

**State Statistics Service of Ukraine**

**Economic Activity  
of Population in Ukraine  
2016**

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**Economic Activity of Population in Ukraine 2016:**  
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The publication is addressed to experts engaged in labour market research. It may also be useful to students of higher educational institutions.

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When using data and materials from this Statistical publication, please make sure you have made reference to the original publication.

## **Foreword**

This publication presents information about labour force and its characteristics on Ukraine's labour market in 2016.

Data on basic indicators of economic activity of the population have been obtained based on the results of population (households) sample survey on issues of economic activity.

The publication contains the description of methodological and organizational principles of conducting this survey, methods of sample design of households and definitions and concepts of indicators and data reliability evaluations.

Also, the publication presents data on demand and supply of labour force on registered labour market that are based on information from the State Employment Service.

Information is systematized by theme according to 7 sections of the publication.

In sections 1-4 there are data on economically active population, employed and unemployed, defined by the methodology of International Labour Organization (ILO).

Section 5 presents information on economic activity of the population in 2010-2016 while section 6 - comparison indicators of employment, unemployment (according to the ILO methodology) in Ukraine with European Union countries (EU).

Section 7 presents data about indicators on registered labour market (number of the registered unemployed and their job placement, demands of employers for employees, etc).

Also, the publication includes brief analytical review of labour market situation in 2016. Some phenomena are illustrated in diagrams that give an idea of the main trends on the labour market of Ukraine.

We hope that the publication will be interesting to experts of the legislative and executive authorities, trade unions, scientific institutions and establishments, and other users dealing with issues of developing social policy and labour market problems.

### **To users**

Information for 2010-2014 excludes the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol, for 2015 and 2016 it also excludes a part of the zone where anti-terrorist operation is conducted.

## Conventional Symbols Used in the Statistical publication:

— (dash)	- no phenomenon observed;
ı̇ (elision marks)	- missing data;
:	- data not provided because of high coefficient of variation;
0.0 (zero)	- phenomenon existed but in smaller dimensions than those to be expressed in the table's digital positions;
(eks symbol)	- no point in filling in the heading by type of phenomenon;
of which	- not all addends of the total sum presented;
including	- all addends of the total sum presented.

## Notes

In some cases, insignificant discrepancies between the overalls and the total of adding items can be explained by data rounding.

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## **Methodological and organizational principles of population (households) sample survey on issues of economic activity**

**The objective** to undertake of population (households) sample survey on issues of economic activity (hereinafter ó the EAP survey) is to obtain data about the composition and structure of labour force, the measurement of employment and the directions of activities of the population as well as identification of real unemployment rate which includes the total volume of labour force supply and is used as an important indicator to analyze the current status of the country's economy. The criteria to identify the employed and the unemployed follow ILO recommendations and standards adopted in statistical practices of the EU countries. The materials of the EAP survey permit to assess the scope and qualitative characteristics of labour force on Ukraine labour market, analyze the trends for the development of market environment.

In 1995ó1998 the survey was carried out once a year, in 1999ó2003 quarterly in the last month of each quarter and since January of 2004 it was introduced into the practices of the state statistics bodies with monthly periodicity.

The base to conduct the EAP survey is the population of households selected in all regions of the country using the science-based principles. The monthly size of the sample population of households is formed using the rotation scheme according to which each selected household is questioned 6 times: 3 month at a spell of questioning ó break for 9 months ó questioning during the next 3 months. The size of monthly sample population of households is 16.0 thousand (excluding the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol).

During 2016, 106.3 thousand respondents aged 15-70 have been questioned that makes up 0.37% of resident population of Ukraine of the specified age. The number of the made interviews is 294.6 thousand.

For the purpose of disseminating the sample data over the total population, when constructing a system for statistical weights, the data from demographic statistics dated on January 1, 2016, about the number of the resident population aged 15-70 were used.

### **Location of the survey**

The EAP survey is run on the permanent places of residence of the population by specially trained employees (experts in interviewing) via direct questioning (voluntary) of persons aged 15-70 who reside in the selected households.

**Household** includes all persons who reside together and share the keeping of the house.

**The questioning** of the population is made each month during 15 calendar days and starts with a week that is next after the reference period.

**Reference period** is the surveyed week (from Monday till Sunday) that includes the 15<sup>th</sup> day of the month.

**The survey covers** the members of one household aged 15-70 who permanently reside in this household (regardless of registration and its nature).

### **The survey does not cover:**

#### **Households which:**

- which are territorially located: in the isolation zone (zone I) and zone of unconditional (compulsory) evacuation (zone II) due to radioactive pollution because of the Chernobyl nuclear plan disaster; from 2014 ó the temporarily-occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol and from 2015 ó part of the anti-terrorist operation zone;

- in which all persons that are younger then 15 or older then 70 years;

#### **Persons that belong to categories mentioned below:**

- students and pupils of all types of educational institutions who left and temporarily reside in other localities and are subject to questioning by place of their training;

- persons who are in active military service (apart from persons called up for reserve training) and military students who reside in barracks;

- persons who are in institutional establishments (places of detentions, hostels, houses for the aged, etc.);

- persons who during a visit to household were temporarily absent and their coming back was not expected during the next 12 months.

### **Organizational principles to undertake the population (households) sample survey on issues of economic activity**

The conduct of the population (households) sample survey on issues of economic activity envisages **a complex of work:**

*of methodological nature:*

- development, approval and copying the tools that include the inquiry forms, instructions for experts in interviewing, invitation - letter to households to participate in the survey;

*of organizational nature:*

- generation of households sampling;  
- conduct of the instructive meetings on matters pertaining to organization and methodology to carry out the survey by employees from the state statistics bodies;

- training of experts in interviewing on conducting the sample survey of the population (households);

- conduct of the explanatory work among the population;

- collection of information via the direct questioning of citizens by place of their permanent residence;

- revision of lists of persons who reside in selected households for the survey;

- field control of work of experts in interviewing;

*concerning the processing of information:*

- logical and arithmetical controls over primary information contained in questionnaires;

- coding of separate respondents' responses and entry of information to electronic data base;

- aggregation of indicators at regional level and their logical control;

- generalization and control over data base for survey at the national level;

- calculation of weighted coefficients for the dissemination of information to the general population and receiving estimates of indicators;

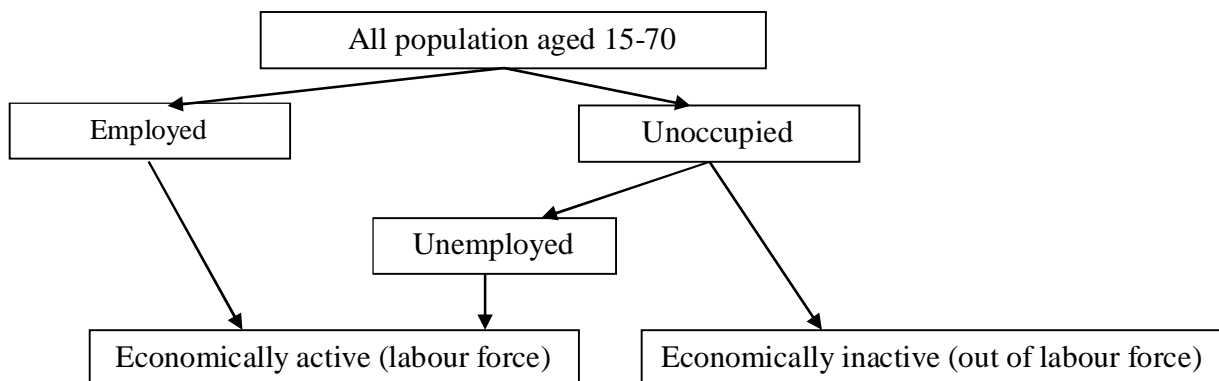
- development of indicators for quality of information and its representativeness at all levels of usage;

- construction of tables for publication of survey results.

## Basic methodological definitions and notions

The basic definitions and notions about the economic activity of the population developed according to standards and recommendations of ILO that take into account the national specifics of legislative and normative basis.

According to results of the EAP survey, all population of the country aged 15-70 is distributed as three mutually exclusive and exhaustive categories: the employed, unemployed and economically inactive (outside the labour force):



**Economically active population** is comprised of the population of both sexes aged 15-70 inclusive which during the certain period furnishes the proposition of labour force on labour market.

The economically active population (labour force) includes only those persons who were engaged into economic activity or searches a job and were available to start working, i.e. are classified as the employed or unemployed (by ILO definition). According to the rules for priority, employment is given advantage over unemployment and unemployment is given advantage over the absence of economic activity.

**Distribution of the economically active population by occupational group** is made using the Classification of Occupations (hereinafter ó CO) approved and implemented by Decree 327 of the State Committee on Technical Regulation and Consumer Policy of July 28, 2010.

The mentioned classifier is developed according to International Standard Classification of Occupations (ISCO-88) as to concept regulations, structural composition and main characteristics of occupational groupings.

**Economic activity rate** is defined as a ratio (per cent) of the number of economically active population aged 15-70 to the total population of the mentioned age or population of relevant social and demographic group.

**Employed** are persons aged 15-70 who:

- a) worked during the surveyed week at least 1 hour:
  - were employed to receive cash or in-kind payment, worked individually (self-employed), were employed by other individuals or worked at their own (family) enterprise;
  - worked for free at enterprise or own business that belongs to any member of household or were employed at private subsidiary agriculture in order to sell products produced as a result of their activity;
- b) were temporary absent from work, i.e. were formally attached to a work place, had their own enterprise (business) but did not work during the reference period for some reasons.

**Employment rate** is compiled as a ratio (per cent) of the employed population aged 15-70 to the total population of the mentioned age or population by relevant social and demographic group.

**Distribution of the employed population by type of economic activity** is made using the Classification of Types of Economic Activity SC 009:2010 (CTEA-2010) which is harmonized with Nomenclature of Activities of the European Community (NACE Rev.2-2006).

The mentioned distribution is made on the basis of a complex assessment through the integration of data from the sample survey of population, the state statistical observations over enterprises, establishments, organizations and administrative reporting.

**The number of employees at enterprises, departments, organizations** covers the employed who concluded a labour agreement (contract, civil and legal treaty) at their work. This agreement could be either permanent or temporary. This category includes employees of entities, budget funded and financial establishments and nongovernment organizations as well as professional military personnel in career service (apart from military service for a regular term), persons from private corps and key personnel of law-enforcement bodies.

The employed are recorded by place of their work, i.e. the place where the enterprise or its structural branch is located and classified by relevant type of economic activity.

**Informal employment** covers informal work places at enterprises of both formal and informal sectors. The guidelines regarding statistical definition of informal employment were adopted by the 17th International Conference of Labour Statisticians in 2003. Taking into account the regulations of this document as well as in line with methodological regulations on definition of informal employment of the population approved by SSSU decree 16 of January 23, 2013, the informally employed include the following categories of the employed population:

- employed at enterprises of informal sector (unregistered own-account workers, employers and their employees, contributing family workers, etc);
- contributing family workers at enterprises of formal sector;
- employees who work at informal work places of formal sector (persons who worked according to oral agreement or did not have any social guarantees, particularly: no single contribution for compulsory state social insurance has been paid for them, they did not have right to annual leave; paid sick leave).

**Status in employment** is defined on the basis of the classification developed according to the recommendations of the 15<sup>th</sup> International Conference of Labour Statisticians as of January 28, 1993.

**Employees** are persons who made written (or oral) labour agreement (contract) with administration of the enterprise, establishment, organization, natural person about the conditions and remuneration of labour activity.

**Self-employed** are persons who dislike the gainfully occupied are independently engaged into labour activities on the basis of organization and implementation of business activity of the natural or legal person and are responsible for the efficiency and effectiveness of this activity as well as fulfillment of commitments in relation to other persons, particularly fulfillment of the terms of labour agreements with the gainfully occupied, etc. These persons are as follows:

- employers
- own-account workers
- contributing family workers

**Employers** are persons who work on one's own account or with one or more business partners at one's own enterprise (one's own business) and as such engage employees on regularly basis to work at their enterprise.

**Own-account workers** are persons who carried out activities producing income independently or with one or more business partners and do not engage employees on regular basis.

**Contributing family workers** are persons who work with no payment at their family enterprise headed by their relative (in the event this work should be referred to economic activity).

**Temporarily absent from work** are persons who keep a job or an occupation (excluding those engaged in their own agricultural farms) but did not work during the surveyed week due to the following reasons:

- annual leave
- leave due to pregnancy and labors and child-care leave till it reaches the age according to the current legislation
- leave without pay (till the performance of work is terminated)
- temporary incapacity (sickness, injury), care for sick person
- seasonal work
- days-off due to the work schedule
- other reasons.

**Average actual duration of working week** is given as actually worked hours per week on the average of one employed person. The indicator is compiled for all employed excluding persons who were temporarily absent on work or worked on private subsidiary agriculture.

**Unemployed (by ILO methodology)** are persons aged 15-70 who meet the following three basic requirements:

- a) were without work (gainful employment)
- b) were actively seeking a job or were trying to establish their own business during the last 4 weeks before questioning, i.e. were making specific steps during the mentioned period in order to find a gainful employment or work on own enterprise
- c) were available to work during the two coming weeks, i.e. started working as an employed person or work on own enterprise in order to get payment or income.

The category of the unemployed includes also persons who will start working during the next two weeks; have found a job or await a reply.

**Unemployment rate (by ILO methodology)** is an indicator that is compiled as a ratio (per cent) of the unemployed of the specific age group to the economically active population (labour force) of the relevant age or the relevant social and demographic group.

**Economically inactive population (outside of labour force)** are persons who cannot be classified as *employed* or *unemployed*.

This category includes the idle persons who belong to the following social groups:

- pensioners
- students (pupils) of the full-time education
- persons who engaged into household (family) work
- persons of working age who are discouraged to find a job (see the discouraged)
- persons who think that there is no proper job for them and do not know how to find it
- other persons who did not need a job as well as those whose activity does not apply to the economy (performance of unpaid or voluntary work, etc).

**The discouraged** are persons who did not have a job, were available to start working but during the last month stopped the active search for a job because they exhausted all possibilities to find it.

**Average length of search for a job** is given as the average number of months of search a job per one unemployed. The compilation of the above-mentioned indicators is made using the formula of arithmetic weighted average.

Within the framework of EAP survey, prior to 2012 the **working age persons** include women aged 15-64 and men aged 15-69. According to Ukraine's law *On Actions Regarding the Legal Support to Reforming the Pension System*, beginning from 2012 the working age population includes women aged 55, in 2013 ó women aged 56, in 2014 ó women aged 57, in 2015 ó women aged 58, in 2016 ó women aged 59.

**Demand for labour force on registered labour market** is the number of vacant work places (vacancies) about which the employers (enterprises, establishments, organizations and natural person-entrepreneurs) reported to the State Employment Service.

**Load of the registered unemployed per one vacancy** is defined as a ratio of the number of registered unemployed to the number of vacancies claimed by employers.

**Registered unemployed** under current law are person of working age who are registered as unemployed with the local offices of central executive body that implement the state policy in the field of employment and labour migration and are willing and able to get to work.

Disabled people are recognize as unemployed who have not reached retirement age and receive a disability pension or social assistance under the law, and persons under 16 years of age who worked and were dismissed due to changes in the organization of production and labour.

Information about the registered unemployment by region is given by the territorial employment services.

**Registered unemployment rate** is defined as a ratio (per cent) of the number of the unemployed registered at the state employment service to the average annual number of working age population.

In order to make comparisons with data from the population (households) sample survey on issues of economic activity, the number of the average annual registered unemployed is compiled. The relative indicator of registered unemployment rate is compiled in relation to the economically active population of working age during the relevant period.

**Average monthly number of the registered unemployed** is compiled according to the formula of average chronology\*.

**Long-term unemployment rate (by ILO methodology)** is compiled as a ratio (per cent) of the number of the unemployed aged 15-70 who were looking for a job during 12 months and more to the economically active population (labour force) of the mentioned age.

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\* Page 38 of the training aid *Labor Market Statistics: International Standards and National Experience*. Training aid under the editorship of Mrs N.S. Vlasenko, N.V. Hryhorovych, N.V. Rubleva. Partnership August Trade, 2006-320. ISBN 966-8459-16-4.

## **Principles of sample design and data quality assessment of population (households) sample survey on issues of economic activity**

For the purpose of conducting a population (households) sample survey on issues of economic activity a national territorial probability sample of non-institutional households has been built. The validity period of the geographical sample for the survey is five years, namely: January 2014 ó December 2018.

### **1. Sampling procedure**

The survey population was build up based on the procedure of the multistage stratified sampling

The general diagram of generating a household sampling frame is shown in Figure 1.

The sample generation procedure encompasses the following stages:

- 1) exclusion of areas that cannot be surveyed;
- 2) exclusion of population, which is not subject to survey;
- 3) stratification of general population;
- 4) selection of primary sample territorial units (PSTU);
- 5) selection of secondary sample territorial units (SSTU);
- 6) selection of households.

In the process of generating a territorial sample rural settlements (village councils) located in the alienation zone (zone I) and the zone of unconditional (mandatory) evacuation (zone II) of radiation pollution resulting from the Chernobyl nuclear power disaster are excluded from the total territory of Ukraine. Accordingly, the population living in this area is also excluded from the population of Ukraine and related areas.

The institutional population ó conscripts, prisoners, persons permanently residing in nursing homes, senior centres etc., are excluded from the population.

Stratification of the general population is carried out for the purpose of adequate reflection of main features of the administrative territorial division of Ukraine and for ensuring selection from more homogeneous groups of households by their main characteristics. To this end, sample generation involves detection of strata which, within each region (27 regions: the Autonomous Republic of Crimea, 24 regions and the cities of Kyiv and Sevastopol) correspond to cities and city councils with a population of 100,000 people and more (hereinafter ó the "cities" of the region strata), towns, city councils and town councils with population of less than 100,000 people (hereinafter ó the "towns" of the region strata) and administrative districts in rural areas (hereinafter ó the "districts" of the region strata).

Thus, 52 strata have been formed in urban settlements (according to the number of regions and with allowance for lack of a "towns" stratum in Kyiv and Sevastopol municipalities), and 490 strata have been formed in rural areas (according to the number of rural areas). The size of the sample is distributed between the strata according to their size (population of a stratum) and the need to ensure a certain level of reliability of key indicators<sup>1</sup>.

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<sup>1</sup> Methods of generating sampling frames for conducting sample surveys of population (households) in 2014-2018: living conditions of households, economic activity of population and agricultural activities of the population in rural areas. - K: State Statistics Service, 2013, in Ukrainian.



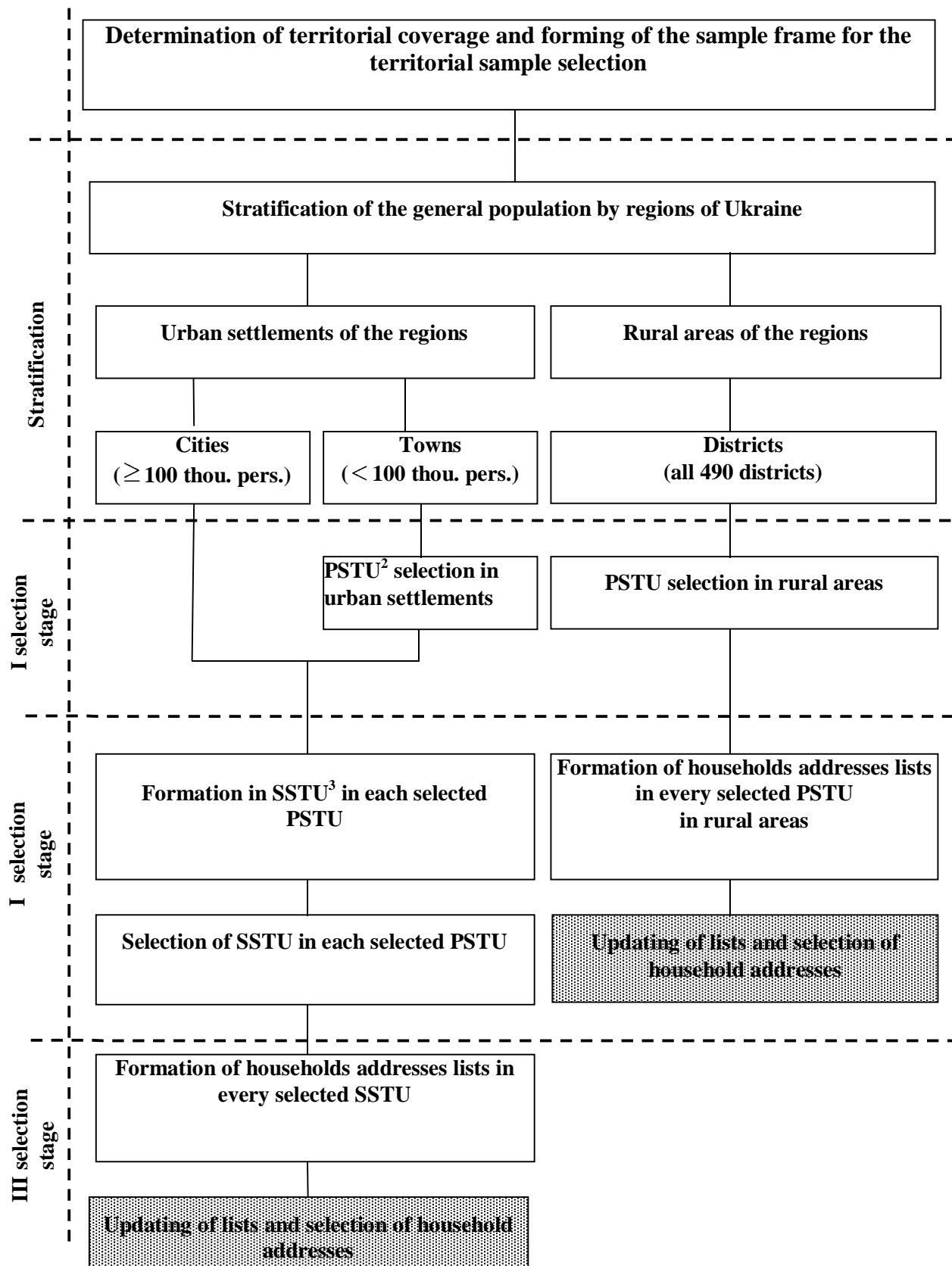


Fig. 1. Formation of the sample for base sample surveys of population (households) in 2014-2018. Note. Marked in grey are stages of sample generation implemented annually; marked in white are stages implemented once for the entire validity period of an area sample, i.e. from 2014 to 2018 inclusive.

<sup>2</sup> PSTUs are primary sample territorial unit: in urban settlements - cities and urban-type settlements, in rural areas - village councils.

<sup>3</sup> SSTUs are secondary sample territorial unit: in urban settlements - quarter (part of quarter, group of quarters) which are formed by preparatory All-Ukrainian population census "Compilation of quarterly lists of houses and other residential buildings in large urban areas and rural towns and villages listings for All-Ukrainian population census 2012".

## 1.1 Generation and selection of primary sample territorial unit

This stage of sample generation involves selection of city and town councils in urban settlements and village councils in rural areas. Selected territorial units of the first stage are primary sample territorial units.

In urban settlements, generation of a sampling frame and selection of PSTU goes separately within each "city" and "town" stratum of the region. Cities, urban-type settlements, city and village councils are accepted as territorial units. PSTU within the "city" strata are selected with probability 1, i.e. the sample includes all cities and city councils without selection, whereas within the "town" strata they are selected based on a random sampling mechanism with probability proportional to the size of amount of a PSTU population. Territorial units in the "town" strata are arranged on the basis of their size. This increases the representativity of an area sample in terms of representation of towns of different sizes.

A number of interviewers and a sample size are identified along with PSTU selection.

The terms of conducting surveys stipulate that one interviewer shall examine every PSTU of a "town" stratum.

In rural areas, generation of a sampling frame and selection of PSTU is carried out within each "district" stratum generated in the rural areas of the regions. Separate village councils or groups of village councils formed with due regard for exceeding a set minimum total number of households are accepted as PSTU.

PSTU in the rural areas are selected within each stratum based on a random sampling mechanism with probability proportional to the size of a number of households in a PSTU. The PSTU for conducting the EAP survey in the rural areas are selected one of every three the PSTU selected for a survey of agricultural activity of the population (SAAP) excluding PSTU formed of the rural population, subordinated city (settlement) district councils value.

## 1.2 Generation and selection of secondary sample territorial units

Generation and selection of secondary sample territorial units (SSTU) is the second stage of the procedure of generation of a household sampling frame in urban settlements. Generation and selection of SSTU are selected at the regional level within each selected urban settlements in PSTU once the entire duration of the territorial sample.

The basis for SSTU generation in urban settlements is the preparatory materials all-Ukrainian population census "Compilation of quarterly lists of houses and other residential buildings in large urban areas and rural towns and villages listings for all-Ukrainian population census 2012" as the most complete and topical (as close as possible in time to the moment of formation of territorial sample) source of information.

Selection of SSTU is based on a random sampling mechanism with probability proportional to the size (the number of population). For interviewer surveys in urban area selected two territorial units.

The distribution of the total number of SSTU in urban settlements and of PSTU in rural areas for conducting the EAP survey in 2014-2018 is shown in Table 1.

Table 1

**Distribution of the total number of selected territorial units for conducting  
the EAP survey by the regions in 2014-2018**

	Total SSTU in urban settlements	including in		Total PSTU in rural areas
		cities	towns	
<b>Ukraine</b>	<b>782</b>	<b>438</b>	<b>344</b>	<b>579</b>
Autonomous Republic of Crimea	26	16	10	17
<b>oblasts</b>				
Vinnitsia	24	10	14	31
Volyn	20	6	14	19
Dnipropetrovsk	52	40	12	23
Donetsk	66	38	28	22
Zhytomyr	22	8	14	25
Zakarpattia	18	6	12	19
Zaporizhia	34	20	14	25
Ivano-Frankivsk	18	6	12	19
Kyiv	36	6	30	27
Kirovohrad	26	12	14	23
Luhansk	42	22	20	21
Lviv	32	14	18	29
Mykolaiv	30	18	12	21
Odesa	34	24	10	30
Poltava	22	16	6	28
Rivne	16	8	8	19
Sumy	22	8	14	20
Ternopil	12	6	6	21
Kharkiv	44	26	18	29
Kherson	28	12	16	29
Khmelnysk	20	8	12	21
Cherkasy	26	14	12	21
Chernivtsi	14	8	6	15
Chernihiv	20	8	12	25
City of Kyiv (city council)	60	60		
City of Sevastopol (city council)	18	18		

### 1.3 Selection of households

The last stage of sample generation provides for selection of households. For this purpose a sampling frame ó a specially arranged full list of household addresses (updated lists of residents or lists according to House Registers) is created for each SSTU in urban settlements and on each PSTU in rural areas. Households are selected from the sampling frame through a systematic sampling procedure, and at the same time rotation groups are created in accordance with a household rotation pattern in the sample.

### 2. Rotation of the households in the sample

The use of a household rotation pattern in the sample makes it possible to improve the reliability of comparisons of indicators in movement, which ensures updating of a sampling frame for each observation period and at the same time makes it possible to keep a certain part of it unchanged.

According to the existing rotation pattern (Fig. 2) each selected household is surveyed for a total of 6 periods: during three consecutive months followed, by a nine-month break, and then it is interviewed for another three months. Thus, the household stays in the sample for 15 months but is interviewed only 6 times.

		<i>Months</i>											
		01	02	03	04	05	06	07	08	09	10	11	12
Rotation group	25												
	26	26											
	27	27	27										
		28	28	28									
			29	29	29								
				30	30	30							
					31	31	31						
						32	32	32					
							33	33	33				
								34	34	34			
									35	35	35		
										36	36	36	
											37	37	
												38	
		37											
		38	38										
		39	39	39									
			40	40	40								
				41	41	41							
					42	42	42						
						43	43	43					
							44	44	44				
								45	45	45			
									46	46	46		
										47	47	47	
											48	48	48
												49	49
													50

Fig. 2. Household rotation pattern of the 2016 sampling frame

### 3. Grossing up of survey results to the general population

Grossing up of selective data obtained from the answers of respondents aged 15-70 to the general population of the entire population of Ukraine of specified age, is the basis for calculation of the indicators of economic activity, employment and unemployment that are obtained from the EAP survey results. For this purpose, based on the provisions of "The Methods of Calculation of Statistical Weights For Application of Results of Sample Survey of Population (Households) Regarding Their Economic Activity to the General Population", approved by Order No. 520 of the State Statistics Committee of Ukraine of 14.11.2006, we develop a system of statistical weights which are designed primarily to account for the following:

- ó household selection probabilities;
- ó actual levels of refusals of households and individuals from participating in the survey;
- ó harmonization of survey results with the demographic statistics data regarding the number and the gender and age structure of the population etc.

The final weight for the  $r$ -th person is calculated as the product of the base weight of a household and the corresponding weighting coefficients (reweighting coefficients) by the formula:

$$w_r = w_{B_r} \cdot k_{1r} \cdot \dots \cdot k_{nr}, \quad (1)$$

where  $w_r$  is the ultimate weight of a person and  $w_{B_r}$  is the base weight of a household a person is a member of;

$k_{1r}, \dots, k_{nr}$  are weighting coefficients;  $n$  is a number of stages of adjusting statistical weights.

The system of weighting coefficients has to be as detailed as possible in order to reflect effects of various factors on the ultimate weights of persons.

#### 3.1 Finding a base weight

In a household probability sample, each household of the general population has a certain general probability  $p_i$  to be included to the sample. In other words, this household represents  $1/p_i$  of the general population households and, hence, it has to be calculated  $1/p_i$  times. The value  $1/p_i$  is a base weight of a household for applying the data to the general population:

$$w_{Bi} = w_{B_r} = 1/p_i. \quad (2)$$

The sample design implemented in the survey stipulates the use of the following components for designing base weights:

- ó PSTU selection probability ó  $P_{1i}$ ;
- ó probability of selecting SSTU among urban settlements or selecting households in a rural area ó  $P_{2i}$ ;
- ó probability of selecting households within a SSTU in urban settlements ó  $P_{3i}$ .

The reciprocal variable of the product of these three probabilities for an urban area or of two probabilities for a rural area will be the base weight of a household.

In a general case of a three-stage sample, this condition can be expressed by the following formula:

$$w_{Bi} = w_{B_r} = \frac{1}{(P_{1i} \cdot P_{2i} \cdot P_{3i})}, \quad (3)$$

In the process of generating a sampling frame of households for monthly surveys in 2016 the average share of household selection was  $1/862$ , i.e. one household of the sample represented an average of 862 households of the general population.

### 3.2 Accounting for household non-response

A special system of cells is created to account for household non-responses. The system of cells is a system of attributes to be used for grouping the units of general population and (or) a sampling frame. The main tasks, which are fulfilled by creation of cells, are accounting for peculiarities of the geographical coverage of a sample in the process of adjusting the statistical weights of households and securing a certain number of households in each cell.

Creation of a system of cells in the EAP survey involves the use of the following classification variables:

ó region - 27 discrete values (the Autonomous Republic of Crimea, 24 oblasts of Ukraine, cities of Kyiv and Sevastopol);

ó type of area ó 2 discrete values (urban settlements, rural areas).

Besides, it accounts for the degree of territorial proximity groups of households, which are included in a particular cell.

The above information is used for construction of cells by merging separate geographical units according to a special pattern: SSTU in urban areas corresponding to PSTU in rural areas.

The established minimum number of households, which were surveyed in each cell, is equal to 50. A cell with a number of surveyed households smaller than the established value is merged with another (adjacent) cell belonging to the same administrative unit. Thus, an individual system of cells is created for each survey in order to adjust the statistical weights of households.

The total number of households in cell  $n_l$  is determined based on the results of selection of households in geographical units. Non-residential premises, locked rooms and non-existent addresses are excluded from the total number of households in the cell.

The non-response factor is calculated for each  $l$  cell by the formula:

$$k_l = k_{1r} = \frac{\sum_{i=1}^n w_{Bi} \cdot \lambda_{li}}{\sum_{i=1}^n w_{Bi} \cdot \lambda_{li} \cdot \eta_{li}}, \quad (4)$$

$$\text{where } \lambda_{li} = \begin{cases} 1, & \text{if } i \in M_l; \\ 0, & \text{if } i \notin M_l; \end{cases}$$

$M_l$  ó a household set of  $l$  cell;

$$\eta_{li} = \begin{cases} 1, & \text{if a household took part in a survey} \\ 0, & \text{if a household refused to take part in a survey} \end{cases}$$

The refusal factor values  $k_{2r}$  are the same within each cell.

The weights of households with account for household non-response  $w_{li}$  are calculated by the following formula:

$$w_{li} = w_{Bi} \cdot k_{1r}. \quad (5)$$

### 3.3 Accounting for non-response of persons

A special system of cells is created based on the aggregate of households surveyed to account for refusals of persons to be surveyed.

The cell code is defined similarly to the cell code for accounting for household non-responses to be surveyed.

The total number of persons in cell  $n_p$  is determined based on the results of the interviews for the current month. The non-response factor  $k_{2r}$  is calculated for each cell  $p$  by the formula:

$$k_p = k_{2r} = \frac{\sum_{i=1}^n w_{li} \cdot \lambda_{pi}}{\sum_{i=1}^n w_{li} \cdot \lambda_{pi} \cdot \eta_{pi}}, \quad (6)$$

where

$$\lambda_{pr} = \begin{cases} 1, & \text{if } p \in M_p; \\ 0, & \text{if } p \notin M_p; \end{cases}$$

$M_p$  is a set of persons of cell  $p$ ;

$$\eta_{li} = \begin{cases} 1, & \text{if a household took part in a survey} \\ 0, & \text{if a household refused to take part in a survey} \end{cases}$$

The non-response factor values  $k_{2r}$  are the same within each cell.

The weights of persons with account for their non-response to be surveyed  $w_{2r}$  are calculated by the following formula:

$$w_{2r} = w_{1i} \cdot k_{2r} \quad (7)$$

### 3.4 Elimination of post-stratification effects

To eliminate the post-stratification effects, a system of cells can be created based on the following classification variables:

ó region ó 27 discrete values (the Autonomous Republic of Crimea, 24 regions, cities of Kyiv and Sevastopol);

ó type of area ó 2 discrete values (urban settlements, rural areas);

ó respondent gender ó 2 discrete values (women, men);

ó respondent age group ó 11 discrete values (15-19 years old, 20-24 years old, 25-29 years old, 30-34 years old, 35-39 years old, 40-44 years old, 45-49 years old, 50-55 years old, 56-59 years old, 60-64 years old, 65-70 years old).

For this purpose, the cell code is calculated by the following formula:

$c_q = \text{a region attribute} * 1000 + \text{an area type attribute} * 100 + \text{a gender attribute} * 10 + \text{an age group attribute}$ .

The total number of persons in cell  $n_q$  is determined by the results of the survey for the current month.

The total number of persons of the general population cell  $N_q$  is determined once a year according to the demographic statistics as of January 1 of the current year.

The factors for elimination of post-stratification effects  $k_{3r}$  are calculated for each cell  $q$  by the following formula:

$$k_q = k_{3r} = \frac{N_q}{\sum_r w_{2r} \cdot \lambda_{qr}}, \quad (8)$$

$$\text{where } \lambda_{qr} = \begin{cases} 1, & \text{if } q \in M_q; \\ 0, & \text{if } q \notin M_q; \end{cases}$$

$M_q$  is a set of persons of cell  $q$ .

The non-response factor values  $k_{3r}$  are the same within each cell. The weights of persons after elimination of post-stratification effects  $w_{3r}$  are calculated by the following formula:

$$w_{3r} = w_{2r} \cdot k_{3r} \quad (9)$$

The ultimate weights of persons  $w_r$  equal  $w_{3r}$ .

## 4. Assessment of the sample quality

Since stratification of the sample was based on the type of area, assessment of the sample quality involved the use of the data about the sex and age structure of the population aged 15-70. The comparative data are presented in Table 2.

Table 2

**Comparison of sex and age structure of persons aged 15-70 according to the demographic statistics as of 01.01.2016 and the EAP survey results (unweight)**

Age groups	Both sexes			Women			Men		
	Survey results	Demographic statistics	Bias (perc. points)	Survey results	Demographic statistics	Bias (perc. points)	Survey results	Demographic statistics	Bias (perc. points)
Population aged 15-70 including by age group:	100.0	100.0	0.0	100.0	100.0	0.0	100.0	100.0	0.0
15-19 years	5.6	6.4	-0.8	5.0	5.9	-0.9	6.4	6.9	-0.5
20-24 years	5.2	8.3	-3.1	4.7	7.7	-3.0	5.7	9.0	-3.3
25-29 years	6.9	10.7	-3.8	6.7	9.9	-3.2	7.1	11.5	-4.4
30-34 years	8.2	11.1	-2.9	8.0	10.4	-2.4	8.6	11.9	-3.3
35-39 years	8.9	10.0	-1.1	8.8	9.6	-0.8	9.0	10.4	-1.4
40-44 years	9.6	9.6	0.0	9.4	9.4	0.0	9.7	9.9	-0.2
45-49 years	9.9	8.9	1.0	9.6	8.9	0.7	10.3	9.0	1.3
50-54 years	10.8	9.5	1.3	10.7	9.8	0.9	11.0	9.2	1.8
55-59 years	11.5	9.7	1.8	11.9	10.4	1.5	11.1	9.0	2.1
60-64 years	11.5	8.3	3.2	12.0	9.2	2.8	10.7	7.1	3.6
65-70 years	11.9	7.5	4.4	13.2	8.8	4.4	10.4	6.1	4.3

The data in Table 2 indicate that the sample reflects adequately the gender-age structure of the population. The largest deviation is 4.4 percentage points for population aged 65-70, women aged 65-70 and men aged 25-29.

### 5. Methodological clarifications on data quality assessment

For assessment of the quality of the indicators based on the data of the EAN survey, a sample error value indicator is used. It defines the limits of confidence intervals of possible values of the indicator according to the survey results. The estimate of an index for which a sample error value is considerable as compared with the value of the estimate per se, cannot be used in the analysis of survey results.

A sampling error (*SE*) is calculated as a standard error according to the following formula:

$$SE = \sqrt{\frac{\sigma^2}{n}}, \quad (10)$$

where  $\sigma^2$  is a variance, which describes the indicator values variation on sample units;  
 $n$  ó sample size.

Value  $\sigma^2$  is calculated by the following complex design formula for a sample:

$$\sigma^2 = deff \times \frac{\sum_{i=1}^{i=n} (y_i - \bar{y})^2}{n}, \quad (11)$$

where  $y$  is an attribute value for a household  $i$ ;

$\bar{y}$  is a mean attribute value for a sampling frame;

*deff* is a parameter reflecting the effect of a sample design on the attribute variance value (a design effect).

To determine the variances, standard errors and design effect values for samples with complex design special calculation methods are used.

The quality of sample surveys data is characterized by the error limit of the sample *LSE* and the coefficient of variation *CV*.



The value of an error limit of the sample *LSE* determines the confidence interval limits for the indicator estimate and is calculated by the following formula:

$$LSE = t \cdot SE, \quad (12)$$

where *t* is a confidence number, which determines the ratio between a limit and a standard error at a given probability (*p* is a probability that the sampling error for assessing the value shall not exceed *LSE*).

Error limit of the sample is used to construct confidence limits estimates (bounds of confidence intervals). For example,

$$\bar{y}_L = \bar{y} - LSE; \bar{y}_R = \bar{y} + LSE, \quad (13)$$

where  $\bar{y}_L$  is the lower confidence limit of the interval estimation of a mean value;

$\bar{y}_R$  is the upper confidence limit of the interval estimation of a mean value.

The coefficient of variation *CV* is calculated by the following formula:

$$CV = \frac{SE}{\bar{y}} \times 100 (\%), \quad (14)$$

The coefficient of variation is used as an indicator of data suitability for analysis. If  $CV \leq 5\%$ , the estimate is regarded reliable; if  $5\% < CV \leq 10\%$ , the estimate is suitable for a quantitative analysis but its reliability is not high enough; if  $10\% < CV \leq 25\%$ , the estimate is suitable only for a qualitative analysis and should be used with discretion, if  $25\% < CV \leq 50\%$ , the estimate is regarded unreliable, if *CV* is more than 50%, the information cannot be published due to its unsuitability for use.

## **6. Characteristics of reliability of key indicators of economic activity of population obtained on the basis of the EAN survey in 2016**

Annexes 1.1-4.5 give the values of reliability characteristic (standard sample error, boundary sample error and variation coefficient) to estimate the absolute and relative average annual and quarterly indicators of economic activity of the population, employment, unemployment and economic inactivity by sex, type of area, age group, education level across Ukraine and by region.

The presented data reveal that the derived estimates of indicators are sufficiently reliable both for Ukraine as a whole and the mentioned breakdowns. Thus, the variation coefficient to estimate the number of economically active population on average for 2016 was 1.0%, this shows the high reliability of the obtained data (annex 1.1). Herewith, the largest value of this indicator was observed among the rural population (2.4%). Data on the number of economically active population average for a quarter are also sufficiently reliable (the variation coefficient ranges from 1.1% to 2.8%). The value of the boundary error for this indicator was 335.1 thousand persons. This implies that with the 0.95 probability, the estimate of the number of economically active population on average for 2016 falls inside the limits of 17 955.1 thousand persons +/- 335.1 thousand persons, i.e. within the interval of 17 620.0 - 18 290.2 thousand persons.

