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**STATISTICAL OFFICE OF THE  
EUROPEAN COMMUNITIES  
(EUROSTAT)**

**CONFERENCE OF EUROPEAN STATISTICIANS**

**INTERNATIONAL LABOUR  
ORGANIZATION**

Joint UNECE-Eurostat-ILO Seminar  
on Measurement of the Quality of Employment  
(Geneva, 27-29 May 2002)

### **Employment data in the Republic of Croatia**

Supporting paper submitted by the Central Bureau of Statistics of Croatia<sup>1</sup>

1. The Department of Labour Statistics is responsible for conducting and processing the monthly and annual survey on employment and wages according to the administrative sources, as well as for the Labour Force Survey.

#### **I. Employment data (according to the administrative sources)**

##### ***1.1 Monthly survey***

2. Monthly data on persons in paid employment is compiled from the data supplied every year (Annual Survey on employed persons) and from regular monthly surveys covering 70 % of persons in paid employment in each division of NACE Rev. 1. Data cover persons in paid employment in legal entities and include those in permanent employment, irrespective of the kind of employment and number of working hours (registered employment).

3. Persons under 15 years of age cannot be included in registered employment, since by law (Labour Law, Narodne novine, official gazette of the Republic of Croatia, No. 38/95) they cannot sign a work contract.

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<sup>1</sup> Paper written by Snjezana Varga.

4. Data are collected from legal entities, regardless of ownership, government bodies, state administrative bodies, local government bodies and self-management bodies. Data do not include number of persons employed in crafts and trades and freelance, as well as private farmers. These data are obtained from the Croatian Institute for Pension Insurance and are published on a monthly and a quarterly basis by activity sections of NACE Rev.1.

5. The data on persons in employment do not include those employed in the police, defence and private farmers. Since 1998, the estimated number of persons employed in the police and defence has been included.

6. The survey is conducted on the last day of the month. The data measure employment on the survey reference date rather than the average for the reference period. Results are published according to the Advance Release Calendar.

7. Monthly data on persons in paid employment in crafts and trades and freelance by NCEA, as well as private farmers, are taken from the records of active insured persons held by the Croatian Institute for Pension Insurance.

**ACTIVE POPULATION (LABOUR FORCE) IN THE REPUBLIC OF CROATIA ACCORDING TO ADMINISTRATIVE SOURCES, BY SEX**

	Annual average, 2001		Situation in February, 2002		Situation in March, 2002	
	Total	Women	Total	Women	Total	Women
Active population (labour force)	1 728 503	822 421	1 738 422	827 707	1 742 132	828 930
Total persons in employment	1 348 308	619 016	1 324 004	604 618	1 326 780	605 411
Persons in paid employment in legal entities <sup>1)</sup>	1 056 141	478 092	1 033 298	466 317	1 034 931	466 809
Persons in employment in crafts and trades and free-lances <sup>2)</sup>	216 395	100 126	218 381	99 387	220 124	100 042
Actively insured persons – private farmers <sup>2)</sup>	75 772	40 798	72 325	38 914	71 725	38 560
Unemployed persons <sup>3)</sup>	380 195	203 405	414 418	223 089	415 352	223 519
Unemployment rate <sup>4)</sup>	22,0	24,7	23,8	27,0	23,8	27,0

**COMPOSITION OF TOTAL PERSONS IN EMPLOYMENT IN THE REPUBLIC OF CROATIA ACCORDING TO ADMINISTRATIVE SOURCES, BY SEX**

	Annual average, 2001		Situation in February, 2002		Situation in March, 2002	
	Total	Women	Total	Women	Total	Women
Total persons in employment	100,0	100,0	100,0	100,0	100,0	100,0
Persons in paid employment in legal entities <sup>1)</sup>	78,3	77,2	78,0	77,1	78,0	77,1
Persons in employment in crafts and trades and free-lances <sup>2)</sup>	16,1	16,2	16,5	16,5	16,6	16,5
Actively insured persons – private farmers <sup>2)</sup>	5,6	6,6	5,5	6,4	5,4	6,4

1) Number of persons in paid employment in legal entities include those employed in the police and defence.

