the median equivalent income of persons that are below the at-risk-of-poverty threshold.

The quintile ratio ($S80 / S20$) compares the total equivalent income of the upper-income quintile (20% of the population with the highest equivalent income) with the total equivalent income of the lower-income quintile (20% of the population with the lowest equivalent income).

The Gini coefficient is a measure of income inequality. The value of this ratio is in the range from 0 to 100. If its value was 0, it would mean that the ideal distribution of income has been achieved and that all citizens have the same income. As the value of the Gini coefficient increases, so does income inequality.

Persistent risk of poverty represents the percentage of persons who are at risk of poverty in the current year and that in at least two out of the previous three years were at risk of poverty. The most common status in the labor market refers to the most common status of a person's activity, that is, the status of a person's activity in which he or she spent at least seven months during the reference period and is counted for persons age 18 and older.

Labor intensity represents the number of months in which all able-bodied household members worked during the reference period and in relation to the hypothetical number of months in which household members were able to work. Labor intensity can be very low (0 (0.20), low (0.20–0.45), medium (0.45–0.55), high (0.55–0.85) and very high (0.85 to 1). For example, low labor intensity refers to households where able-bodied members worked between 20% and 45% of the total number of months they could work during the reference period.

13.4. Absolute Poverty Assessment in Serbia in 2017

The absolute poverty margin in 2017 amounted to RSD 12,045 per month per consumer unit, and consumption lower than had 7.2% of the population of the Republic of Serbia. Poverty remained significant, despite a decrease in poverty rates compared to 2016 (from 7.3% to 7.2%).

About half a million citizens are not able to meet the minimum basic needs. The basic poverty profile did not change significantly in 2017 compared to previous years. Poverty remains significantly more common in urban areas than in rural areas (10.5% vs. 4.9%), and is particularly prevalent in the Southern and Eastern Serbia region.

The absolute poverty margin is defined as fixed consumption necessary to meet the minimum subsistence needs, which over time adjusts only for price changes. The combined effect of pensions and other social transfers on poverty reduction was greatest in the Belgrade region and lowest in the region of South and East Serbia.

In 2017, there would have been 8.9% absolute poor, ie. about 114 thousand persons more that households did not supplement their consumption by producing goods for their own needs. In addition to reducing poverty rates, the production of goods for own use also has a positive impact on inequality

indicators, especially on the quintile ratio, increasing primarily the total consumption of poorer households.

14. Labor Poverty

Working poverty

The population of Serbia is among the oldest in the region, with an average age of almost 43 years. In 2016, every fifth inhabitant of Serbia was 65 years and older. Often pensions are not sufficient for a dignified life, so without "social transfers", the at-risk-of-poverty rate for the elderly would be as high as 82.3 percent and for the population younger than 65 as 48.7 percent.

Almost half of the citizens of Serbia, who are 75 years and older, have been denied material needs. Material deprivation is "the inability of individuals or households that due to a lack of resources cannot afford, basic goods or services typical of their society in a given period.

The research shows that the position and well-being of the older population depends on the position they had in the labor market when they were younger. The unemployed population is at high risk of poverty (48 percent), significantly higher than the average for the general population (25.5 percent). High unemployment affects mostly young people, especially young women, the population with lower education and members of vulnerable groups - Roma, people with disabilities and others.

The poverty of employees, especially self-employed persons, has increased, with the financial poverty risk rate three times higher (32.4%) than for those who are formally employed by employers (9.0%). Source:

The results of a report released in 2019 show that the so-called labor poverty of people with jobs has decreased compared to the past four to five years. At the time, labor poverty was 15 percent, and now it is 10 percent. People that have lower education and who work precariously (part-time/seasonal jobs) are particularly exposed to labor poverty. Those exposed to labor poverty mainly live in families with children, which in the long run causes "inheritance" or transfer of labor poverty conditions.

Source: www.worldbank.org: European Anti-Poverty Network 2019