The estimates of the number of the employed and economically inactive population on average for the year have a rather high reliability level (the variation coefficient is within 1.0% and 2.7% accordingly). The reliability of these indicators in rural areas was lower as compared to urban areas where the variation coefficient accounted for 2.3% and 2.7% accordingly. The estimate of the number of the unemployed population across Ukraine (annex 3.1) is also sufficiently reliable. Thus, on average for 2016 the variation coefficient made up 2.4% while by quarters it ranged from 3.7% to 9.1%.

On a whole, similar are the results regarding the reliability of estimates of relative indicators: population economic activity rate (annex 1.2), population employment rate (annex 2.2), unemployment rate (annex 3.2) and population economic inactivity rate (annex 4.2). Herewith, for

economic activity rate and employment rate the variation coefficient are lower than for the corresponding quantitative values.

The reliability to estimate unemployment rate is almost the same as for the number of the unemployed. The largest value of the variation coefficient for this indicator is 8.5% in QII in rural areas and in QIII for women.

The estimates of relative indicators by age group: population economic activity rate (annex 1.3), population employment rate (annex 2.3) and population economic inactivity rate (annex 4.3) reveal that for the most age groups they have the rather high reliability (the value of the variation coefficient does not exceed 5.0%).

The variation coefficient for unemployment rate (annex 3.3) for six age groups ranged from 3.8% to 8.4%. At the same time, the estimate of the mentioned indicator for the age group 60-70 year old is not sufficiently reliable (the variation coefficient made up 45.3%), this allows using it only for the qualitative analysis.

The quality estimates of the mentioned indicators by education level reveal that for the population groups small in numbers the lower reliability level of relative indicators was observed than for those mostly represented in the sample. The sufficiently high reliability level (the variation coefficient did not exceed 4.3%) is characteristic of the estimates of indicators of economic activity rate (annex 1.4), employment rate (annex 2.4) and population economic inactivity rate (annex 4.4) by most education levels excluding selected indicators calculated for the persons with primary general education or those that do not have any education at all. Thus, for the estimates of population economic activity rate and employment rate of the population with primary general education or without any education, the value of the variation coefficient was 19.5% and 18.9% accordingly. This permits to use the mentioned indicators only for the qualitative analysis. Herewith, for population economic inactivity rate by this education the variation coefficient equaled 1.3%, i.e. its reliability was rather high.

As to the estimates of population unemployment rate by education (annex 3.4), for the persons with vocational training the variation coefficient was 5.1% while for those who had the incomplete tertiary, complete secondary and complete tertiary education it did not exceed 10%. This means that the indicator for education level have sufficiently reliability and are suitable for the quantitative and qualitative analysis. Population unemployment rate as for the persons with base secondary education (17.2%) and base tertiary education (21.7%), can be used only for the qualitative analysis. However, the completely unsuitable to estimate this indicator for persons who had primary general education or did not have any education at all (56.6%).

The estimates of indicators for regional level are less reliable on a whole than across Ukraine. This is explained firstly by smaller sample size for every selected region.

Thus, for economic activity rate, employment rate and economic inactivity rate, the accuracy of the obtained estimates by region is satisfactory since the variation coefficient for these indicators does not exceed 9.1% (annexes 1.5, 2.5, 4.5). At the same time, the ambiguity was observed for reliability of indicator of population unemployment rate by region (annex 3.5). Thus, for five regions the variation coefficient for this indicator in 2016 did not exceed 10% for ten regions it was within the limits of 10%-15% and for another ten regions it exceed 15%.

**Reliability estimates of number of economically active population aged 15-70  
by sex and place of residence, 2016**

	Economically active population aged 15-70, thsd. prs.	Standard error of sample (SE), thsd. prs	Error limit of sample, (LSE), thsd. prs	Coefficient of variation (CV), %
<b>I quarterly</b>				
Total	<b>17,822.2</b>	<b>197.0</b>	<b>386.2</b>	<b>1.1</b>
Women	8,430.7	110.0	215.5	1.3
Men	9,391.5	128.0	250.9	1.4
Urban settlements	12,276.1	166.3	326.0	1.4
Rural areas	5,546.1	142.3	278.9	2.6
<b>II quarterly</b>				
Total	<b>18,039.5</b>	<b>203.4</b>	<b>398.8</b>	<b>1.1</b>
Women	8,476.0	126.7	248.3	1.5
Men	9,563.5	123.4	241.8	1.3
Urban settlements	12,336.6	161.8	317.1	1.3
Rural areas	5,702.9	142.9	280.1	2.5
<b>III quarterly</b>				
Total	<b>18,127.8</b>	<b>205.6</b>	<b>403.0</b>	<b>1.1</b>
Women	8,574.1	127.1	249.2	1.5
Men	9,553.7	157.3	308.3	1.6
Urban settlements	12,363.0	161.7	316.8	1.3
Rural areas	5,764.8	159.8	313.2	2.8
<b>IV quarterly</b>				
Total	<b>17,830.9</b>	<b>230.8</b>	<b>452.3</b>	<b>1.3</b>
Women	8,436.9	117.1	229.6	1.4
Men	9,394.0	140.0	274.3	1.5
Urban settlements	12,249.9	188.5	369.4	1.5
Rural areas	5,581.0	147.3	288.7	2.6
<b>Average per year</b>				
Total	<b>17,955.1</b>	<b>171.0</b>	<b>335.1</b>	<b>1.0</b>
Women	8,479.4	91.3	178.9	1.1
Men	9,475.7	109.0	213.6	1.1
Urban settlements	12,306.4	135.6	265.7	1.1
Rural areas	5,648.7	133.8	262.3	2.4

**Reliability estimates of economic activity rate of population aged 15-70  
by sex and place of residence, 2016**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>61.7</b>	<b>0.5</b>	<b>1.0</b>	<b>0.8</b>
Women	55.6	0.5	1.0	0.9
Men	68.5	0.6	1.2	0.9
Urban settlements	62.6	0.6	1.2	0.9
Rural areas	59.7	0.8	1.5	1.3
<b>II quarterly</b>				
<b>Total</b>	<b>62.4</b>	<b>0.5</b>	<b>1.0</b>	<b>0.8</b>
Women	55.9	0.5	1.0	1.0
Men	69.7	0.7	1.3	0.9
Urban settlements	62.9	0.6	1.3	1.0
Rural areas	61.4	0.7	1.4	1.2
<b>III quarterly</b>				
<b>Total</b>	<b>62.7</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
Women	56.5	0.5	0.9	0.8
Men	69.6	0.6	1.1	0.8
Urban settlements	63.1	0.5	1.1	0.9
Rural areas	62.1	0.7	1.4	1.2
<b>IV quarterly</b>				
<b>Total</b>	<b>61.7</b>	<b>0.5</b>	<b>1.1</b>	<b>0.9</b>
Women	55.6	0.5	1.1	1.0
Men	68.5	0.7	1.3	1.0
Urban settlements	62.5	0.7	1.4	1.2
Rural areas	60.1	0.6	1.1	0.9
<b>Average per year</b>				
<b>Total</b>	<b>62.2</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
Women	55.9	0.4	0.8	0.7
Men	69.1	0.5	1.0	0.8
Urban settlements	62.8	0.6	1.1	0.9
Rural areas	60.9	0.6	1.1	0.9

**Reliability estimates of economic activity rate of population aged 15-70  
by age group, 2016**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>62.2</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
by age group				
15-24 years	35.1	1.6	3.2	4.6
25-29 years	79.0	0.6	1.2	0.8
30-34 years	82.0	0.4	0.8	0.5
35-39 years	85.2	0.4	0.7	0.4
40-49 years	84.7	0.3	0.6	0.4
50-59 years	67.3	0.5	1.0	0.7
60-70 years	14.3	0.5	0.9	3.3
Working age	71.1	0.6	1.2	0.9
Over working age	14.3	0.5	0.9	3.3

**Reliability estimates of economic activity rate of population aged 15-70  
by level of education, 2016**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>62.2</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
by level of education				
complete higher	76.9	0.3	0.5	0.4
basic higher	54.5	2.4	4.6	4.3
uncompleted higher	67.6	0.5	0.9	0.7
vocational	70.4	0.4	0.7	0.5
complete secondary	47.2	1.0	2.0	2.2
basic secondary	19.9	0.8	1.6	4.2
primary education or not educated	6.1	1.2	2.3	19.5

**Reliability estimates of economic activity rate of population aged 15-70  
by region, 2016**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Ukraine</b>	<b>62.2</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
Vinnytsia	62.8	1.3	2.5	2.0
Volyn	57.7	2.1	4.2	3.7
Dnipropetrovsk	64.1	1.6	3.1	2.4
Donetsk	58.3	1.4	2.7	2.4
Zhytomyr	63.0	1.1	2.2	1.8
Zakarpattia	60.9	3.0	5.8	4.8
Zaporizhia	62.2	1.2	2.4	2.0
Ivano-Frankivsk	60.0	1.5	3.0	2.5
Kyiv	62.0	1.1	2.1	1.7
Kirovohrad	60.4	1.8	3.5	3.0
Luhansk	66.2	2.3	4.4	3.4
Lviv	60.6	1.1	2.1	1.8
Mykolaiv	63.6	1.8	3.5	2.8
Odesa	60.8	1.6	3.1	2.6
Poltava	61.0	1.5	3.0	2.5
Rivne	63.6	1.2	2.3	1.9
Sumy	62.6	1.0	2.0	1.6
Ternopil	58.7	2.4	4.6	4.0
Kharkiv	63.8	2.0	4.0	3.2
Kherson	62.8	1.3	2.6	2.1
Khmelnysk	59.5	1.7	3.4	2.9
Cherkasy	62.7	1.5	3.0	2.4
Chernivtsi	61.5	1.4	2.8	2.3
Chernihiv	62.6	1.7	3.4	2.8
Kyiv city	66.7	3.0	6.0	4.6

**Reliability estimates of number of employed population aged 15-70  
by sex and place of residence, 2016**

	Employed population aged 15-70, thsd. prs.	Standard error of sample (SE), thsd. prs.	Error limit of sample (LSE), thsd. prs.	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>16,054.8</b>	<b>176.3</b>	<b>345.5</b>	<b>1.1</b>
Women	7,777.5	91.9	180.2	1.2
Men	8,277.3	115.8	226.9	1.4
Urban settlements	11,138.1	155.1	304.0	1.4
Rural areas	4,916.7	117.8	230.9	2.4
<b>II quarterly</b>				
<b>Total</b>	<b>16,423.9</b>	<b>187.2</b>	<b>366.9</b>	<b>1.1</b>
Women	7,859.0	114.3	224.0	1.5
Men	8,564.9	109.5	214.7	1.3
Urban settlements	11,258.1	152.2	298.3	1.4
Rural areas	5,165.8	131.6	257.9	2.5
<b>III quarterly</b>				
<b>Total</b>	<b>16,524.2</b>	<b>198.4</b>	<b>388.9</b>	<b>1.2</b>
Women	7,919.1	112.2	219.9	1.4
Men	8,605.1	141.4	277.2	1.6
Urban settlements	11,238.9	152.8	299.5	1.4
Rural areas	5,285.3	148.1	290.3	2.8
<b>IV quarterly</b>				
<b>Total</b>	<b>16,104.7</b>	<b>190.6</b>	<b>373.5</b>	<b>1.2</b>
Women	7,753.9	107.6	210.8	1.4
Men	8,350.8	107.3	210.3	1.3
Urban settlements	11,078.8	158.9	311.5	1.4
Rural areas	5,025.9	128.9	252.7	2.6
<b>Average per year</b>				
<b>Total</b>	<b>16,276.9</b>	<b>159.3</b>	<b>312.2</b>	<b>1.0</b>
Women	7,827.4	85.7	167.9	1.1
Men	8,449.5	97.0	190.0	1.1
Urban settlements	11,178.5	132.1	258.9	1.2
Rural areas	5,098.4	117.7	230.7	2.3

**Reliability estimates of employment rate of population aged 15-70  
by sex and place of residence, 2016**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>55.6</b>	<b>0.5</b>	<b>0.9</b>	<b>0.9</b>
Women	51.3	0.5	0.9	0.9
Men	60.3	0.7	1.3	1.1
Urban settlements	56.8	0.6	1.2	1.0
Rural areas	53.0	0.7	1.4	1.3
<b>II quarterly</b>				
<b>Total</b>	<b>56.9</b>	<b>0.5</b>	<b>1.0</b>	<b>0.9</b>
Women	51.8	0.6	1.1	1.1
Men	62.4	0.7	1.4	1.1
Urban settlements	57.4	0.6	1.2	1.0
Rural areas	55.7	1.0	2.0	1.8
<b>III quarterly</b>				
<b>Total</b>	<b>57.2</b>	<b>0.5</b>	<b>0.9</b>	<b>0.8</b>
Women	52.2	0.5	1.0	1.0
Men	62.7	0.6	1.1	0.9
Urban settlements	57.3	0.6	1.1	1.0
Rural areas	56.9	0.9	1.7	1.5
<b>IV quarterly</b>				
<b>Total</b>	<b>55.7</b>	<b>0.5</b>	<b>0.9</b>	<b>0.8</b>
Women	51.1	0.5	1.0	1.0
Men	60.9	0.6	1.2	1.0
Urban settlements	56.5	0.6	1.2	1.1
Rural areas	54.1	0.6	1.2	1.1
<b>Average per year</b>				
<b>Total</b>	<b>56.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
Women	51.6	0.4	0.8	0.8
Men	61.6	0.5	1.0	0.8
Urban settlements	57.0	0.5	1.0	0.9
Rural areas	54.9	0.6	1.3	1.2



**Reliability estimates of employment rate of population aged 15-70  
by age group, 2016**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>56.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
by age group				
15-24 years	27.0	1.3	2.6	4.8
25-29 years	69.8	0.8	1.5	1.1
30-34 years	74.7	0.6	1.2	0.8
35-39 years	78.4	0.6	1.1	0.7
40-49 years	78.2	0.4	0.8	0.5
50-59 years	62.4	0.5	0.9	0.8
60-70 years	14.3	0.5	0.9	3.3
Working age	64.2	0.6	1.1	0.9
Over working age	14.3	0.5	0.9	3.3

**Reliability estimates of employment rate of population aged 15-70  
by level of education, 2016**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>56.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
by level of education				
complete higher	70.8	0.3	0.6	0.4
basic higher	46.2	2.2	4.4	4.8
uncompleted higher	62.2	0.5	1.0	0.8
vocational	62.9	0.5	1.0	0.8
complete secondary	42.1	1.1	2.1	2.5
basic secondary	18.3	0.8	1.6	4.4
primary education or not educated	4.9	0.9	1.8	18.9

**Reliability estimates of employment rate of population aged 15-70  
by region, 2016**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Ukraine</b>	<b>56.3</b>	<b>0.4</b>	<b>0.8</b>	<b>0.7</b>
Vinnytsia	56.6	1.5	2.8	2.6
Volyn	51.0	2.2	4.3	4.3
Dnipropetrovsk	59.1	1.6	3.1	2.7
Donetsk	50.0	1.5	3.0	3.1
Zhytomyr	55.9	1.1	2.1	1.9
Zakarpattia	54.8	4.3	8.4	7.9
Zaporizhia	56.0	1.2	2.3	2.1
Ivano-Frankivsk	54.7	1.3	2.6	2.4
Kyiv	57.8	1.4	2.7	2.4
Kirovohrad	52.9	1.4	2.7	2.6
Luhansk	55.6	2.7	5.2	4.8
Lviv	55.9	1.1	2.1	2.0
Mykolaiv	57.5	2.2	4.3	3.8
Odesa	56.7	1.5	2.9	2.6
Poltava	53.3	1.2	2.4	2.3
Rivne	56.9	1.0	1.9	1.7
Sumy	56.8	1.1	2.2	1.9
Ternopil	52.0	2.3	4.5	4.4
Kharkiv	59.7	2.3	4.4	3.8
Kherson	55.8	1.2	2.4	2.2
Khmelnysk	53.9	1.5	2.9	2.7
Cherkasy	56.2	1.5	2.9	2.7
Chernivtsi	56.2	1.9	3.7	3.4
Chernihiv	55.6	1.7	3.4	3.1
Kyiv city	62.3	3.0	5.8	4.7

**Reliability estimates of number of unemployed population aged 15-70  
by sex and place of residence, 2016**

	Unemployed population aged 15-70, thsd. prs.	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>1,767.4</b>	<b>66.0</b>	<b>129.4</b>	<b>3.7</b>
Women	653.2	35.2	68.9	5.4
Men	1,114.2	60.8	119.2	5.5
Urban settlements	1,138.0	51.9	101.7	4.6
Rural areas	629.4	43.0	84.2	6.8
<b>II quarterly</b>				
<b>Total</b>	<b>1,615.6</b>	<b>74.6</b>	<b>146.2</b>	<b>4.6</b>
Women	617.0	44.4	87.1	7.2
Men	998.6	68.7	134.7	6.9
Urban settlements	1,078.5	53.9	105.6	5.0
Rural areas	537.1	48.8	95.6	9.1
<b>III quarterly</b>				
<b>Total</b>	<b>1,603.6</b>	<b>81.2</b>	<b>159.1</b>	<b>5.1</b>
Women	655.0	59.2	116.1	9.0
Men	948.6	64.2	125.9	6.8
Urban settlements	1,124.1	70.2	137.6	6.2
Rural areas	479.5	41.7	81.7	8.7
<b>IV quarterly</b>				
<b>Total</b>	<b>1,726.2</b>	<b>91.2</b>	<b>178.7</b>	<b>5.3</b>
Women	683.0	52.5	102.9	7.7
Men	1,043.2	70.0	137.3	6.7
Urban settlements	1,171.1	81.1	158.9	6.9
Rural areas	555.1	42.1	82.5	7.6
<b>Average per year</b>				
<b>Total</b>	<b>1,678.2</b>	<b>40.1</b>	<b>78.6</b>	<b>2.4</b>
Women	652.0	28.2	55.2	4.3
Men	1,026.2	40.1	78.6	3.9
Urban settlements	1,127.9	28.1	55.1	2.5
Rural areas	550.3	28.9	56.6	5.2

**Reliability estimates of unemployment rate of population aged 15-70  
by sex and place of residence, 2016**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>9.9</b>	<b>0.3</b>	<b>0.7</b>	<b>3.4</b>
Women	7.7	0.4	0.7	4.7
Men	11.9	0.6	1.2	5.0
Urban settlements	9.3	0.4	0.8	4.2
Rural areas	11.3	0.6	1.2	5.4
<b>II quarterly</b>				
<b>Total</b>	<b>9.0</b>	<b>0.4</b>	<b>0.8</b>	<b>4.3</b>
Women	7.3	0.5	1.0	6.7
Men	10.4	0.7	1.3	6.4
Urban settlements	8.7	0.4	0.8	4.7
Rural areas	9.4	0.8	1.6	8.5
<b>III quarterly</b>				
<b>Total</b>	<b>8.8</b>	<b>0.4</b>	<b>0.8</b>	<b>4.9</b>
Women	7.6	0.6	1.3	8.5
Men	9.9	0.6	1.2	6.3
Urban settlements	9.1	0.5	1.1	5.9
Rural areas	8.3	0.7	1.3	8.1
<b>IV quarterly</b>				
<b>Total</b>	<b>9.7</b>	<b>0.5</b>	<b>0.9</b>	<b>4.6</b>
Women	8.1	0.6	1.1	7.2
Men	11.1	0.7	1.3	5.9
Urban settlements	9.6	0.6	1.2	6.2
Rural areas	9.9	0.6	1.3	6.5
<b>Average per year</b>				
<b>Total</b>	<b>9.3</b>	<b>0.2</b>	<b>0.4</b>	<b>2.2</b>
Women	7.7	0.3	0.6	4.1
Men	10.8	0.4	0.7	3.5
Urban settlements	9.2	0.2	0.4	2.5
Rural areas	9.7	0.4	0.8	4.2

**Reliability estimates of unemployment rate of population aged 15-70  
by age group, 2016**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>9.3</b>	<b>0.2</b>	<b>0.4</b>	<b>2.2</b>
by age group				
15-24 years	23.0	0.9	1.7	3.8
25-29 years	11.7	0.7	1.4	6.2
30-34 years	8.9	0.5	1.0	5.6
35-39 years	8.0	0.7	1.3	8.4
40-49 years	7.7	0.3	0.7	4.4
50-59 years	7.3	0.5	0.9	6.3
60-70 years	0.1	0.0	0.1	45.3
Working age	9.7	0.2	0.4	2.2
Over working age	0.1	0.0	0.1	45.3

**Reliability estimates of unemployment rate of population aged 15-70  
by level of education, 2016**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>9.3</b>	<b>0.2</b>	<b>0.4</b>	<b>2.2</b>
by level of education				
complete higher	8.0	0.4	0.7	4.7
basic higher	15.3	3.3	6.5	21.7
uncompleted higher	8.0	0.5	0.9	5.8
vocational	10.6	0.5	1.1	5.1
complete secondary	10.9	0.6	1.2	5.6
basic secondary	8.0	1.4	2.7	17.2
primary education or not educated	:	:	:	56.6

**Reliability estimates of unemployment rate of population aged 15-70  
by region, 2016**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Ukraine</b>	<b>9.3</b>	<b>0.2</b>	<b>0.4</b>	<b>2.2</b>
Vinnytsia	9.7	1.9	3.7	19.6
Volyn	11.5	1.2	2.4	10.7
Dnipropetrovsk	7.9	0.9	1.8	11.4
Donetsk	14.1	1.3	2.5	9.2
Zhytomyr	11.2	1.5	3.0	13.8
Zakarpattia	10.0	3.2	6.3	32.4
Zaporizhia	10.0	0.8	1.6	8.4
Ivano-Frankivsk	8.8	1.3	2.5	14.4
Kyiv	6.8	1.5	2.9	21.8
Kirovohrad	12.4	1.0	1.9	7.9
Luhansk	16.0	1.7	3.4	10.8
Lviv	7.7	0.9	1.8	11.9
Mykolaiv	9.7	1.8	3.5	18.2
Odesa	6.8	1.4	2.7	20.5
Poltava	12.6	1.2	2.4	9.7
Rivne	10.6	2.1	4.0	19.4
Sumy	9.3	0.9	1.8	9.7
Ternopil	11.5	2.2	4.3	19.2
Kharkiv	6.4	1.7	3.4	27.3
Kherson	11.2	1.4	2.6	12.1
Khmelnysk	9.4	1.5	2.8	15.4
Cherkasy	10.4	1.6	3.0	14.9
Chernivtsi	8.7	2.4	4.6	27.1
Chernihiv	11.3	1.3	2.5	11.4
Kyiv city	6.7	0.7	1.4	11.0

**Reliability estimates of number of economically inactive population aged 15-70  
by sex and place of residence, 2016**

	Economically inactive population aged 15-70, thsd. prs.	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>11,067.0</b>	<b>208.0</b>	<b>407.7</b>	<b>1.9</b>
Women	6,741.4	104.8	205.5	1.6
Men	4,325.6	121.5	238.2	2.8
Urban settlements	7,330.7	183.4	359.4	2.5
Rural areas	3,736.3	94.8	185.8	2.5
<b>II quarterly</b>				
<b>Total</b>	<b>10,849.7</b>	<b>231.2</b>	<b>453.1</b>	<b>2.1</b>
Women	6,696.1	128.0	251.0	1.9
Men	4,153.6	121.5	238.1	2.9
Urban settlements	7,270.2	203.2	398.3	2.8
Rural areas	3,579.5	117.0	229.3	3.3
<b>III quarterly</b>				
<b>Total</b>	<b>10,761.4</b>	<b>204.4</b>	<b>400.7</b>	<b>1.9</b>
Women	6,598.0	119.0	233.3	1.8
Men	4,163.4	108.4	212.4	2.6
Urban settlements	7,243.8	180.5	353.8	2.5
Rural areas	3,517.6	106.6	208.9	3.0
<b>IV quarterly</b>				
<b>Total</b>	<b>11,058.3</b>	<b>216.3</b>	<b>424.0</b>	<b>2.0</b>
Women	6,735.2	116.8	229.0	1.7
Men	4,323.1	118.9	233.0	2.8
Urban settlements	7,356.9	188.7	369.8	2.6
Rural areas	3,701.4	104.8	205.5	2.8
<b>Average per year</b>				
<b>Total</b>	<b>10,934.1</b>	<b>200.8</b>	<b>393.6</b>	<b>1.8</b>
Women	6,692.7	101.6	199.1	1.5
Men	4,241.4	106.8	209.4	2.5
Urban settlements	7,300.4	177.2	347.2	2.4
Rural areas	3,633.7	97.5	191.1	2.7

**Reliability estimates of economic inactivity rate of population aged 15-70  
by sex and place of residence, 2016**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>I quarterly</b>				
<b>Total</b>	<b>38.3</b>	<b>0.5</b>	<b>1.0</b>	<b>1.3</b>
Women	44.4	0.5	1.0	1.1
Men	31.5	0.6	1.2	1.9
Urban settlements	37.4	0.6	1.2	1.6
Rural areas	40.3	0.8	1.5	1.9
<b>II quarterly</b>				
<b>Total</b>	<b>37.6</b>	<b>0.5</b>	<b>1.0</b>	<b>1.3</b>
Women	44.1	0.5	1.0	1.2
Men	30.3	0.7	1.3	2.1
Urban settlements	37.1	0.6	1.3	1.7
Rural areas	38.6	0.7	1.4	1.9
<b>III quarterly</b>				
<b>Total</b>	<b>37.3</b>	<b>0.4</b>	<b>0.8</b>	<b>1.2</b>
Women	43.5	0.5	0.9	1.0
Men	30.4	0.6	1.1	1.9
Urban settlements	36.9	0.5	1.1	1.5
Rural areas	37.9	0.7	1.4	1.9
<b>IV quarterly</b>				
<b>Total</b>	<b>38.3</b>	<b>0.5</b>	<b>1.1</b>	<b>1.4</b>
Women	44.4	0.5	1.1	1.2
Men	31.5	0.7	1.3	2.1
Urban settlements	37.5	0.7	1.4	2.0
Rural areas	39.9	0.6	1.1	1.4
<b>Average per year</b>				
<b>Total</b>	<b>37.8</b>	<b>0.4</b>	<b>0.8</b>	<b>1.1</b>
Women	44.1	0.4	0.8	0.9
Men	30.9	0.5	1.0	1.7
Urban settlements	37.2	0.6	1.1	1.5
Rural areas	39.1	0.6	1.1	1.5



**Reliability estimates of economic inactivity rate of population aged 15-70  
by age group, 2016**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>37.8</b>	<b>0.4</b>	<b>0.8</b>	<b>1.1</b>
by age group				
15-24 years	64.9	1.6	3.2	2.5
25-29 years	21.0	0.6	1.2	3.0
30-34 years	18.0	0.4	0.8	2.3
35-39 years	14.8	0.4	0.7	2.5
40-49 years	15.3	0.3	0.6	2.1
50-59 years	32.7	0.5	1.0	1.5
60-70 years	85.7	0.5	0.9	0.6
Working age	28.9	0.6	1.2	2.1
Over working age	85.7	0.5	0.9	0.6

**Reliability estimates of economic inactivity rate of population aged 15-70  
by level of education, 2016**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Total</b>	<b>37.8</b>	<b>0.4</b>	<b>0.8</b>	<b>1.1</b>
by level of education				
complete higher	23.1	0.3	0.5	1.2
basic higher	45.5	2.4	4.6	5.2
uncompleted higher	32.4	0.5	0.9	1.4
vocational	29.6	0.4	0.7	1.3
complete secondary	52.8	1.0	2.0	1.9
basic secondary	80.1	0.8	1.6	1.0
primary education or not educated	93.9	1.2	2.3	1.3

**Reliability estimates of economic inactivity rate of population aged 15-70  
by region, 2016**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
<b>Ukraine</b>	<b>37.8</b>	<b>0.4</b>	<b>0.8</b>	<b>1.1</b>
Vinnytsia	37.2	1.3	2.5	3.4
Volyn	42.3	2.1	4.2	5.1
Dnipropetrovsk	35.9	1.6	3.1	4.4
Donetsk	41.7	1.4	2.7	3.3
Zhytomyr	37.0	1.1	2.2	3.0
Zakarpattia	39.1	3.0	5.8	7.6
Zaporizhia	37.8	1.2	2.4	3.2
Ivano-Frankivsk	40.0	1.5	3.0	3.8
Kyiv	38.0	1.1	2.1	2.8
Kirovohrad	39.6	1.8	3.5	4.6
Luhansk	33.8	2.3	4.4	6.7
Lviv	39.4	1.1	2.1	2.7
Mykolaiv	36.4	1.8	3.5	4.9
Odesa	39.2	1.6	3.1	4.1
Poltava	39.0	1.5	3.0	3.9
Rivne	36.4	1.2	2.3	3.2
Sumy	37.4	1.0	2.0	2.7
Ternopil	41.3	2.4	4.6	5.7
Kharkiv	36.2	2.0	4.0	5.6
Kherson	37.2	1.3	2.6	3.5
Khmelnysk	40.5	1.7	3.4	4.3
Cherkasy	37.3	1.5	3.0	4.0
Chernivtsi	38.5	1.4	2.8	3.7
Chernihiv	37.4	1.7	3.4	4.6
Kyiv city	33.3	3.0	6.0	9.1

## Statistical and analytical review of labour market in 2016

According to data from population (households) sample survey on issues of economic activity, the average monthly **number of economically active population** aged 15-70 as compared to 2015 decreased by 0.8% and made up 18.0 million persons of which 17.3 million persons (96.4%) were at working age. Out of the mentioned number of persons 16.3 million persons or 90.7% were engaged in economic activity while the rest (1.7 million persons) were classified as unemployed in line with the methodology of International Labour Organization (ILO).

**Economic activity rate of population** aged 15-70 fell from 62.4% in 2015 to 62.2% in 2016.

**The number of the employed population** aged 15-70 in 2016 compared to 2015 was down by 166.3 thousand persons or by 1.0% and accounted for 16.3 million persons of which 15.6 million persons were at working age.

**Employment rate of the population** aged 15-70 decreased over the mentioned period from 56.7% to 56.3% while the employment rate for working age population fell from 64.7% to 64.2%.

The highest rate of this indicator was observed among persons aged 35-49 while the lowest one was characteristic for the young aged 15-24 and persons aged 60-70.

In the composition of the employed population by occupational group, the largest share accounted for the persons who worked in the less-skilled occupations (18.9%), professionals (17.9%) and services and sales workers (16.8%). Moreover, the smallest share among the employed population was comprised by technical employees (3.0%) and the qualified workers of agriculture and forestry, fish-farming and fishing (0.9%).

Among the total number of the employed persons, every five worked for trade, every sixth for agriculture, every seventh for industry.

In the context of market economy, informal employment of the population prevailed and covered all informal work places both in informal and official (formal) sectors of economy.

In 2016, the number of informally employed population reduced by 342.1 thousand persons as compared to the previous year and made up 4.0 million persons or 24.3% of the total employed population.

Among the women, the share of those working in self-employment sector is higher than among the men - 77.5% against 72.1% while in the rural areas it is significantly higher than in urban areas: 92.2% and 44.8% accordingly.

The informal employment is mostly spread among the vulnerable categories of employees: the youth aged 15-24 year old and the persons of pension age.

The informal labour relations prevailed in self-employment sector where the share of the population who worked at informal work places was 74.3% while among those who worked for a wage these persons comprised 15.1%. Moreover, during 2016, in the composition of the employed population there were changes in the employment status among formally and informally employed population. Thus, in 2016 as compared to 2015, the increase in those working for a wage was observed among officially employed population (84.9% against 82.7%) and accordingly there was the decrease in those working not for a wage (25.7% against 26.8). At the same time, the opposite processes occurred among the informally employed population.

In 2016, among the informally employed population the two-thirds (66.2%) were persons who had the vocational and complete secondary education while among the officially employed population the persons with tertiary education (including complete, base and incomplete tertiary education) prevailed (61.2%).

The informally employed are predominantly persons with not high education level and those who are engaged in physical or unqualified labor. In particular, the share of the informally employed population among the employees with the most simple occupations was significantly higher than among the officially employed population (49.0% against 9.2%).

Agriculture, forestry and fishery are the main type of activity for the informally employed population (40.8%). Other widespread types of economic activity of the population are wholesale and retail trade (20.9%), and construction (15.5%).

**The number of the unemployed (by ILO methodology) aged 15-70 in 2016 as compared to 2015 increased by 23.5 thousand persons or by 1.4% and made up 1.7 million persons.**

Among the unemployed the two thirds were residents of urban areas (1.1 million persons), while the rest were the rural residents. The increase in the number of the unemployed population aged 15-70 was mainly due to the working age persons (by 23.5 thousand persons or by 1.4%).

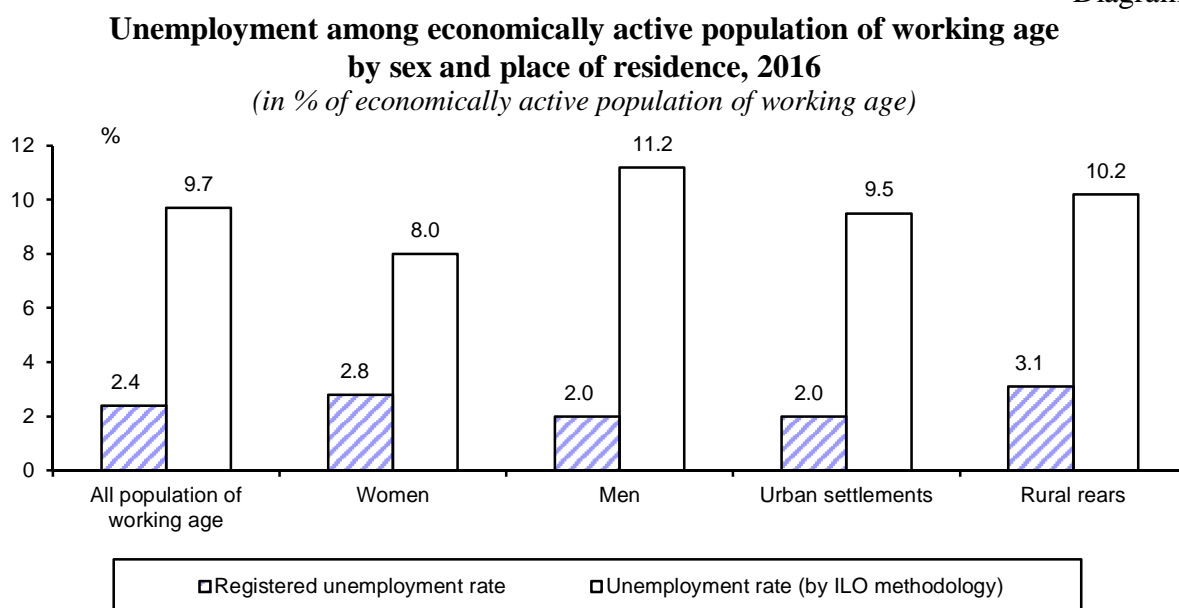
Out of the total number of the unemployed, 1.3 million persons or 78.5% worked earlier while other 0.4 million persons were looking for a job for the first time and did not have work experience. The latter category mainly included the young who were not employed after graduating from educational institutions. Thus, among those unemployed in 2016, a share of persons aged 15-24 composed 83.0% while those at the aged 25-29 accounted for 13.6%.

**Unemployment rate of the population aged 15-70 (by ILO methodology) across Ukraine as compared to 2015 was up by 0.2 percent point and made up 9.3% of economically active population at the mentioned age while among the working age population it was 9.7%.**

The relevant indicator among the EU countries (8.5%) was lower than in Ukraine.

**Unemployment rate of the working age population (by ILO methodology) surpassed 4 times the registered unemployment rate calculated with respect to economically active population of working age (for women 2.9 times, men 5.6 times, urban areas 4.8 times, rural areas 3.3 times) (Diagram 1).**

Diagram 1



It should be noted that in 2016 as compared to 2015, in the composition of the unemployed by unemployment cause there was the increase in the share of those dismissed through own will according to the agreement with the parties (by 4.1 percent point), the dismissed due to the end of contract term or under the labor treaty (by 1.9 percent point), the dismissed due to the health status, pension (by 0.9 percent point) and those demobilized from military service (by 0.4 percent point). At the same time there was the decrease in the share of the dismissed due to economic reasons (by 5.4 percent point), not placed in a job after graduating from general educational and tertiary educational institutions (by 0.8 percent point), not employed due to performance of household (family) responsibilities (by 0.5 percent point) and others (by 0.6 percent point).

In the composition of the unemployed by duration of job search in 2016 as compared to 2015, there was the reduction in the share of persons who looked for a job from 3 to 12 months (by 4.2 percent point).

Moreover, there was the corresponding increase in the share of persons who looked for a job from 3 to 12 months and more. The average duration of unemployment (by ILO methodology) has not changed and was 7 months.

**The number of economically inactive population** aged 15-70 in 2016 comprised 10.9 million persons or more than the third of the total population at this age. Every second of the economically inactive was a pensioner, every fifth was a pupil or student or performed household (family) responsibilities.

The abovementioned category of persons includes the idle persons of working age who stopped the active search of job because they became discouraged and those who did not know where and how to look for a job and were sure that there is no suitable job. As compared to indicators for 2015, this category of persons was down by 12.8% and made up 191.7 thousand persons or 2.7% of the economically inactive population of working age. The last category of citizens under the condition of unfavorable state of the market could propose their labor force on the labor market, thus are the potential for swelling the ranks of the unemployed. Taking into account the mentioned persons, unemployment rate of the working age population would have been (by ILO methodology) 10,7% against 9.7% (in 2015, 10.6% against 9.5%).

**According to administrative data from the State Employment Service**, during 2016 the unemployment status had 1,270.4 thousand persons. The average monthly number of the registered unemployed in 2016 decreased by 11.7% and comprised 407.2 thousand persons over the mentioned period, this makes up 24.3% of the number of the working age unemployed defined by ILO methodology. Among the mentioned unemployed, more than a half (55.3%) were women and the youth (38.3%) aged under 35.

Registered unemployment rate in 2016 on average was 2.4% of the economically active population of working age. The mentioned indicator was higher for women (2.8%) as compared to men (2.0%) and rural population (3.1%) as compared to urban residents (2.0%). The highest level of this indicator over the mentioned period was observed in the Kirovohrad region while the lowest one was in the city of Kyiv.

Among the total number of the registered unemployed (390.8 thousand) at the end of 2016, 341.3 thousand or 87.3% has work experience of which every fourth was previously employed in agriculture, forestry and fishery; every fifth was engaged in the state administrative and defense; compulsory social insurance, every eighth in manufacturing or wholesale and retail trade; repair of motor vehicles and motorcycles.

The number of vacant work places (vacancies) declared by employers at the end of 2016 was 36.0 thousand that is by 39.0% higher than at the end of 2015.

Out of the total number of vacancies, every fifth was in manufacturing, every sixth was in wholesale and retail trade; repair of motor vehicles and motorcycles, every ninth was in transport, warehouse, mail and courier activity.

The greatest demand of employers is for the qualified employees with tools (22.1% of the total number of declared vacancies at the end of December 2016) and for employees engaged in service, exploitation and control over the work of the technological equipment, assembly of equipment and machinery (16.0%) while the lowest demand is for the qualified employees of agriculture and forestry, fish-farming and fishing (1.1%) and for technical employees (4.6%).

The structural disproportion between the demand for labour force and its proposal is a factor that limits the possibilities of job-placement of the unemployed and the satisfaction of employers' demand for employees.

The load of the registered unemployed per 10 vacant work places (vacancies) across the country decreased from 189 persons at the end of 2015 to 108 persons at the end of 2016.

The reduction of load of the registered unemployed per 10 vacant work places (vacancies) was observed across all regions, apart from the Cherkasy region. The mentioned indicator has significantly fell in the Luhansk (from 1 400 to 230 persons), Zaporizhzhya (from 1 846 to 459 persons), Kirovohrad (from 385 to 112 persons), Zakarpattya (from 375 to 138 persons), Volyn (from 150 to 56 persons) and Lviv (from 158 to 62 persons) regions. Among the regions, the heaviest load of the registered unemployed per 10 vacant work places (vacant positions) at the end of 2015 was observed in the Zaporizhzhya (1 846 persons) and Luhansk (1 400 persons) regions while the lowest one was in Kyiv (43 persons).

With the assistance from the State Employment Service, 409.0 thousand persons were employed in 2016 against 444.7 thousand persons in 2015.

Among the registered unemployed, those placed in a job during the mentioned period were women (48.7%) and the youth aged under 35 (37.4%).

During 2016, more than a half (58.3%) of the registered unemployed obtained a job at enterprises of agriculture, forestry and fishery, manufacturing as well as wholesale and retail trade; repair of motor vehicles and motorcycles.

