



## PERSONS IN PAID EMPLOYMENT, BY SEX AND BY COUNTIES, FOURTH QUARTER OF 2022

Data on persons in employment in legal entities, by counties, were obtained by processing data from the JOPPD form. The processing was performed according to the predominant NKD 2007. activity and place of permanent/temporary residence. Therefore, the data by activities are not comparable with the monthly data published so far.

In December 2022, the largest number of persons in employment was in the City of Zagreb, 358 621, which accounted for 22.2% of the total number of persons in employment in the Republic of Croatia. The lowest number of persons in employment was in the County of Lika-Senj, 16 363, which accounted for 1.0% of the total number of persons in employment in the Republic of Croatia. The largest number of employed women was in the City of Zagreb, 179 494, which accounted for 23.6%, and the lowest in the County of Lika-Senj, 7 361, which accounted for 1.0% of the total number of employed women in the Republic of Croatia.

In December 2022, compared to December 2021, the number of persons in employment in legal entities increased in 17 counties, with the largest increase being recorded in the County of Istria, of 4.8%. The number of employed women in legal entities increased in 17 counties, with the largest increase being recorded in the County of Istria, of 4.3%.

For the period from October to December 2022, compared to the same period of the previous year, the number of persons in employment in legal entities increased in 16 counties, with the largest increase being recorded in the County of Istria, of 4.8%. Five counties recorded a decrease in the number of persons in employment, with the largest one, of 1.3%, being recorded in the County of Bjelovar-Bilogora.

The number of employed women in legal entities increased in 16 counties, ranging from 0.2% in the County of Virovitica-Podravina to 5.3% in the County of Dubrovnik-Neretva. A decrease in the number of employed women was recorded in five counties, ranging from 0.3% in the County of Krapina-Zagorje to 1.5% in the County of Bjelovar-Bilogora.

The highest registered unemployment rate in December 2022 was recorded in the County of Virovitica-Podravina, of 14.0%, which was 7.2 percentage points higher than the registered unemployment rate in the Republic of Croatia. The lowest one was recorded in the County of Varaždin, of 2.9%, which was 3.9 percentage points lower than the registered unemployment rate in the Republic of Croatia. The highest registered unemployment rate for women was recorded in the County of Virovitica-Podravina, of 17.5%, which was 9.4 percentage points higher than the registered unemployment rate for women in the Republic of Croatia. The lowest one was recorded in the County of Varaždin, of 3.3%, which was 4.8 percentage points lower than the registered unemployment rate for women in the Republic of Croatia.

Detailed data can be downloaded on the link [Statistics in Line](#).