2) Data taken from the records of active insured persons kept at the Croatian Institute for Pension Insurance.

3) Data taken from the Croatian Employment Service.

4) The unemployment rate is calculated as a ratio of unemployed persons and total active population (labour force).

EMPLOYMENT BY ECONOMIC ACTIVITY,  
ANNUAL AVERAGE <sup>1)</sup>

	1999	2000	2001
<b>TOTAL</b>	<b>1.364.495</b>	<b>1.340.957</b>	<b>1.348.308</b>
<b>Agriculture</b>	<b>137.093</b>	<b>118.689</b>	<b>111.233</b>
A Agriculture, hunting and forestry	133.520	115.103	107.442
B Fishing	3.573	3.586	3.791
<b>Industry</b>	<b>427.420</b>	<b>413.237</b>	<b>412.640</b>
C Mining and quarrying	8.404	8.180	7.733
D Manufacturing	296.283	288.890	287.030
E Electricity, gas and water supply	27.092	27.418	27.655
F Construction	95.641	88.749	90.222
<b>Services</b>	<b>795.334</b>	<b>805.757</b>	<b>821.330</b>
G Wholesale and retail trade; repair of motor vehicles, motorcycles and personal household goods	198.006	198.309	205.831
H Hotels and restaurants	72.980	74.960	76.404
I Transport, storage and communication	96.303	96.503	96.768
J Financial intermediation	29.156	30.294	29.825
K Real estate, renting and business activities	64.219	66.290	69.553
L Public administration and defence; compulsory social security	123.742	122.350	121.332
M Education	80.188	82.544	83.816
N Health and social work	82.065	82.120	82.393
O Other community social and personal service activities	40.702	42.428	44.008
P Private households with employed persons	7.973	9.959	11.400
<b>Others</b>	<b>4.648</b>	<b>3.274</b>	<b>3.105</b>
Q Extra-territorial organizations and bodies	1.038	0	0
Not classified by activities	3.610	3.274	3.105

<sup>1)</sup> Data include persons employed in the police and defence, persons employed in crafts and trades and free lances as well as private farmers.

8. Annual average of the number of persons in paid employment was calculated on the basis of data by months, corrected by the full coverage data with the stands as of 31 March.

### ***I.II Annual survey***

9. Annual survey of employed persons: an establishment survey conducted each year since 1996, with reference to the month of March; its main objective is to collect data on the number of persons employed according to sex, type of employment, hours of work, age, professional attainment (i.e. education and skill level). Prior to 1996, this survey was half yearly, as of March and September.

10. The survey consists of a full enumeration of all business units contained in the Business Register, in all forms of ownership, except the Ministry of Defence, Ministry of Internal Affairs, independent farmers, persons employed in crafts and trades and self-employed persons.

11. Employed persons are all physical persons employed for a fixed or unspecified period of time (temporarily or permanently), irrespective of whether they work full- or less than full-time. Employed persons are not classified by employment category. Employment data refer to the end of March.

12. Employment data are classified by place of work, branch of economic activity, type of ownership of business, sex, age, level of professional attainment, type of employment, duration of working hours and level of wages. Results for the Republic of Croatia are available in 5 digit level (subclasses) and for the counties and towns/municipalities on the level of NCEA sections.

## **II. LABOUR FORCE SURVEY**

13. The Survey is carried out in compliance with the methodological rules and guidelines of the International Labour Organization (ILO), adopted at the 13th Conference of Labour Statisticians held in 1982 and the European Statistical Office (EUROSTAT) who methodologically harmonised surveys on the level of the European Union.

14. The LFS was carried out for the first time in November 1996. From 1998 the LFS has been carried out continuously, meaning that every month a part of total sampled households were interviewed (on average 1,340 households). The results are published semi- annually.

15. This is the most significant source of internationally comparable data in the area of labour statistics, which enables comparison of Croatia with numerous other countries.

### **Abbreviations**

NCEA National Classification of Economic Activities ( is based of NACE Rev 1)

LFS Labour Force Survey