One of the directions of the social protection of the unemployed is the organization of the paid public work which ensures casual employment. 233.7 thousand persons were employed at such work in 2016 against 227.3 thousand persons in 2015.

In order to upgrade the competitiveness of the unemployed, the State Employment Service carries out their professional training (training, re-training, skills improvements). During 2016, at educational institutions of all types 166.6 thousand persons underwent the vocational training that is by 6.9% less than during 2015.

# **ECONOMIC ACTIVITY OF POPULATION, 2016**

## **SECTION 1**

**1.1. conomic activity of population, by sex and place of residence**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Total</b>							
quarter	17,822.2	16,054.8	1,767.4	11,067.0	61.7	55.6	9.9
quarter	18,039.5	16,423.9	1,615.6	10,849.7	62.4	56.9	9.0
quarter	18 127.8	16,524.2	1,603.6	10,761.4	62.7	57.2	8.8
V quarter	17,830.9	16,104.7	1,726.2	11,058.3	61.7	55.7	9.7
year	17,955.1	16,276.9	1,678.2	10,934.1	62.2	56.3	9.3
<b>Women</b>							
quarter	8,430.7	7,777.5	653.2	6,741.4	55.6	51.3	7.7
quarter	8,476.0	7,859.0	617.0	6,696.1	55.9	51.8	7.3
quarter	8,574.1	7,919.1	655.0	6,598.0	56.5	52.2	7.6
V quarter	8,436.9	7,753.9	683.0	6,735.2	55.6	51.1	8.1
year	8,479.4	7,827.4	652.0	6,692.7	55.9	51.6	7.7
<b>Men</b>							
quarter	9,391.5	8,277.3	1,114.2	4,325.6	68.5	60.3	11.9
quarter	9,563.5	8,564.9	998.6	4,153.6	69.7	62.4	10.4
quarter	9,553.7	8,605.1	948.6	4,163.4	69.6	62.7	9.9
V quarter	9,394.0	8,350.8	1,043.2	4,323.1	68.5	60.9	11.1
year	9,475.7	8,449.5	1,026.2	4,241.4	69.1	61.6	10.8
<b>Urban settlements</b>							
quarter	12,276.1	11,138.1	1,138.0	7,330.7	62.6	56.8	9.3
quarter	12,336.6	11,258.1	1,078.5	7,270.2	62.9	57.4	8.7
quarter	12,363.0	11,238.9	1,124.1	7,243.8	63.1	57.3	9.1
V quarter	12,249.9	11,078.8	1,171.1	7,356.9	62.5	56.5	9.6
year	12,306.4	11,178.5	1,127.9	7,300.4	62.8	57.0	9.2
<b>Rural areas</b>							
quarter	5,546.1	4,916.7	629.4	3,736.3	59.7	53.0	11.3
quarter	5,702.9	5,165.8	537.1	3,579.5	61.4	55.7	9.4
quarter	5,764.8	5,285.3	479.5	3,517.6	62.1	56.9	8.3
V quarter	5,581.0	5,025.9	555.1	3,701.4	60.1	54.1	9.9
year	5,648.7	5,098.4	550.3	3,633.7	60.9	54.9	9.7



**1.2. Economic activity of population, by age group, sex and place of residence**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Total</b>	<b>17,955.1</b>	<b>16,276.9</b>	<b>1,678.2</b>	<b>10,934.1</b>	<b>62.2</b>	<b>56.3</b>	<b>9.3</b>
including by age group (years)							
15-24	1,484.3	1,143.6	340.7	2,747.9	35.1	27.0	23.0
25-29	2,433.5	2,149.3	284.2	646.9	79.0	69.8	11.7
30-34	2,633.1	2,397.5	235.6	577.3	82.0	74.7	8.9
35-39	2,461.0	2,263.9	197.1	427.2	85.2	78.4	8.0
40-49	4,541.7	4,194.2	347.5	820.6	84.7	78.2	7.7
50-59	3,750.0	3,477.6	272.4	1,819.4	67.3	62.4	7.3
60-70	651.5	650.8	0.7	3,894.8	14.3	14.3	0.1
15-34	6,550.9	5,690.4	860.5	3,972.1	62.3	54.1	13.1
15-64	17,749.0	16,071.4	1,677.6	8,979.5	66.4	60.1	9.5
working age	17,303.6	15,626.1	1,677.5	7,039.3	71.1	64.2	9.7
over working age	651.5	650.8	0.7	3,894.8	14.3	14.3	0.1

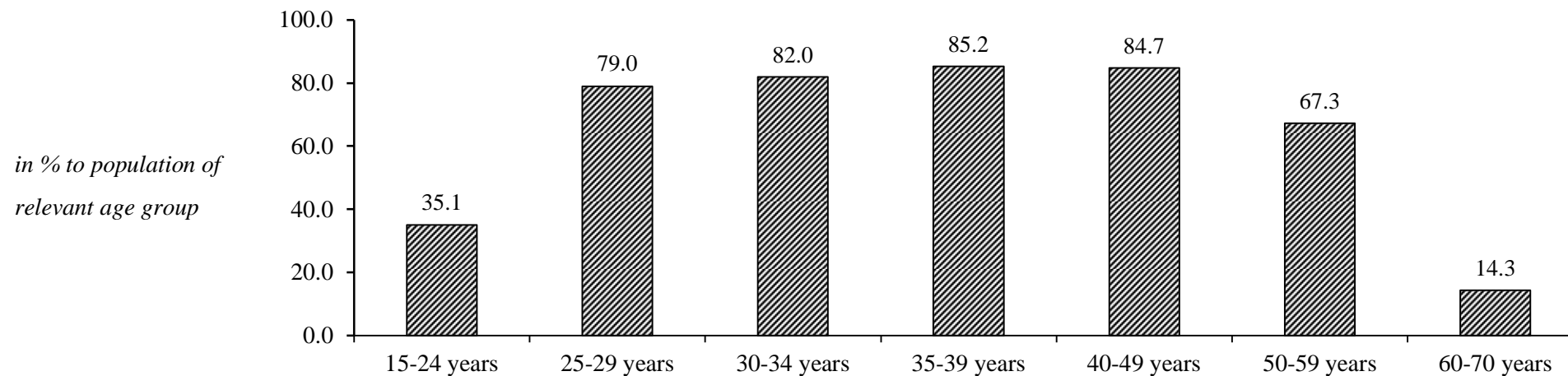
**Table 1.2. continued**

	Economically active population aged 15-70, thsd. prs.						Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent			
	Total		including					women	men	women	men	women	men	women	men
			employed		unemployed										
	women	men	women	men	women	men	women	men	women	men	women	men	women	men	
<b>Total including by age group (years)</b>	<b>8,479.4</b>	<b>9,475.7</b>	<b>7,827.4</b>	<b>8,449.5</b>	<b>652.0</b>	<b>1,026.2</b>	<b>6,692.7</b>	<b>4,241.4</b>	<b>55.9</b>	<b>69.1</b>	<b>51.6</b>	<b>61.6</b>	<b>7.7</b>	<b>10.8</b>	
15-24	639.0	845.3	501.5	642.1	137.5	203.2	1,420.3	1,327.6	31.0	38.9	24.4	29.6	21.5	24.0	
25-29	1,020.9	1,412.6	917.0	1,232.3	103.9	180.3	487.6	159.3	67.7	89.9	60.8	78.4	10.2	12.8	
30-34	1,151.9	1,481.2	1,064.8	1,332.7	87.1	148.5	432.0	145.3	72.7	91.1	67.2	81.9	7.6	10.0	
35-39	1,161.6	1,299.4	1,080.1	1,183.8	81.5	115.6	292.3	134.9	79.9	90.6	74.3	82.5	7.0	8.9	
40-49	2,302.1	2,239.6	2,157.8	2,036.4	144.3	203.2	475.7	344.9	82.9	86.7	77.7	78.8	6.3	9.1	
50-59	1,867.4	1,882.6	1,769.7	1,707.9	97.7	174.7	1,195.7	623.7	61.0	75.1	57.8	68.1	5.2	9.3	
60-70	336.5	315.0	336.5	314.3	6	0.7	2,389.1	1,505.7	12.3	17.3	12.3	17.3	6	0.2	
15-34	2,811.8	3,739.1	2,483.3	3,207.1	328.5	532.0	2,339.9	1,632.2	54.6	69.6	48.2	59.7	11.7	14.2	
15-64	8,363.6	9,385.4	7,711.6	8,359.8	652.0	1,025.6	5,479.7	3,499.8	60.4	72.8	55.7	64.9	7.8	10.9	
working age over working age	8,142.9	9,160.7	7,490.9	8,135.2	652.0	1,025.5	4,303.6	2,735.7	65.4	77.0	60.2	68.4	8.0	11.2	
	336.5	315.0	336.5	314.3	6	0.7	2,389.1	1,505.7	12.3	17.3	12.3	17.3	6	0.2	

**Table 1.2. continued**

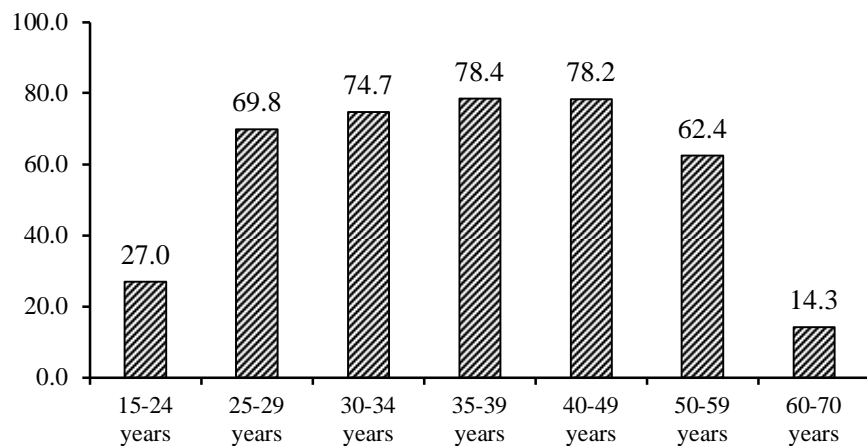
	Economically active population aged 15-70, thsd. prs.						Economically inactive population aged 15-70, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
<b>Total</b>	<b>12,306.4</b>	<b>5,648.7</b>	<b>11,178.5</b>	<b>5,098.4</b>	<b>1,127.9</b>	<b>550.3</b>	<b>7,300.4</b>	<b>3,633.7</b>	<b>62.8</b>	<b>60.9</b>	<b>57.0</b>	<b>54.9</b>	<b>9.2</b>	<b>9.7</b>
including by age group (years)														
15-24	847.3	637.0	646.5	497.1	200.8	139.9	1,837.9	910.0	31.6	41.2	24.1	32.1	23.7	22.0
25-29	1,657.6	775.9	1,467.3	682.0	190.3	93.9	393.5	253.4	80.8	75.4	71.5	66.3	11.5	12.1
30-34	1,970.5	662.6	1,800.9	596.6	169.6	66.0	368.9	208.4	84.2	76.1	77.0	68.5	8.6	10.0
35-39	1,765.7	695.3	1,623.6	640.3	142.1	55.0	262.6	164.6	87.1	80.9	80.0	74.5	8.0	7.9
40-49	3,097.7	1,444.0	2,856.9	1,337.3	240.8	106.7	493.4	327.2	86.3	81.5	79.6	75.5	7.8	7.4
50-59	2,560.0	1,190.0	2,376.3	1,101.3	183.7	88.7	1,202.4	617.0	68.0	65.9	63.2	60.9	7.2	7.5
60-70	407.6	243.9	407.0	243.8	0.6	0.1	2,741.7	1,153.1	12.9	17.5	12.9	17.5	0.1	0.0
15-34	4,475.4	2,075.5	3,914.7	1,775.7	560.7	299.8	2,600.3	1,371.8	63.3	60.2	55.3	51.5	12.5	14.4
15-64	12,188.9	5,560.1	11,061.6	5,009.8	1,127.3	550.3	5,922.9	3,056.6	67.3	64.5	61.1	58.1	9.2	9.9
working age	11,898.8	5,404.8	10,771.5	4,854.6	1,127.3	550.2	4,558.7	2,480.6	72.3	68.5	65.5	61.6	9.5	10.2
over working age	407.6	243.9	407.0	243.8	0.6	0.1	2,741.7	1,153.1	12.9	17.5	12.9	17.5	0.1	0.0

### 1.3. Economic activity rate, by age group



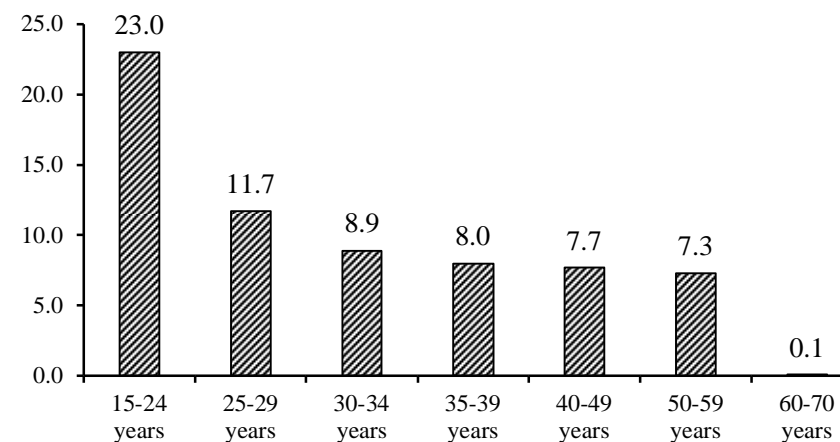
### 1.4. Employment rate, by age group

*in % to population of relevant age group*



### 1.5. Unemployment rate, by age group

*in % to economically active population of relevant age group*



**1.6. Economic activity of population, by level of education, sex and place of residence**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Total</b>	<b>17,955.1</b>	<b>16,276.9</b>	<b>1,678.2</b>	<b>10,934.1</b>	<b>62.2</b>	<b>56.3</b>	<b>9.3</b>
including by level of education							
complete higher	5,708.8	5,253.3	455.5	1,713.7	76.9	70.8	8.0
basic higher	219.6	186.0	33.6	183.2	54.5	46.2	15.3
uncompleted higher	3,507.4	3,225.6	281.8	1,680.5	67.6	62.2	8.0
vocational	4,780.0	4,271.6	508.4	2,013.1	70.4	62.9	10.6
complete secondary	3,388.7	3,019.4	369.3	3,790.6	47.2	42.1	10.9
basic secondary	338.4	311.2	27.2	1,364.3	19.9	18.3	8.0
primary education or not educated	12.2	9.8	:	188.7	6.1	4.9	:

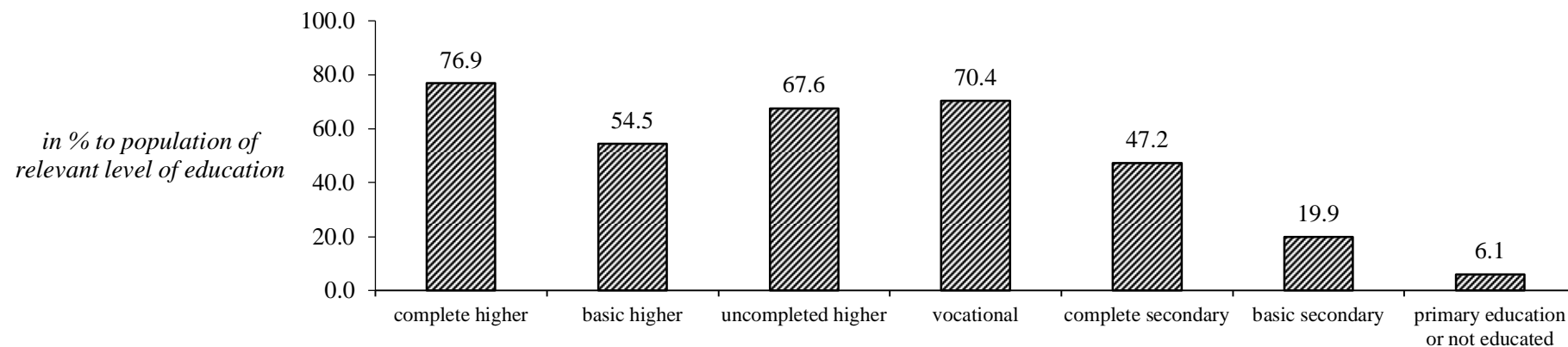
**Table 1.6. continued**

	Economically active population aged 15-70, thsd. prs						Economically inactive population aged 15-70, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			employed		unemployed		women	men	women	men	women	men	women	men
<b>Total</b>	<b>8,479.4</b>	<b>9,475.7</b>	<b>7,827.4</b>	<b>8,449.5</b>	<b>652.0</b>	<b>1,026.2</b>	<b>6,692.7</b>	<b>4,241.4</b>	<b>55.9</b>	<b>69.1</b>	<b>51.6</b>	<b>61.6</b>	<b>7.7</b>	<b>10.8</b>
including by level of education														
complete higher	2,989.9	2,718.9	2,781.3	2,472.0	208.6	246.9	1,188.9	524.8	71.5	83.8	66.6	76.2	7.0	9.1
basic higher	108.7	110.9	95.7	90.3	13.0	20.6	106.1	77.1	50.6	59.0	44.6	48.0	12.0	18.6
uncompleted higher	2,060.8	1,446.6	1,919.2	1,306.4	141.6	140.2	1,196.0	484.5	63.3	74.9	58.9	67.7	6.9	9.7
vocational	1,641.7	3,138.3	1,470.6	2,801.0	171.1	337.3	1,051.5	961.6	61.0	76.5	54.6	68.3	10.4	10.7
complete secondary	1,532.9	1,855.8	1,423.1	1,596.3	109.8	259.5	2,311.4	1,479.2	39.9	55.6	37.0	47.9	7.2	14.0
basic secondary	140.8	197.6	132.9	178.3	7.9	19.3	744.5	619.8	15.9	24.2	15.0	21.8	5.6	9.8
primary education or not educated	4.6	7.6	4.6	5.2	6	:	94.3	94.4	4.7	7.5	4.7	5.1	6	:

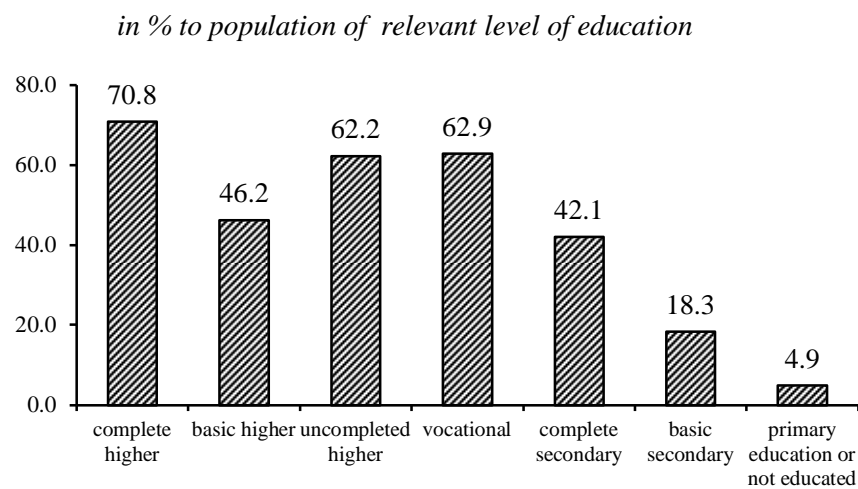
**Table 1.6. continued**

	Economically active population aged 15-70, thsd. prs						Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent			
	Total		including					urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
			employed		unemployed										
	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	
<b>Total</b>	<b>12,306.4</b>	<b>5,648.7</b>	<b>11,178.5</b>	<b>5,098.4</b>	<b>1,127.9</b>	<b>550.3</b>	<b>7,300.4</b>	<b>3,633.7</b>	<b>62.8</b>	<b>60.9</b>	<b>57.0</b>	<b>54.9</b>	<b>9.2</b>	<b>9.7</b>	
including by level of education															
complete higher	4,864.9	843.9	4,477.1	776.2	387.8	67.7	1,479.0	234.7	76.7	78.2	70.6	72.0	8.0	8.0	
basic higher	164.9	54.7	138.9	47.1	26.0	7.6	147.1	36.1	52.9	60.2	44.5	51.9	15.8	13.9	
uncompleted higher	2,535.6	971.8	2,336.3	889.3	199.3	82.5	1,293.5	387.0	66.2	71.5	61.0	65.4	7.9	8.5	
vocational	2,988.0	1,792.0	2,676.9	1,594.7	311.1	197.3	1,288.1	725.0	69.9	71.2	62.6	63.4	10.4	11.0	
complete secondary	1,626.5	1,762.2	1,438.1	1,581.3	188.4	180.9	2,308.4	1,482.2	41.3	54.3	36.5	48.7	11.6	10.3	
basic secondary	122.8	215.6	107.7	203.5	15.1	12.1	685.4	678.9	15.2	24.1	13.3	22.8	12.3	5.6	
primary education or not educated	3.7	8.5	3.5	6.3	:	:	98.9	89.8	3.6	8.6	3.4	6.4	:	:	

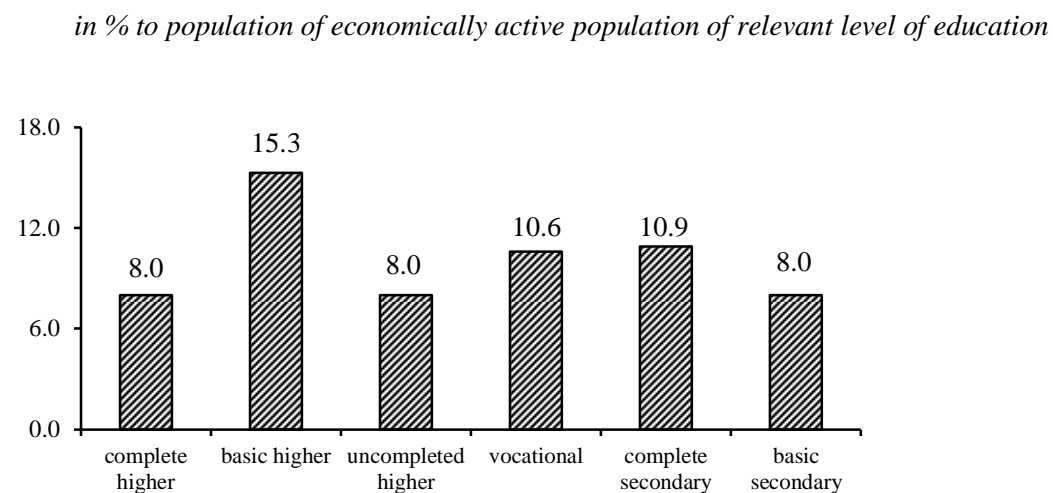
**1.7. Economic activity rate, by level of education**



**1.8. Employment rate, by level of education**



**1.9. Unemployment rate, by level of education**





**1.10. Economic activity of population, by marital status, sex and place of residence**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Total</b>	<b>17,955.1</b>	<b>16,276.9</b>	<b>1,678.2</b>	<b>10,934.1</b>	<b>62.2</b>	<b>56.3</b>	<b>9.3</b>
including by marital status							
married	11,034.3	10,237.1	797.2	5,185.8	68.0	63.1	7.2
never married	3,890.3	3,235.8	654.5	3,287.1	54.2	45.1	16.8
divorced	2,499.2	2,298.3	200.9	1,120.4	69.0	63.5	8.0
widow	531.3	505.7	25.6	1,340.8	28.4	27.0	4.8
<b>Women</b>	<b>8,479.4</b>	<b>7,827.4</b>	<b>652.0</b>	<b>6,692.7</b>	<b>55.9</b>	<b>51.6</b>	<b>7.7</b>
including by marital status							
married	4,829.1	4,545.6	283.5	3,229.0	59.9	56.4	5.9
never married	1,527.2	1,284.2	243.0	1,545.3	49.7	41.8	15.9
divorced	1,700.5	1,589.1	111.4	801.5	68.0	63.5	6.6
widow	422.6	408.5	14.1	1,116.9	27.5	26.5	3.3
<b>Men</b>	<b>9,475.7</b>	<b>8,449.5</b>	<b>1,026.2</b>	<b>4,241.4</b>	<b>69.1</b>	<b>61.6</b>	<b>10.8</b>
including by marital status							
married	6,205.2	5,691.5	513.7	1,956.8	76.0	69.7	8.3
never married	2,363.1	1,951.6	411.5	1,741.8	57.6	47.5	17.4
divorced	798.7	709.2	89.5	318.9	71.5	63.5	11.2
widow	108.7	97.2	11.5	223.9	32.7	29.2	10.6

**Table 1.10. continued**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Urban settlements</b>	<b>12,306.4</b>	<b>11,178.5</b>	<b>1,127.9</b>	<b>7,300.4</b>	<b>62.8</b>	<b>57.0</b>	<b>9.2</b>
including by marital status							
married	7,479.1	6,959.4	519.7	3,436.7	68.5	63.8	6.9
never married	2,586.9	2,148.4	438.5	2,146.2	54.7	45.4	17.0
divorced	1,900.0	1,749.2	150.8	832.5	69.5	64.0	7.9
widow	340.4	321.5	18.9	885.0	27.8	26.2	5.6
<b>Rural areas</b>	<b>5,648.7</b>	<b>5,098.4</b>	<b>550.3</b>	<b>3,633.7</b>	<b>60.9</b>	<b>54.9</b>	<b>9.7</b>
including by marital status							
married	3,555.2	3,277.7	277.5	1,749.1	67.0	61.8	7.8
never married	1,303.4	1,087.4	216.0	1,140.9	53.3	44.5	16.6
divorced	599.2	549.1	50.1	287.9	67.5	61.9	8.4
widow	190.9	184.2	6.7	455.8	29.5	28.5	3.5

**1.11. Economic activity of population, by occupation, specialty according to certificate (diploma)**  
(by subsection of Classification of Occupations (CO))

(thsd. prs.)

	Economically active population aged 15-70			Economically inactive population aged 15-70
	Total	including		
		employed	unemployed	
<b>Total</b>	<b>17,955.1</b>	<b>16,276.9</b>	<b>1,678.2</b>	<b>10,934.1</b>
including specialty groups according to certificate (diploma)				
managers (stewards) of enterprises, institutions, organizations and units	113.3	105.2	8.1	20.7
physical, mathematical and engineering science professionals	1,804.5	1,648.0	156.5	575.6
life science and health professionals	570.5	530.3	40.2	155.0
teaching professionals	1,046.4	995.8	50.6	351.2
other professionals	2,308.6	2,089.2	219.4	736.7
technical experts in the field of applied science and technology	1,517.8	1,374.2	143.6	694.7
specialists in biology, agronomy and medicine educators	820.1	776.4	43.7	335.4
experts in the field of education	230.6	215.0	15.6	123.5
other experts	921.3	845.5	75.8	551.3
experts in food and processing industry	63.4	55.3	8.1	30.5
officials associated with the information	132.8	108.3	24.5	72.8
customer service officials	40.4	37.4	3.0	21.3
personal and protective services workers	650.2	573.7	76.5	311.3
salespersons and demonstrators	240.9	226.8	14.1	114.7
skilled agricultural workers and fishermen	24.5	19.9	4.6	10.1
workers of mining and construction	560.2	510.0	50.2	265.2
metallurgical and mechanical engineering workers occupations	1,155.6	1,022.0	133.6	343.1
other skilled workers with a tool	438.8	394.0	44.8	241.2
workers serving industrial equipment	73.6	65.3	8.3	30.2
workers serving machines and assemblers of machines	372.4	332.2	40.2	200.0
drivers and workers servicing of movable machinery and settings	1,108.1	990.1	118.0	395.2
other occupations	26.3	26.3	6	13.9
did not have a profession	3,734.8	3,336.0	398.8	5,340.5

**1.12. Economic activity of population, by sex, place of residence and region**

	Economically active population aged 15-70, thsd. prs.			Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Ukraine</b>	<b>17,955.1</b>	<b>16,276.9</b>	<b>1,678.2</b>	<b>10,934.1</b>	<b>62.2</b>	<b>56.3</b>	<b>9.3</b>
Vinnytsia	729.8	658.8	71.0	433.2	62.8	56.6	9.7
Volyn	431.8	382.1	49.7	317.2	57.7	51.0	11.5
Dnipropetrovsk	1,547.1	1,425.4	121.7	866.2	64.1	59.1	7.9
Donetsk	871.3	748.4	122.9	624.1	58.3	50.0	14.1
Zhytomyr	571.3	507.6	63.7	336.2	63.0	55.9	11.2
Zakarpattia	561.8	505.5	56.3	361.1	60.9	54.8	10.0
Zaporizhia	816.3	734.9	81.4	496.3	62.2	56.0	10.0
Ivano-Frankivsk	610.4	556.9	53.5	407.5	60.0	54.7	8.8
Kyiv	789.8	736.3	53.5	485.0	62.0	57.8	6.8
Kirovohrad	428.8	375.7	53.1	281.3	60.4	52.9	12.4
Luhansk	355.5	298.5	57.0	181.6	66.2	55.6	16.0
Lviv	1,134.9	1,047.0	87.9	736.6	60.6	55.9	7.7
Mykolaiv	551.4	498.1	53.3	315.4	63.6	57.5	9.7
Odesa	1,073.1	1,000.6	72.5	692.1	60.8	56.7	6.8
Poltava	653.0	570.4	82.6	417.4	61.0	53.3	12.6
Rivne	530.5	474.2	56.3	303.0	63.6	56.9	10.6
Sumy	527.3	478.5	48.8	314.8	62.6	56.8	9.3
Ternopil	460.4	407.6	52.8	323.9	58.7	52.0	11.5
Kharkiv	1,321.2	1,236.6	84.6	748.8	63.8	59.7	6.4
Kherson	496.9	441.0	55.9	293.9	62.8	55.8	11.2
Khmelnysk	563.1	510.1	53.0	383.0	59.5	53.9	9.4
Cherkasy	577.3	517.5	59.8	342.8	62.7	56.2	10.4
Chernivtsi	411.8	376.1	35.7	257.8	61.5	56.2	8.7
Chernihiv	478.7	424.8	53.9	285.7	62.6	55.6	11.3
Kyiv city	1,461.6	1,364.3	97.3	729.2	66.7	62.3	6.7

**Table 1.12. continued**

	Economically active population aged 15-70, thsd. prs.						Economically inactive population aged 15-70, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			women	men	women	men	women	men	women	men	women	men	women	men
<b>Ukraine</b>	<b>8,479.4</b>	<b>9,475.7</b>	<b>7,827.4</b>	<b>8,449.5</b>	<b>652.0</b>	<b>1,026.2</b>	<b>6,692.7</b>	<b>4,241.4</b>	<b>55.9</b>	<b>69.1</b>	<b>51.6</b>	<b>61.6</b>	<b>7.7</b>	<b>10.8</b>
Vinnitsia	346.3	383.5	312.8	346.0	33.5	37.5	262.4	170.8	56.9	69.2	51.4	62.4	9.7	9.8
Volyn	198.1	233.7	182.7	199.4	15.4	34.3	190.5	126.7	51.0	64.8	47.0	55.3	7.8	14.7
Dnipropetrovsk	750.2	796.9	705.2	720.2	45.0	76.7	535.1	331.1	58.4	70.6	54.9	63.8	6.0	9.6
Donetsk	408.6	462.7	362.3	386.1	46.3	76.6	381.6	242.5	51.7	65.6	45.8	54.8	11.3	16.6
Zhytomyr	278.5	292.8	248.7	258.9	29.8	33.9	194.5	141.7	58.9	67.4	52.6	59.6	10.7	11.6
Zakarpattia	244.9	316.9	223.3	282.2	21.6	34.7	229.7	131.4	51.6	70.7	47.1	62.9	8.8	10.9
Zaporizhia	386.9	429.4	353.7	381.2	33.2	48.2	311.2	185.1	55.4	69.9	50.7	62.0	8.6	11.2
Ivano-Frankivsk	272.2	338.2	248.2	308.7	24.0	29.5	253.4	154.1	51.8	68.7	47.2	62.7	8.8	8.7
Kyiv	376.2	413.6	354.4	381.9	21.8	31.7	296.3	188.7	55.9	68.7	52.7	63.4	5.8	7.7
Kirovohrad	202.7	226.1	182.0	193.7	20.7	32.4	172.5	108.8	54.0	67.5	48.5	57.8	10.2	14.3
Luhansk	174.1	181.4	151.3	147.2	22.8	34.2	107.9	73.7	61.7	71.1	53.7	57.7	13.1	18.9
Lviv	520.5	614.4	486.6	560.4	33.9	54.0	442.3	294.3	54.1	67.6	50.5	61.7	6.5	8.8
Mykolaiv	257.3	294.1	237.3	260.8	20.0	33.3	200.2	115.2	56.2	71.9	51.9	63.7	7.8	11.3
Odesa	474.7	598.4	457.1	543.5	17.6	54.9	447.0	245.1	51.5	70.9	49.6	64.4	3.7	9.2
Poltava	307.2	345.8	275.0	295.4	32.2	50.4	256.4	161.0	54.5	68.2	48.8	58.3	10.5	14.6
Rivne	246.5	284.0	233.1	241.1	13.4	42.9	183.7	119.3	57.3	70.4	54.2	59.8	5.4	15.1
Sumy	259.5	267.8	236.2	242.3	23.3	25.5	185.5	129.3	58.3	67.4	53.1	61.0	9.0	9.5
Ternopil	226.9	233.5	210.9	196.7	16.0	36.8	180.3	143.6	55.7	61.9	51.8	52.2	7.1	15.8
Kharkiv	631.3	689.9	595.6	641.0	35.7	48.9	456.0	292.8	58.1	70.2	54.8	65.2	5.7	7.1
Kherson	224.0	272.9	207.0	234.0	17.0	38.9	191.7	102.2	53.9	72.8	49.8	62.4	7.6	14.3
Khmelnysk	261.1	302.0	238.5	271.6	22.6	30.4	232.4	150.6	52.9	66.7	48.3	60.0	8.7	10.1
Cherkasy	276.6	300.7	252.1	265.4	24.5	35.3	209.5	133.3	56.9	69.3	51.9	61.2	8.9	11.7
Chernivtsi	189.2	222.6	171.7	204.4	17.5	18.2	160.1	97.7	54.2	69.5	49.2	63.8	9.2	8.2
Chernihiv	235.2	243.5	212.3	212.5	22.9	31.0	166.9	118.8	58.5	67.2	52.8	58.7	9.7	12.7
Kyiv city	730.7	730.9	689.4	674.9	41.3	56.0	445.6	283.6	62.1	72.0	58.6	66.5	5.7	7.7

**Table 1.12. continued**

	Economically active population aged 15-70, thsd. prs.						Economically inactive population aged 15-70, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			employed		unemployed		urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
<b>Ukraine</b>	<b>12,306.4</b>	<b>5,648.7</b>	<b>11,178.5</b>	<b>5,098.4</b>	<b>1,127.9</b>	<b>550.3</b>	<b>7,300.4</b>	<b>3,633.7</b>	<b>62.8</b>	<b>60.9</b>	<b>57.0</b>	<b>54.9</b>	<b>9.2</b>	<b>9.7</b>
Vinnitsia	384.9	344.9	345.1	313.7	39.8	31.2	227.5	205.7	62.9	62.6	56.4	57.0	10.3	9.0
Volyn	235.7	196.1	214.1	168.0	21.6	28.1	169.4	147.8	58.2	57.0	52.9	48.9	9.2	14.3
Dnipropetrovsk	1,329.2	217.9	1,228.1	197.3	101.1	20.6	703.4	162.8	65.4	57.2	60.4	51.8	7.6	9.5
Donetsk	732.7	138.6	640.3	108.1	92.4	30.5	538.2	85.9	57.7	61.7	50.4	48.2	12.6	22.0
Zhytomyr	338.7	232.6	303.7	203.9	35.0	28.7	212.0	124.2	61.5	65.2	55.1	57.1	10.3	12.3
Zakarpattia	227.9	333.9	205.3	300.2	22.6	33.7	114.3	246.8	66.6	57.5	60.0	51.7	9.9	10.1
Zaporizhia	636.5	179.8	573.0	161.9	63.5	17.9	386.0	110.3	62.2	62.0	56.0	55.8	10.0	10.0
Ivano-Frankivsk	285.7	324.7	255.7	301.2	30.0	23.5	170.0	237.5	62.7	57.8	56.1	53.6	10.5	7.2
Kyiv	516.4	273.4	479.9	256.4	36.5	17.0	295.2	189.8	63.6	59.0	59.1	55.4	7.1	6.2
Kirovohrad	284.5	144.3	248.8	126.9	35.7	17.4	170.9	110.4	62.5	56.7	54.6	49.8	12.5	12.1
Luhansk	239.8	115.7	195.4	103.1	44.4	12.6	147.8	33.8	61.9	77.4	50.4	69.0	18.5	10.9
Lviv	723.9	411.0	665.3	381.7	58.6	29.3	433.6	303.0	62.5	57.6	57.5	53.5	8.1	7.1
Mykolaiv	374.2	177.2	338.2	159.9	36.0	17.3	225.9	89.5	62.4	66.4	56.4	60.0	9.6	9.8
Odesa	723.2	349.9	675.9	324.7	47.3	25.2	468.1	224.0	60.7	61.0	56.7	56.6	6.5	7.2
Poltava	418.1	234.9	369.5	200.9	48.6	34.0	256.8	160.6	61.9	59.4	54.7	50.8	11.6	14.5
Rivne	249.9	280.6	223.6	250.6	26.3	30.0	166.6	136.4	60.0	67.3	53.7	60.1	10.5	10.7
Sumy	357.4	169.9	322.4	156.1	35.0	13.8	232.3	82.5	60.6	67.3	54.7	61.8	9.8	8.1
Ternopil	246.3	214.1	220.8	186.8	25.5	27.3	115.1	208.8	68.2	50.6	61.1	44.2	10.4	12.8
Kharkiv	1,081.8	239.4	1,013.6	223.0	68.2	16.4	602.7	146.1	64.2	62.1	60.2	57.8	6.3	6.9
Kherson	293.8	203.1	253.5	187.5	40.3	15.6	192.3	101.6	60.4	66.7	52.1	61.5	13.7	7.7
Khmelnysk	329.5	233.6	306.4	203.7	23.1	29.9	226.2	156.8	59.3	59.8	55.1	52.2	7.0	12.8
Cherkasy	348.1	229.2	309.0	208.5	39.1	20.7	190.6	152.2	64.6	60.1	57.4	54.7	11.2	9.0
Chernivtsi	165.9	245.9	144.6	231.5	21.3	14.4	133.1	124.7	55.5	66.4	48.4	62.5	12.8	5.9
Chernihiv	320.7	158.0	282.0	142.8	38.7	15.2	193.2	92.5	62.4	63.1	54.9	57.0	12.1	9.6
Kyiv city	1,461.6	ó	1,364.3	ó	97.3	ó	729.2	ó	66.7	ó	62.3	ó	6.7	ó

**1.13. Economic activity of working age population, by sex, place of residence and region**

	Economically active population, thsd. prs.			Economically inactive population, thsd. prs.	Economic activity rate, percent	Employment rate, percent	Unemployment rate, percent
	Total	including					
		employed	unemployed				
<b>Ukraine</b>	<b>17,303.6</b>	<b>15,626.1</b>	<b>1,677.5</b>	<b>7,039.3</b>	<b>71.1</b>	<b>64.2</b>	<b>9.7</b>
Vinnysia	702.2	631.2	71.0	277.3	71.7	64.4	10.1
Volyn	426.3	376.6	49.7	223.7	65.6	57.9	11.7
Dnipropetrovsk	1,508.6	1,386.9	121.7	515.5	74.5	68.5	8.1
Donetsk	844.5	721.6	122.9	389.9	68.4	58.5	14.6
Zhytomyr	543.1	479.4	63.7	225.3	70.7	62.4	11.7
Zakarpattia	545.6	489.3	56.3	253.3	68.3	61.2	10.3
Zaporizhia	789.4	708.0	81.4	300.0	72.5	65.0	10.3
Ivano-Frankivsk	578.9	525.4	53.5	299.8	65.9	59.8	9.2
Kyiv	776.1	722.6	53.5	303.8	71.9	66.9	6.9
Kirovohrad	416.5	363.4	53.1	175.0	70.4	61.4	12.7
Luhansk	338.1	281.1	57.0	103.6	76.5	63.6	16.9
Lviv	1,116.9	1,029.0	87.9	490.3	69.5	64.0	7.9
Mykolaiv	535.9	482.7	53.2	190.4	73.8	66.5	9.9
Odesa	1,043.9	971.4	72.5	444.3	70.1	65.3	6.9
Poltava	638.4	555.8	82.6	255.8	71.4	62.2	12.9
Rivne	481.9	425.6	56.3	243.5	66.4	58.7	11.7
Sumy	497.3	448.5	48.8	199.5	71.4	64.4	9.8
Ternopil	450.1	397.3	52.8	222.0	67.0	59.1	11.7
Kharkiv	1,282.2	1,197.6	84.6	443.5	74.3	69.4	6.6
Kherson	488.0	432.1	55.9	175.3	73.6	65.1	11.5
Khmelnysk	545.3	492.3	53.0	250.0	68.6	61.9	9.7
Cherkasy	566.9	507.1	59.8	196.8	74.2	66.4	10.5
Chernivtsi	366.8	331.1	35.7	209.7	63.6	57.4	9.7
Chernihiv	457.0	403.1	53.9	171.8	72.7	64.1	11.8
Kyiv city	1,363.7	1,267.0	96.7	479.2	74.0	68.8	7.1