# 1 LABOUR FORCE ACCORDING TO ADMINISTRATIVE SOURCES, BY COUNTIES AND BY SEX, 2022

County	Active population (labour force) <sup>1)</sup>			Total persons in employment <sup>1)2)</sup>			Unemployed persons			Registered unemployment rate, % <sup>1)</sup>		
	X	XI	XII	X	XI	XII	X	XI	XII	X	XI	XII
Republic of Croatia	1 732 538	1 725 830	1 731 623	1 620 411	1 609 641	1 613 807	112 127	116 189	117 816	6,5	6,7	6,8
Women	822 548	819 495	825 945	758 471	753 189	759 422	64 077	66 306	66 523	7,8	8,1	8,1
Zagreb	138 933	139 413	140 239	133 955	134 580	135 456	4 978	4 833	4 783	3,6	3,5	3,4
Women	64 122	64 320	65 128	61 485	61 800	62 650	2 637	2 520	2 478	4,1	3,9	3,8
Krapina-Zagorje	53 641	53 904	54 435	51 664	51 982	52 531	1 977	1 922	1 904	3,7	3,6	3,5
Women	24 008	24 288	24 553	22 910	23 207	23 520	1 098	1 081	1 033	4,6	4,5	4,2
Sisak-Moslavina	58 803	59 007	59 466	52 282	52 356	52 676	6 521	6 651	6 790	11,1	11,3	11,4
Women	27 079	27 123	27 532	23 286	23 246	23 581	3 793	3 877	3 951	14,0	14,3	14,4
Karlovac	46 289	46 362	46 885	43 955	43 915	44 382	2 334	2 447	2 503	5,0	5,3	5,3
Women	21 399	21 481	21 715	19 993	19 989	20 199	1 406	1 492	1 516	6,6	6,9	7,0
Varaždin	72 619	72 571	73 228	70 441	70 418	71 095	2 178	2 153	2 133	3,0	3,0	2,9
Women	33 518	33 515	34 001	32 358	32 365	32 878	1 160	1 150	1 123	3,5	3,4	3,3
Koprivnica-Križevci	41 390	41 317	41 590	39 576	39 468	39 748	1 814	1 849	1 842	4,4	4,5	4,4
Women	18 813	18 736	19 003	17 760	17 679	17 975	1 053	1 057	1 028	5,6	5,6	5,4
Bjelovar-Bilogora	39 939	40 128	40 069	36 552	36 653	36 635	3 387	3 475	3 434	8,5	8,7	8,6
Women	18 444	18 508	18 558	16 491	16 514	16 654	1 953	1 994	1 904	10,6	10,8	10,3
Primorje-Gorski kotar	124 006	122 555	122 898	117 566	116 021	116 342	6 440	6 534	6 556	5,2	5,3	5,3
Women	59 762	58 989	59 483	56 145	55 312	55 763	3 617	3 677	3 720	6,1	6,2	6,3
Lika-Senj	18 476	17 674	17 823	17 114	16 278	16 363	1 362	1 396	1 460	7,4	7,9	8,2
Women	8 453	8 047	8 209	7 651	7 223	7 361	802	824	848	9,5	10,2	10,3
Virovitica-Podravina	27 886	27 965	28 518	24 056	24 135	24 519	3 830	3 830	3 999	13,7	13,7	14,0
Women	12 817	12 815	13 176	10 537	10 584	10 876	2 280	2 231	2 300	17,8	17,4	17,5
Požega-Slavonia	24 775	24 764	24 840	22 488	22 482	22 607	2 287	2 282	2 233	9,2	9,2	9,0
Women	11 265	11 244	11 326	9 856	9 855	10 014	1 409	1 389	1 312	12,5	12,4	11,6
Slavonski Brod-Posavina	51 112	51 127	51 405	45 244	45 323	45 706	5 868	5 804	5 699	11,5	11,4	11,1
Women	22 305	22 258	22 495	18 430	18 464	18 820	3 875	3 794	3 675	17,4	17,0	16,3
Zadar	67 445	66 163	66 086	64 080	62 453	62 249	3 365	3 710	3 837	5,0	5,6	5,8
Women	32 356	31 684	31 903	30 520	29 618	29 744	1 836	2 066	2 159	5,7	6,5	6,8
Osijek-Baranja	111 765	111 745	112 146	97 501	97 392	97 775	14 264	14 353	14 371	12,8	12,8	12,8
Women	53 105	53 103	53 272	44 185	44 101	44 421	8 920	9 002	8 851	16,8	17,0	16,6
Šibenik-Knin	39 411	38 995	38 852	35 659	34 853	34 635	3 752	4 142	4 217	9,5	10,6	10,9
Women	18 883	18 794	18 768	16 844	16 523	16 503	2 039	2 271	2 265	10,8	12,1	12,1
Vukovar-Sirmium	54 851	54 893	54 932	49 079	49 006	49 217	5 772	5 887	5 715	10,5	10,7	10,4
Women	25 090	25 093	25 143	21 280	21 237	21 530	3 810	3 856	3 613	15,2	15,4	14,4
Split-Dalmatia	191 248	189 460	188 974	170 862	167 210	165 983	20 386	22 250	22 991	10,7	11,7	12,2
Women	93 217	92 420	92 837	82 152	80 314	80 379	11 065	12 106	12 458	11,9	13,1	13,4
Istria	101 018	98 661	97 962	98 096	95 354	94 433	2 922	3 307	3 529	2,9	3,4	3,6
Women	47 462	46 278	46 033	45 926	44 503	44 130	1 536	1 775	1 903	3,2	3,8	4,1
Dubrovnik-Neretva	55 993	55 119	53 916	52 206	50 516	48 677	3 787	4 603	5 239	6,8	8,4	9,7
Women	26 467	26 126	25 745	24 357	23 579	22 849	2 110	2 547	2 896	8,0	9,7	11,2
Međimurje	45 109	45 216	45 557	43 142	43 194	43 527	1 967	2 022	2 030	4,4	4,5	4,5
Women	20 768	20 779	21 039	19 693	19 670	19 949	1 075	1 109	1 090	5,2	5,3	5,2
City of Zagreb	367 224	368 175	371 172	354 288	355 436	358 621	12 936	12 739	12 551	3,5	3,5	3,4
Women	183 091	183 762	185 894	176 488	177 274	179 494	6 603	6 488	6 400	3,6	3,5	3,4