**Table 1.13. continued**

	Economically active population, thsd. prs.						Economically inactive population, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			employed		unemployed									
	women	men	women	men	women	men	women	men	women	men	women	men	women	men
<b>Ukraine</b>	<b>8,142.9</b>	<b>9,160.7</b>	<b>7,490.9</b>	<b>8,135.2</b>	<b>652.0</b>	<b>1,025.5</b>	<b>4,303.6</b>	<b>2,735.7</b>	<b>65.4</b>	<b>77.0</b>	<b>60.2</b>	<b>68.4</b>	<b>8.0</b>	<b>11.2</b>
Vinnitsia	333.1	369.1	299.6	331.6	33.5	37.5	167.0	110.3	66.6	77.0	59.9	69.2	10.1	10.2
Volyn	195.6	230.7	180.2	196.4	15.4	34.3	134.9	88.8	59.2	72.2	54.5	61.5	7.9	14.9
Dnipropetrovsk	731.8	776.8	686.8	700.1	45.0	76.7	314.2	201.3	70.0	79.4	65.7	71.6	6.1	9.9
Donetsk	392.3	452.2	346.0	375.6	46.3	76.6	239.4	150.5	62.1	75.0	54.8	62.3	11.8	16.9
Zhytomyr	262.2	280.9	232.4	247.0	29.8	33.9	127.5	97.8	67.3	74.2	59.6	65.2	11.4	12.1
Zakarpattia	238.0	307.6	216.4	272.9	21.6	34.7	165.2	88.1	59.0	77.7	53.7	69.0	9.1	11.3
Zaporizhia	370.8	418.6	337.6	370.4	33.2	48.2	191.2	108.8	66.0	79.4	60.1	70.2	9.0	11.5
Ivano-Frankivsk	255.4	323.5	231.4	294.0	24.0	29.5	188.7	111.1	57.5	74.4	52.1	67.6	9.4	9.1
Kyiv	368.8	407.3	347.0	375.6	21.8	31.7	186.8	117.0	66.4	77.7	62.5	71.6	5.9	7.8
Kirovohrad	196.2	220.3	175.5	187.9	20.7	32.4	107.0	68.0	64.7	76.4	57.9	65.2	10.6	14.7
Luhansk	164.4	173.7	141.6	139.5	22.8	34.2	60.5	43.1	73.1	80.1	63.0	64.3	13.9	19.7
Lviv	513.0	603.9	479.1	549.9	33.9	54.0	294.4	195.9	63.5	75.5	59.3	68.8	6.6	8.9
Mykolaiv	249.9	286.0	229.9	252.8	20.0	33.2	122.9	67.5	67.0	80.9	61.7	71.5	8.0	11.6
Odesa	461.2	582.7	443.6	527.8	17.6	54.9	294.2	150.1	61.1	79.5	58.7	72.0	3.8	9.4
Poltava	300.2	338.2	268.0	287.8	32.2	50.4	157.1	98.7	65.6	77.4	58.6	65.9	10.7	14.9
Rivne	221.5	260.4	208.1	217.5	13.4	42.9	145.3	98.2	60.4	72.6	56.7	60.7	6.0	16.5
Sumy	243.4	253.9	220.1	228.4	23.3	25.5	115.1	84.4	67.9	75.1	61.4	67.5	9.6	10.0
Ternopil	221.3	228.8	205.3	192.0	16.0	36.8	120.3	101.7	64.8	69.2	60.1	58.1	7.2	16.1
Kharkiv	611.5	670.7	575.8	621.8	35.7	48.9	266.0	177.5	69.7	79.1	65.6	73.3	5.8	7.3
Kherson	220.0	268.0	203.0	229.1	17.0	38.9	119.4	55.9	64.8	82.7	59.8	70.7	7.7	14.5
Khmelnysk	252.8	292.5	230.2	262.1	22.6	30.4	151.5	98.5	62.5	74.8	56.9	67.0	8.9	10.4
Cherkasy	272.1	294.8	247.6	259.5	24.5	35.3	120.8	76.0	69.3	79.5	63.0	70.0	9.0	12.0
Chernivtsi	164.2	202.6	146.7	184.4	17.5	18.2	130.3	79.4	55.8	71.8	49.8	65.4	10.7	9.0
Chernihiv	224.4	232.6	201.5	201.6	22.9	31.0	96.2	75.6	70.0	75.5	62.9	65.4	10.2	13.3
Kyiv city	678.8	684.9	637.5	629.5	41.3	55.4	287.7	191.5	70.2	78.1	66.0	71.8	6.1	8.1



**Table 1.13. continued**

	Economically active population, thsd. prs.						Economically inactive population, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			employed		unemployed		urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
<b>Ukraine</b>	<b>11,898.8</b>	<b>5,404.8</b>	<b>10,771.5</b>	<b>4,854.6</b>	<b>1,127.3</b>	<b>550.2</b>	<b>4,558.7</b>	<b>2,480.6</b>	<b>72.3</b>	<b>68.5</b>	<b>65.5</b>	<b>61.6</b>	<b>9.5</b>	<b>10.2</b>
Vinnitsia	371.8	330.4	332.0	299.2	39.8	31.2	144.8	132.5	72.0	71.4	64.3	64.6	10.7	9.4
Volyn	232.3	194.0	210.7	165.9	21.6	28.1	116.9	106.8	66.5	64.5	60.3	55.2	9.3	14.5
Dnipropetrovsk	1,296.8	211.8	1,195.7	191.2	101.1	20.6	406.3	109.2	76.1	66.0	70.2	59.6	7.8	9.7
Donetsk	708.5	136.0	616.1	105.5	92.4	30.5	340.4	49.5	67.5	73.3	58.7	56.9	13.0	22.4
Zhytomyr	324.0	219.1	289.0	190.4	35.0	28.7	141.1	84.2	69.7	72.2	62.1	62.8	10.8	13.1
Zakarpattia	222.6	323.0	200.0	289.3	22.6	33.7	70.2	183.1	76.0	63.8	68.3	57.2	10.2	10.4
Zaporizhia	618.9	170.5	555.4	152.6	63.5	17.9	226.3	73.7	73.2	69.8	65.7	62.5	10.3	10.5
Ivano-Frankivsk	275.8	303.1	245.8	279.6	30.0	23.5	116.3	183.5	70.3	62.3	62.7	57.5	10.9	7.8
Kyiv	508.5	267.6	472.0	250.6	36.5	17.0	182.0	121.8	73.6	68.7	68.4	64.4	7.2	6.4
Kirovohrad	276.2	140.3	240.5	122.9	35.7	17.4	101.7	73.3	73.1	65.7	63.6	57.5	12.9	12.4
Luhansk	234.2	103.9	189.8	91.3	44.4	12.6	84.6	19.0	73.5	84.5	59.5	74.3	19.0	12.1
Lviv	712.8	404.1	654.2	374.8	58.6	29.3	275.2	215.1	72.1	65.3	66.2	60.5	8.2	7.3
Mykolaiv	364.3	171.6	328.3	154.4	36.0	17.2	134.3	56.1	73.1	75.4	65.8	67.8	9.9	10.0
Odesa	703.8	340.1	656.5	314.9	47.3	25.2	293.9	150.4	70.5	69.3	65.8	64.2	6.7	7.4
Poltava	410.0	228.4	361.4	194.4	48.6	34.0	152.4	103.4	72.9	68.8	64.3	58.6	11.9	14.9
Rivne	231.3	250.6	205.0	220.6	26.3	30.0	128.8	114.7	64.2	68.6	56.9	60.4	11.4	12.0
Sumy	343.9	153.4	308.9	139.6	35.0	13.8	144.5	55.0	70.4	73.6	63.2	67.0	10.2	9.0
Ternopil	239.9	210.2	214.4	182.9	25.5	27.3	69.3	152.7	77.6	57.9	69.3	50.4	10.6	13.0
Kharkiv	1,046.5	235.7	978.3	219.3	68.2	16.4	358.1	85.4	74.5	73.4	69.6	68.3	6.5	7.0
Kherson	289.4	198.6	249.1	183.0	40.3	15.6	115.2	60.1	71.5	76.8	61.6	70.7	13.9	7.9
Khmelnysk	320.5	224.8	297.4	194.9	23.1	29.9	150.5	99.5	68.0	69.3	63.1	60.1	7.2	13.3
Cherkasy	340.7	226.2	301.6	205.5	39.1	20.7	108.0	88.8	75.9	71.8	67.2	65.2	11.5	9.2
Chernivtsi	152.9	213.9	131.6	199.5	21.3	14.4	103.2	106.5	59.7	66.8	51.4	62.3	13.9	6.7
Chernihiv	309.5	147.5	270.8	132.3	38.7	15.2	115.5	56.3	72.8	72.4	63.7	64.9	12.5	10.3
Kyiv city	1,363.7	6	1,267.0	6	96.7	6	479.2	6	74.0	6	68.8	6	7.1	6

**1.14. Economically active population, by age group and region**

(thsd. prs.)

	Economically active population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>17,955.1</b>	<b>1,484.3</b>	<b>2,433.5</b>	<b>2,633.1</b>	<b>2,461.0</b>	<b>4,541.7</b>	<b>3,750.0</b>	<b>651.5</b>	<b>6,550.9</b>	<b>17,303.6</b>
Vinnitsia	729.8	66.3	95.5	97.5	97.8	190.7	154.4	27.6	259.3	702.2
Volyn	431.8	46.3	61.6	62.9	61.5	106.9	87.1	5.5	170.8	426.3
Dnipropetrovsk	1,547.1	102.7	209.8	237.7	218.4	396.0	344.0	38.5	550.2	1,508.6
Donetsk	871.3	76.0	121.9	132.3	121.9	215.3	177.1	26.8	330.2	844.5
Zhytomyr	571.3	68.8	79.8	75.3	70.2	140.9	108.1	28.2	223.9	543.1
Zakarpattia	561.8	76.3	84.7	78.0	74.9	129.1	102.6	16.2	239.0	545.6
Zaporizhia	816.3	63.4	103.2	115.4	111.4	215.0	181.0	26.9	282.0	789.4
Ivano-Frankivsk	610.4	63.1	89.6	84.2	80.9	144.9	116.2	31.5	236.9	578.9
Kyiv	789.8	62.8	110.5	126.2	107.3	213.1	156.2	13.7	299.5	776.1
Kirovohrad	428.8	41.3	58.1	57.5	55.8	113.6	90.2	12.3	156.9	416.5
Luhansk	355.5	28.5	49.1	48.1	47.4	88.5	76.5	17.4	125.7	338.1
Lviv	1,134.9	109.8	158.4	175.1	155.2	279.8	238.6	18.0	443.3	1,116.9
Mykolaiv	551.4	42.9	71.9	77.0	72.9	141.8	129.4	15.5	191.8	535.9
Odesa	1,073.1	84.5	145.0	164.9	147.6	278.2	223.7	29.2	394.4	1,043.9
Poltava	653.0	50.4	91.3	91.3	86.6	183.2	135.6	14.6	233.0	638.4
Rivne	530.5	51.5	66.8	72.2	69.7	118.8	102.9	48.6	190.5	481.9
Sumy	527.3	33.4	66.1	69.0	71.8	138.9	118.1	30.0	168.5	497.3
Ternopil	460.4	48.9	64.9	68.0	62.9	111.6	93.8	10.3	181.8	450.1
Kharkiv	1,321.2	63.1	177.8	206.0	193.2	340.6	301.5	39.0	446.9	1,282.2
Kherson	496.9	47.2	67.5	67.8	67.2	130.4	107.9	8.9	182.5	488.0
Khmelnysk	563.1	58.9	76.7	75.6	72.1	144.0	118.0	17.8	211.2	545.3
Cherkasy	577.3	44.5	80.3	82.2	78.9	155.8	125.2	10.4	207.0	566.9
Chernivtsi	411.8	35.6	51.0	56.7	53.7	97.0	72.8	45.0	143.3	366.8
Chernihiv	478.7	41.4	65.3	69.8	58.6	116.2	105.7	21.7	176.5	457.0
Kyiv city	1,461.6	76.7	186.7	242.4	223.1	351.4	283.4	97.9	505.8	1,363.7

**1.15. Economic active rate of population, by age group and region**

(percent)

	Economic active rate of population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>62.2</b>	<b>35.1</b>	<b>79.0</b>	<b>82.0</b>	<b>85.2</b>	<b>84.7</b>	<b>67.3</b>	<b>14.3</b>	<b>62.3</b>	<b>71.1</b>
Vinnitsia	62.8	36.8	77.0	81.4	89.8	85.4	69.2	15.0	61.1	71.7
Volyn	57.7	36.4	72.6	73.2	80.1	78.3	62.8	5.6	57.3	65.6
Dnipropetrovsk	64.1	32.0	81.0	87.4	88.6	88.8	71.7	9.9	64.6	74.5
Donetsk	58.3	42.4	78.4	79.3	79.7	78.7	57.8	10.3	65.8	68.4
Zhytomyr	63.0	48.1	82.0	78.0	81.6	82.1	62.2	20.3	66.4	70.7
Zakarpattia	60.9	47.4	81.8	75.4	78.8	75.7	62.0	13.1	65.0	68.3
Zaporizhia	62.2	37.3	74.2	82.3	84.9	88.3	68.1	12.1	62.8	72.5
Ivano-Frankivsk	60.0	36.7	78.7	75.0	81.0	77.2	60.2	22.6	59.5	65.9
Kyiv	62.0	36.1	79.4	84.7	84.4	88.5	62.6	7.0	64.8	71.9
Kirovohrad	60.4	40.4	75.7	81.3	84.8	83.6	64.4	10.4	62.8	70.4
Luhansk	66.2	42.7	87.5	85.9	90.6	89.4	68.5	18.2	70.3	76.5
Lviv	60.6	35.8	79.4	81.9	85.0	82.2	65.5	6.8	61.6	69.5
Mykolaiv	63.6	35.1	75.8	80.6	85.6	89.5	76.1	11.0	61.4	73.8
Odesa	60.8	31.9	75.9	81.3	83.7	84.7	68.9	10.5	59.8	70.1
Poltava	61.0	34.6	80.2	82.0	82.7	88.0	64.4	8.3	62.8	71.4
Rivne	63.6	34.4	71.6	77.8	83.9	77.9	66.9	45.0	56.7	66.4
Sumy	62.6	30.3	75.5	78.7	87.9	88.1	68.6	20.6	59.1	71.4
Ternopil	58.7	38.1	77.5	78.9	81.2	77.4	61.7	9.2	60.9	67.0
Kharkiv	63.8	21.7	84.2	87.7	91.3	90.1	75.6	11.3	60.6	74.3
Kherson	62.8	41.4	77.9	79.7	88.0	89.2	69.6	7.0	63.9	73.6
Khmelnysk	59.5	41.6	76.9	77.9	79.8	80.2	63.1	11.8	62.4	68.6
Cherkasy	62.7	34.9	83.5	85.9	92.1	88.1	68.9	6.6	64.8	74.2
Chernivtsi	61.5	30.3	70.4	75.2	79.1	78.8	60.5	48.3	54.0	63.6
Chernihiv	62.6	41.8	80.4	84.2	81.6	83.3	68.5	16.0	67.1	72.7
Kyiv city	66.7	24.2	84.8	87.7	88.9	87.7	75.0	28.1	62.2	74.0

**1.16. Employed population, by age group and region**

(thsd. prs.)

	Employed population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>16,276.9</b>	<b>1,143.6</b>	<b>2,149.3</b>	<b>2,397.5</b>	<b>2,263.9</b>	<b>4,194.2</b>	<b>3,477.6</b>	<b>650.8</b>	<b>5,690.4</b>	<b>15,626.1</b>
Vinnitsia	658.8	53.6	80.6	92.1	89.8	174.6	140.5	27.6	226.3	631.2
Volyn	382.1	34.7	54.1	53.7	54.7	99.5	79.9	5.5	142.5	376.6
Dnipropetrovsk	1,425.4	80.6	190.4	221.6	209.2	361.9	323.2	38.5	492.6	1,386.9
Donetsk	748.4	57.4	97.2	106.2	105.0	191.7	164.1	26.8	260.8	721.6
Zhytomyr	507.6	49.9	70.6	66.1	62.6	127.9	102.3	28.2	186.6	479.4
Zakarpattia	505.5	54.4	73.0	74.0	73.1	122.3	92.5	16.2	201.4	489.3
Zaporizhia	734.9	52.9	89.1	100.9	102.6	195.5	167.0	26.9	242.9	708.0
Ivano-Frankivsk	556.9	44.9	78.9	79.0	75.6	139.7	107.3	31.5	202.8	525.4
Kyiv	736.3	48.1	104.6	116.4	102.2	205.2	146.1	13.7	269.1	722.6
Kirovohrad	375.7	29.5	50.8	51.2	46.8	105.5	79.6	12.3	131.5	363.4
Luhansk	298.5	22.9	34.5	42.3	42.5	72.3	66.6	17.4	99.7	281.1
Lviv	1,047.0	74.9	149.7	167.5	147.3	260.8	228.8	18.0	392.1	1,029.0
Mykolaiv	498.1	34.1	63.9	69.3	63.8	130.7	120.9	15.4	167.3	482.7
Odesa	1,000.6	72.0	134.2	150.8	141.3	264.5	208.6	29.2	357.0	971.4
Poltava	570.4	38.4	81.1	80.2	71.1	165.1	119.9	14.6	199.7	555.8
Rivne	474.2	36.3	52.3	65.8	64.6	106.2	100.4	48.6	154.4	425.6
Sumy	478.5	27.4	59.5	61.7	60.1	130.2	109.6	30.0	148.6	448.5
Ternopil	407.6	33.8	53.9	58.7	56.6	108.1	86.2	10.3	146.4	397.3
Kharkiv	1,236.6	62.6	161.1	204.4	183.8	303.9	281.8	39.0	428.1	1,197.6
Kherson	441.0	39.4	58.4	57.4	61.8	117.0	98.1	8.9	155.2	432.1
Khmelnysk	510.1	41.6	73.7	67.5	63.6	137.6	108.3	17.8	182.8	492.3
Cherkasy	517.5	34.2	72.9	70.5	67.0	148.5	114.0	10.4	177.6	507.1
Chernivtsi	376.1	23.1	43.5	50.0	51.9	93.2	69.4	45.0	116.6	331.1
Chernihiv	424.8	31.9	57.4	61.7	53.4	101.6	97.1	21.7	151.0	403.1
Kyiv city	1,364.3	65.0	163.9	228.5	213.5	330.7	265.4	97.3	457.4	1,267.0

**1.17. Employment rate of population, by age group and region**

(percent)

	Employment rate of population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>56.3</b>	<b>27.0</b>	<b>69.8</b>	<b>74.7</b>	<b>78.4</b>	<b>78.2</b>	<b>62.4</b>	<b>14.3</b>	<b>54.1</b>	<b>64.2</b>
Vinnitsia	56.6	29.7	64.9	76.9	82.5	78.2	63.0	15.0	53.3	64.4
Volyn	51.0	27.3	63.7	62.5	71.2	72.9	57.6	5.6	47.8	57.9
Dnipropetrovsk	59.1	25.1	73.5	81.5	84.9	81.1	67.4	9.9	57.8	68.5
Donetsk	50.0	32.0	62.5	63.7	68.7	70.1	53.6	10.3	52.0	58.5
Zhytomyr	55.9	34.9	72.6	68.4	72.8	74.5	58.9	20.3	55.4	62.4
Zakarpattia	54.8	33.8	70.5	71.6	76.9	71.7	55.9	13.1	54.7	61.2
Zaporizhia	56.0	31.2	64.1	72.0	78.2	80.3	62.9	12.1	54.1	65.0
Ivano-Frankivsk	54.7	26.1	69.3	70.4	75.7	74.4	55.6	22.6	50.9	59.8
Kyiv	57.8	27.6	75.2	78.1	80.3	85.2	58.5	7.0	58.2	66.9
Kirovohrad	52.9	28.8	66.2	72.4	71.1	77.6	56.8	10.4	52.7	61.4
Luhansk	55.6	34.3	61.5	75.5	81.3	73.0	59.7	18.2	55.8	63.6
Lviv	55.9	24.4	75.0	78.3	80.7	76.6	62.8	6.8	54.5	64.0
Mykolaiv	57.5	27.9	67.4	72.6	74.9	82.5	71.1	11.0	53.5	66.5
Odesa	56.7	27.2	70.2	74.3	80.1	80.6	64.3	10.5	54.2	65.3
Poltava	53.3	26.4	71.3	72.0	67.9	79.3	57.0	8.3	53.8	62.2
Rivne	56.9	24.2	56.1	70.9	77.7	69.6	65.2	45.0	46.0	58.7
Sumy	56.8	24.9	68.0	70.4	73.6	82.6	63.6	20.6	52.1	64.4
Ternopil	52.0	26.3	64.4	68.1	73.0	75.0	56.7	9.2	49.1	59.1
Kharkiv	59.7	21.5	76.3	87.0	86.9	80.4	70.7	11.3	58.0	69.4
Kherson	55.8	34.6	67.4	67.5	80.9	80.0	63.2	7.0	54.3	65.1
Khmelnysk	53.9	29.4	73.8	69.6	70.4	76.6	57.9	11.8	54.0	61.9
Cherkasy	56.2	26.8	75.8	73.7	78.2	83.9	62.8	6.6	55.6	66.4
Chernivtsi	56.2	19.7	60.1	66.3	76.4	75.7	57.7	48.3	44.0	57.4
Chernihiv	55.6	32.2	70.7	74.4	74.4	72.8	62.9	16.0	57.4	64.1
Kyiv city	62.3	20.5	74.5	82.6	85.1	82.6	70.2	28.0	56.2	68.8

**1.18. Unemployed population, by age group and region**

(thsd. prs.)

	Unemployed population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>1,678.2</b>	<b>340.7</b>	<b>284.2</b>	<b>235.6</b>	<b>197.1</b>	<b>347.5</b>	<b>272.4</b>	<b>0.7</b>	<b>860.5</b>	<b>1,677.5</b>
Vinnitsia	71.0	12.7	14.9	5.4	8.0	16.1	13.9	ó	33.0	71.0
Volyn	49.7	11.6	7.5	9.2	6.8	7.4	7.2	ó	28.3	49.7
Dnipropetrovsk	121.7	22.1	19.4	16.1	9.2	34.1	20.8	ó	57.6	121.7
Donetsk	122.9	18.6	24.7	26.1	16.9	23.6	13.0	ó	69.4	122.9
Zhytomyr	63.7	18.9	9.2	9.2	7.6	13.0	5.8	ó	37.3	63.7
Zakarpattia	56.3	21.9	11.7	4.0	1.8	6.8	10.1	ó	37.6	56.3
Zaporizhia	81.4	10.5	14.1	14.5	8.8	19.5	14.0	ó	39.1	81.4
Ivano-Frankivsk	53.5	18.2	10.7	5.2	5.3	5.2	8.9	ó	34.1	53.5
Kyiv	53.5	14.7	5.9	9.8	5.1	7.9	10.1	ó	30.4	53.5
Kirovohrad	53.1	11.8	7.3	6.3	9.0	8.1	10.6	ó	25.4	53.1
Luhansk	57.0	5.6	14.6	5.8	4.9	16.2	9.9	ó	26.0	57.0
Lviv	87.9	34.9	8.7	7.6	7.9	19.0	9.8	ó	51.2	87.9
Mykolaiv	53.3	8.8	8.0	7.7	9.1	11.1	8.5	0.1	24.5	53.2
Odesa	72.5	12.5	10.8	14.1	6.3	13.7	15.1	ó	37.4	72.5
Poltava	82.6	12.0	10.2	11.1	15.5	18.1	15.7	ó	33.3	82.6
Rivne	56.3	15.2	14.5	6.4	5.1	12.6	2.5	ó	36.1	56.3
Sumy	48.8	6.0	6.6	7.3	11.7	8.7	8.5	ó	19.9	48.8
Ternopil	52.8	15.1	11.0	9.3	6.3	3.5	7.6	ó	35.4	52.8
Kharkiv	84.6	0.5	16.7	1.6	9.4	36.7	19.7	ó	18.8	84.6
Kherson	55.9	7.8	9.1	10.4	5.4	13.4	9.8	ó	27.3	55.9
Khmelnysk	53.0	17.3	3.0	8.1	8.5	6.4	9.7	ó	28.4	53.0
Cherkasy	59.8	10.3	7.4	11.7	11.9	7.3	11.2	ó	29.4	59.8
Chernivtsi	35.7	12.5	7.5	6.7	1.8	3.8	3.4	ó	26.7	35.7
Chernihiv	53.9	9.5	7.9	8.1	5.2	14.6	8.6	ó	25.5	53.9
Kyiv city	97.3	11.7	22.8	13.9	9.6	20.7	18.0	0.6	48.4	96.7

**1.19. Unemployment rate of population, by age group and region**

(percent)

	Unemployment rate of population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age (15-59)
<b>Ukraine</b>	<b>9.3</b>	<b>23.0</b>	<b>11.7</b>	<b>8.9</b>	<b>8.0</b>	<b>7.7</b>	<b>7.3</b>	<b>0.1</b>	<b>13.1</b>	<b>9.7</b>
Vinnitsia	9.7	19.2	15.6	5.5	8.2	8.4	9.0	ó	12.7	10.1
Volyn	11.5	25.1	12.2	14.6	11.1	6.9	8.3	ó	16.6	11.7
Dnipropetrovsk	7.9	21.5	9.2	6.8	4.2	8.6	6.0	ó	10.5	8.1
Donetsk	14.1	24.5	20.3	19.7	13.9	11.0	7.3	ó	21.0	14.6
Zhytomyr	11.2	27.5	11.5	12.2	10.8	9.2	5.4	ó	16.7	11.7
Zakarpattia	10.0	28.7	13.8	5.1	2.4	5.3	9.8	ó	15.7	10.3
Zaporizhia	10.0	16.6	13.7	12.6	7.9	9.1	7.7	ó	13.9	10.3
Ivano-Frankivsk	8.8	28.8	11.9	6.2	6.6	3.6	7.7	ó	14.4	9.2
Kyiv	6.8	23.4	5.3	7.8	4.8	3.7	6.5	ó	10.2	6.9
Kirovohrad	12.4	28.6	12.6	11.0	16.1	7.1	11.8	ó	16.2	12.7
Luhansk	16.0	19.6	29.7	12.1	10.3	18.3	12.9	ó	20.7	16.9
Lviv	7.7	31.8	5.5	4.3	5.1	6.8	4.1	ó	11.5	7.9
Mykolaiv	9.7	20.5	11.1	10.0	12.5	7.8	6.6	0.6	12.8	9.9
Odesa	6.8	14.8	7.4	8.6	4.3	4.9	6.8	ó	9.5	6.9
Poltava	12.6	23.8	11.2	12.2	17.9	9.9	11.6	ó	14.3	12.9
Rivne	10.6	29.5	21.7	8.9	7.3	10.6	2.4	ó	19.0	11.7
Sumy	9.3	18.0	10.0	10.6	16.3	6.3	7.2	ó	11.8	9.8
Ternopil	11.5	30.9	16.9	13.7	10.0	3.1	8.1	ó	19.5	11.7
Kharkiv	6.4	0.8	9.4	0.8	4.9	10.8	6.5	ó	4.2	6.6
Kherson	11.2	16.5	13.5	15.3	8.0	10.3	9.1	ó	15.0	11.5
Khmelnysk	9.4	29.4	3.9	10.7	11.8	4.4	8.2	ó	13.4	9.7
Cherkasy	10.4	23.1	9.2	14.2	15.1	4.7	8.9	ó	14.2	10.5
Chernivtsi	8.7	35.1	14.7	11.8	3.4	3.9	4.7	ó	18.6	9.7
Chernihiv	11.3	22.9	12.1	11.6	8.9	12.6	8.1	ó	14.4	11.8
Kyiv city	6.7	15.3	12.2	5.7	4.3	5.9	6.4	0.6	9.6	7.1

**1.20. Economically inactive population, by age group and region**

(thsd. prs.)

	Economically inactive population aged 15-70	including by age group (years)								
		15-24	25-29	30-34	35-39	40-49	50-59	60-70	15-34	Working age
<b>Ukraine</b>	<b>10,934.1</b>	<b>2,747.9</b>	<b>646.9</b>	<b>577.3</b>	<b>427.2</b>	<b>820.6</b>	<b>1,819.4</b>	<b>3,894.8</b>	<b>3,972.1</b>	<b>7,039.3</b>
Vinnitsia	433.2	114.1	28.6	22.3	11.1	32.6	68.6	155.9	165.0	277.3
Volyn	317.2	80.8	23.3	23.0	15.3	29.6	51.7	93.5	127.1	223.7
Dnipropetrovsk	866.2	218.3	49.3	34.2	28.0	50.1	135.6	350.7	301.8	515.5
Donetsk	624.1	103.3	33.6	34.5	31.0	58.2	129.3	234.2	171.4	389.9
Zhytomyr	336.2	74.3	17.5	21.3	15.8	30.7	65.7	110.9	113.1	225.3
Zakarpattia	361.1	84.6	18.9	25.4	20.1	41.5	62.8	107.8	128.9	253.3
Zaporizhia	496.3	106.4	35.8	24.8	19.8	28.6	84.6	196.3	167.0	300.0
Ivano-Frankivsk	407.5	109.0	24.2	28.0	19.0	42.9	76.7	107.7	161.2	299.8
Kyiv	485.0	111.4	28.6	22.8	19.9	27.7	93.4	181.2	162.8	303.8
Kirovohrad	281.3	61.0	18.6	13.2	10.0	22.3	49.9	106.3	92.8	175.0
Luhansk	181.6	38.2	7.0	7.9	4.9	10.5	35.1	78.0	53.1	103.6
Lviv	736.6	196.7	41.1	38.7	27.3	60.6	125.9	246.3	276.5	490.3
Mykolaiv	315.4	79.4	22.9	18.5	12.3	16.7	40.6	125.0	120.8	190.4
Odesa	692.1	180.5	46.1	38.0	28.8	50.1	100.8	247.8	264.6	444.3
Poltava	417.4	95.3	22.5	20.1	18.1	25.0	74.8	161.6	137.9	255.8
Rivne	303.0	98.2	26.5	20.6	13.4	33.8	51.0	59.5	145.3	243.5
Sumy	314.8	76.7	21.4	18.7	9.9	18.7	54.1	115.3	116.8	199.5
Ternopil	323.9	79.5	18.8	18.2	14.6	32.6	58.3	101.9	116.5	222.0
Kharkiv	748.8	228.3	33.4	29.0	18.4	37.3	97.1	305.3	290.7	443.5
Kherson	293.9	66.7	19.1	17.3	9.2	15.8	47.2	118.6	103.1	175.3
Khmelnysk	383.0	82.6	23.1	21.4	18.3	35.6	69.0	133.0	127.1	250.0
Cherkasy	342.8	83.1	15.9	13.5	6.8	21.1	56.4	146.0	112.5	196.8
Chernivtsi	257.8	81.8	21.4	18.7	14.2	26.1	47.5	48.1	121.9	209.7
Chernihiv	285.7	57.7	15.9	13.1	13.2	23.3	48.6	113.9	86.7	171.8
Kyiv city	729.2	240.0	33.4	34.1	27.8	49.2	94.7	250.0	307.5	479.2



**1.21. Economically active population, by level of education and region**

	Economically active population, thsd. prs.								Economic activity rate, percent							
	Total	by level of education							Total	by level of education						
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
<b>Ukraine</b>	<b>17,955.1</b>	<b>5,708.8</b>	<b>219.6</b>	<b>3,507.4</b>	<b>4,780.0</b>	<b>3,388.7</b>	<b>338.4</b>	<b>12.2</b>	<b>62.2</b>	<b>76.9</b>	<b>54.5</b>	<b>67.6</b>	<b>70.4</b>	<b>47.2</b>	<b>19.9</b>	<b>6.1</b>
Vinnitsia	729.8	205.0	6.5	157.2	190.3	145.0	25.7	0.1	62.8	78.3	54.2	67.2	71.1	51.9	25.0	1.9
Volyn	431.8	108.3	4.2	76.1	128.3	108.7	6.2	ó	57.7	74.5	62.7	67.3	68.4	45.7	11.6	ó
Dnipropetrovsk	1,547.1	419.5	22.0	384.5	403.5	294.7	22.0	0.9	64.1	77.2	57.9	72.2	73.1	48.4	17.7	6.8
Donetsk	871.3	212.6	19.0	187.9	295.9	137.0	16.6	2.3	58.3	70.8	70.4	61.8	65.6	43.7	22.6	8.7
Zhytomyr	571.3	136.7	7.0	134.1	170.0	113.3	10.0	0.2	63.0	78.2	66.7	71.3	69.2	48.3	20.2	4.4
Zakarpattia	561.8	131.3	6.9	57.4	62.5	273.6	29.2	0.9	60.9	82.3	56.6	63.4	71.8	57.9	34.1	6.0
Zaporizhia	816.3	266.8	9.8	156.6	241.7	131.5	9.9	ó	62.2	76.7	68.5	66.2	70.0	44.3	15.6	ó
Ivano-Frankivsk	610.4	169.7	6.8	94.1	134.3	177.9	27.2	0.4	60.0	79.3	50.7	70.9	72.3	49.8	25.7	4.3
Kyiv	789.8	241.3	12.8	156.4	204.5	169.8	4.4	0.6	62.0	75.4	56.4	71.5	70.3	47.5	7.3	13.3
Kirovohrad	428.8	126.1	5.8	92.1	123.6	73.1	8.0	0.1	60.4	78.1	75.3	63.3	65.5	47.2	18.0	1.4
Luhansk	355.5	94.6	7.3	77.7	117.8	50.5	7.0	0.6	66.2	80.2	60.8	67.1	68.0	57.3	28.6	10.7
Lviv	1,134.9	365.1	13.1	204.1	422.2	123.7	6.7	ó	60.6	79.1	37.6	69.1	68.6	35.5	6.5	ó
Mykolaiv	551.4	167.9	6.6	102.0	157.6	102.0	14.9	0.4	63.6	75.4	57.9	65.2	71.3	54.1	23.4	12.5
Odesa	1,073.1	368.1	8.6	178.8	273.3	226.0	18.3	ó	60.8	70.5	41.7	71.9	75.0	47.9	13.6	ó
Poltava	653.0	188.8	7.0	164.5	223.8	61.0	7.7	0.2	61.0	72.7	56.9	63.7	69.6	36.6	16.6	3.8
Rivne	530.5	132.7	9.8	82.2	154.3	131.9	18.0	1.6	63.6	73.7	64.9	68.2	75.0	54.7	29.2	17.2
Sumy	527.3	127.5	3.0	112.9	177.3	101.5	4.1	1.0	62.6	75.3	38.5	66.8	72.1	48.9	12.9	9.3
Ternopil	460.4	161.3	7.2	98.0	128.7	58.9	6.3	ó	58.7	80.0	57.6	63.2	62.2	40.2	11.0	ó
Kharkiv	1,321.2	549.9	6.4	239.1	298.8	212.9	13.7	0.4	63.8	78.8	32.5	67.9	72.3	40.8	22.5	9.3
Kherson	496.9	106.5	5.3	104.2	147.8	110.8	21.5	0.8	62.8	71.0	76.8	66.2	71.9	58.2	32.7	5.4
Khmelnysk	563.1	154.3	10.3	103.9	205.8	77.0	10.6	1.2	59.5	74.1	86.6	59.7	67.5	44.6	15.7	17.1
Cherkasy	577.3	158.0	6.5	135.0	168.6	102.5	6.7	ó	62.7	80.7	55.1	66.4	69.4	48.5	13.6	ó
Chernivtsi	411.8	99.1	4.4	71.9	75.9	133.5	26.5	0.5	61.5	71.5	58.7	68.9	69.9	58.8	34.3	7.8
Chernihiv	478.7	134.6	8.1	99.1	131.0	96.3	9.6	ó	62.6	75.4	82.7	66.0	73.9	48.7	21.2	ó
Kyiv city	1,461.6	883.1	15.2	237.6	142.5	175.6	7.6	ó	66.7	80.9	34.4	71.6	77.2	36.1	15.4	ó

**1.22. Employed population, by level of education and region**

	Employed population aged 15-70, thsd. prs.								Employment rate, percent							
	Total	by level of education							Total	by level of education						
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
<b>Ukraine</b>	<b>16,276.9</b>	<b>5,253.3</b>	<b>186.0</b>	<b>3,225.6</b>	<b>4,271.6</b>	<b>3,019.4</b>	<b>311.2</b>	<b>9.8</b>	<b>56.3</b>	<b>70.8</b>	<b>46.2</b>	<b>62.2</b>	<b>62.9</b>	<b>42.1</b>	<b>18.3</b>	<b>4.9</b>
Vinnitsia	658.8	180.1	5.4	147.2	173.8	128.9	23.3	0.1	56.6	68.8	45.0	62.9	64.9	46.1	22.7	1.9
Volyn	382.1	96.1	4.2	72.0	108.0	95.8	6.0	6	51.0	66.1	62.7	63.7	57.6	40.3	11.2	6
Dnipropetrovsk	1,425.4	389.8	22.0	366.2	363.9	260.6	22.0	0.9	59.1	71.7	57.9	68.7	65.9	42.8	17.7	6.8
Donetsk	748.4	191.6	18.9	162.6	249.9	109.9	14.4	1.1	50.0	63.8	70.0	53.5	55.4	35.1	19.6	4.2
Zhytomyr	507.6	124.7	4.1	121.4	144.8	104.0	8.4	0.2	55.9	71.4	39.0	64.6	59.0	44.3	16.9	4.4
Zakarpattia	505.5	121.7	6.2	55.0	59.6	235.6	26.5	0.9	54.8	76.3	50.8	60.7	68.4	49.8	30.9	6.0
Zaporizhia	734.9	238.0	8.8	143.1	214.9	120.6	9.5	6	56.0	68.4	61.5	60.5	62.3	40.6	15.0	6
Ivano-Frankivsk	556.9	158.5	3.8	80.4	125.1	163.1	25.6	0.4	54.7	74.1	28.4	60.6	67.4	45.6	24.2	4.3
Kyiv	736.3	229.9	12.6	143.3	190.4	155.4	4.1	0.6	57.8	71.8	55.5	65.6	65.4	43.5	6.8	13.3
Kirovohrad	375.7	112.7	5.4	82.7	105.2	63.2	6.4	0.1	52.9	69.8	70.1	56.8	55.7	40.8	14.4	1.4
Luhansk	298.5	84.3	6.5	63.3	92.7	44.7	6.5	0.5	55.6	71.5	54.2	54.7	53.5	50.7	26.5	8.9
Lviv	1,047.0	333.7	8.0	191.5	391.0	117.7	5.1	6	55.9	72.3	23.0	64.9	63.5	33.8	4.9	6
Mykolaiv	498.1	155.2	5.3	93.5	140.6	90.8	12.3	0.4	57.5	69.7	46.5	59.8	63.6	48.2	19.3	12.5
Odesa	1,000.6	340.9	8.6	172.2	260.1	200.5	18.3	6	56.7	65.3	41.7	69.3	71.4	42.5	13.6	6
Poltava	570.4	176.3	6.2	143.6	185.8	51.7	6.6	0.2	53.3	67.9	50.4	55.6	57.8	31.0	14.2	3.8
Rivne	474.2	119.2	9.1	77.4	139.9	110.2	16.8	1.6	56.9	66.2	60.3	64.2	68.0	45.7	27.2	17.2
Sumy	478.5	121.4	3.0	106.1	157.8	85.4	3.8	1.0	56.8	71.7	38.5	62.8	64.2	41.2	11.9	9.3
Ternopil	407.6	145.1	6.1	88.8	112.6	49.0	6.0	6	52.0	72.0	48.8	57.3	54.4	33.5	10.4	6
Kharkiv	1,236.6	517.4	6.4	224.7	276.0	198.0	13.7	0.4	59.7	74.2	32.5	63.8	66.8	37.9	22.5	9.3
Kherson	441.0	93.6	3.8	93.7	132.4	96.9	19.8	0.8	55.8	62.4	55.1	59.5	64.4	50.9	30.1	5.4
Khmelnysk	510.1	142.6	4.2	95.1	184.5	73.7	9.9	0.1	53.9	68.5	35.3	54.7	60.5	42.7	14.6	1.4
Cherkasy	517.5	143.6	4.8	124.5	148.1	89.8	6.7	6	56.2	73.3	40.7	61.3	60.9	42.5	13.6	6
Chernivtsi	376.1	85.3	2.2	66.5	72.0	123.1	26.5	0.5	56.2	61.5	29.3	63.8	66.3	54.3	34.3	7.8
Chernihiv	424.8	125.3	6.5	90.7	111.1	84.3	6.9	6	55.6	70.2	66.3	60.4	62.7	42.7	15.3	6
Kyiv city	1,364.3	826.3	13.9	220.1	131.4	166.5	6.1	6	62.3	75.7	31.4	66.4	71.2	34.3	12.3	6

**1.23. Economically inactive population, by level of education and region**

	Economically inactive population aged 15-70, thsd. prs.								Economic inactivity rate, percent							
	Total	by level of education							Total	by level of education						
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
<b>Ukraine</b>	<b>10,934.1</b>	<b>1,713.7</b>	<b>183.2</b>	<b>1,680.5</b>	<b>2,013.1</b>	<b>3,790.6</b>	<b>1,364.3</b>	<b>188.7</b>	<b>37.8</b>	<b>23.1</b>	<b>45.5</b>	<b>32.4</b>	<b>29.6</b>	<b>52.8</b>	<b>80.1</b>	<b>93.9</b>
Vinnitsia	433.2	56.7	5.5	76.9	77.4	134.5	76.9	5.3	37.2	21.7	45.8	32.8	28.9	48.1	75.0	98.1
Volyn	317.2	37.1	2.5	36.9	59.2	129.0	47.4	5.1	42.3	25.5	37.3	32.7	31.6	54.3	88.4	100.0
Dnipropetrovsk	866.2	123.8	16.0	148.4	148.5	314.8	102.4	12.3	35.9	22.8	42.1	27.8	26.9	51.6	82.3	93.2
Donetsk	624.1	87.8	8.0	116.1	155.0	176.2	57.0	24.0	41.7	29.2	29.6	38.2	34.4	56.3	77.4	91.3
Zhytomyr	336.2	38.0	3.5	53.9	75.5	121.4	39.6	4.3	37.0	21.8	33.3	28.7	30.8	51.7	79.8	95.6
Zakarpattia	361.1	28.2	5.3	33.2	24.6	199.2	56.5	14.1	39.1	17.7	43.4	36.6	28.2	42.1	65.9	94.0
Zaporizhia	496.3	80.9	4.5	80.0	103.4	165.6	53.5	8.4	37.8	23.3	31.5	33.8	30.0	55.7	84.4	100.0
Ivano-Frankivsk	407.5	44.2	6.6	38.6	51.4	179.4	78.5	8.8	40.0	20.7	49.3	29.1	27.7	50.2	74.3	95.7
Kyiv	485.0	78.7	9.9	62.2	86.6	187.6	56.1	3.9	38.0	24.6	43.6	28.5	29.7	52.5	92.7	86.7
Kirovohrad	281.3	35.4	1.9	53.5	65.2	81.7	36.5	7.1	39.6	21.9	24.7	36.7	34.5	52.8	82.0	98.6
Luhansk	181.6	23.3	4.7	38.1	55.4	37.6	17.5	5.0	33.8	19.8	39.2	32.9	32.0	42.7	71.4	89.3
Lviv	736.6	96.5	21.7	91.1	193.5	224.8	97.0	12.0	39.4	20.9	62.4	30.9	31.4	64.5	93.5	100.0
Mykolaiv	315.4	54.7	4.8	54.4	63.5	86.4	48.8	2.8	36.4	24.6	42.1	34.8	28.7	45.9	76.6	87.5
Odesa	692.1	153.7	12.0	69.8	91.2	245.9	116.2	3.3	39.2	29.5	58.3	28.1	25.0	52.1	86.4	100.0
Poltava	417.4	71.0	5.3	93.8	97.9	105.6	38.7	5.1	39.0	27.3	43.1	36.3	30.4	63.4	83.4	96.2
Rivne	303.0	47.4	5.3	38.3	51.5	109.1	43.7	7.7	36.4	26.3	35.1	31.8	25.0	45.3	70.8	82.8
Sumy	314.8	41.8	4.8	56.1	68.6	106.0	27.8	9.7	37.4	24.7	61.5	33.2	27.9	51.1	87.1	90.7
Ternopil	323.9	40.2	5.3	57.1	78.1	87.5	51.2	4.5	41.3	20.0	42.4	36.8	37.8	59.8	89.0	100.0
Kharkiv	748.8	147.8	13.3	112.9	114.5	309.3	47.1	3.9	36.2	21.2	67.5	32.1	27.7	59.2	77.5	90.7
Kherson	293.9	43.5	1.6	53.3	57.7	79.7	44.2	13.9	37.2	29.0	23.2	33.8	28.1	41.8	67.3	94.6
Khmelnysk	383.0	54.0	1.6	70.1	99.0	95.5	57.0	5.8	40.5	25.9	13.4	40.3	32.5	55.4	84.3	82.9
Cherkasy	342.8	37.8	5.3	68.2	74.4	108.7	42.4	6.0	37.3	19.3	44.9	33.6	30.6	51.5	86.4	100.0
Chernivtsi	257.8	39.5	3.1	32.4	32.7	93.4	50.8	5.9	38.5	28.5	41.3	31.1	30.1	41.2	65.7	92.2
Chernihiv	285.7	43.8	1.7	51.1	46.2	101.3	35.6	6.0	37.4	24.6	17.3	34.0	26.1	51.3	78.8	100.0
Kyiv city	729.2	207.9	29.0	94.1	42.1	310.4	41.9	3.8	33.3	19.1	65.6	28.4	22.8	63.9	84.6	100.0

# **EMPLOYED POPULATION, 2016**

## **SECTION 2**

## 2.1. Employed population, by status in employment, sex and place of residence

	Employed aged 15-70, thsd. prs	including by status in employment, in percentage to the total			
		employees	employers	own-account workers <sup>1</sup>	contributing family workers
<b>Total</b>					
I quarter	16,054.8	85.1	1.1	13.6	0.2
II quarter	16,423.9	83.8	1.3	14.6	0.3
quarter	16,524.2	83.8	1.3	14.6	0.3
V quarter	16,104.7	84.8	1.0	13.9	0.3
year	16,276.9	84.4	1.2	14.2	0.2
<b>Women</b>					
I quarter	7,777.5	87.2	0.8	11.8	0.2
II quarter	7,859.0	85.9	0.8	13.0	0.3
quarter	7,919.1	85.9	0.9	13.0	0.2
V quarter	7,753.9	87.1	0.7	12.0	0.2
year	7,827.4	86.6	0.8	12.4	0.2
<b>Men</b>					
I quarter	8,277.3	83.0	1.4	15.3	0.3
II quarter	8,564.9	81.9	1.7	16.2	0.2
quarter	8,605.1	81.9	1.5	16.3	0.3
V quarter	8,350.8	82.6	1.4	15.8	0.2
year	8,449.5	82.3	1.5	15.9	0.3
<b>Urban settlements</b>					
I quarter	11,138.1	91.7	1.3	6.9	0.1
II quarter	11,258.1	91.4	1.4	7.1	0.1
quarter	11,238.9	91.4	1.5	7.0	0.1
V quarter	11,078.8	91.4	1.1	7.4	0.1
year	11,178.5	91.4	1.3	7.2	0.1
<b>Rural areas</b>					
I quarter	4,916.7	70.0	0.6	28.9	0.5
II quarter	5,165.8	67.6	0.9	30.9	0.6
quarter	5,285.3	67.8	0.7	30.9	0.6
V quarter	5,025.9	70.3	0.8	28.4	0.5
year	5,098.4	68.9	0.8	29.8	0.5

<sup>1</sup> Including persons who worked in collaboration with partners.

## 2.2. Employed population, by type of economic activity

(thsd. prs.)

	Total	including	
		employees of enterprises, establishments and organizations	in percentage to the total
<b>Total<sup>1</sup></b>	<b>16,276.9</b>	<b>9,330.2</b>	<b>100.0</b>
including by type of economic activity			
agriculture, forestry and fishing	2,866.5	562.3	6.0
industry	2,494.8	2,097.0	22.5
construction	644.5	245.9	2.6
wholesale and retail trade; repair of motor vehicles and motorcycles	3,516.2	903.6	9.7
transportation and storage	997.2	706.5	7.6
accommodation and food service activities	276.7	96.8	1.0
information and communication	275.2	165.9	1.8
financial and insurance activities	225.6	205.5	2.2
real estate activities	255.5	147.0	1.6
professional, scientific and technical activities	428.1	313.0	3.4
administrative and support service activities	304.3	253.3	2.7
public administration and defence, compulsory social security	973.1	973.1	10.4
education	1,441.4	1,421.4	15.2
human health and social work activities	1,030.4	997.3	10.7
arts, entertainment and recreation	201.6	167.2	1.8
other types of economic activity	345.8	74.4	0.8

<sup>1</sup> Methodology of indicator provides a definition of population employment by the place of its residence. The distribution of the total employed by type of economic activity is made through a complex estimate based on integration of different sources.

## 2.3. Employed population, by type economic activity and region

(thsd. prs.)

	Total <sup>1</sup>	including							
		agriculture, forestry and fishing	industry	construction	wholesale and retail trade; repair of motor vehicles and motorcycles	transportation and storage	accommodation and food service activities	information and communication	financial and insurance activities
<b>Ukraine</b>	<b>16,276.9</b>	<b>2,866.5</b>	<b>2,494.8</b>	<b>644.5</b>	<b>3,516.2</b>	<b>997.2</b>	<b>276.7</b>	<b>275.2</b>	<b>225.6</b>
Vinnitsya	658.8	205.8	71.2	15.7	129.7	41.5	5.7	6.0	5.8
Volyn	382.1	79.6	50.3	9.7	87.0	20.0	5.7	3.0	3.9
Dnipropetrovsk	1,425.4	107.4	353.6	54.3	349.1	92.1	21.3	27.5	25.4
Donetsk	748.4	63.6	232.9	29.8	144.0	50.6	8.2	9.9	5.0
Zhytomyr	507.6	73.6	72.5	20.1	123.9	37.3	6.9	7.6	4.7
Zakarpattia	505.5	125.4	58.8	28.5	89.5	25.6	15.0	3.2	3.3
Zaporizhia	734.9	122.2	163.1	28.7	157.5	37.3	13.2	8.6	7.5
Ivano-Frankivsk	556.9	160.1	68.8	25.8	104.6	23.2	8.7	3.6	4.2
Kyiv	736.3	47.2	127.0	27.9	157.3	65.9	14.4	13.5	12.9
Kirovohrad	375.7	103.4	48.7	12.3	62.1	24.7	4.9	4.2	2.3
Luhansk	298.5	38.2	82.2	11.2	65.9	16.6	5.6	2.4	1.5
Lviv	1,047.0	191.5	148.9	69.5	191.4	63.6	24.1	18.1	11.3
Mykolaiv	498.1	138.6	66.3	16.4	96.1	29.6	7.5	3.3	3.2
Odesa	1,000.6	165.9	82.8	40.2	234.4	107.1	23.7	16.0	11.4
Poltava	570.4	120.6	99.4	16.7	117.2	38.5	8.8	4.9	5.0
Rivne	474.2	85.5	63.8	21.0	120.9	26.5	9.8	4.8	4.2
Sumy	478.5	111.9	71.9	22.9	94.4	27.3	3.7	4.1	3.4
Ternopil	407.6	132.9	35.1	12.5	68.2	19.6	6.5	3.4	3.0
Kharkiv	1,236.6	167.5	226.5	54.6	299.8	72.1	17.5	22.8	10.4
Kherson	441.0	130.3	39.8	12.9	95.3	23.0	6.3	3.3	3.7
Khmelnitsky	510.1	137.0	63.3	13.9	112.3	24.0	4.8	3.8	3.8
Cherkasy	517.5	147.2	74.0	22.5	90.3	28.0	5.6	4.8	5.6
Chernivtsi	376.1	108.3	36.9	17.7	70.4	16.0	8.7	3.3	3.0
Chernihiv	424.8	99.2	54.0	8.8	94.4	20.5	4.7	4.7	5.4
Kyiv city	1,364.3	3.6	103.0	50.9	360.5	66.6	35.4	88.4	75.7

<sup>1</sup> See footnote to Table 2.2.

Table 2.3. continued

	including							
	real estate activities	professional, scientific and technical activities	administrative and support service activities	public administration and defense, compulsory social security	education	human health and social work activities	arts, entertainment and recreation	other types of economic activity
<b>Ukraine</b>	<b>255.5</b>	<b>428.1</b>	<b>304.3</b>	<b>973.1</b>	<b>1,441.4</b>	<b>1,030.4</b>	<b>201.6</b>	<b>345.8</b>
Vinnitsia	5.4	9.6	7.5	36.4	61.6	44.6	5.4	6.9
Volyn	5.0	6.0	4.8	24.5	46.4	27.9	4.1	4.2
Dnipropetrovsk	18.2	36.6	35.6	64.6	114.2	85.2	13.0	27.3
Donetsk	8.4	12.8	13.4	51.7	52.4	43.4	8.8	13.5
Zhytomyr	4.5	8.4	6.4	41.0	47.3	34.6	5.9	12.9
Zakarpattia	4.3	4.5	3.5	25.7	49.0	28.9	4.5	35.8
Zaporizhia	11.6	17.1	12.3	38.3	53.3	47.4	7.5	9.3
Ivano-Frankivsk	3.9	8.0	7.7	22.3	53.9	37.6	7.6	16.9
Kyiv	14.0	30.6	24.2	53.5	64.7	59.3	12.8	11.1
Kirovohrad	5.9	4.9	3.6	25.5	35.8	26.7	5.5	5.2
Luhansk	1.8	5.5	2.7	23.5	19.0	14.8	2.6	5.0
Lviv	12.9	21.3	18.0	62.2	103.0	74.0	12.9	24.3
Mykolaiv	5.4	5.9	5.8	38.4	40.9	26.6	5.5	8.6
Odesa	25.7	21.4	25.6	59.8	89.6	58.2	11.9	26.9
Poltava	6.4	8.6	7.6	34.0	47.1	39.9	6.3	9.4
Rivne	4.6	6.8	4.1	23.4	47.9	32.3	6.8	11.8
Sumy	4.1	7.5	7.8	27.5	41.5	31.6	5.0	13.9
Ternopil	3.3	6.0	4.3	21.1	45.2	29.1	6.5	10.9
Kharkiv	36.0	39.2	18.9	65.0	102.8	70.3	15.1	18.1
Kherson	6.0	7.3	4.2	27.2	39.4	25.7	7.7	8.9
Khmelnysk	4.4	7.0	6.0	34.5	50.4	33.5	5.2	6.2
Cherkasy	4.8	9.4	7.7	24.0	44.8	36.0	4.6	8.2
Chernivtsi	4.0	4.5	2.9	17.8	35.2	24.0	3.8	19.6
Chernihiv	5.0	7.4	6.1	32.1	37.5	33.3	6.9	4.8
Kyiv city	49.9	131.8	63.6	99.1	118.5	65.5	25.7	26.1



**2.4. Employed population, by occupational group, sex, place of residence and age group**  
(by section of Classification of Occupations (CO))

(thsd. prs.)

	Employed aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Total</b>	<b>16,276.9</b>	<b>1,143.6</b>	<b>2,149.3</b>	<b>2,397.5</b>	<b>2,263.9</b>	<b>4,194.2</b>	<b>3,477.6</b>	<b>650.8</b>	<b>15,626.1</b>	<b>650.8</b>
including by occupational group										
legislators, senior officials and managers	1,259.7	42.1	154.8	218.8	193.2	331.7	266.1	53.0	1,206.7	53.0
professionals	2,906.0	141.4	457.2	519.6	456.6	726.9	493.7	110.6	2,795.4	110.6
experts	1,909.3	130.3	256.0	295.7	277.6	504.1	381.3	64.3	1,845.0	64.3
clerical support workers	485.4	44.3	71.2	74.3	46.9	138.1	96.1	14.5	470.9	14.5
services and sales workers	2,734.7	245.5	377.9	409.9	392.3	683.6	567.1	58.4	2,676.3	58.4
skilled agriculture, forestry, fishery and fish farming workers	138.7	10.5	17.5	10.3	21.6	37.3	38.5	3.0	135.7	3.0
skilled workers using specific tools	1,946.5	157.9	261.7	311.6	265.2	501.5	405.2	43.4	1,903.1	43.4
plant and machine operators, and assemblers	1,821.2	92.8	218.5	217.7	247.2	531.3	463.7	50.0	1,771.2	50.0
elementary occupations	3,075.4	278.8	334.5	339.6	363.3	739.7	765.9	253.6	2,821.8	253.6

Table 2.4. continued

	Employed aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Women</b>	<b>7,827.4</b>	<b>501.5</b>	<b>917.0</b>	<b>1,064.8</b>	<b>1,080.1</b>	<b>2,157.8</b>	<b>1,769.7</b>	<b>336.5</b>	<b>7,490.9</b>	<b>336.5</b>
including by occupational group										
legislators, senior officials and managers	514.9	20.9	64.0	85.6	69.3	142.2	112.6	20.3	494.6	20.3
professionals	1,765.3	86.6	254.6	289.1	281.4	469.3	322.4	61.9	1,703.4	61.9
experts	1,237.0	81.8	142.0	168.8	177.0	350.9	269.3	47.2	1,189.8	47.2
clerical support workers	404.0	32.9	53.9	57.7	40.3	121.3	85.4	12.5	391.5	12.5
services and sales workers	1,837.1	150.9	235.2	262.0	270.4	486.0	394.2	38.4	1,798.7	38.4
skilled agriculture, forestry, fishery and fish farming workers	50.5	2.0	5.6	2.5	6.3	16.1	17.3	0.7	49.8	0.7
skilled workers using specific tools	279.2	17.3	28.4	36.1	35.0	87.8	70.8	3.8	275.4	3.8
plant and machine operators, and assemblers	291.2	11.9	28.1	35.6	33.3	97.7	76.1	8.5	282.7	8.5
elementary occupations	1,448.2	97.2	105.2	127.4	167.1	386.5	421.6	143.2	1,305.0	143.2

Table 2.4. continued

	Employed aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Men</b>	<b>8,449.5</b>	<b>642.1</b>	<b>1,232.3</b>	<b>1,332.7</b>	<b>1,183.8</b>	<b>2,036.4</b>	<b>1,707.9</b>	<b>314.3</b>	<b>8,135.2</b>	<b>314.3</b>
including by occupational group										
legislators, senior officials and managers	744.8	21.2	90.8	133.2	123.9	189.5	153.5	32.7	712.1	32.7
professionals	1,140.7	54.8	202.6	230.5	175.2	257.6	171.3	48.7	1,092.0	48.7
experts	672.3	48.5	114.0	126.9	100.6	153.2	112.0	17.1	655.2	17.1
clerical support workers	81.4	11.4	17.3	16.6	6.6	16.8	10.7	2.0	79.4	2.0
services and sales workers	897.6	94.6	142.7	147.9	121.9	197.6	172.9	20.0	877.6	20.0
skilled agriculture, forestry, fishery and fish farming workers	88.2	8.5	11.9	7.8	15.3	21.2	21.2	2.3	85.9	2.3
skilled workers using specific tools	1,667.3	140.6	233.3	275.5	230.2	413.7	334.4	39.6	1,627.7	39.6
plant and machine operators, and assemblers	1,530.0	80.9	190.4	182.1	213.9	433.6	387.6	41.5	1,488.5	41.5
elementary occupations	1,627.2	181.6	229.3	212.2	196.2	353.2	344.3	110.4	1,516.8	110.4

Table 2.4. continued

	Employed aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Urban settlements</b>	<b>11,178.5</b>	<b>646.5</b>	<b>1,467.3</b>	<b>1,800.9</b>	<b>1,623.6</b>	<b>2,856.9</b>	<b>2,376.3</b>	<b>407.0</b>	<b>10,771.5</b>	<b>407.0</b>
including by occupational group										
legislators, senior officials and managers	1,084.1	36.7	143.3	198.3	170.9	274.9	213.9	46.1	1,038.0	46.1
professionals	2,458.1	113.3	369.8	460.0	401.7	605.1	413.7	94.5	2,363.6	94.5
experts	1,486.7	84.0	186.4	244.4	228.0	391.5	299.2	53.2	1,433.5	53.2
clerical support workers	383.7	34.2	61.9	62.0	35.4	102.7	75.0	12.5	371.2	12.5
services and sales workers	2,015.7	163.1	279.4	316.7	291.4	488.3	429.1	47.7	1,968.0	47.7
skilled agriculture, forestry, fishery and fish farming workers	48.5	4.0	9.3	3.2	7.3	10.0	13.7	1.0	47.5	1.0
skilled workers using specific tools	1,421.6	91.1	182.0	235.2	198.3	369.6	308.1	37.3	1,384.3	37.3
plant and machine operators, and assemblers	1,215.1	50.3	132.0	154.9	167.3	346.0	326.9	37.7	1,177.4	37.7
elementary occupations	1,065.0	69.8	103.2	126.2	123.3	268.8	296.7	77.0	988.0	77.0

Table 2.4. continued

	Employed aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Rural areas</b>	<b>5,098.4</b>	<b>497.1</b>	<b>682.0</b>	<b>596.6</b>	<b>640.3</b>	<b>1,337.3</b>	<b>1,101.3</b>	<b>243.8</b>	<b>4,854.6</b>	<b>243.8</b>
including by occupational group										
legislators, senior officials and managers	175.6	5.4	11.5	20.5	22.3	56.8	52.2	6.9	168.7	6.9
professionals	447.9	28.1	87.4	59.6	54.9	121.8	80.0	16.1	431.8	16.1
experts	422.6	46.3	69.6	51.3	49.6	112.6	82.1	11.1	411.5	11.1
clerical support workers	101.7	10.1	9.3	12.3	11.5	35.4	21.1	2.0	99.7	2.0
services and sales workers	719.0	82.4	98.5	93.2	100.9	195.3	138.0	10.7	708.3	10.7
skilled agriculture, forestry, fishery and fish farming workers	90.2	6.5	8.2	7.1	14.3	27.3	24.8	2.0	88.2	2.0
skilled workers using specific tools	524.9	66.8	79.7	76.4	66.9	131.9	97.1	6.1	518.8	6.1
plant and machine operators, and assemblers	606.1	42.5	86.5	62.8	79.9	185.3	136.8	12.3	593.8	12.3
elementary occupations	2,010.4	209.0	231.3	213.4	240.0	470.9	469.2	176.6	1,833.8	176.6

**2.5. Employed population, by occupational group and specialty according to certificate (diploma)**  
(by section of Classification of Occupations (CO))

(thsd. prs.)

	Employed population aged 15-70									
	Total	by specialty according to certificate (diploma)								
		Legislators, senior officials and managers	Professionals	Experts	Clerical support workers	Services and sales workers	Skilled agriculture, forestry, fishery and fish farming workers	Skilled workers using specific tools	Plant and machine operators, and assemblers	Did not have a profession
<b>Total</b>	<b>16,276.9</b>	<b>105.2</b>	<b>5,263.3</b>	<b>3,266.4</b>	<b>145.7</b>	<b>801.4</b>	<b>19.9</b>	<b>1,951.4</b>	<b>1,387.6</b>	<b>3,336.0</b>
including by occupational group										
legislators, senior officials and managers	1,259.7	46.2	884.6	196.6	6.0	11.0	0.3	34.6	18.9	61.5
professionals	2,906.0	5.8	2,773.7	95.5	1.4	3.2		7.0	3.8	15.6
experts	1,909.3	15.9	455.0	1,293.4	10.8	9.8	0.2	41.2	14.9	68.1
clerical support workers	485.4	6.3	152.6	137.8	42.3	20.9	0.7	11.7	15.8	97.3
services and sales workers	2,734.7	18.1	464.9	566.0	39.0	542.2	2.8	250.1	129.3	722.3
skilled agriculture, forestry, fishery and fish farming workers	138.7	0.9	14.2	20.5	1.4	4.2	4.4	20.2	8.4	64.5
skilled workers using specific tools	1,946.5	2.0	163.1	272.4	4.8	36.3	1.1	1,003.1	98.7	365.0
plant and machine operators, and assemblers	1,821.2	6.5	144.1	285.0	8.5	18.8	1.3	195.8	743.6	417.6
elementary occupations	3,075.4	3.5	211.1	399.2	31.5	155.0	9.1	387.7	354.2	1,524.1

**2.6. Employed population, by occupational group and sex**  
(by subsection of Classification of Occupations (CO))

	(thsd. prs.)		
	Total population	Women	Men
<b>Total</b>	<b>16,276.9</b>	<b>7,827.4</b>	<b>8,449.5</b>
including by occupational group			
legislators, senior government officials, senior officials of the public and local self-governmental organizations	5.3	1.7	3.6
managers of enterprises, institutions and organizations	697.7	287.9	409.8
managers of small enterprises without administrative staff	260.1	91.3	168.8
managers of enterprises, institutions, organizations and units	296.6	134.0	162.6
physical, mathematical and engineering science professionals	669.8	151.1	518.7
life science and health professional	317.7	179.0	138.7
teaching professionals	789.6	631.8	157.8
other professionals	1,128.9	803.4	325.5
technical experts in the field of applied science and technology	474.4	109.7	364.7
specialists in biology, agronomy and medicine	578.6	527.4	51.2
experts in the field of education	155.7	136.5	19.2
other experts	685.7	454.6	231.1
experts in food and processing industry	14.9	8.8	6.1
officials associated with the information	238.0	196.9	41.1
customer service officials	247.4	207.1	40.3
personal and protective services workers	1,291.7	740.2	551.5
salespersons and demonstrators	1,439.9	1,095.4	344.5
workers who provide other services to businesses and individuals	3.1	1.5	1.6
skilled agricultural and fishery workers	138.7	50.5	88.2
workers of mining and construction	763.2	48.5	714.7
metallurgical and mechanical engineering workers occupations	825.4	35.2	790.2
workers in the field of fine mechanics, hand crafts and printing	41.5	18.4	23.1
other skilled workers with a tool	316.4	177.1	139.3
workers serving industrial equipment	252.0	81.9	170.1
workers serving machines and assemblers of machines	316.0	161.1	154.9
drivers and workers servicing of movable machinery and settings	1,253.2	48.2	1,205.0
elementary occupations in trade and services	570.1	436.4	133.7
elementary occupations in agricultural and related industries	1,761.9	858.1	903.8
elementary occupations in mining, construction, manufacturing and transport	670.0	113.3	556.7
simple professions that are common to all sectors of the economy	73.4	40.4	33.0

## 2.7. Employed population, by reason of temporary absence from work, sex and place of residence

	Total	Women	Men	Urban settlements	Rural areas
<b>Number of employed, who were temporarily absent at work, total, thsd. prs.</b>	<b>463.7</b>	<b>357.3</b>	<b>106.4</b>	<b>343.1</b>	<b>120.6</b>
in percentage to the total	2.8	4.6	1.3	3.1	2.4
including by reason, in percentage to the total					
yearly leave	32.6	27.2	50.5	30.3	39.0
maternity leave, leave to care for a child until he/she reaches definite age according to the current legislation	51.0	66.1	0.2	56.4	35.4
leave without salary preservation (for the period of stoppage of work being done)	1.8	0.7	5.5	1.0	4.1
temporary incapacity to work (due to illness or trauma), care for the sick person	3.9	2.6	8.0	4.1	3.1
seasonal work	5.3	1.3	18.9	3.2	11.2
day off according to the working schedule	2.1	0.7	6.6	2.1	2.0
suspension of production or activities due to disruptions in the supply of raw materials, equipment, materials, lack of orders or customers, failure of appliances	1.8	0.7	5.8	1.9	1.9
other reasons	1.5	0.7	4.5	1.0	3.3



## 2.8. Employed population, by usual and actual duration of working week, sex and place of residence

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Total</b>	<b>15,813.2</b>	<b>2.5</b>	<b>4.8</b>	<b>11.1</b>	<b>67.9</b>	<b>13.7</b>	<b>39</b>
including by usual duration of working week							
up to 20 hours	353.3	99.0	0.7	0.3			16
20-29 hours	708.1	2.6	97.0	0.3	0.1	0.0	22
30-39 hours	1,202.8	0.5	1.7	97.1	0.3	0.4	33
40 hours	11,458.8	0.2	0.4	5.0	93.3	1.1	40
over 40 hours	2,090.2	0.1	0.4	0.8	1.2	97.5	49
<b>Women</b>	<b>7,470.1</b>	<b>3.5</b>	<b>6.3</b>	<b>12.5</b>	<b>67.1</b>	<b>10.6</b>	<b>38</b>
including by usual duration of working week							
up to 20 hours	234.9	98.8	0.7	0.5			16
20-29 hours	450.5	2.8	96.8	0.3	0.1	0.0	22
30-39 hours	661.8	0.5	2.0	96.9	0.3	0.3	33
40 hours	5,370.0	0.2	0.4	5.3	93.1	1.0	40
over 40 hours	752.9	0.2	0.5	0.7	1.0	97.6	49
<b>Men</b>	<b>8,343.1</b>	<b>1.7</b>	<b>3.4</b>	<b>9.9</b>	<b>68.5</b>	<b>16.5</b>	<b>40</b>
including by usual duration of working week							
up to 20 hours	118.4	99.4	0.6				15
20-29 hours	257.6	2.0	97.2	0.5	0.2	0.1	22
30-39 hours	541.0	0.6	1.2	97.5	0.3	0.4	33
40 hours	6,088.8	0.2	0.4	4.6	93.6	1.2	40
over 40 hours	1,337.3	0.1	0.4	0.9	1.3	97.3	50

<sup>1</sup> The number of employed population is presented excluding persons who were temporarily absent at work.

Table 2.8. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Urban settlements</b>	<b>10,835.4</b>	<b>1.7</b>	<b>3.0</b>	<b>10.0</b>	<b>71.6</b>	<b>13.7</b>	<b>40</b>
including by usual duration of working week							
up to 20 hours	152.3	99.4	0.6				16
20-29 hours	284.2	3.6	96.4	0.0	0.0	0.0	22
30-39 hours	618.6	0.1	2.3	97.0	0.2	0.4	33
40 hours	8,359.5	0.2	0.4	5.6	92.6	1.2	40
over 40 hours	1,420.8	0.1	0.3	0.8	1.4	97.4	49
<b>Rural areas</b>	<b>4,977.8</b>	<b>4.4</b>	<b>8.8</b>	<b>13.5</b>	<b>59.7</b>	<b>13.6</b>	<b>38</b>
including by usual duration of working week							
up to 20 hours	201.0	98.7	0.7	0.6			16
20-29 hours	423.9	1.9	97.4	0.5	0.2	0.0	22
30-39 hours	584.2	1.0	1.1	97.2	0.4	0.3	32
40 hours	3,099.3	0.3	0.4	3.1	95.4	0.8	40
over 40 hours	669.4	0.1	0.6	1.0	1.0	97.3	49

## 2.9. Employed population, by status in employment, sex, place of residence and actual duration of working week

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Total</b>	<b>15,813.2</b>	<b>2.5</b>	<b>4.8</b>	<b>11.1</b>	<b>67.9</b>	<b>13.7</b>	<b>39</b>
including by status in employment							
employees	13,281.7	1.8	2.8	9.3	73.8	12.3	40
employers	188.6	1.4	2.1	5.5	69.0	22.0	41
own-account workers <sup>2</sup>	2,302.4	6.8	15.9	21.9	34.4	21.0	36
contributing family workers	40.5	9.6	28.4	16.9	20.7	24.4	34
<b>Women</b>	<b>7,470.1</b>	<b>3.5</b>	<b>6.3</b>	<b>12.5</b>	<b>67.1</b>	<b>10.6</b>	<b>38</b>
including by status in employment							
employees	6,420.0	2.6	4.1	10.7	73.0	9.6	39
employers	60.3	2.3	3.5	5.3	68.2	20.7	40
own-account workers <sup>2</sup>	971.1	9.4	21.2	24.4	28.8	16.2	34
contributing family workers	18.7	10.1	34.8	20.8	24.1	10.2	30
<b>Men</b>	<b>8,343.1</b>	<b>1.7</b>	<b>3.4</b>	<b>9.9</b>	<b>68.5</b>	<b>16.5</b>	<b>40</b>
including by status in employment							
employees	6,861.7	1.0	1.8	8.0	74.5	14.7	40
employers	128.3	0.9	1.5	5.5	69.5	22.6	41
own-account workers <sup>2</sup>	1,331.3	5.0	12.0	20.0	38.5	24.5	38
contributing family workers	21.8	9.2	22.9	13.3	17.9	36.7	36

<sup>1</sup> See footnote to Table 2.8.<sup>2</sup> Including persons who worked in collaboration with partners.

Table 2.9. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Urban settlements</b>	<b>10,835.4</b>	<b>1.7</b>	<b>3.0</b>	<b>10.0</b>	<b>71.6</b>	<b>13.7</b>	<b>40</b>
including by status in employment							
employees	9,882.5	1.4	2.3	9.8	73.9	12.6	40
employers	149.6	1.3	2.4	5.8	69.4	21.1	41
own-account workers <sup>2</sup>	789.4	5.5	11.7	13.6	43.9	25.3	38
contributing family workers	13.9	8.6	15.1	6.5	27.4	42.4	39
<b>Rural areas</b>	<b>4,977.8</b>	<b>4.4</b>	<b>8.8</b>	<b>13.5</b>	<b>59.7</b>	<b>13.6</b>	<b>38</b>
including by status in employment							
employees	3,399.2	3.0	4.6	7.9	73.3	11.2	39
employers	39.0	1.8	1.0	4.1	67.7	25.4	42
own-account workers <sup>2</sup>	1,513.0	7.5	18.1	26.2	29.5	18.7	35
contributing family workers	26.6	10.2	35.3	22.2	17.3	15.0	31

**2.10. Average actual duration of working week of employment population, by type of economic activity, sex and place of residence** (hours)

	Average actual duration of working week				
	Total	Women	Men	Urban settlements	Rural areas
<b>Total<sup>1</sup></b>	<b>39</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>38</b>
Agriculture, forestry and fishing	36	34	38	37	36
Industry	40	40	40	40	40
Construction	42	40	42	42	42
Wholesale and retail trade; repair of motor vehicles and motorcycles	41	41	41	41	40
Transportation and storage	41	39	42	42	40
Accommodation and food service activities	41	41	42	41	42
Information and communication	40	39	40	40	40
Financial and insurance activities	39	39	39	39	39
Real estate activities	39	38	40	39	40
Professional, scientific and technical activities	39	39	39	39	40
Administrative and support service activities	40	39	41	40	41
Public administration and defence, compulsory social security	40	39	40	40	39
Education	34	34	35	35	33
Human health and social work activities	39	39	39	39	38
Arts, entertainment and recreation	38	38	38	38	36
Other types of economic activity	39	39	39	39	38

<sup>1</sup> See footnote to Table 2.8.

**2.11. Employed population, by occupational group, sex, place of residence and actual duration of working week**  
(by section of Classification of Occupations (CO))

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Total</b>	<b>15,813.2</b>	<b>2.5</b>	<b>4.8</b>	<b>11.1</b>	<b>67.9</b>	<b>13.7</b>	<b>39</b>
including by occupational group							
legislators, senior officials and managers	1,230.3	0.8	1.7	8.5	78.1	10.9	40
professionals	2,734.3	5.9	5.7	12.6	71.6	4.2	37
experts	1,835.5	1.4	2.8	13.4	73.9	8.5	39
clerical support workers	464.9	0.9	3.4	7.3	78.4	10.0	39
services and sales workers	2,679.8	0.7	2.8	7.8	67.5	21.2	41
skilled agriculture, forestry, fishery and fish farming workers	131.6	0.8	2.8	5.4	72.0	19.0	41
skilled workers using specific tools	1,908.9	0.6	2.2	10.4	69.6	17.2	40
plant and machine operators, and assemblers	1,786.9	0.3	1.3	6.2	74.3	17.9	41
elementary occupations	3,041.0	5.4	12.3	16.6	50.2	15.5	37

<sup>1</sup> See footnote to Table 2.8.

Table 2.11. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Women</b>	<b>7,470.1</b>	<b>3.5</b>	<b>6.3</b>	<b>12.5</b>	<b>67.1</b>	<b>10.6</b>	<b>38</b>
including by occupational group							
legislators, senior officials and managers	492.2	1.1	2.3	9.2	79.6	7.8	39
professionals	1,616.5	7.4	7.5	13.6	68.5	3.0	36
experts	1,171.2	1.6	3.5	15.9	73.1	5.9	39
clerical support workers	383.7	1.1	3.5	7.6	78.0	9.8	39
services and sales workers	1,786.5	0.7	3.1	8.6	67.7	19.9	41
skilled agriculture, forestry, fishery and fish farming workers	48.7	0.6	2.9	5.5	78.6	12.4	40
skilled workers using specific tools	267.4	1.2	3.9	8.5	75.9	10.5	39
plant and machine operators, and assemblers	276.2	0.5	1.9	7.5	77.5	12.6	40
elementary occupations	1,427.7	6.6	15.1	17.9	48.4	12.0	35

Table 2.11. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Men</b>	<b>8,343.1</b>	<b>1.7</b>	<b>3.4</b>	<b>9.9</b>	<b>68.5</b>	<b>16.5</b>	<b>40</b>
including by occupational group							
legislators, senior officials and managers	738.1	0.6	1.2	8.0	77.2	13.0	40
professionals	1,117.8	3.6	3.2	11.1	76.0	6.1	38
experts	664.3	1.0	1.7	8.9	75.4	13.0	40
clerical support workers	81.2	0.2	3.1	5.8	80.3	10.6	40
services and sales workers	893.3	0.6	2.1	6.4	67.2	23.7	41
skilled agriculture, forestry, fishery and fish farming workers	82.9	1.0	2.8	5.2	68.1	22.9	42
skilled workers using specific tools	1,641.5	0.5	1.9	10.7	68.6	18.3	41
plant and machine operators, and assemblers	1,510.7	0.3	1.2	6.0	73.7	18.8	41
elementary occupations	1,613.3	4.3	9.9	15.4	51.9	18.5	38



Table 2.11. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Urban settlements</b>	<b>10,835.4</b>	<b>1.7</b>	<b>3.0</b>	<b>10.0</b>	<b>71.6</b>	<b>13.7</b>	<b>40</b>
including by occupational group							
legislators, senior officials and managers	1,059.7	0.7	1.4	8.6	78.1	11.2	40
professionals	2,328.4	4.0	4.5	12.9	74.0	4.6	38
experts	1,432.5	1.2	2.1	13.2	74.1	9.4	39
clerical support workers	366.1	0.4	2.0	7.5	78.7	11.4	40
services and sales workers	1,971.7	0.5	2.4	7.6	66.9	22.6	41
skilled agriculture, forestry, fishery and fish farming workers	43.5	0.7	3.2	4.6	64.8	26.7	42
skilled workers using specific tools	1,396.4	0.5	1.8	11.3	69.0	17.4	40
plant and machine operators, and assemblers	1,190.1	0.3	1.0	6.5	72.6	19.6	41
elementary occupations	1,047.0	4.0	7.7	8.4	65.4	14.5	38

Table 2.11. continued

	Total <sup>1</sup> , thsd. prs.	by actual duration of working week, percent					Average actual duration of working week, hours
		up to 20 hours	20-29 hours	30-39 hours	40 hours	over 40 hours	
<b>Rural areas</b>	<b>4,977.8</b>	<b>4.4</b>	<b>8.8</b>	<b>13.5</b>	<b>59.7</b>	<b>13.6</b>	<b>38</b>
including by occupational group							
legislators, senior officials and managers	170.6	1.8	3.1	7.6	78.4	9.1	39
professionals	405.9	16.9	12.7	10.9	57.2	2.3	33
experts	403.0	2.2	5.6	13.6	73.3	5.3	38
clerical support workers	98.8	2.9	8.6	6.5	77.4	4.6	38
services and sales workers	708.1	1.0	3.8	8.6	69.3	17.3	40
skilled agriculture, forestry, fishery and fish farming workers	88.1	0.9	2.6	5.7	75.6	15.2	40
skilled workers using specific tools	512.5	0.9	3.1	7.8	71.4	16.8	40
plant and machine operators, and assemblers	596.8	0.4	1.9	5.6	77.5	14.6	41
elementary occupations	1,994.0	6.2	14.7	20.9	42.2	16.0	36

## 2.12. Employed population, by status in employment, sex, place of residence and sector of economy and type of job

(thsd. prs.)

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Total</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
employees	13,731.7	2,069.3	13,477.5	11,662.4	1,815.1	254.2
self-employed	2,545.2	1,891.9	668.4	653.3	15.1	1,876.8
<b>Women</b>	<b>7,827.4</b>	<b>1,669.0</b>	<b>6,928.9</b>	<b>6,158.4</b>	<b>770.5</b>	<b>898.5</b>
employees	6,775.2	853.6	6,687.3	5,921.6	765.7	87.9
self-employed	1,052.2	815.4	241.6	236.8	4.8	810.6
<b>Men</b>	<b>8,449.5</b>	<b>2,292.2</b>	<b>7,217.0</b>	<b>6,157.3</b>	<b>1,059.7</b>	<b>1,232.5</b>
employees	6,956.5	1,215.7	6,790.2	5,740.8	1,049.4	166.3
self-employed	1,493.0	1,076.5	426.8	416.5	10.3	1 066.2
<b>Urban settlements</b>	<b>11,178.5</b>	<b>1,891.9</b>	<b>10,639.3</b>	<b>9,286.6</b>	<b>1,352.7</b>	<b>539.2</b>
employees	10,219.7	1,462.8	10,096.8	8,756.9	1,339.9	122.9
self-employed	958.8	429.1	542.5	529.7	12.8	416.3
<b>Rural areas</b>	<b>5,098.4</b>	<b>2,069.3</b>	<b>3,506.6</b>	<b>3,029.1</b>	<b>477.5</b>	<b>1,591.8</b>
employees	3,512.0	606.5	3,380.7	2,905.5	475.2	131.3
self-employed	1,586.4	1,462.8	125.9	123.6	2.3	1,460.5

## 2.13. Employed population, by age group, sex, place of residence and sector of economy and type of job

(thsd. prs.)