1) Provisional data.

2) Data on foreign workers are not presented. See Notes on Methodology.

## 2 PERSONS IN PAID EMPLOYMENT IN LEGAL ENTITIES, BY COUNTIES AND BY SEX, 2022

County	Persons in paid employment in legal entities <sup>1)2)</sup>				Indices <sup>1)</sup>			
	X	XI	XII	X – XII	X 2022 X 2021	XI 2022 XI 2021	XII 2022 XII 2021	X – XII 2022 X – XII 2021
Republic of Croatia	1 405 686	1 397 595	1 403 404	1 402 228	101,3	101,3	101,3	101,3
Women	669 081	665 347	672 187	668 872	101,3	101,4	101,3	101,3
Zagreb	120 691	121 293	122 251	121 412	101,8	102,0	101,9	101,9
Women	55 985	56 288	57 141	56 471	101,6	101,8	101,6	101,6
Krapina-Zagorje	44 497	44 766	45 437	44 900	99,1	99,5	100,0	99,5
Women	20 188	20 453	20 877	20 506	99,0	99,9	100,3	99,7
Sisak-Moslavina	45 572	45 605	45 952	45 710	99,6	99,7	99,7	99,6
Women	20 416	20 373	20 705	20 498	99,2	99,2	99,3	99,2
Karlovac	38 138	38 146	38 646	38 310	100,2	100,1	100,7	100,3
Women	17 290	17 330	17 574	17 398	100,9	101,1	100,9	101,0
Varaždin	61 561	61 509	62 215	61 762	101,2	100,6	101,2	101,0
Women	28 782	28 802	29 314	28 966	100,7	100,0	100,8	100,5
Koprivnica-Križevci	33 664	33 575	33 926	33 722	101,8	101,4	101,7	101,7
Women	15 270	15 202	15 518	15 330	102,0	101,4	102,1	101,8
Bjelovar-Bilogora	30 825	30 914	30 961	30 900	98,1	98,9	98,9	98,7
Women	14 099	14 128	14 290	14 172	97,7	98,8	98,9	98,5
Primorje-Gorski kotar	100 288	99 057	99 537	99 627	101,5	101,2	101,7	101,5
Women	49 139	48 476	48 975	48 863	101,5	101,2	101,8	101,5
Lika-Senj	14 273	13 485	13 596	13 785	103,2	100,3	100,8	101,4
Women	6 533	6 135	6 274	6 314	102,6	99,1	100,0	100,6
Virovitica-Podravina	18 859	18 998	19 460	19 106	98,5	100,1	99,9	99,5
Women	8 488	8 565	8 868	8 640	98,9	101,5	100,1	100,2
Požega-Slavonia	18 934	18 926	19 058	18 973	100,1	100,4	100,5	100,3
Women	8 528	8 530	8 669	8 576	101,3	102,1	102,1	101,8
Slavonski Brod-Posavina	38 246	38 275	38 652	38 391	100,2	101,0	101,3	100,8
Women	15 530	15 539	15 905	15 658	98,3	99,4	100,5	99,4
Zadar	53 115	51 777	51 716	52 203	102,5	101,8	101,6	102,0
Women	26 189	25 472	25 671	25 777	103,2	102,5	102,4	102,7
Osijek-Baranja	84 645	84 505	84 908	84 686	99,5	100,0	100,1	99,9
Women	38 795	38 711	39 028	38 845	98,9	99,6	99,3	99,2
Šibenik-Knin	29 478	28 913	28 744	29 045	100,6	100,9	101,2	100,9
Women	14 387	14 200	14 220	14 269	100,8	101,3	102,0	101,3
Vukovar-Sirmium	40 861	40 755	41 035	40 884	99,7	100,2	100,9	100,3
Women	18 034	17 977	18 278	18 096	99,4	100,5	101,5	100,4
Split-Dalmatia	144 901	142 232	141 261	142 798	102,6	102,3	101,6	102,2
Women	71 731	70 404	70 544	70 893	103,2	102,6	101,7	102,5
Istria	80 580	78 315	77 547	78 814	105,0	104,7	104,8	104,8
Women	38 927	37 779	37 486	38 064	105,1	104,6	104,3	104,7
Dubrovnik-Neretva	43 803	42 791	41 160	42 585	103,9	104,1	102,7	103,6
Women	21 232	20 791	20 165	20 729	106,0	105,7	104,1	105,3
Međimurje	38 825	38 887	39 243	38 985	101,4	103,0	101,8	102,0
Women	17 846	17 831	18 112	17 930	102,7	105,4	102,4	103,5
City of Zagreb	323 325	324 255	327 469	325 016	100,9	100,9	101,1	101,0
Women	161 568	162 229	164 441	162 746	100,6	100,6	100,8	100,7
Foreign	605	616	630	617	100,0	101,0	95,6	98,8
Women	124	132	132	129	119,2	118,9	112,8	116,9