	Employed population aged 15-70		Including			
			formal sector enterprises			informal sector enterprises
	total	thereof informal employment	total	formal employment	informal employment	
<b>Total</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
including by age group						
15-24 years	1,143.6	407.5	930.7	736.1	194.6	212.9
25-29 years	2,149.3	544.7	1,908.9	1,604.6	304.3	240.4
30-34 years	2,397.5	550.5	2,149.9	1,847.0	302.9	247.6
35-39 years	2,263.9	520.9	2,014.0	1,743.0	271.0	249.9
40-49 years	4,194.2	916.3	3,706.1	3,277.9	428.2	488.1
50-59 years	3,477.6	786.7	2,990.2	2,690.9	299.3	487.4
60-70 years	650.8	234.6	446.1	416.2	29.9	204.7
<b>Women</b>	<b>7,827.4</b>	<b>1,669.0</b>	<b>6,928.9</b>	<b>6,158.4</b>	<b>770.5</b>	<b>898.5</b>
including by age group						
15-24 years	501.5	158.0	418.5	343.5	75.0	83.0
25-29 years	917.0	194.2	833.4	722.8	110.6	83.6
30-34 years	1,064.8	196.8	980.8	868.0	112.8	84.0
35-39 years	1,080.1	219.7	980.0	860.4	119.6	100.1
40-49 years	2,157.8	403.2	1,951.6	1,754.6	197.0	206.2
50-59 years	1,769.7	367.7	1,541.6	1,402.0	139.6	228.1
60-70 years	336.5	129.4	223.0	207.1	15.9	113.5
<b>Men</b>	<b>8,449.5</b>	<b>2,292.2</b>	<b>7,217.0</b>	<b>6,157.3</b>	<b>1,059.7</b>	<b>1,232.5</b>
including by age group						
15-24 years	642.1	249.5	512.2	392.6	119.6	129.9
25-29 years	1,232.3	350.5	1,075.5	881.8	193.7	156.8
30-34 years	1,332.7	353.7	1,169.1	979.0	190.1	163.6
35-39 years	1,183.8	301.2	1,034.0	882.6	151.4	149.8
40-49 years	2,036.4	513.1	1,754.5	1,523.3	231.2	281.9
50-59 years	1,707.9	419.0	1,448.6	1,288.9	159.7	259.3
60-70 years	314.3	105.2	223.1	209.1	14.0	91.2

Table 2.13. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Urban settlements</b>	<b>11,178.5</b>	<b>1,891.9</b>	<b>10,639.3</b>	<b>9,286.6</b>	<b>1,352.7</b>	<b>539.2</b>
including by age group						
15-24 years	646.5	167.5	607.3	479.0	128.3	39.2
25-29 years	1,467.3	276.0	1,403.2	1,191.3	211.9	64.1
30-34 years	1,800.9	316.2	1,718.9	1,484.7	234.2	82.0
35-39 years	1,623.6	270.4	1,557.1	1,353.2	203.9	66.5
40-49 years	2,856.9	446.6	2,728.7	2,410.3	318.4	128.2
50-59 years	2,376.3	355.5	2,252.5	2,020.8	231.7	123.8
60-70 years	407.0	59.7	371.6	347.3	24.3	35.4
<b>Rural areas</b>	<b>5,098.4</b>	<b>2,069.3</b>	<b>3,506.6</b>	<b>3,029.1</b>	<b>477.5</b>	<b>1,591.8</b>
including by age group						
15-24 years	497.1	240.0	323.4	257.1	66.3	173.7
25-29 years	682.0	268.7	505.7	413.3	92.4	176.3
30-34 years	596.6	234.3	431.0	362.3	68.7	165.6
35-39 years	640.3	250.5	456.9	389.8	67.1	183.4
40-49 years	1,337.3	469.7	977.4	867.6	109.8	359.9
50-59 years	1,101.3	431.2	737.7	670.1	67.6	363.6
60-70 years	243.8	174.9	74.5	68.9	5.6	169.3

## 2.14. Employed population, by level of education, sex, place of residence and sector of economy and type of job

(thsd. prs.)

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Total</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
including by level of education						
complete higher	5,253.3	520.3	5,072.7	4,733.0	339.7	180.6
basic higher	186.0	30.9	174.5	155.1	19.4	11.5
uncompleted higher	3,225.6	572.0	2,950.6	2,653.6	297.0	275.0
vocational	4,271.6	1,325.0	3,603.0	2,946.6	656.4	668.6
complete secondary	3,019.4	1,299.7	2,187.3	1,719.7	467.6	832.1
basic secondary	311.2	206.4	153.7	104.8	48.9	157.5
primary education or not educated	9.8	6.9	4.1	2.9	1.2	5.7
<b>Women</b>	<b>7,827.4</b>	<b>1,669.0</b>	<b>6,928.9</b>	<b>6,158.4</b>	<b>770.5</b>	<b>898.5</b>
including by level of education						
complete higher	2,781.3	233.6	2,703.5	2,547.7	155.8	77.8
basic higher	95.7	12.0	91.3	83.7	7.6	4.4
uncompleted higher	1,919.2	297.1	1,777.8	1,622.1	155.7	141.4
vocational	1,470.6	440.6	1,269.2	1,030.0	239.2	201.4
complete secondary	1,423.1	592.5	1,027.6	830.6	197.0	395.5
basic secondary	132.9	89.4	58.1	43.5	14.6	74.8
primary education or not educated	4.6	3.8	1.4	0.8	0.6	3.2

Table 2.14. continued

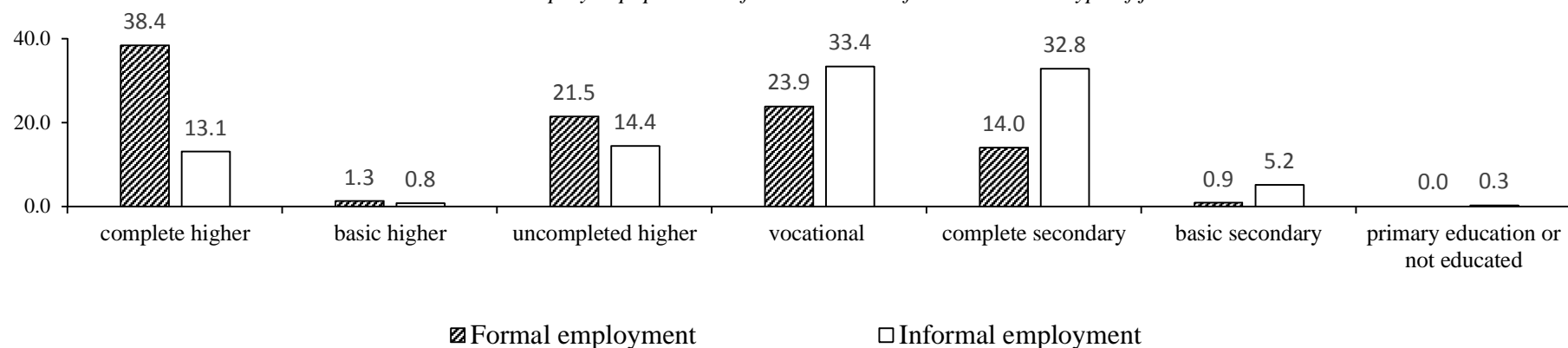
	Employed population aged 15-70		Including			
			formal sector enterprises			informal sector enterprises
	total	thereof informal employment	total	formal employment	informal employment	
<b>Men</b>	<b>8,449.5</b>	<b>2,292.2</b>	<b>7,217.0</b>	<b>6,157.3</b>	<b>1,059.7</b>	<b>1,232.5</b>
including by level of education						
complete higher	2,472.0	286.7	2,369.2	2,185.3	183.9	102.8
basic higher	90.3	18.9	83.2	71.4	11.8	7.1
uncompleted higher	1,306.4	274.9	1,172.8	1,031.5	141.3	133.6
vocational	2,801.0	884.4	2,333.8	1,916.6	417.2	467.2
complete secondary	1,596.3	707.2	1,159.7	889.1	270.6	436.6
basic secondary	178.3	117.0	95.6	61.3	34.3	82.7
primary education or not educated	5.2	3.1	2.7	2.1	0.6	2.5
<b>Urban settlements</b>	<b>11,178.5</b>	<b>1,891.9</b>	<b>10,639.3</b>	<b>9,286.6</b>	<b>1,352.7</b>	<b>539.2</b>
including by level of education						
complete higher	4,477.1	397.4	4,380.7	4,079.7	301.0	96.4
basic higher	138.9	19.7	135.7	119.2	16.5	3.2
uncompleted higher	2,336.3	331.6	2,238.4	2,004.7	233.7	97.9
vocational	2,676.9	657.9	2,483.6	2,019.0	464.6	193.3
complete secondary	1,438.1	432.1	1,312.1	1,006.0	306.1	126.0
basic secondary	107.7	51.7	85.9	56.0	29.9	21.8
primary education or not educated	3.5	1.5	2.9	2.0	0.9	0.6

Table 2.14. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Rural areas</b>	<b>5,098.4</b>	<b>2,069.3</b>	<b>3,506.6</b>	<b>3,029.1</b>	<b>477.5</b>	<b>1,591.8</b>
including by level of education						
complete higher	776.2	122.9	692.0	653.3	38.7	84.2
basic higher	47.1	11.2	38.8	35.9	2.9	8.3
uncompleted higher	889.3	240.4	712.2	648.9	63.3	177.1
vocational	1,594.7	667.1	1,119.4	927.6	191.8	475.3
complete secondary	1,581.3	867.6	875.2	713.7	161.5	706.1
basic secondary	203.5	154.7	67.8	48.8	19.0	135.7
primary education or not educated	6.3	5.4	1.2	0.9	0.3	5.1

### 2.15. Employment of the population, by type of job and level of education

*in % to employed population of relevant level of education and type of job*





## 2.16. Employed population, by type of economic activity, sex, place of residence and sector of economy and type of job

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Total, thsd. prs.</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	15.6	40.8	7.6	7.5	8.4	68.6
industry	17.7	6.1	20.0	21.3	10.8	2.0
construction	6.6	15.5	5.7	3.7	18.8	12.7
wholesale and retail trade; repair of motor vehicles and motorcycles	17.9	20.9	19.8	16.9	39.4	5.0
transportation and storage	6.5	3.5	7.3	7.5	5.9	1.4
accommodation and food service activities	2.1	2.6	2.5	2.0	5.5	0.1
other types of economic activity	33.6	10.6	37.1	41.1	11.2	10.2
<b>Women, thsd. prs.</b>	<b>7,827.4</b>	<b>1,669.0</b>	<b>6,928.9</b>	<b>6,158.4</b>	<b>770.5</b>	<b>898.5</b>
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	13.2	46.7	4.2	4.1	5.6	82.0
industry	13.0	5.0	14.4	15.1	9.3	1.5
construction	1.1	1.0	1.2	1.1	1.3	0.7
wholesale and retail trade; repair of motor vehicles and motorcycles	21.4	29.8	23.6	19.2	58.5	5.1
transportation and storage	3.5	0.5	4.0	4.4	1.1	0.0
accommodation and food service activities	3.0	4.4	3.4	2.7	9.2	0.2
other types of economic activity	44.8	12.6	49.2	53.4	15.0	10.5

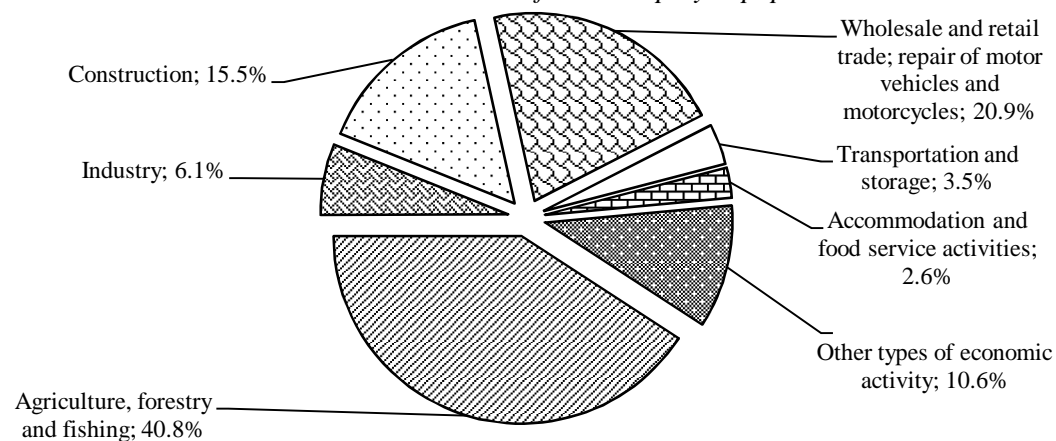
Table 2.16. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Men, thsd. prs.</b>	<b>8,449.5</b>	<b>2,292.2</b>	<b>7,217.0</b>	<b>6,157.3</b>	<b>1,059.7</b>	<b>1,232.5</b>
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	17.9	36.4	10.9	10.9	10.5	58.8
industry	22.0	6.8	25.4	27.7	12.0	2.3
construction	11.7	26.1	10.0	6.3	31.5	21.5
wholesale and retail trade; repair of motor vehicles and motorcycles	14.5	14.4	16.2	14.6	25.5	4.9
transportation and storage	9.2	5.6	10.3	10.6	9.4	2.4
accommodation and food service activities	1.3	1.3	1.5	1.3	2.7	0.0
other types of economic activity	23.4	9.4	25.7	28.6	8.4	10.1
<b>Urban settlements, thsd. prs.</b>	<b>11,178.5</b>	<b>1,891.9</b>	<b>10,639.3</b>	<b>9,286.6</b>	<b>1,352.7</b>	<b>539.2</b>
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	3.7	10.5	2.6	2.3	4.4	25.8
industry	21.2	8.9	22.0	23.7	10.6	4.9
construction	6.7	19.6	5.6	4.1	16.2	28.0
wholesale and retail trade; repair of motor vehicles and motorcycles	21.4	34.7	21.8	18.7	43.0	13.9
transportation and storage	7.2	5.6	7.4	7.5	6.5	3.3
accommodation and food service activities	2.4	4.2	2.5	2.1	5.7	0.3
other types of economic activity	37.4	16.5	38.1	41.6	13.6	23.8

Table 2.16. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Rural areas, thsd. prs.</b>	<b>5,098.4</b>	<b>2,069.3</b>	<b>3,506.6</b>	<b>3,029.1</b>	<b>477.5</b>	<b>1,591.8</b>
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	41.7	68.4	22.9	23.4	19.7	83.0
industry	9.9	3.4	13.9	14.3	11.5	1.0
construction	6.4	11.8	5.9	2.7	26.2	7.5
wholesale and retail trade; repair of motor vehicles and motorcycles	10.0	8.3	13.8	11.4	29.3	2.0
transportation and storage	5.0	1.5	6.9	7.3	4.0	0.8
accommodation and food service activities	1.6	1.1	2.3	1.9	4.7	0.0
other types of economic activity	25.4	5.5	34.3	39.0	4.6	5.7

**2.17. Informal employment of the population, by type of economic activity**  
*in % the total informal employed population*



**2.18. Employed population, by occupational group, sex, place of residence and sector of economy and type of job**  
(by section of Classification of Occupations (CO))

(thsd. prs.)

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Total</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
including by occupational group						
legislators, senior officials and managers	1,259.7	75.5	1,255.3	1,184.2	71.1	4.4
professionals	2,906.0	97.8	2,884.9	2,808.2	76.7	21.1
experts	1,909.3	121.5	1,886.1	1,787.8	98.3	23.2
clerical support workers	485.4	31.7	484.2	453.7	30.5	1.2
services and sales workers	2,734.7	751.5	2,610.3	1,983.2	627.1	124.4
skilled agriculture, forestry, fishery and fish farming workers	138.7	36.3	123.6	102.4	21.2	15.1
skilled workers using specific tools	1,946.5	648.4	1,661.0	1,298.1	362.9	285.5
plant and machine operators, and assemblers	1,821.2	255.7	1,762.3	1,565.5	196.8	58.9
elementary occupations	3,075.4	1,942.8	1,478.2	1,132.6	345.6	1,597.2

Table 2.18. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Women</b>	<b>7,827.4</b>	<b>1,669.0</b>	<b>6,928.9</b>	<b>6,158.4</b>	<b>770.5</b>	<b>898.5</b>
including by occupational group						
legislators, senior officials and managers	514.9	28.7	513.9	486.2	27.7	1.0
professionals	1,765.3	40.5	1,759.7	1,724.8	34.9	5.6
experts	1,237.0	47.5	1,231.6	1,189.5	42.1	5.4
clerical support workers	404.0	25.9	403.0	378.1	24.9	1.0
services and sales workers	1,837.1	568.7	1,754.6	1,268.4	486.2	82.5
skilled agriculture, forestry, fishery and fish farming workers	50.5	7.8	47.8	42.7	5.1	2.7
skilled workers using specific tools	279.2	61.3	265.3	217.9	47.4	13.9
plant and machine operators, and assemblers	291.2	24.9	285.5	266.3	19.2	5.7
elementary occupations	1,448.2	863.7	667.5	584.5	83.0	780.7

Table 2.18. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Men</b>	<b>8,449.5</b>	<b>2,292.2</b>	<b>7,217.0</b>	<b>6,157.3</b>	<b>1,059.7</b>	<b>1,232.5</b>
including by occupational group						
legislators, senior officials and managers	744.8	46.8	741.4	698.0	43.4	3.4
professionals	1,140.7	57.3	1,125.2	1,083.4	41.8	15.5
experts	672.3	74.0	654.5	598.3	56.2	17.8
clerical support workers	81.4	5.8	81.2	75.6	5.6	0.2
services and sales workers	897.6	182.8	855.7	714.8	140.9	41.9
skilled agriculture, forestry, fishery and fish farming workers	88.2	28.5	75.8	59.7	16.1	12.4
skilled workers using specific tools	1,667.3	587.1	1,395.7	1,080.2	315.5	271.6
plant and machine operators, and assemblers	1,530.0	230.8	1,476.8	1,299.2	177.6	53.2
elementary occupations	1,627.2	1,079.1	810.7	548.1	262.6	816.5

Table 2.18. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Urban settlements</b>	<b>11,178.5</b>	<b>1,891.9</b>	<b>10,639.3</b>	<b>9,286.6</b>	<b>1,352.7</b>	<b>539.2</b>
including by occupational group						
legislators, senior officials and managers	1,084.1	73.0	1,080.0	1,011.1	68.9	4.1
professionals	2,458.1	91.1	2,437.8	2,367.0	70.8	20.3
experts	1,486.7	102.7	1,467.7	1,384.0	83.7	19.0
clerical support workers	383.7	27.9	382.5	355.8	26.7	1.2
services and sales workers	2,015.7	581.8	1,926.9	1,433.9	493.0	88.8
skilled agriculture, forestry, fishery and fish farming workers	48.5	22.0	41.3	26.5	14.8	7.2
skilled workers using specific tools	1,421.6	421.8	1,254.1	999.8	254.3	167.5
plant and machine operators, and assemblers	1,215.1	166.0	1,186.1	1,049.1	137.0	29.0
elementary occupations	1,065.0	405.6	862.9	659.4	203.5	202.1

Table 2.18. continued

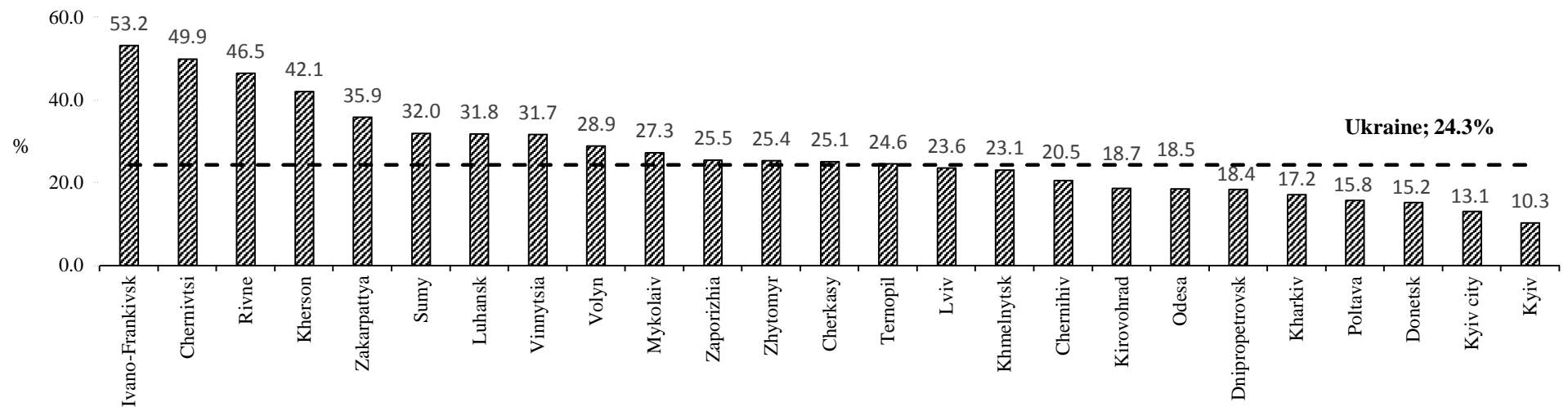
	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
<b>Rural areas</b>	<b>5,098.4</b>	<b>2,069.3</b>	<b>3,506.6</b>	<b>3,029.1</b>	<b>477.5</b>	<b>1,591.8</b>
including by occupational group						
legislators, senior officials and managers	175.6	2.5	175.3	173.1	2.2	0.3
professionals	447.9	6.7	447.1	441.2	5.9	0.8
experts	422.6	18.8	418.4	403.8	14.6	4.2
clerical support workers	101.7	3.8	101.7	97.9	3.8	6
services and sales workers	719.0	169.7	683.4	549.3	134.1	35.6
skilled agriculture, forestry, fishery and fish farming workers	90.2	14.3	82.3	75.9	6.4	7.9
skilled workers using specific tools	524.9	226.6	406.9	298.3	108.6	118.0
plant and machine operators, and assemblers	606.1	89.7	576.2	516.4	59.8	29.9
elementary occupations	2,010.4	1,537.2	615.3	473.2	142.1	1,395.1



**2.19. Employment of population, by type of job and occupational group**  
*in % to employed population of relevant occupational group by type of job*



**2.20. Informal employment of population, by region**  
*in % to number of employed population in the relevant region*



## 2.21. Employed population, by sector of economy, type of job and region

(thsd. prs.)

	Employed population aged 15-70		Including			
			formal sector enterprises			informal sector enterprises
	total	thereof informal employment	total	formal employment	informal employment	
<b>Ukraine</b>	<b>16,276.9</b>	<b>3,961.2</b>	<b>14,145.9</b>	<b>12,315.7</b>	<b>1,830.2</b>	<b>2,131.0</b>
Vinnitsia	658.8	208.9	502.7	449.9	52.8	156.1
Volyn	382.1	110.4	324.5	271.7	52.8	57.6
Dnipropetrovsk	1,425.4	261.6	1,362.4	1,163.8	198.6	63.0
Donetsk	748.4	114.0	709.6	634.4	75.2	38.8
Zhytomyr	507.6	129.1	426.5	378.5	48.0	81.1
Zakarpattia	505.5	181.4	340.9	324.1	16.8	164.6
Zaporizhia	734.9	187.4	644.5	547.5	97.0	90.4
Ivano-Frankivsk	556.9	296.3	406.9	260.6	146.3	150.0
Kyiv	736.3	76.0	712.1	660.3	51.8	24.2
Kirovohrad	375.7	70.4	333.9	305.3	28.6	41.8
Luhansk	298.5	94.9	224.7	203.6	21.1	73.8
Lviv	1,047.0	246.9	974.8	800.1	174.7	72.2
Mykolaiv	498.1	136.0	415.1	362.1	53.0	83.0
Odesa	1,000.6	185.1	917.9	815.5	102.4	82.7
Poltava	570.4	90.0	526.6	480.4	46.2	43.8
Rivne	474.2	220.7	291.8	253.5	38.3	182.4
Sumy	478.5	153.3	375.0	325.2	49.8	103.5
Ternopil	407.6	100.3	330.4	307.3	23.1	77.2
Kharkiv	1,236.6	212.2	1,189.6	1,024.4	165.2	47.0
Kherson	441.0	185.5	321.1	255.5	65.6	119.9
Khmelnysk	510.1	117.9	421.7	392.2	29.5	88.4
Cherkasy	517.5	129.7	457.3	387.8	69.5	60.2
Chernivtsi	376.1	187.7	225.5	188.4	37.1	150.6
Chernihiv	424.8	87.1	374.6	337.7	36.9	50.2
Kyiv city	1,364.3	178.4	1,335.8	1,185.9	149.9	28.5

## 2.22. Employed population of working age who worked outside the region of residence, by region

	2015				2016			
	Number of working age employed population who worked outside of the residence region, thsd. prs.	in percentage to			Number of working age employed population who worked outside of the residence region, thsd. prs.	in percentage to		
		total	working age employed population	working age total population		total	working age employed population	working age total population
<b>Ukraine</b>	<b>386.3</b>	<b>100.0</b>	<b>2.5</b>	<b>1.6</b>	<b>388.2</b>	<b>100.0</b>	<b>2.5</b>	<b>1.6</b>
Vinnitsia	23.0	6.0	3.6	2.4	17.7	4.7	2.8	1.8
Volyn	13.9	3.6	3.6	2.1	16.8	4.3	4.5	2.6
Dnipropetrovsk	8.7	2.2	0.6	0.4	6.2	1.6	0.4	0.3
Donetsk	3.2	0.8	0.4	0.3	1.6	0.4	0.2	0.1
Zhytomyr	24.0	6.2	5.1	3.1	21.9	5.6	4.6	2.9
Zakarpattia	0.2	0.1	0.0	0.0	0.5	0.1	0.1	0.1
Zaporizhia	1.8	0.5	0.3	0.2	1.4	0.4	0.2	0.1
Ivano-Frankivsk	17.2	4.4	3.3	2.0	21.8	5.6	4.1	2.5
Kyiv	179.8	46.5	24.7	16.7	188.0	48.4	26.0	17.4
Kirovohrad	12.0	3.1	3.2	2.0	8.4	2.2	2.3	1.4
Luhansk	2.1	0.5	0.7	0.5	1.6	0.4	0.6	0.4
Lviv	4.4	1.1	0.4	0.3	5.3	1.4	0.5	0.3
Mykolaiv	2.6	0.7	0.5	0.4	1.7	0.4	0.4	0.2
Odesa	0.9	0.2	0.1	0.1	1.9	0.5	0.2	0.1
Poltava	10.3	2.7	1.8	1.2	8.9	2.3	1.6	1.0
Rivne	6.5	1.7	1.5	0.9	7.9	2.0	1.9	1.1
Sumy	10.1	2.6	2.3	1.4	8.1	2.1	1.8	1.2
Ternopil	5.8	1.5	1.5	0.9	6.1	1.6	1.5	0.9
Kharkiv	2.7	0.7	0.2	0.2	2.5	0.6	0.2	0.1
Kherson	3.3	0.9	0.8	0.5	3.4	0.9	0.8	0.5
Khmelnysk	11.9	3.1	2.4	1.5	15.2	3.9	3.1	1.9
Cherkasy	12.3	3.2	2.4	1.6	12.9	3.3	2.5	1.7
Chernivtsi	3.0	0.8	0.9	0.5	3.3	0.9	1.0	0.6
Chernihiv	23.8	6.2	5.8	3.8	22.6	5.8	5.6	3.6
Kyiv city	2.8	0.7	0.2	0.2	2.5	0.6	0.2	0.1

# **UNEMPLOYED POPULATION, 2016**

## **SECTION 3**

## 3.1. Unemployed population, by sex and place of residence

	Unemployed population aged 15-70, thsd. prs.	including			
		sought a job	tried to establish own business	found a job	
				start working during next two weeks	waiting for answers
in percentage to the total					
<b>Total</b>					
quarter	1,767.4	95.8	0.3	1.1	2.8
quarter	1,615.6	97.8	0.3	0.9	1.0
quarter	1,603.6	97.3	0.5	1.0	1.2
V quarter	1,726.2	96.7	0.9	1.3	1.1
year	1,678.2	96.9	0.5	1.1	1.5
<b>Women</b>					
quarter	653.2	97.5	0.1	0.5	1.9
quarter	617.0	98.0	0.1	0.8	1.1
quarter	655.0	98.8	-	1.0	0.2
V quarter	683.0	98.5	0.3	0.8	0.4
year	652.0	98.2	0.1	0.8	0.9
<b>Men</b>					
quarter	1,114.2	94.9	0.5	1.4	3.2
quarter	998.6	97.7	0.4	0.9	1.0
quarter	948.6	96.3	0.9	1.1	1.7
V quarter	1,043.2	95.5	1.3	1.5	1.7
year	1,026.2	96.1	0.8	1.2	1.9
<b>Urban settlements</b>					
quarter	1,138.0	96.1	0.2	0.9	2.8
quarter	1,078.5	98.7	0.3	0.2	0.8
quarter	1,124.1	97.3	0.7	1.1	0.9
V quarter	1,171.1	96.5	1.3	1.3	0.9
year	1,127.9	97.1	0.6	0.9	1.4
<b>Rural areas</b>					
quarter	629.4	95.4	0.5	1.4	2.7
quarter	537.1	96.1	0.3	2.2	1.4
quarter	479.5	97.5	0.2	1.0	1.3
V quarter	555.1	97.0	0.1	1.2	1.7
year	550.3	96.4	0.3	1.5	1.8

## 3.2. Unemployed, by reason of unemployment, sex and place of residence

	Total	Women	Men	Urban settlements	Rural areas
<b>Unemployed aged 15-70, total, thsd. prs.</b>	<b>1,678.2</b>	<b>652.0</b>	<b>1,026.2</b>	<b>1,127.9</b>	<b>550.3</b>
including by reason of unemployment, in percentage to the total					
laid off for economic reasons	22.4	25.3	20.7	25.5	16.2
dismissed due to one's own will, upon a mutual agreement of the parties	33.0	35.1	31.6	37.3	24.2
dismissed due to end of employment contract or agreement	9.4	5.9	11.6	9.1	9.8
not employed after graduating from the general educational and tertiary educational institutions	15.6	17.7	14.3	14.2	18.5
seasonal work	9.7	6.7	11.6	5.5	18.3
perform home (family) duties etc.	3.2	4.4	2.4	2.1	5.3
state of health, registering for pension	1.8	1.1	2.3	2.1	1.4
demobilized after term military service	0.7	0	1.1	0.2	1.6
other reasons	4.2	3.8	4.4	4.0	4.7

**3.3. Unemployment, by way of job search, sex and place of residence**

	Total	Women	Men	Urban settlements	Rural areas
<b>Unemployed aged 15-70, total, thsd. prs.</b>	<b>1,678.2</b>	<b>652.0</b>	<b>1,026.2</b>	<b>1,127.9</b>	<b>550.3</b>
of them were looking for a job or trying to organize their own business, thsd. prs.	<b>1,634.8</b>	<b>641.2</b>	<b>993.6</b>	<b>1,102.6</b>	<b>532.2</b>
including by main method of looking for a job, in percentage to the total					
via the press (announcements)	13.1	12.7	13.4	16.5	6.1
via internet	15.8	18.6	14.0	20.0	7.2
personal relationships	35.3	28.4	39.7	33.9	38.1
appealed directly to the administration (employer)	7.5	7.0	7.9	7.0	8.6
appealed to the state employment service	26.6	32.4	22.9	20.8	38.7
appealed to a private recruitment company	1.0	0.7	1.2	1.1	0.8
other	0.7	0.2	0.9	0.7	0.5

**3.4. Unemployed, by occupational group, sex and place of residence**

	Total	Women	Men	Urban settlements	Rural areas
<b>Unemployed aged 15-70, total, thsd. prs.</b>	<b>1,678.2</b>	<b>652.0</b>	<b>1,026.2</b>	<b>1,127.9</b>	<b>550.3</b>
of which persons with working experience, thsd. prs.	<b>1,317.9</b>	<b>500.8</b>	<b>817.1</b>	<b>922.8</b>	<b>395.1</b>
including by occupational group, in percentage to the total					
legislators, senior officials and managers	4.7	4.2	5.0	6.0	1.6
professionals	12.2	16.2	9.8	16.1	3.2
experts	9.2	11.3	7.9	10.3	6.6
clerical support workers	4.6	10.9	0.8	5.7	2.1
services and sales workers	18.0	31.3	9.9	18.5	16.9
skilled agriculture, forestry, fishery and fish farming workers	1.0	1.5	0.7	0.3	2.7
skilled workers using specific tools	17.5	6.5	24.1	18.7	14.7
plant and machine operators, and assemblers	13.3	4.4	18.7	10.3	20.2
elementary occupations	19.5	13.7	23.1	14.1	32.0



## 3.5. Unemployed, by type of economic activity, sex and place of residence

	Total	Women	Men	Urban settlements	Rural areas
<b>Unemployed aged 15-70, total, thsd. prs.</b>	<b>1,678.2</b>	<b>652.0</b>	<b>1,026.2</b>	<b>1,127.9</b>	<b>550.3</b>
of which persons with working experience, thsd. prs.	<b>1,317.9</b>	<b>500.8</b>	<b>817.1</b>	<b>922.8</b>	<b>395.1</b>
including by type of economic activity, in percentage to the total					
agriculture, forestry and fishing	14.7	12.3	16.2	4.5	38.5
industry	20.5	16.5	22.9	23.9	12.5
construction	12.4	3.0	18.1	12.7	11.5
wholesale and retail trade; repair of motor vehicles and motorcycles	18.3	24.5	14.4	21.2	11.4
transportation and storage	5.2	2.2	7.1	5.9	3.6
accommodation and food service activities	2.8	6.0	0.8	3.2	1.8
information and communication	1.5	1.6	1.5	2.2	0.1
financial and insurance activities	2.0	3.7	1.0	2.6	0.6
real estate activities	1.9	2.6	1.6	2.6	0.3
administrative and support service activities	1.4	1.3	1.5	1.6	0.9
public administration and defence, compulsory social security	6.9	7.4	6.6	7.1	6.5
education	4.2	6.1	2.9	3.6	5.4
human health and social work activities	3.2	4.8	2.3	2.9	3.9
other types of economic activity	5.0	8.0	3.1	6.0	3.0

**3.6. Unemployed, by duration of job search, sex and place of residence**

	Unemployed aged 15-70, total, thsd. prs.	Of them were looking for a job or trying to organize their own business		including by duration of job search						Average duration of job search, months
		total, thsd. prs.	in percentage to the total unemployed	until to 1 month	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months	12 and more months	
				in percentage to the total						
<b>Total</b>	<b>1,678.2</b>	<b>1,634.8</b>	<b>97.4</b>	<b>10.5</b>	<b>26.2</b>	<b>21.6</b>	<b>10.0</b>	<b>6.4</b>	<b>25.3</b>	<b>7</b>
Women	652.0	641.2	98.3	9.4	23.0	20.5	11.0	7.6	28.5	7
Men	1,026.2	993.6	96.9	11.2	28.3	22.3	9.4	5.6	23.2	6
Urban settlements	1,127.9	1,102.6	97.7	9.3	24.7	20.0	9.6	7.1	29.3	7
Rural areas	550.3	532.2	96.7	12.9	29.4	24.9	10.9	4.8	17.1	6

**3.7. Average duration of job search by unemployed, by sex, place of residence and region**

	(months)				
	Total	Women	Men	Urban settlements	Rural areas
<b>Ukraine</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>6</b>
Vinnitsia	7	7	7	7	7
Volyn	6	7	6	5	7
Dnipropetrovsk	7	7	7	8	6
Donetsk	8	9	8	8	8
Zhytomyr	4	4	4	4	5
Zakarpattia	3	3	3	2	3
Zaporizhia	8	7	9	9	4
Ivano-Frankivsk	6	6	6	7	5
Kyiv	8	8	8	9	6
Kirovohrad	7	7	6	7	5
Luhansk	8	9	8	9	5
Lviv	6	7	6	6	7
Mykolaiv	7	7	6	7	5
Odesa	5	4	6	6	4
Poltava	10	11	9	11	8
Rivne	4	3	4	4	4
Sumy	6	6	6	6	6
Ternopil	5	5	5	5	6
Kharkiv	6	10	4	6	9
Kherson	5	4	5	6	4
Khmelnysk	5	6	4	4	6
Cherkasy	8	8	8	9	6
Chernivtsi	4	4	4	5	3
Chernihiv	6	7	5	6	6
Kyiv city	10	11	9	10	6

# **ECONOMICALLY INACTIVE POPULATION, 2016**

## **SECTION 4**

## 4.1. Population, by reason of economic inactivity, sex and place of residence

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Total</b>													
quarter I	11,067.0	53.6	20.8	20.4	0.9	1.0	0.8	0.3	0.7	0.4	0.1	0.0	1.0
quarter II	10,849.7	52.4	21.5	20.8	1.2	0.9	0.9	0.2	0.8	0.1	0.1	0.1	1.0
quarter III	10,761.4	52.8	21.9	20.7	1.2	0.8	0.8	0.1	0.6	0.1	0.1	0.0	0.9
quarter IV	11,058.3	52.4	21.4	21.4	1.1	0.8	0.8	0.2	0.6	0.1	0.1	0.0	1.1
year	10,934.1	52.8	21.4	20.8	1.2	0.8	0.8	0.2	0.7	0.2	0.1	0.0	1.0
<b>Women</b>													
quarter I	6,741.4	53.0	16.8	26.8	0.6	0.7	0.7	0.2	0.5	0.1	0.1	0.0	0.5
quarter II	6,696.1	51.8	16.9	27.8	0.8	0.6	0.8	0.1	0.6	0.1	0.1	0.0	0.4
quarter III	6,598.0	52.3	17.0	28.0	0.5	0.5	0.7	0.2	0.5	0.0	0.0	0.0	0.3
quarter IV	6,735.2	51.4	16.7	28.8	0.7	0.5	0.6	0.2	0.6	0.1	0.1	0.0	0.3
year	6,692.7	52.1	16.8	27.9	0.6	0.5	0.7	0.2	0.6	0.1	0.1	0.0	0.4
<b>Men</b>													
quarter I	4,325.6	54.5	27.2	10.3	1.4	1.4	0.9	0.5	1.0	0.7	0.2	0.0	1.9
quarter II	4,153.6	53.4	28.9	9.2	2.0	1.3	1.2	0.3	1.1	0.2	0.2	0.1	2.1
quarter III	4,163.4	53.6	29.5	9.3	2.0	1.2	1.0	0.1	0.8	0.2	0.3	0.1	1.9
quarter IV	4,323.1	53.9	28.8	9.9	1.9	1.2	1.0	0.3	0.6	0.2	0.1	0.1	2.0
year	4,241.4	53.9	28.6	9.6	1.8	1.3	1.0	0.3	0.9	0.3	0.2	0.1	2.0
<b>Urban settlements</b>													
quarter I	7,330.7	55.4	22.0	18.5	0.9	0.7	0.8	0.2	0.4	0.2	0.1	0.0	0.8
quarter II	7,270.2	54.3	22.5	18.6	1.3	0.7	0.9	0.2	0.6	0.1	0.0	0.0	0.8
quarter III	7,243.8	54.1	22.9	18.9	1.2	0.6	0.8	0.1	0.5	0.0	0.1	0.0	0.8
quarter IV	7,356.9	53.8	22.8	19.5	1.2	0.4	0.8	0.2	0.3	0.1	0.1	0.0	0.8
year	7,300.4	54.4	22.6	18.9	1.1	0.6	0.8	0.1	0.5	0.1	0.1	0.0	0.8
<b>Rural areas</b>													
quarter I	3,736.3	50.1	18.5	23.9	1.0	1.5	0.8	0.6	1.3	0.7	0.2	0.0	1.4
quarter II	3,579.5	48.6	19.6	25.0	1.3	1.1	0.9	0.3	1.2	0.2	0.2	0.1	1.5
quarter III	3,517.6	49.9	19.7	24.5	0.8	1.2	1.0	0.3	0.9	0.2	0.1	0.0	1.4
quarter IV	3,701.4	49.7	18.8	25.1	1.1	1.4	0.8	0.3	1.2	0.2	0.1	0.0	1.3
year	3,633.7	49.6	19.1	24.6	1.0	1.3	0.9	0.4	1.2	0.4	0.1	0.0	1.4

**4.2. Population, by age group, sex, place of residence and reason of economic inactivity**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Total including by age group (years)</b>	<b>10,934.1</b>	<b>52.8</b>	<b>21.4</b>	<b>20.8</b>	<b>1.2</b>	<b>0.8</b>	<b>0.8</b>	<b>0.2</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>1.0</b>
15-24	2,747.9	1.7	84.3	11.0	0.4	0.6	0.6	0.4	0.5	0.1	0.0	ó	0.4
25-29	646.9	8.6	3.3	75.9	1.2	2.1	2.3	0.6	2.5	0.3	0.4	ó	2.8
30-34	577.3	12.4	0.5	74.5	3.2	1.8	1.8	0.6	2.3	0.2	0.2	ó	2.5
35-39	427.2	17.5	ó	67.4	3.1	2.5	2.6	0.3	1.8	0.6	0.4	0.2	3.6
40-49	820.6	33.6	ó	50.7	3.6	2.7	2.6	0.4	1.5	0.9	0.4	0.1	3.5
50-59	1,819.4	74.2	ó	18.9	2.2	1.0	1.1	0.2	0.6	0.3	0.1	0.1	1.3
60-70	3,894.8	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó
working age	7,039.3	26.7	33.2	32.3	1.7	1.3	1.3	0.4	1.1	0.3	0.2	0.1	1.4
over working age	3,894.8	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó

**Table 4.2. continued**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Women including by age group (years)</b>	<b>6,692.7</b>	<b>52.1</b>	<b>16.8</b>	<b>27.9</b>	<b>0.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.2</b>	<b>0.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.4</b>
15-24	1,420.3	1.3	78.8	17.8	0.2	0.3	0.5	0.3	0.6	0.0	0.0	6	0.2
25-29	487.6	3.1	1.6	89.7	0.5	0.8	1.3	0.5	1.7	0.1	0.1	6	0.6
30-34	432.0	6.3	0.2	86.9	1.6	0.9	1.2	0.4	1.5	0.1	6	6	0.9
35-39	292.3	9.7	6	83.1	1.0	1.5	2.2	0.2	1.1	0.3	0.1	6	0.8
40-49	475.7	21.4	6	66.4	2.5	2.4	2.7	0.4	1.4	0.5	0.3	0.0	2.0
50-59	1,195.7	75.9	6	20.0	1.4	0.7	0.9	0.1	0.3	0.0	0.1	0.1	0.5
60-70	2,389.1	100.0	6	6	6	6	6	6	6	6	6	6	6
working age	4,303.6	25.5	26.2	43.3	1.0	0.9	1.1	0.3	0.9	0.1	0.1	0.0	0.6
over working age	2,389.1	100.0	6	6	6	6	6	6	6	6	6	6	6

**Table 4.2. continued**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Men including by age group (years)</b>	<b>4,241.4</b>	<b>53.9</b>	<b>28.6</b>	<b>9.6</b>	<b>1.8</b>	<b>1.3</b>	<b>1.0</b>	<b>0.3</b>	<b>0.9</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>2.0</b>
15-24	1,327.6	2.3	90.2	3.7	0.5	0.9	0.6	0.4	0.5	0.1	0.1	6	0.7
25-29	159.3	25.4	8.7	33.8	3.4	6.3	5.3	0.9	4.8	1.1	1.2	6	9.1
30-34	145.3	30.6	1.4	37.9	7.9	4.4	3.4	1.1	4.4	0.7	1.0	6	7.2
35-39	134.9	34.3	6	33.2	7.8	4.8	3.4	0.7	3.4	1.1	1.1	0.5	9.7
40-49	344.9	50.5	6	29.1	5.0	3.2	2.5	0.4	1.6	1.3	0.6	0.2	5.6
50-59	623.7	71.0	6	16.8	3.9	1.5	1.5	0.3	1.1	0.7	0.1	0.2	2.9
60-70	1,505.7	100.0	6	6	6	6	6	6	6	6	6	6	6
working age	2,735.7	28.5	44.3	14.9	2.8	2.0	1.6	0.5	1.4	0.5	0.3	0.1	3.1
over working age	1,505.7	100.0	6	6	6	6	6	6	6	6	6	6	6



**Table 4.2. continued**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Urban settlements including by age group (years)</b>	<b>7,300.4</b>	<b>54.4</b>	<b>22.6</b>	<b>18.9</b>	<b>1.1</b>	<b>0.6</b>	<b>0.8</b>	<b>0.1</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.8</b>
15-24	1,837.9	1.1	88.4	8.7	0.3	0.3	0.4	0.2	0.2	0.0	0.0	ó	0.4
25-29	393.5	7.2	5.0	76.9	1.3	1.8	2.7	0.3	1.9	0.1	0.2	ó	2.6
30-34	368.9	9.9	0.8	76.7	4.1	1.2	1.8	0.5	2.4	0.0	0.2	ó	2.4
35-39	262.6	14.6	ó	71.4	3.6	2.1	2.5	0.4	1.0	0.6	0.5	0.1	3.2
40-49	493.4	35.4	ó	49.9	4.1	2.4	3.0	0.2	1.0	0.6	0.4	0.1	2.9
50-59	1,202.4	77.4	ó	16.5	2.3	0.8	1.2	0.1	0.5	0.2	0.1	0.1	0.8
60-70	2,741.7	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó
working age	4,558.7	26.9	36.1	30.2	1.8	1.0	1.3	0.2	0.7	0.2	0.1	0.1	1.4
over working age	2,741.7	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó

**Table 4.2. continued**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Rural areas including by age group (years)</b>	<b>3,633.7</b>	<b>49.6</b>	<b>19.1</b>	<b>24.6</b>	<b>1.0</b>	<b>1.3</b>	<b>0.9</b>	<b>0.4</b>	<b>1.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.0</b>	<b>1.4</b>
15-24	910.0	3.1	76.0	15.6	0.6	1.1	0.9	0.6	1.2	0.2	0.1	ó	0.6
25-29	253.4	10.9	0.8	74.4	1.1	2.6	1.6	0.9	3.4	0.7	0.6	ó	3.0
30-34	208.4	16.9	0.1	70.6	1.5	2.9	1.7	0.8	2.0	0.6	0.3	ó	2.6
35-39	164.6	22.1	ó	61.0	2.4	3.2	2.7	0.2	3.1	0.6	0.3	0.3	4.1
40-49	327.2	31.0	ó	52.1	2.8	3.3	2.0	0.7	2.2	1.3	0.5	0.0	4.1
50-59	617.0	68.2	ó	23.7	2.1	1.4	0.8	0.3	0.9	0.4	0.1	0.2	1.9
60-70	1,153.1	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó
working age	2,480.6	26.2	27.9	36.1	1.5	1.9	1.3	0.6	1.7	0.5	0.2	0.1	2.0
over working age	1,153.1	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó

**4.3. Population, by level of education, sex, place of residence and reason of economic inactivity**

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Total</b> including by level of education	<b>10,934.1</b>	<b>52.8</b>	<b>21.4</b>	<b>20.8</b>	<b>1.2</b>	<b>0.8</b>	<b>0.8</b>	<b>0.2</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>1.0</b>
complete higher	1,713.7	61.9	1.0	32.7	0.8	0.5	0.7	0.2	1.2	0.1	0.2	0.0	0.7
basic higher	183.2	6.1	69.7	20.9	0.4	1.0	0.3	0.6	0.8	0	0.1	0	0.1
uncompleted higher	1,680.5	68.4	5.2	21.5	1.2	1.0	0.9	0.2	0.6	0.1	0.2	0.0	0.7
vocational	2,013.1	65.2	1.5	24.9	1.6	1.8	1.3	0.4	1.3	0.3	0.2	0.0	1.5
complete secondary	3,790.6	45.8	30.7	18.7	1.1	0.6	0.9	0.2	0.4	0.2	0.1	0.0	1.3
basic secondary	1,364.3	31.2	59.2	6.9	0.6	0.3	0.4	0.2	0.2	0.1	0.0	0.1	0.8
primary education or not educated	188.7	40.0	55.6	2.3	1.4	0	0.3	0	0	0	0	0.1	0.3
<b>Women</b> including by level of education	<b>6,692.7</b>	<b>52.1</b>	<b>16.8</b>	<b>27.9</b>	<b>0.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.2</b>	<b>0.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.4</b>
complete higher	1,188.9	53.2	0.8	42.7	0.5	0.4	0.8	0.2	1.1	0.0	0.1	0	0.2
basic higher	106.1	6.7	58.0	33.4	0.0	0.2	0.5	0.5	0.7	0	0	0	0
uncompleted higher	1,196.0	67.3	3.5	25.6	0.9	0.9	0.8	0.1	0.5	0.1	0.1	0	0.2
vocational	1,051.5	60.1	0.9	34.2	0.8	1.0	1.1	0.3	1.0	0.1	0.1	0.0	0.4
complete secondary	2,311.4	47.7	24.4	25.1	0.6	0.4	0.6	0.2	0.3	0.1	0.0	0.0	0.6
basic secondary	744.5	36.6	52.1	9.7	0.3	0.2	0.3	0.1	0.2	0.0	0	0.0	0.5
primary education or not educated	94.3	38.2	56.2	4.1	1.0	0	0.2	0	0	0	0	0	0.3

Table 4.3. continued

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Men</b>	<b>4,241.4</b>	<b>53.9</b>	<b>28.6</b>	<b>9.6</b>	<b>1.8</b>	<b>1.3</b>	<b>1.0</b>	<b>0.3</b>	<b>0.9</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>2.0</b>
including by level of education													
complete higher	524.8	81.8	1.2	10.4	1.5	0.7	0.5	0.1	1.5	0.2	0.4	0.1	1.6
basic higher	77.1	5.2	85.8	3.6	1.2	2.1	6	0.8	0.9	6	0.1	6	0.3
uncompleted higher	484.5	71.2	9.4	11.2	2.1	1.2	0.9	0.5	1.0	0.1	0.4	0.2	1.8
vocational	961.6	70.8	2.3	14.6	2.4	2.8	1.5	0.5	1.6	0.5	0.3	0.0	2.7
complete secondary	1,479.2	42.7	40.7	9.1	1.7	1.0	1.2	0.2	0.5	0.5	0.1	0.0	2.3
basic secondary	619.8	24.8	67.7	3.9	1.1	0.3	0.5	0.2	0.1	0.1	0.1	0.1	1.1
primary education or not educated	94.4	41.7	55.1	0.5	1.9	6	0.3	6	6	6	6	0.2	0.3
<b>Urban settlements</b>	<b>7,300.4</b>	<b>54.4</b>	<b>22.6</b>	<b>18.9</b>	<b>1.1</b>	<b>0.6</b>	<b>0.8</b>	<b>0.1</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.8</b>
including by level of education													
complete higher	1,479.0	62.3	1.0	32.8	0.9	0.4	0.7	0.1	1.1	0.0	0.1	0.0	0.6
basic higher	147.1	5.0	74.2	17.8	0.6	0.9	0.2	0.6	0.5	6	0.1	6	0.1
uncompleted higher	1,293.5	70.6	5.4	19.5	1.2	0.8	0.9	0.2	0.5	0.1	0.1	0.1	0.6
vocational	1,288.1	70.3	1.7	21.5	1.6	1.3	1.3	0.1	0.6	0.2	0.1	0.0	1.3
complete secondary	2,308.4	44.1	39.2	13.3	1.0	0.3	0.8	0.1	0.1	0.1	0.0	0.0	1.0
basic secondary	685.4	25.0	68.0	4.7	0.8	0.2	0.3	0.2	6	0.1	0.0	6	0.7
primary education or not educated	98.9	33.7	61.4	1.9	2.0	6	0.2	6	6	6	6	0.2	0.6
<b>Rural areas</b>	<b>3,633.7</b>	<b>49.6</b>	<b>19.1</b>	<b>24.6</b>	<b>1.0</b>	<b>1.3</b>	<b>0.9</b>	<b>0.4</b>	<b>1.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.0</b>	<b>1.4</b>
including by level of education													
complete higher	234.7	59.5	0.9	32.7	0.3	1.3	0.7	0.6	2.1	0.2	0.3	6	1.4
basic higher	36.1	10.2	51.5	34.0	6	1.4	0.6	0.6	1.7	6	6	6	6
uncompleted higher	387.0	61.0	4.6	28.3	1.1	1.5	0.8	0.1	0.9	0.4	0.3	6	1.0
vocational	725.0	56.3	1.2	31.0	1.7	2.7	1.3	0.8	2.4	0.6	0.2	0.0	1.8
complete secondary	1,482.2	48.4	17.5	27.4	1.2	1.1	0.9	0.4	0.9	0.4	0.1	0.0	1.7
basic secondary	678.9	37.5	50.3	9.4	0.5	0.3	0.5	0.1	0.4	0.0	0.1	0.1	0.8
primary education or not educated	89.8	46.9	49.3	2.7	0.8	6	0.3	6	6	6	6	6	6

## 4.4. Population, by reason of economic inactivity and region

	Economically inactive population, total, thsd. prs.	by reason											
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other
		in percentage to the total											
<b>Ukraine</b>	<b>10,934.1</b>	<b>52.8</b>	<b>21.4</b>	<b>20.8</b>	<b>1.2</b>	<b>0.8</b>	<b>0.8</b>	<b>0.2</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>1.0</b>
Vinnitsia	433.2	54.0	23.2	17.6	1.0	1.2	0.3	0.4	1.3	0.3	0.2	ó	0.5
Volyn	317.2	45.9	19.8	29.4	0.6	0.8	ó	0.9	1.4	0.3	0.1	ó	0.8
Dnipropetrovsk	866.2	55.2	23.0	17.1	0.7	0.5	1.0	0.0	0.5	0.1	0.0	ó	1.9
Donetsk	624.1	59.5	13.0	16.9	2.7	1.4	3.6	0.1	0.4	0.1	0.1	0.2	2.0
Zhytomyr	336.2	52.3	15.7	29.6	0.6	ó	0.0	ó	0.5	0.0	ó	0.1	1.2
Zakarpattia	361.1	48.0	17.9	30.1	0.1	0.2	0.4	0.1	0.5	1.1	ó	0.1	1.5
Zaporizhia	496.3	55.3	17.9	20.5	0.5	1.2	0.3	0.2	0.9	0.2	0.0	0.0	3.0
Ivano-Frankivsk	407.5	52.5	23.1	20.8	2.5	0.6	0.3	ó	0.2	ó	ó	ó	ó
Kyiv	485.0	58.9	20.6	14.8	1.0	0.3	1.5	0.0	0.3	0.0	0.0	0.0	2.6
Kirovohrad	281.3	55.0	17.6	21.9	1.2	2.1	0.6	0.1	0.6	0.2	ó	ó	0.7
Luhansk	181.6	63.4	17.8	13.2	1.0	0.6	2.6	0.1	0.8	ó	0.1	0.2	0.2
Lviv	736.6	51.6	23.0	20.4	1.0	1.9	0.7	0.3	0.8	0.2	0.1	ó	ó
Mykolaiv	315.4	52.9	20.9	22.6	0.9	0.6	1.3	ó	0.3	0.1	ó	ó	0.4
Odesa	692.1	49.0	21.5	25.2	2.5	0.2	0.2	0.0	0.7	0.4	0.2	0.0	0.1
Poltava	417.4	56.1	19.3	19.8	1.3	1.4	0.1	0.4	0.4	0.3	0.1	ó	0.8
Rivne	303.0	39.7	25.9	25.6	1.5	0.8	0.3	0.9	2.4	0.2	1.4	0.0	1.3
Sumy	314.8	53.9	19.8	12.3	2.0	4.0	1.9	1.9	1.9	0.1	0.2	ó	2.0
Ternopil	323.9	45.6	18.3	30.4	0.5	1.3	ó	0.2	3.0	0.5	0.2	0.0	ó
Kharkiv	748.8	55.1	28.6	16.2	ó	0.0	ó	0.1	ó	ó	ó	ó	0.0
Kherson	293.9	55.0	17.3	22.0	0.6	0.7	2.8	0.0	0.5	0.3	0.1	ó	0.7
Khmelnysk	383.0	51.3	17.2	27.4	1.9	0.5	0.2	0.4	0.4	0.3	0.2	0.1	0.1
Cherkasy	342.8	60.0	22.3	10.5	0.7	0.5	1.8	0.1	0.0	0.1	ó	0.0	4.0
Chernivtsi	257.8	42.6	25.6	24.6	2.5	0.9	1.6	0.6	1.0	ó	ó	0.3	0.3
Chernihiv	285.7	57.2	14.7	24.7	0.5	0.5	ó	0.1	0.3	0.1	ó	0.0	1.9
Kyiv city	729.2	46.7	32.1	19.6	0.2	0.2	0.6	0.1	0.3	ó	0.1	ó	0.1

**4.5. Population of working age, discouraged in the job searching, by reason of unemployment, sex and place of residence**

	Total	Women	Men	Urban settlements	Rural areas
<b>Population discouraged in the job searching, total, thsd. prs.</b>	<b>91.5</b>	<b>36.7</b>	<b>54.8</b>	<b>43.9</b>	<b>47.6</b>
including by reason of unemployment, in percentage to the total					
laid off for economic reasons	24.3	26.2	23.0	30.1	18.9
dismissed due to one's own will, upon a mutual agreement of the parties	22.3	20.4	23.5	26.4	18.5
dismissed due to end of employment contract or agreement	5.8	5.4	6.0	7.5	4.2
not employed after graduating from the general educational and tertiary educational institutions	16.0	11.2	19.2	9.3	22.1
perform home (family) duties etc.	19.6	27.5	14.2	13.7	25.0
other reasons	12.0	9.3	14.1	13.0	11.3

**4.6. Population of working age, discouraged in the job searching, by duration of unemployment, sex and place of residence**

	Population discouraged in the job searching, total, thsd. prs	Of which persons with working experience		by duration of unemployment						Average duration of unemployment, months
		total, thsd. prs.	in percentage to the total discouraged	until to 1 month	1-3 months	3-6 months	6-9 months	9-12 months	12 months and more	
				in percentage to the total						
<b>Total</b>	<b>91.5</b>	<b>54.6</b>	<b>59.7</b>	<b>0.5</b>	<b>2.2</b>	<b>7.0</b>	<b>4.2</b>	<b>4.3</b>	<b>81.8</b>	<b>26</b>
Women	36.7	22.1	60.2	0.5	1.8	6.8	2.7	5.8	82.4	27
Men	54.8	32.5	59.3	0.6	2.5	7.1	5.2	3.0	81.6	25
Urban settlements	43.9	32.5	74.0	0.3	1.5	8.6	2.5	5.2	81.9	26
Rural areas	47.6	22.1	46.4	0.9	3.2	4.5	6.8	2.7	81.9	26

**MAIN INDICATORS OF ECONOMIC ACTIVITY OF  
POPULATION, 2010 ó 2016**

**SECTION 5**



## 5.1. Economically active population, by age group, sex and place of residence

(thsd. prs.)

	Economically active population aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Total</b>										
2010	20,894.1	2,522.4	2,818.6	2,660.9	2,658.5	5,213.6	3,924.7	1,095.4	19,164.0	1,730.1
2013	20,824.6	2,101.1	2,963.3	2,761.8	2,689.8	5,051.6	4,172.8	1,084.2	19,399.7	1,424.9
2014	19,920.9	1,952.1	2,882.6	2,819.9	2,658.7	4,923.5	3,963.3	720.8	19,035.2	885.7
2015	18,097.9	1,615.7	2,563.8	2,609.6	2,438.4	4,529.9	3,699.8	640.7	17,396.0	701.9
2016	17,955.1	1,484.3	2,433.5	2,633.1	2,461.0	4,541.7	3,750.0	651.5	17,303.6	651.5
<b>Women</b>										
2010	10,140.3	1,069.9	1,235.1	1,242.4	1,303.1	2,715.8	1,960.5	613.5	8,892.1	1,248.2
2013	9,960.0	883.2	1,270.0	1,244.5	1,292.2	2,583.2	2,099.2	587.7	9,031.6	928.4
2014	9,428.3	803.5	1,221.3	1,238.4	1,271.2	2,528.8	1,980.1	385.0	8,878.4	549.9
2015	8,564.6	688.2	1,099.7	1,146.9	1,163.5	2,313.3	1,830.5	322.5	8,180.9	383.7
2016	8,479.4	639.0	1,020.9	1,151.9	1,161.6	2,302.1	1,867.4	336.5	8,142.9	336.5
<b>Men</b>										
2010	10,753.8	1,452.5	1,583.5	1,418.5	1,355.4	2,497.8	1,964.2	481.9	10,271.9	481.9
2013	10,864.6	1,217.9	1,693.3	1,517.3	1,397.6	2,468.4	2,073.6	496.5	10,368.1	496.5
2014	10,492.6	1,148.6	1,661.3	1,581.5	1,387.5	2,394.7	1,983.2	335.8	10,156.8	335.8
2015	9,533.3	927.5	1,464.1	1,462.7	1,274.9	2,216.6	1,869.3	318.2	9,215.1	318.2
2016	9,475.7	845.3	1,412.6	1,481.2	1,299.4	2,239.6	1,882.6	315.0	9,160.7	315.0
<b>Urban settlements</b>										
2010	14,311.0	1,583.4	2,125.0	1,935.3	1,873.7	3,606.7	2,700.1	486.8	13,410.8	900.2
2013	14,312.9	1,287.9	2,175.6	2,061.9	1,934.8	3,483.5	2,846.1	523.1	13,581.8	731.1
2014	14,070.3	1,250.5	2,110.5	2,155.4	1,931.7	3,437.1	2,773.5	411.6	13,552.7	517.6
2015	12,430.4	950.2	1,788.6	1,952.9	1,737.0	3,078.2	2,523.5	400.0	11,990.2	440.2
2016	12,306.4	847.3	1,657.6	1,970.5	1,765.7	3,097.7	2,560.0	407.6	11,898.8	407.6
<b>Rural areas</b>										
2010	6,583.1	939.0	693.6	725.6	784.8	1,606.9	1,224.6	608.6	5,753.2	829.9
2013	6,511.7	813.2	787.7	699.9	755.0	1,568.1	1,326.7	561.1	5,817.9	693.8
2014	5,850.6	701.6	772.1	664.5	727.0	1,486.4	1,189.8	309.2	5,482.5	368.1
2015	5,667.5	665.5	775.2	656.7	701.4	1,451.7	1,176.3	240.7	5,405.8	261.7
2016	5,648.7	637.0	775.9	662.6	695.3	1,444.0	1,190.0	243.9	5,404.8	243.9

**5.2. Economic activity rate of population, by age group, sex and place of residence**

(in percentage to the population of relevant age group)

	Economically active population aged 15-70	by age group (years)							Working age	Over working age	
		15-24	25-29	30-34	35-39	40-49	50-59	60-70			
<b>Total</b>											
2010	63.6	40.6	80.0	83.4	86.1	84.5	64.4	24.1	71.9	28.0	
2013	64.9	39.1	80.9	83.9	86.6	85.8	66.9	23.9	72.9	25.9	
2014	62.4	38.4	80.5	82.6	84.8	84.6	63.2	15.5	71.4	16.7	
2015	62.4	36.3	80.8	82.3	85.2	85.0	65.9	14.5	71.5	14.9	
2016	62.2	35.1	79.0	82.0	85.2	84.7	67.3	14.3	71.1	14.3	
<b>Women</b>											
2010	58.4	35.2	71.1	77.7	82.8	83.6	57.8	22.2	68.6	28.4	
2013	59.0	33.8	70.6	76.0	82.0	84.0	60.8	21.5	68.4	25.2	
2014	56.1	32.5	69.4	73.3	80.2	83.3	57.1	13.8	66.5	16.0	
2015	56.2	31.8	70.7	73.3	80.5	83.7	59.1	12.2	66.5	13.1	
2016	55.9	31.0	67.7	72.7	79.9	82.9	61.0	12.3	65.4	12.3	
<b>Men</b>											
2010	69.4	45.7	88.6	89.2	89.5	85.4	72.5	27.0	75.0	27.0	
2013	71.4	44.2	90.8	91.7	91.4	87.7	74.4	27.5	77.4	27.5	
2014	69.3	44.0	91.3	91.7	89.5	86.0	70.7	18.1	76.4	18.1	
2015	69.2	40.6	90.5	91.2	90.1	86.5	74.1	17.9	76.7	17.9	
2016	69.1	38.9	89.9	91.1	90.6	86.7	75.1	17.3	77.0	17.3	
<b>Urban settlements</b>											
2010	62.0	36.9	80.7	84.4	86.7	84.3	62.0	15.9	71.3	21.1	
2013	63.4	35.7	81.6	85.0	87.5	85.7	64.3	16.5	72.7	18.8	
2014	62.6	37.0	82.8	84.3	85.9	85.6	62.5	12.5	72.4	13.8	
2015	63.1	33.5	83.4	84.3	87.1	86.6	66.2	13.1	72.9	13.5	
2016	62.8	31.6	80.8	84.2	87.1	86.3	68.0	12.9	72.3	12.9	
<b>Rural areas</b>											
2010	67.5	48.7	77.8	80.9	84.6	84.9	70.4	41.1	73.4	43.3	
2013	68.4	46.1	79.0	80.9	84.3	85.9	73.2	41.3	73.6	42.9	
2014	61.8	41.3	75.0	77.3	82.0	82.4	64.8	22.9	69.1	24.1	
2015	60.8	41.2	75.3	76.9	81.0	81.9	65.1	17.5	68.8	18.0	
2016	60.9	41.2	75.4	76.1	80.9	81.5	65.9	17.5	68.5	17.5	

## 5.3. Employed population, by age group, sex and place of residence

(thsd. prs.)

	Employed population aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Total</b>										
2010	19,180.2	2,087.9	2,538.1	2,444.3	2,447.2	4,856.8	3,710.8	1,095.1	17,451.5	1,728.7
2013	19,314.2	1,744.6	2,699.9	2,574.0	2,522.1	4,734.0	3,955.4	1,084.2	17,889.4	1,424.8
2014	18,073.3	1,500.3	2,562.7	2,558.1	2,442.2	4,564.3	3,725.4	720.3	17,188.1	885.2
2015	16,443.2	1,254.5	2,277.7	2,355.7	2,262.0	4,186.1	3,467.0	640.2	15,742.0	701.2
2016	16,276.9	1,143.6	2,149.3	2,397.5	2,263.9	4,194.2	3,477.6	650.8	15,626.1	650.8
<b>Women</b>										
2010	9,442.0	889.8	1,136.8	1,154.0	1,213.1	2,552.0	1,882.8	613.5	8,194.9	1,247.1
2013	9,329.5	740.4	1,172.6	1,167.9	1,213.8	2,444.6	2,002.5	587.7	8,401.2	928.3
2014	8,718.9	623.6	1,103.3	1,144.5	1,183.2	2,387.0	1,892.7	384.6	8,169.4	549.5
2015	7,872.4	537.8	981.0	1,050.5	1,085.2	2,150.0	1,745.5	322.4	7,489.0	383.4
2016	7,827.4	501.5	917.0	1,064.8	1,080.1	2,157.8	1,769.7	336.5	7,490.9	336.5
<b>Men</b>										
2010	9,738.2	1,198.1	1,401.3	1,290.3	1,234.1	2,304.8	1,828.0	481.6	9,256.6	481.6
2013	9,984.7	1,004.2	1,527.3	1,406.1	1,308.3	2,289.4	1,952.9	496.5	9,488.2	496.5
2014	9,354.4	876.7	1,459.4	1,413.6	1,259.0	2,177.3	1,832.7	335.7	9,018.7	335.7
2015	8,570.8	716.7	1,296.7	1,305.2	1,176.8	2,036.1	1,721.5	317.8	8,253.0	317.8
2016	8,449.5	642.1	1,232.3	1,332.7	1,183.8	2,036.4	1,707.9	314.3	8,135.2	314.3
<b>Urban settlements</b>										
2010	13,072.2	1,265.1	1,905.9	1,777.1	1,733.2	3,357.2	2,547.2	486.5	12,173.4	898.8
2013	13,280.7	1,050.2	1,983.3	1,928.2	1,816.7	3,278.7	2,700.5	523.1	12,549.6	731.1
2014	12,780.9	960.6	1,891.8	1,958.3	1,773.5	3,183.8	2,601.7	411.2	12,263.7	517.2
2015	11,309.0	727.0	1,595.7	1,769.7	1,606.9	2,844.5	2,365.7	399.5	10,869.5	439.5
2016	11,178.5	646.5	1,467.3	1,800.9	1,623.6	2,856.9	2,376.3	407.0	10,771.5	407.0
<b>Rural areas</b>										
2010	6,108.0	822.8	632.2	667.2	714.0	1,499.6	1,163.6	608.6	5,278.1	829.9
2013	6,033.5	694.4	716.6	645.8	705.4	1,455.3	1,254.9	561.1	5,339.8	693.7
2014	5,292.4	539.7	670.9	599.8	668.7	1,380.5	1,123.7	309.1	4,924.4	368.0
2015	5,134.2	527.5	682.0	586.0	655.1	1,341.6	1,101.3	240.7	4,872.5	261.7
2016	5,098.4	497.1	682.0	596.6	640.3	1,337.3	1,101.3	243.8	4,854.6	243.8

**5.4. Employment rate, by age group, sex and place of residence**

(in percentage to the population of relevant age group)

	Employed population aged 15-70	by age group (years)							Working age	Over working age	
		15-24	25-29	30-34	35-39	40-49	50-59	60-70			
<b>Total</b>											
2010	58.4	33.6	72.0	76.6	79.2	78.7	60.9	24.1	65.5	28.0	
2013	60.2	32.5	73.7	78.2	81.2	80.4	63.4	23.9	67.3	25.9	
2014	56.6	29.5	71.6	74.9	77.9	78.4	59.4	15.5	64.5	16.7	
2015	56.7	28.2	71.8	74.3	79.1	78.6	61.7	14.5	64.7	14.9	
2016	56.3	27.0	69.8	74.7	78.4	78.2	62.4	14.3	64.2	14.3	
<b>Women</b>											
2010	54.4	29.3	65.4	72.1	77.1	78.6	55.6	22.2	63.3	28.4	
2013	55.3	28.3	65.2	71.4	77.0	79.5	58.0	21.5	63.7	25.2	
2014	51.9	25.2	62.7	67.7	74.6	78.7	54.6	13.8	61.1	16.0	
2015	51.7	24.8	63.1	67.1	75.1	77.8	56.4	12.2	60.9	13.1	
2016	51.6	24.4	60.8	67.2	74.3	77.7	57.8	12.3	60.2	12.3	
<b>Men</b>											
2010	62.9	37.7	78.4	81.1	81.4	78.8	67.5	27.0	67.5	27.0	
2013	65.6	36.5	81.9	84.9	85.5	81.4	70.1	27.5	70.8	27.5	
2014	61.8	33.6	80.2	81.9	81.2	78.2	65.3	18.1	67.8	18.1	
2015	62.2	31.3	80.1	81.3	83.1	79.4	68.2	17.9	68.7	17.9	
2016	61.6	29.6	78.4	81.9	82.5	78.8	68.1	17.3	68.4	17.3	
<b>Urban settlements</b>											
2010	56.6	29.5	72.4	77.5	80.2	78.5	58.4	15.8	64.7	21.1	
2013	58.8	29.1	74.4	79.5	82.2	80.7	61.0	16.5	67.1	18.8	
2014	56.9	28.4	74.2	76.6	78.9	79.3	58.6	12.5	65.5	13.7	
2015	57.4	25.6	74.4	76.4	80.5	80.0	62.1	13.1	66.0	13.5	
2016	57.0	24.1	71.5	77.0	80.0	79.6	63.2	12.9	65.5	12.9	
<b>Rural areas</b>											
2010	62.6	42.7	70.9	74.4	76.9	79.2	66.9	41.1	67.3	43.3	
2013	63.4	39.3	71.8	74.6	78.7	79.8	69.3	41.3	67.6	42.9	
2014	55.9	31.8	65.2	69.8	75.4	76.6	61.2	22.9	62.0	24.1	
2015	55.1	32.7	66.3	68.6	75.7	75.7	60.9	17.5	62.0	18.0	
2016	54.9	32.1	66.3	68.5	74.5	75.5	60.9	17.5	61.6	17.5	

**5.5. Unemployed population, by age group, sex and place of residence**

(thsd. prs.)

	Unemployed population aged 15-70	by age group (years)							Working age	Over working age
		15-24	25-29	30-34	35-39	40-49	50-59	60-70		
<b>Total</b>										
2010	1,713.9	434.5	280.5	216.6	211.3	356.8	213.9	0.3	1,712.5	1.4
2013	1,510.4	356.5	263.4	187.8	167.7	317.6	217.4	0	1,510.3	0.1
2014	1,847.6	451.8	319.9	261.8	216.5	359.2	237.9	0.5	1,847.1	0.5
2015	1,654.7	361.2	286.1	253.9	176.4	343.8	232.8	0.5	1,654.0	0.7
2016	1,678.2	340.7	284.2	235.6	197.1	347.5	272.4	0.7	1,677.5	0.7
<b>Women</b>										
2010	698.3	180.1	98.3	88.4	90.0	163.8	77.7	0	697.2	1.1
2013	630.5	142.8	97.4	76.6	78.4	138.6	96.7	0	630.4	0.1
2014	709.4	179.9	118.0	93.9	88.0	141.8	87.4	0.4	709.0	0.4
2015	692.2	150.4	118.7	96.4	78.3	163.3	85.0	0.1	691.9	0.3
2016	652.0	137.5	103.9	87.1	81.5	144.3	97.7	0	652.0	0
<b>Men</b>										
2010	1,015.6	254.4	182.2	128.2	121.3	193.0	136.2	0.3	1,015.3	0.3
2013	879.9	213.7	166.0	111.2	89.3	179.0	120.7	0	879.9	0
2014	1,138.2	271.9	201.9	167.9	128.5	217.4	150.5	0.1	1,138.1	0.1
2015	962.5	210.8	167.4	157.5	98.1	180.5	147.8	0.4	962.1	0.4
2016	1,026.2	203.2	180.3	148.5	115.6	203.2	174.7	0.7	1,025.5	0.7
<b>Urban settlements</b>										
2010	1,238.8	318.3	219.1	158.2	140.5	249.5	152.9	0.3	1,237.4	1.4
2013	1,032.2	237.7	192.3	133.7	118.1	204.8	145.6	0	1,032.2	0
2014	1,289.4	289.9	218.7	197.1	158.2	253.3	171.8	0.4	1,289.0	0.4
2015	1,121.4	223.2	192.9	183.2	130.1	233.7	157.8	0.5	1,120.7	0.7
2016	1,127.9	200.8	190.3	169.6	142.1	240.8	183.7	0.6	1,127.3	0.6
<b>Rural areas</b>										
2010	475.1	116.2	61.4	58.4	70.8	107.3	61.0	0	475.1	0
2013	478.2	118.8	71.1	54.1	49.6	112.8	71.8	0	478.1	0.1
2014	558.2	161.9	101.2	64.7	58.3	105.9	66.1	0.1	558.1	0.1
2015	533.3	138.0	93.2	70.7	46.3	110.1	75.0	0	533.3	0
2016	550.3	139.9	93.9	66.0	55.0	106.7	88.7	0.1	550.2	0.1

**5.6. Unemployment rate, by age group, sex and place of residence**

(in percentage to the economically active population of relevant age group)

	Unemployed population aged 15-70	by age group (years)						Working age	Over working age	
		15-24	25-29	30-34	35-39	40-49	50-59			60-70
<b>Total</b>										
2010	8.2	17.2	10.0	8.1	7.9	6.8	5.5	0.0	8.9	0.1
2013	7.3	17.0	8.9	6.8	6.2	6.3	5.2	0	7.8	0.0
2014	9.3	23.1	11.1	9.3	8.1	7.3	6.0	0.1	9.7	0.1
2015	9.1	22.4	11.2	9.7	7.2	7.6	6.3	0.1	9.5	0.1
2016	9.3	23.0	11.7	8.9	8.0	7.7	7.3	0.1	9.7	0.1
<b>Women</b>										
2010	6.9	16.8	8.0	7.1	6.9	6.0	4.0	0	7.8	0.1
2013	6.3	16.2	7.7	6.2	6.1	5.4	4.6	0	7.0	0.0
2014	7.5	22.4	9.7	7.6	6.9	5.6	4.4	0.1	8.0	0.1
2015	8.1	21.9	10.8	8.4	6.7	7.1	4.6	0.0	8.5	0.1
2016	7.7	21.5	10.2	7.6	7.0	6.3	5.2	0	8.0	0
<b>Men</b>										
2010	9.4	17.5	11.5	9.0	8.9	7.7	6.9	0.1	9.9	0.1
2013	8.1	17.5	9.8	7.3	6.4	7.3	5.8	0	8.5	0
2014	10.8	23.7	12.2	10.6	9.3	9.1	7.6	0.0	11.2	0.0
2015	10.1	22.7	11.4	10.8	7.7	8.1	7.9	0.1	10.4	0.1
2016	10.8	24.0	12.8	10.0	8.9	9.1	9.3	0.2	11.2	0.2
<b>Urban settlements</b>										
2010	8.7	20.1	10.3	8.2	7.5	6.9	5.7	0.1	9.2	0.2
2013	7.2	18.5	8.8	6.5	6.1	5.9	5.1	0	7.6	0
2014	9.2	23.2	10.4	9.1	8.2	7.4	6.2	0.1	9.5	0.1
2015	9.0	23.5	10.8	9.4	7.5	7.6	6.3	0.1	9.3	0.2
2016	9.2	23.7	11.5	8.6	8.0	7.8	7.2	0.1	9.5	0.1
<b>Rural areas</b>										
2010	7.2	12.4	8.9	8.0	9.0	6.7	5.0	0	8.3	0
2013	7.3	14.6	9.0	7.7	6.6	7.2	5.4	0	8.2	0.0
2014	9.5	23.1	13.1	9.7	8.0	7.1	5.6	0.0	10.2	0.0
2015	9.4	20.7	12.0	10.8	6.6	7.6	6.4	0	9.9	0
2016	9.7	22.0	12.1	10.0	7.9	7.4	7.5	0.0	10.2	0.0

## 5.7. Economically inactive population, by age group, sex and place of residence

(thsd. prs.)