1) Provisional data.

2) Activity sections T (Activities of households as employers; undifferentiated goods – and services – producing activities of households for own use) and U (Activities of extraterritorial organisations and bodies) as well as their divisions are not presented in this First Release since they were not covered by the survey.

## NOTES ON METHODOLOGY

### Data sources

The total number of persons in employment includes persons employed in legal entities, in trades and crafts and free lances, as well as insured persons – private farmers.

Data on persons in employment in legal entities were gathered by processing data from the Report on Income, Income Tax and Surtax as well as Contributions for Mandatory Insurances (JOPPD form), which has been in effect since 1 January 2014.

All persons or entities that are the payers of income for which the income tax regulations prescribe the obligation of accounting and paying deduction tax are under the obligation to submit the JOPPD form.

Data on persons in employment in crafts and trades and free lances are processed according to the records on pension insurance beneficiaries obtained from the Croatian Institute for Pension Insurance.

The Croatian Institute for Pension Insurance provides data on employed insured persons – private farmers.

Data on the number of unemployed persons are obtained from the Croatian Employment Service.

#### **Coverage and comparability**

The survey on persons in paid employment in legal entities includes all persons who have signed a work contract, regardless of the type of work contract and whether they work full-time or less than full-time.

Foreign workers are persons employed in legal entities on the territory of the Republic of Croatia who do not have permanent/temporary residence in the Republic of Croatia.

The survey on persons in crafts and trades and free lances includes owners and employees registered with the Croatian Institute for Pension Insurance.

Data are presented according to the predominant, main activity of the NKD 2007., while the monthly data published so far were presented according to the "pure" activity. This means that the processing, in addition to the main activity, was also performed according to secondary activities. Therefore, the data by activities are not comparable with the monthly data published so far.

Data on counties are presented according to the place of permanent/temporary residence by the territorial constitution in accordance with the Act on the Territories of Counties, Towns and Municipalities in the Republic of Croatia (NN, Nos 86/06, 125/06, 16/07, 95/08, 46/10, 145/10, 37/13, 44/13, 45/13 and 110/15).

#### **Definitions**

**Persons in paid employment** are all persons who have signed a work contract with an employer for a fixed or an unspecified period of time, irrespective of the type of ownership and of whether they work full-time or less than full-time.

**Registered unemployment rate** is calculated as a ratio of the number of unemployed persons to the total active population (labour force).

#### **Abbreviations**

NKD 2007. National Classification of Activities, 2007 version  
NN Narodne novine, official gazette of the Republic of Croatia

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