	Economically inactive population aged 15-70	by age group (years)							Working age	Over working age	
		15-24	25-29	30-34	35-39	40-49	50-59	60-70			
<b>Total</b>											
2010	11,945.0	3,691.5	706.5	529.3	429.9	957.9	2,173.2	3,456.7	7,493.5	4,451.5	
2013	11,270.1	3,267.1	699.3	530.2	416.6	836.8	2,066.5	3,453.6	7,196.5	4,073.6	
2014	12,023.0	3,128.8	696.8	595.8	477.1	895.4	2,309.5	3,919.6	7,617.7	4,405.3	
2015	10,925.5	2,836.4	609.8	560.5	422.5	796.4	1,918.1	3,781.8	6,920.6	4,004.9	
2016	10,934.1	2,747.9	646.9	577.3	427.2	820.6	1,819.4	3,894.8	7,039.3	3,894.8	
<b>Women</b>											
2010	7,211.2	1,966.4	502.5	357.2	270.1	531.5	1,428.8	2,154.7	4,061.7	3,149.5	
2013	6,925.4	1,731.7	528.5	392.0	284.5	492.1	1,354.6	2,142.0	4,163.4	2,762.0	
2014	7,370.3	1,669.1	538.5	451.9	314.2	505.5	1,488.1	2,403.0	4,481.6	2,888.7	
2015	6,674.7	1,477.7	455.7	418.5	281.7	449.9	1,264.3	2,326.9	4,124.7	2,550.0	
2016	6,692.7	1,420.3	487.6	432.0	292.3	475.7	1,195.7	2,389.1	4,303.6	2,389.1	
<b>Men</b>											
2010	4,733.8	1,725.1	204.0	172.1	159.8	426.4	744.4	1,302.0	3,431.8	1,302.0	
2013	4,344.7	1,535.4	170.8	138.2	132.1	344.7	711.9	1,311.6	3,033.1	1,311.6	
2014	4,652.7	1,459.7	158.3	143.9	162.9	389.9	821.4	1,516.6	3,136.1	1,516.6	
2015	4,250.8	1,358.7	154.1	142.0	140.8	346.5	653.8	1,454.9	2,795.9	1,454.9	
2016	4,241.4	1,327.6	159.3	145.3	134.9	344.9	623.7	1,505.7	2,735.7	1,505.7	
<b>Urban settlements</b>											
2010	8,769.9	2,703.2	508.1	358.4	286.5	672.5	1,658.2	2,583.0	5,404.2	3,365.7	
2013	8,261.2	2,315.4	489.4	364.5	275.6	580.2	1,581.2	2,654.9	5,109.9	3,151.3	
2014	8,407.1	2,132.1	439.9	400.6	317.0	578.5	1,662.6	2,876.4	5,161.1	3,246.0	
2015	7,277.8	1,887.2	355.7	363.0	258.1	476.1	1,286.9	2,650.8	4,467.3	2,810.5	
2016	7,300.4	1,837.9	393.5	368.9	262.6	493.4	1,202.4	2,741.7	4,558.7	2,741.7	
<b>Rural areas</b>											
2010	3,175.1	988.3	198.4	170.9	143.4	285.4	515.0	873.7	2,089.3	1,085.8	
2013	3,008.9	951.7	209.9	165.7	141.0	256.6	485.3	798.7	2,086.6	922.3	
2014	3,615.9	996.7	256.9	195.2	160.1	316.9	646.9	1,043.2	2,456.6	1,159.3	
2015	3,647.7	949.2	254.1	197.5	164.4	320.3	631.2	1,131.0	2,453.3	1,194.4	
2016	3,633.7	910.0	253.4	208.4	164.6	327.2	617.0	1,153.1	2,480.6	1,153.1	

**5.8. Economic activity population, by sex, place of residence and region**

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Total</b>										
<b>Ukraine</b>	<b>20,894.1</b>	<b>20,824.6</b>	<b>19,920.9</b>	<b>18,097.9</b>	<b>17,955.1</b>	<b>63.6</b>	<b>64.9</b>	<b>62.4</b>	<b>62.4</b>	<b>62.2</b>
Vinnysia	771.2	769.0	739.2	741.2	729.8	63.9	65.1	62.9	63.4	62.8
Volyn	474.1	483.6	455.4	440.4	431.8	63.6	64.8	60.9	58.8	57.7
Dnipropetrovsk	1,659.6	1,637.8	1,601.7	1,594.9	1,547.1	64.9	66.5	65.5	65.6	64.1
Donetsk	2,166.6	2,133.7	1,968.8	877.7	871.3	63.7	65.4	60.9	58.3	58.3
Zhytomyr	621.1	609.1	581.4	571.2	571.3	65.9	66.0	63.4	62.5	63.0
Zakarpattia	582.2	586.8	574.5	571.8	561.8	63.1	63.5	62.2	61.9	60.9
Zaporizhia	892.6	879.6	844.8	825.5	816.3	64.3	65.6	63.6	62.5	62.2
Ivano-Frankivsk	577.8	606.5	595.9	609.5	610.4	57.0	59.8	58.6	59.8	60.0
Kyiv	817.6	807.8	786.9	790.6	789.8	63.2	63.4	61.8	62.0	62.0
Kirovohrad	473.5	471.0	440.3	436.6	428.8	62.4	64.5	61.0	60.9	60.4
Luhansk	1,094.1	1,078.0	990.3	362.7	355.5	61.6	63.3	58.7	64.7	66.2
Lviv	1,190.0	1,189.0	1,135.4	1,134.7	1,134.9	62.9	63.3	60.5	60.5	60.6
Mykolaiv	586.1	577.1	551.6	558.2	551.4	64.5	65.4	63.0	64.0	63.6
Odesa	1,112.5	1,124.0	1,081.9	1,086.3	1,073.1	61.3	63.0	60.8	61.2	60.8
Poltava	714.0	706.0	681.2	664.3	653.0	63.4	64.7	62.9	61.7	61.0
Rivne	532.0	546.3	532.7	541.4	530.5	64.0	65.7	64.1	65.0	63.6
Sumy	556.2	558.7	532.0	523.3	527.3	62.7	65.1	62.5	61.8	62.6
Ternopil	482.1	489.1	469.1	460.3	460.4	60.6	62.0	59.6	58.5	58.7
Kharkiv	1,365.2	1,370.6	1,328.8	1,324.2	1,321.2	63.9	65.7	63.9	63.8	63.8
Kherson	534.9	524.6	499.8	496.6	496.9	64.4	65.2	62.6	62.5	62.8
Khmelnysk	635.5	623.6	575.9	557.1	563.1	64.7	64.9	60.3	58.6	59.5
Cherkasy	627.3	617.3	584.3	580.2	577.3	64.9	65.8	62.8	62.6	62.7
Chernivtsi	418.0	423.0	407.4	404.9	411.8	62.7	63.4	61.0	60.5	61.5
Chernihiv	536.2	521.8	494.8	483.9	478.7	66.2	66.8	63.9	62.9	62.6
Kyiv city	1,473.7	1,490.6	1,466.8	1,460.4	1,461.6	67.5	68.4	67.1	66.7	66.7



Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Women</b>										
<b>Ukraine</b>	<b>10,140.3</b>	<b>9,960.0</b>	<b>9,428.3</b>	<b>8,564.6</b>	<b>8,479.4</b>	<b>58.4</b>	<b>59.0</b>	<b>56.1</b>	<b>56.2</b>	<b>55.9</b>
Vinnitsya	373.0	369.1	349.7	347.3	346.3	58.5	59.5	56.8	56.7	56.9
Volyn	227.7	235.9	224.4	208.2	198.1	58.8	61.0	58.0	53.7	51.0
Dnipropetrovsk	814.1	778.9	770.9	780.4	750.2	59.5	59.3	59.2	60.3	58.4
Donetsk	1,070.6	1,052.2	945.1	410.2	408.6	58.7	60.4	54.7	51.6	51.7
Zhytomyr	304.5	295.3	275.9	275.4	278.5	61.7	61.4	57.7	57.9	58.9
Zakarpattia	271.6	272.6	268.7	260.1	244.9	57.2	57.4	56.6	54.7	51.6
Zaporizhia	438.3	420.2	413.5	393.0	386.9	59.0	58.9	58.5	55.9	55.4
Ivano-Frankivsk	276.1	275.4	261.6	270.2	272.2	52.6	52.6	49.9	51.4	51.8
Kyiv	388.3	380.3	369.6	374.2	376.2	56.9	56.8	55.3	55.8	55.9
Kirovohrad	234.3	224.7	211.0	206.1	202.7	58.1	58.1	55.2	54.4	54.0
Luhansk	535.3	514.5	467.8	176.1	174.1	56.7	57.2	52.5	60.0	61.7
Lviv	570.2	562.0	520.7	519.6	520.5	58.5	58.2	54.0	53.8	54.1
Mykolaiv	281.0	271.6	255.3	265.7	257.3	58.3	58.2	55.2	57.7	56.2
Odesa	517.1	508.4	470.5	480.1	474.7	54.3	54.5	50.7	51.8	51.5
Poltava	347.3	340.0	323.7	316.0	307.2	58.3	59.2	56.8	55.8	54.5
Rivne	259.0	265.2	253.9	265.0	246.5	60.2	61.8	59.1	61.6	57.3
Sumy	275.5	282.7	255.2	252.1	259.5	58.5	62.4	56.8	56.4	58.3
Ternopil	233.6	235.7	224.4	222.1	226.9	56.3	57.5	54.9	54.4	55.7
Kharkiv	645.0	654.7	615.2	617.0	631.3	57.0	59.7	56.3	56.6	58.1
Kherson	249.9	239.5	228.0	232.7	224.0	57.0	56.6	54.3	55.7	53.9
Khmelnitsk	308.9	297.5	279.5	265.0	261.1	60.0	59.3	56.1	53.4	52.9
Cherkasy	314.1	296.5	278.8	274.6	276.6	61.1	59.7	56.6	56.1	56.9
Chernivtsi	202.5	186.9	186.2	192.1	189.2	58.0	53.6	53.4	55.0	54.2
Chernihiv	274.8	267.5	246.7	231.5	235.2	64.2	65.2	60.7	57.3	58.5
Kyiv city	727.6	732.7	732.0	729.9	730.7	62.2	62.8	62.5	62.1	62.1

Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Men</b>										
<b>Ukraine</b>	<b>10,753.8</b>	<b>10,864.6</b>	<b>10,492.6</b>	<b>9,533.3</b>	<b>9,475.7</b>	<b>69.4</b>	<b>71.4</b>	<b>69.3</b>	<b>69.2</b>	<b>69.1</b>
Vinnitsya	398.2	399.9	389.5	393.9	383.5	69.9	71.2	69.7	70.7	69.2
Volyn	246.4	247.7	231.0	232.2	233.7	68.8	68.9	64.1	64.4	64.8
Dnipropetrovsk	845.5	858.9	830.8	814.5	796.9	71.2	74.5	72.6	71.6	70.6
Donetsk	1,096.0	1,081.5	1,023.7	467.5	462.7	69.5	71.0	67.9	65.9	65.6
Zhytomyr	316.6	313.8	305.5	295.8	292.8	70.5	71.0	69.5	67.6	67.4
Zakarpattia	310.6	314.2	305.8	311.7	316.9	69.5	70.0	68.1	69.5	70.7
Zaporizhia	454.3	459.4	431.3	432.5	429.4	70.3	73.2	69.3	69.9	69.9
Ivano-Frankivsk	301.7	331.1	334.3	339.3	338.2	61.7	67.4	68.0	68.9	68.7
Kyiv	429.3	427.5	417.3	416.4	413.6	70.3	70.7	69.0	69.0	68.7
Kirovohrad	239.2	246.3	229.3	230.5	226.1	67.4	71.8	67.5	68.3	67.5
Luhansk	558.8	563.5	522.5	186.6	181.4	67.1	70.2	65.6	69.8	71.1
Lviv	619.8	627.0	614.7	615.1	614.4	67.6	68.8	67.4	67.5	67.6
Mykolaiv	305.1	305.5	296.3	292.5	294.1	71.5	73.5	71.8	71.1	71.9
Odesa	595.4	615.6	611.4	606.2	598.4	68.9	72.2	71.9	71.5	70.9
Poltava	366.7	366.0	357.5	348.3	345.8	69.2	71.0	69.8	68.4	68.2
Rivne	273.0	281.1	278.8	276.4	284.0	68.1	70.0	69.3	68.6	70.4
Sumy	280.7	276.0	276.8	271.2	267.8	67.3	68.1	68.9	67.9	67.4
Ternopil	248.5	253.4	244.7	238.2	233.5	65.4	66.9	64.7	63.0	61.9
Kharkiv	720.2	715.9	713.6	707.2	689.9	71.7	72.4	72.3	71.7	70.2
Kherson	285.0	285.1	271.8	263.9	272.9	72.7	74.6	71.7	70.0	72.8
Khmelnitsk	326.6	326.1	296.4	292.1	302.0	69.9	71.0	64.9	64.2	66.7
Cherkasy	313.2	320.8	305.5	305.6	300.7	69.1	72.6	69.7	70.0	69.3
Chernivtsi	215.5	236.1	221.2	212.8	222.6	67.9	74.0	69.2	66.5	69.5
Chernihiv	261.4	254.3	248.1	252.4	243.5	68.4	68.6	67.5	69.2	67.2
Kyiv city	746.1	757.9	734.8	730.5	730.9	73.6	75.0	72.5	72.0	72.0

**Table 5.8. continued**

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Urban settlements</b>										
<b>Ukraine</b>	<b>14,311.0</b>	<b>14,312.9</b>	<b>14,070.3</b>	<b>12,430.4</b>	<b>12,306.4</b>	<b>62.0</b>	<b>63.4</b>	<b>62.6</b>	<b>63.1</b>	<b>62.8</b>
Vinnitsia	368.1	365.3	379.8	392.1	384.9	58.8	58.9	61.5	63.7	62.9
Volyn	227.4	232.9	243.5	237.4	235.7	56.4	57.6	60.1	58.5	58.2
Dnipropetrovsk	1,399.7	1,393.0	1,375.0	1,367.1	1,329.2	65.0	67.1	66.7	66.7	65.4
Donetsk	1,959.4	1,923.4	1,790.3	734.5	732.7	63.4	64.8	60.9	57.5	57.7
Zhytomyr	334.1	338.9	344.2	345.9	338.7	58.9	60.6	61.7	62.3	61.5
Zakarpattia	238.3	246.7	237.9	231.6	227.9	68.6	71.5	69.1	67.4	66.6
Zaporizhia	673.2	674.4	660.4	645.1	636.5	62.3	64.6	63.8	62.7	62.2
Ivano-Frankivsk	253.4	259.9	262.6	280.5	285.7	55.7	57.2	57.8	61.6	62.7
Kyiv	511.1	498.1	524.4	524.5	516.4	62.7	61.4	64.6	64.6	63.6
Kirovohrad	301.0	297.8	287.4	290.0	284.5	62.7	63.9	62.1	63.1	62.5
Luhansk	925.8	910.8	848.6	240.0	239.8	59.8	61.4	57.7	59.2	61.9
Lviv	714.0	727.9	723.2	731.9	723.9	60.6	62.5	62.2	63.0	62.5
Mykolaiv	385.5	388.9	372.1	375.4	374.2	61.6	64.0	61.6	62.3	62.4
Odesa	747.3	746.1	739.8	735.4	723.2	60.7	61.7	61.4	61.3	60.7
Poltava	440.8	425.9	425.0	426.6	418.1	62.7	62.2	62.4	62.9	61.9
Rivne	242.4	243.4	246.5	253.0	249.9	57.4	57.9	58.7	60.4	60.0
Sumy	399.5	369.3	358.3	358.5	357.4	65.1	61.8	60.2	60.5	60.6
Ternopil	212.5	216.7	225.9	243.1	246.3	58.1	59.6	62.2	67.0	68.2
Kharkiv	1,087.6	1,092.5	1,092.1	1,093.5	1,081.8	62.9	64.5	64.6	64.7	64.2
Kherson	295.2	293.0	290.2	291.7	293.8	57.5	59.1	59.0	59.6	60.4
Khmelnitsk	332.6	352.6	342.4	338.1	329.5	59.0	63.0	61.3	60.6	59.3
Cherkasy	349.4	350.9	346.1	346.0	348.1	62.2	64.0	63.5	63.7	64.6
Chernivtsi	115.5	148.4	167.1	169.2	165.9	39.5	50.2	56.2	56.7	55.5
Chernihiv	323.5	325.5	320.7	318.9	320.7	60.7	62.4	61.8	61.7	62.4
Kyiv city	1,473.7	1,490.6	1,466.8	1,460.4	1,461.6	67.5	68.4	67.1	66.7	66.7

**Table 5.8. continued**

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Rural areas</b>										
<b>Ukraine</b>	<b>6,583.1</b>	<b>6,511.7</b>	<b>5,850.6</b>	<b>5,667.5</b>	<b>5,648.7</b>	<b>67.5</b>	<b>68.4</b>	<b>61.8</b>	<b>60.8</b>	<b>60.9</b>
Vinnitsia	403.1	403.7	359.4	349.1	344.9	69.3	71.9	64.5	63.0	62.6
Volyn	246.7	250.7	211.9	203.0	196.1	72.1	73.3	61.9	59.2	57.0
Dnipropetrovsk	259.9	244.8	226.7	227.8	217.9	64.6	63.1	58.9	59.5	57.2
Donetsk	207.2	210.3	178.5	143.2	138.6	66.4	70.5	60.7	62.9	61.7
Zhytomyr	287.0	270.2	237.2	225.3	232.6	76.5	74.4	65.9	62.9	65.2
Zakarpattia	343.9	340.1	336.6	340.2	333.9	59.8	58.8	58.1	58.6	57.5
Zaporizhia	219.4	205.2	184.4	180.4	179.8	71.1	69.4	62.8	61.8	62.0
Ivano-Frankivsk	324.4	346.6	333.3	329.0	324.7	58.0	61.8	59.3	58.4	57.8
Kyiv	306.5	309.7	262.5	266.1	273.4	64.1	66.9	56.9	57.6	59.0
Kirovohrad	172.5	173.2	152.9	146.6	144.3	62.1	65.7	58.9	57.1	56.7
Luhansk	168.3	167.2	141.7	122.7	115.7	73.3	76.6	65.6	79.0	77.4
Lviv	476.0	461.1	412.2	402.8	411.0	66.7	64.7	57.8	56.4	57.6
Mykolaiv	200.6	188.2	179.5	182.8	177.2	70.9	68.7	66.2	67.9	66.4
Odesa	365.2	377.9	342.1	350.9	349.9	62.5	65.6	59.5	61.1	61.0
Poltava	273.2	280.1	256.2	237.7	234.9	64.5	69.0	63.9	59.7	59.4
Rivne	289.6	302.9	286.2	288.4	280.6	70.8	73.8	69.5	69.6	67.3
Sumy	156.7	189.4	173.7	164.8	169.9	57.3	72.7	67.8	64.9	67.3
Ternopil	269.6	272.4	243.2	217.2	214.1	62.8	64.1	57.3	51.3	50.6
Kharkiv	277.6	278.1	236.7	230.7	239.4	68.2	71.1	61.0	59.6	62.1
Kherson	239.7	231.6	209.6	204.9	203.1	75.6	74.9	68.3	67.0	66.7
Khmelnysk	302.9	271.0	233.5	219.0	233.6	72.5	67.5	58.9	55.7	59.8
Cherkasy	277.9	266.4	238.2	234.2	229.2	68.7	68.3	61.7	61.1	60.1
Chernivtsi	302.5	274.6	240.3	235.7	245.9	80.8	73.8	64.7	63.5	66.4
Chernihiv	212.7	196.3	174.1	165.0	158.0	76.6	75.6	68.2	65.4	63.1
Kyiv city	6	6	6	6	6	6	6	6	6	6

**5.9. Employed population, by sex, place of residence and region**

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Total</b>										
<b>Ukraine</b>	<b>19,180.2</b>	<b>19,314.2</b>	<b>18,073.3</b>	<b>16,443.2</b>	<b>16,276.9</b>	<b>58.4</b>	<b>60.2</b>	<b>56.6</b>	<b>56.7</b>	<b>56.3</b>
Vinnitsia	694.3	704.6	661.6	674.9	658.8	57.5	59.6	56.3	57.7	56.6
Volyn	433.6	445.7	410.5	397.3	382.1	58.2	59.7	54.9	53.1	51.0
Dnipropetrovsk	1,541.9	1,531.0	1,472.8	1,479.6	1,425.4	60.3	62.1	60.2	60.9	59.1
Donetsk	1,983.7	1,968.1	1,752.4	756.3	748.4	58.3	60.3	54.2	50.3	50.0
Zhytomyr	560.3	552.3	514.8	506.6	507.6	59.5	59.9	56.1	55.5	55.9
Zakarpattia	531.8	541.2	521.4	519.3	505.5	57.7	58.6	56.4	56.2	54.8
Zaporizhia	825.7	821.9	773.5	745.1	734.9	59.5	61.3	58.2	56.4	56.0
Ivano-Frankivsk	530.3	562.7	547.8	558.3	556.9	52.3	55.4	53.9	54.8	54.7
Kyiv	757.9	758.4	724.3	739.9	736.3	58.6	59.5	56.9	58.1	57.8
Kirovohrad	431.2	434.0	391.1	386.8	375.7	56.9	59.5	54.2	54.0	52.9
Luhansk	1,015.4	1,011.7	877.6	306.3	298.5	57.1	59.4	52.0	54.6	55.6
Lviv	1,096.7	1,104.7	1,038.2	1,042.0	1,047.0	58.0	58.8	55.3	55.5	55.9
Mykolaiv	536.7	534.5	501.5	508.7	498.1	59.1	60.6	57.3	58.4	57.5
Odesa	1,044.5	1,064.5	1,009.4	1,016.2	1,000.6	57.5	59.6	56.7	57.3	56.7
Poltava	644.8	648.3	602.9	583.6	570.4	57.3	59.4	55.7	54.2	53.3
Rivne	471.2	494.9	476.0	487.7	474.2	56.7	59.6	57.2	58.5	56.9
Sumy	497.0	515.9	481.4	470.5	478.5	56.0	60.1	56.6	55.6	56.8
Ternopil	431.3	442.9	416.0	406.2	407.6	54.2	56.2	52.9	51.6	52.0
Kharkiv	1,267.3	1,282.8	1,225.3	1,230.8	1,236.6	59.3	61.5	59.0	59.3	59.7
Kherson	488.8	480.2	450.2	445.8	441.0	58.9	59.6	56.4	56.1	55.8
Khmelnitsk	580.6	573.7	521.9	500.5	510.1	59.1	59.7	54.7	52.6	53.9
Cherkasy	564.9	562.1	524.5	523.5	517.5	58.4	59.9	56.3	56.5	56.2
Chernivtsi	382.4	391.6	370.6	367.2	376.1	57.4	58.7	55.5	54.9	56.2
Chernihiv	480.1	473.4	439.5	432.3	424.8	59.2	60.6	56.8	56.2	55.6
Kyiv city	1,387.8	1,413.1	1,368.1	1,357.8	1,364.3	63.6	64.9	62.6	62.0	62.3

Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Women</b>										
<b>Ukraine</b>	<b>9,442.0</b>	<b>9,329.5</b>	<b>8,718.9</b>	<b>7,872.4</b>	<b>7,827.4</b>	<b>54.4</b>	<b>55.3</b>	<b>51.9</b>	<b>51.7</b>	<b>51.6</b>
Vinnitsia	343.9	342.1	319.5	315.0	312.8	53.9	55.2	51.9	51.4	51.4
Volyn	214.4	220.1	206.1	190.2	182.7	55.3	56.9	53.3	49.0	47.0
Dnipropetrovsk	759.1	740.2	722.5	735.5	705.2	55.5	56.4	55.5	56.8	54.9
Donetsk	984.3	968.6	862.3	354.2	362.3	54.0	55.6	49.9	44.6	45.8
Zhytomyr	285.2	267.4	251.4	250.5	248.7	57.8	55.6	52.6	52.6	52.6
Zakarpattia	255.0	263.5	249.7	243.7	223.3	53.7	55.5	52.6	51.3	47.1
Zaporizhia	411.5	405.9	382.7	356.9	353.7	55.4	56.9	54.2	50.8	50.7
Ivano-Frankivsk	258.2	251.3	240.4	248.1	248.2	49.2	48.0	45.8	47.2	47.2
Kyiv	367.4	360.9	340.9	352.3	354.4	53.9	53.9	51.0	52.5	52.7
Kirovohrad	216.4	208.3	186.7	186.1	182.0	53.6	53.8	48.8	49.1	48.5
Luhansk	494.7	490.4	423.9	151.6	151.3	52.4	54.6	47.6	51.6	53.7
Lviv	532.0	530.4	490.0	482.9	486.6	54.5	54.9	50.8	50.0	50.5
Mykolaiv	262.9	249.5	240.9	245.5	237.3	54.5	53.5	52.1	53.3	51.9
Odesa	493.6	494.6	447.5	461.7	457.1	51.8	53.0	48.2	49.9	49.6
Poltava	319.9	312.4	290.2	278.7	275.0	53.7	54.3	50.9	49.2	48.8
Rivne	235.0	241.8	234.1	241.8	233.1	54.6	56.4	54.5	56.2	54.2
Sumy	251.8	258.2	232.2	227.6	236.2	53.5	57.0	51.7	50.9	53.1
Ternopil	216.3	220.2	210.6	201.4	210.9	52.1	53.7	51.5	49.3	51.8
Kharkiv	604.8	607.9	581.0	574.5	595.6	53.4	55.4	53.2	52.7	54.8
Kherson	225.6	224.6	206.1	210.8	207.0	51.5	53.1	49.1	50.5	49.8
Khmelnysk	289.3	279.2	257.3	242.6	238.5	56.2	55.7	51.7	48.9	48.3
Cherkasy	289.1	277.2	257.1	258.3	252.1	56.3	55.8	52.2	52.8	51.9
Chernivtsi	190.1	174.0	178.4	167.5	171.7	54.4	49.9	51.2	48.0	49.2
Chernihiv	250.7	240.4	222.1	214.8	212.3	58.5	58.6	54.6	53.1	52.8
Kyiv city	690.8	700.4	685.3	680.2	689.4	59.1	60.0	58.5	57.9	58.6

**Table 5.9. continued**

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Men</b>										
<b>Ukraine</b>	<b>9,738.2</b>	<b>9,984.7</b>	<b>9,354.4</b>	<b>8,570.8</b>	<b>8,449.5</b>	<b>62.9</b>	<b>65.6</b>	<b>61.8</b>	<b>62.2</b>	<b>61.6</b>
Vinnysia	350.4	362.5	342.1	359.9	346.0	61.5	64.6	61.2	64.6	62.4
Volyn	219.2	225.6	204.4	207.1	199.4	61.2	62.8	56.7	57.4	55.3
Dnipropetrovsk	782.8	790.8	750.3	744.1	720.2	65.9	68.6	65.6	65.4	63.8
Donetsk	999.4	999.5	890.1	402.1	386.1	63.3	65.7	59.0	56.6	54.8
Zhytomyr	275.1	284.9	263.4	256.1	258.9	61.3	64.5	59.9	58.6	59.6
Zakarpattia	276.8	277.7	271.7	275.6	282.2	61.9	61.9	60.5	61.4	62.9
Zaporizhia	414.2	416.0	390.8	388.2	381.2	64.1	66.3	62.8	62.8	62.0
Ivano-Frankivsk	272.1	311.4	307.4	310.2	308.7	55.6	63.4	62.5	63.0	62.7
Kyiv	390.5	397.5	383.4	387.6	381.9	63.9	65.7	63.4	64.2	63.4
Kirovohrad	214.8	225.7	204.4	200.7	193.7	60.6	65.8	60.2	59.5	57.8
Luhansk	520.7	521.3	453.7	154.7	147.2	62.6	64.9	57.0	57.9	57.7
Lviv	564.7	574.3	548.2	559.1	560.4	61.6	63.0	60.1	61.4	61.7
Mykolaiv	273.8	285.0	260.6	263.2	260.8	64.2	68.6	63.1	64.0	63.7
Odesa	550.9	569.9	561.9	554.5	543.5	63.8	66.9	66.1	65.4	64.4
Poltava	324.9	335.9	312.7	304.9	295.4	61.3	65.1	61.1	59.9	58.3
Rivne	236.2	253.1	241.9	245.9	241.1	58.9	63.0	60.1	61.0	59.8
Sumy	245.2	257.7	249.2	242.9	242.3	58.8	63.6	62.0	60.8	61.0
Ternopil	215.0	222.7	205.4	204.8	196.7	56.6	58.8	54.3	54.2	52.2
Kharkiv	662.5	674.9	644.3	656.3	641.0	65.9	68.3	65.3	66.6	65.2
Kherson	263.2	255.6	244.1	235.0	234.0	67.1	66.9	64.4	62.3	62.4
Khmelnysk	291.3	294.5	264.6	257.9	271.6	62.3	64.1	57.9	56.7	60.0
Cherkasy	275.8	284.9	267.4	265.2	265.4	60.9	64.5	61.0	60.7	61.2
Chernivtsi	192.3	217.6	192.2	199.7	204.4	60.6	68.2	60.1	62.4	63.8
Chernihiv	229.4	233.0	217.4	217.5	212.5	60.0	62.8	59.1	59.6	58.7
Kyiv city	697.0	712.7	682.8	677.6	674.9	68.8	70.5	67.4	66.8	66.5

**Table 5.9. continued**

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Urban settlements</b>										
<b>Ukraine</b>	<b>13,072.2</b>	<b>13,280.7</b>	<b>12,780.9</b>	<b>11,309.0</b>	<b>11,178.5</b>	<b>56.6</b>	<b>58.8</b>	<b>56.9</b>	<b>57.4</b>	<b>57.0</b>
Vinnysia	329.6	330.4	335.2	353.6	345.1	52.6	53.3	54.3	57.5	56.4
Volyn	210.5	218.3	224.6	220.4	214.1	52.2	54.0	55.5	54.3	52.9
Dnipropetrovsk	1,300.1	1,303.9	1,266.1	1,270.3	1,228.1	60.4	62.8	61.5	62.0	60.4
Donetsk	1,795.8	1,783.4	1,603.4	644.6	640.3	58.1	60.1	54.5	50.5	50.4
Zhytomyr	296.8	306.5	302.6	304.4	303.7	52.3	54.8	54.3	54.9	55.1
Zakarpattia	214.7	224.0	210.7	208.2	205.3	61.8	64.9	61.2	60.6	60.0
Zaporizhia	617.2	630.6	604.4	581.9	573.0	57.1	60.4	58.4	56.5	56.0
Ivano-Frankivsk	224.0	235.9	234.7	252.1	255.7	49.3	51.9	51.6	55.3	56.1
Kyiv	465.6	468.5	483.7	487.3	479.9	57.1	57.8	59.6	60.0	59.1
Kirovohrad	273.4	276.1	254.2	259.7	248.8	56.9	59.2	54.9	56.5	54.6
Luhansk	855.9	854.5	756.2	197.9	195.4	55.3	57.6	51.4	48.8	50.4
Lviv	644.3	666.1	660.9	670.1	665.3	54.7	57.2	56.8	57.7	57.5
Mykolaiv	347.1	361.6	337.6	341.2	338.2	55.5	59.5	55.9	56.6	56.4
Odesa	697.4	703.3	688.7	684.4	675.9	56.6	58.2	57.2	57.0	56.7
Poltava	396.6	400.4	385.0	383.2	369.5	56.4	58.5	56.5	56.5	54.7
Rivne	207.0	216.6	219.3	227.6	223.6	49.0	51.5	52.3	54.3	53.7
Sumy	354.5	338.4	322.1	319.6	322.4	57.7	56.6	54.2	53.9	54.7
Ternopil	181.0	189.8	196.5	212.5	220.8	49.5	52.2	54.1	58.6	61.1
Kharkiv	1,013.9	1,027.1	1,016.8	1,021.6	1,013.6	58.6	60.6	60.2	60.5	60.2
Kherson	259.7	261.2	256.2	254.8	253.5	50.6	52.7	52.1	52.1	52.1
Khmelnysk	310.7	327.5	314.3	311.1	306.4	55.1	58.5	56.3	55.8	55.1
Cherkasy	298.1	310.4	303.4	308.4	309.0	53.0	56.6	55.7	56.8	57.4
Chernivtsi	105.4	137.6	151.2	151.6	144.6	36.1	46.5	50.9	50.8	48.4
Chernihiv	285.1	295.5	285.0	284.7	282.0	53.5	56.7	54.9	55.1	54.9
Kyiv city	1,387.8	1,413.1	1,368.1	1,357.8	1,364.3	63.6	64.9	62.6	62.0	62.3



Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Rural areas</b>										
<b>Ukraine</b>	<b>6,108.0</b>	<b>6,033.5</b>	<b>5,292.4</b>	<b>5,134.2</b>	<b>5,098.4</b>	<b>62.6</b>	<b>63.4</b>	<b>55.9</b>	<b>55.1</b>	<b>54.9</b>
Vinnytsia	364.7	374.2	326.4	321.3	313.7	62.7	66.6	58.6	58.0	57.0
Volyn	223.1	227.4	185.9	176.9	168.0	65.2	66.5	54.3	51.6	48.9
Dnipropetrovsk	241.8	227.1	206.7	209.3	197.3	60.1	58.5	53.7	54.7	51.8
Donetsk	187.9	184.7	149.0	111.7	108.1	60.2	62.0	50.7	49.1	48.2
Zhytomyr	263.5	245.8	212.2	202.2	203.9	70.3	67.7	58.9	56.4	57.1
Zakarpattia	317.1	317.2	310.7	311.1	300.2	55.1	54.8	53.6	53.6	51.7
Zaporizhia	208.5	191.3	169.1	163.2	161.9	67.6	64.7	57.6	55.9	55.8
Ivano-Frankivsk	306.3	326.8	313.1	306.2	301.2	54.7	58.3	55.7	54.4	53.6
Kyiv	292.3	289.9	240.6	252.6	256.4	61.1	62.6	52.1	54.7	55.4
Kirovohrad	157.8	157.9	136.9	127.1	126.9	56.8	59.9	52.8	49.5	49.8
Luhansk	159.5	157.2	121.4	108.4	103.1	69.4	72.0	56.2	69.8	69.0
Lviv	452.4	438.6	377.3	371.9	381.7	63.4	61.6	52.9	52.1	53.5
Mykolaiv	189.6	172.9	163.9	167.5	159.9	67.0	63.1	60.4	62.2	60.0
Odesa	347.1	361.2	320.7	331.8	324.7	59.4	62.7	55.8	57.8	56.6
Poltava	248.2	247.9	217.9	200.4	200.9	58.6	61.1	54.3	50.4	50.8
Rivne	264.2	278.3	256.7	260.1	250.6	64.6	67.8	62.3	62.8	60.1
Sumy	142.5	177.5	159.3	150.9	156.1	52.1	68.2	62.2	59.4	61.8
Ternopil	250.3	253.1	219.5	193.7	186.8	58.3	59.5	51.8	45.7	44.2
Kharkiv	253.4	255.7	208.5	209.2	223.0	62.2	65.3	53.7	54.1	57.8
Kherson	229.1	219.0	194.0	191.0	187.5	72.3	70.9	63.2	62.4	61.5
Khmelnysk	269.9	246.2	207.6	189.4	203.7	64.6	61.4	52.4	48.1	52.2
Cherkasy	266.8	251.7	221.1	215.1	208.5	65.9	64.5	57.3	56.1	54.7
Chernivtsi	277.0	254.0	219.4	215.6	231.5	74.0	68.3	59.1	58.1	62.5
Chernihiv	195.0	177.9	154.5	147.6	142.8	70.2	68.5	60.5	58.5	57.0
Kyiv city	6	6	6	6	6	6	6	6	6	6

**5.10. Unemployed population, by sex, place of residence and region**

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Total</b>										
<b>Ukraine</b>	<b>1,713.9</b>	<b>1,510.4</b>	<b>1,847.6</b>	<b>1,654.7</b>	<b>1,678.2</b>	<b>8.2</b>	<b>7.3</b>	<b>9.3</b>	<b>9.1</b>	<b>9.3</b>
Vinnitsia	76.9	64.4	77.6	66.3	71.0	10.0	8.4	10.5	8.9	9.7
Volyn	40.5	37.9	44.9	43.1	49.7	8.5	7.8	9.9	9.8	11.5
Dnipropetrovsk	117.7	106.8	128.9	115.3	121.7	7.1	6.5	8.0	7.2	7.9
Donetsk	182.9	165.6	216.4	121.4	122.9	8.4	7.8	11.0	13.8	14.1
Zhytomyr	60.8	56.8	66.6	64.6	63.7	9.8	9.3	11.5	11.3	11.2
Zakarpattia	50.4	45.6	53.1	52.5	56.3	8.7	7.8	9.2	9.2	10.0
Zaporizhia	66.9	57.7	71.3	80.4	81.4	7.5	6.6	8.4	9.7	10.0
Ivano-Frankivsk	47.5	43.8	48.1	51.2	53.5	8.2	7.2	8.1	8.4	8.8
Kyiv	59.7	49.4	62.6	50.7	53.5	7.3	6.1	8.0	6.4	6.8
Kirovohrad	42.3	37.0	49.2	49.8	53.1	8.9	7.9	11.2	11.4	12.4
Luhansk	78.7	66.3	112.7	56.4	57.0	7.2	6.2	11.4	15.6	16.0
Lviv	93.3	84.3	97.2	92.7	87.9	7.8	7.1	8.6	8.2	7.7
Mykolaiv	49.4	42.6	50.1	49.5	53.3	8.4	7.4	9.1	8.9	9.7
Odesa	68.0	59.5	72.5	70.1	72.5	6.1	5.3	6.7	6.5	6.8
Poltava	69.2	57.7	78.3	80.7	82.6	9.7	8.2	11.5	12.1	12.6
Rivne	60.8	51.4	56.7	53.7	56.3	11.4	9.4	10.6	9.9	10.6
Sumy	59.2	42.8	50.6	52.8	48.8	10.6	7.7	9.5	10.1	9.3
Ternopil	50.8	46.2	53.1	54.1	52.8	10.5	9.4	11.3	11.8	11.5
Kharkiv	97.9	87.8	103.5	93.4	84.6	7.2	6.4	7.8	7.1	6.4
Kherson	46.1	44.4	49.6	50.8	55.9	8.6	8.5	9.9	10.2	11.2
Khmelnysk	54.9	49.9	54.0	56.6	53.0	8.6	8.0	9.4	10.2	9.4
Cherkasy	62.4	55.2	59.8	56.7	59.8	9.9	8.9	10.2	9.8	10.4
Chernivtsi	35.6	31.4	36.8	37.7	35.7	8.5	7.4	9.0	9.3	8.7
Chernihiv	56.1	48.4	55.3	51.6	53.9	10.5	9.3	11.2	10.7	11.3
Kyiv city	85.9	77.5	98.7	102.6	97.3	5.8	5.2	6.7	7.0	6.7

Table 5.10. continued

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Women</b>										
<b>Ukraine</b>	<b>698.3</b>	<b>630.5</b>	<b>709.4</b>	<b>692.2</b>	<b>652.0</b>	<b>6.9</b>	<b>6.3</b>	<b>7.5</b>	<b>8.1</b>	<b>7.7</b>
Vinnitsia	29.1	27.0	30.2	32.3	33.5	7.8	7.3	8.6	9.3	9.7
Volyn	13.3	15.8	18.3	18.0	15.4	5.8	6.7	8.2	8.6	7.8
Dnipropetrovsk	55.0	38.7	48.4	44.9	45.0	6.8	5.0	6.3	5.8	6.0
Donetsk	86.3	83.6	82.8	56.0	46.3	8.1	7.9	8.8	13.7	11.3
Zhytomyr	19.3	27.9	24.5	24.9	29.8	6.3	9.4	8.9	9.0	10.7
Zakarpattia	16.6	9.1	19.0	16.4	21.6	6.1	3.3	7.1	6.3	8.8
Zaporizhia	26.8	14.3	30.8	36.1	33.2	6.1	3.4	7.4	9.2	8.6
Ivano-Frankivsk	17.9	24.1	21.2	22.1	24.0	6.5	8.8	8.1	8.2	8.8
Kyiv	20.9	19.4	28.7	21.9	21.8	5.4	5.1	7.8	5.9	5.8
Kirovohrad	17.9	16.4	24.3	20.0	20.7	7.6	7.3	11.5	9.7	10.2
Luhansk	40.6	24.1	43.9	24.5	22.8	7.6	4.7	9.4	13.9	13.1
Lviv	38.2	31.6	30.7	36.7	33.9	6.7	5.6	5.9	7.1	6.5
Mykolaiv	18.1	22.1	14.4	20.2	20.0	6.4	8.1	5.6	7.6	7.8
Odesa	23.5	13.8	23.0	18.4	17.6	4.5	2.7	4.9	3.8	3.7
Poltava	27.4	27.6	33.5	37.3	32.2	7.9	8.1	10.3	11.8	10.5
Rivne	24.0	23.4	19.8	23.2	13.4	9.3	8.8	7.8	8.8	5.4
Sumy	23.7	24.5	23.0	24.5	23.3	8.6	8.7	9.0	9.7	9.0
Ternopil	17.3	15.5	13.8	20.7	16.0	7.4	6.6	6.1	9.3	7.1
Kharkiv	40.2	46.8	34.2	42.5	35.7	6.2	7.1	5.6	6.9	5.7
Kherson	24.3	14.9	21.9	21.9	17.0	9.7	6.2	9.6	9.4	7.6
Khmelnysk	19.6	18.3	22.2	22.4	22.6	6.3	6.2	7.9	8.5	8.7
Cherkasy	25.0	19.3	21.7	16.3	24.5	8.0	6.5	7.8	5.9	8.9
Chernivtsi	12.4	12.9	7.8	24.6	17.5	6.1	6.9	4.2	12.8	9.2
Chernihiv	24.1	27.1	24.6	16.7	22.9	8.8	10.1	10.0	7.2	9.7
Kyiv city	36.8	32.3	46.7	49.7	41.3	5.1	4.4	6.4	6.8	5.7

**Table 5.10. continued**

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Men</b>										
<b>Ukraine</b>	<b>1,015.6</b>	<b>879.9</b>	<b>1,138.2</b>	<b>962.5</b>	<b>1,026.2</b>	<b>9.4</b>	<b>8.1</b>	<b>10.8</b>	<b>10.1</b>	<b>10.8</b>
Vinnitsia	47.8	37.4	47.4	34.0	37.5	12.0	9.4	12.2	8.6	9.8
Volyn	27.2	22.1	26.6	25.1	34.3	11.0	8.9	11.5	10.8	14.7
Dnipropetrovsk	62.7	68.1	80.5	70.4	76.7	7.4	7.9	9.7	8.6	9.6
Donetsk	96.6	82.0	133.6	65.4	76.6	8.8	7.6	13.1	14.0	16.6
Zhytomyr	41.5	28.9	42.1	39.7	33.9	13.1	9.2	13.8	13.4	11.6
Zakarpattia	33.8	36.5	34.1	36.1	34.7	10.9	11.6	11.2	11.6	10.9
Zaporizhia	40.1	43.4	40.5	44.3	48.2	8.8	9.4	9.4	10.2	11.2
Ivano-Frankivsk	29.6	19.7	26.9	29.1	29.5	9.8	5.9	8.0	8.6	8.7
Kyiv	38.8	30.0	33.9	28.8	31.7	9.0	7.0	8.1	6.9	7.7
Kirovohrad	24.4	20.6	24.9	29.8	32.4	10.2	8.4	10.9	12.9	14.3
Luhansk	38.1	42.2	68.8	31.9	34.2	6.8	7.5	13.2	17.1	18.9
Lviv	55.1	52.7	66.5	56.0	54.0	8.9	8.4	10.8	9.1	8.8
Mykolaiv	31.3	20.5	35.7	29.3	33.3	10.3	6.7	12.0	10.0	11.3
Odesa	44.5	45.7	49.5	51.7	54.9	7.5	7.4	8.1	8.5	9.2
Poltava	41.8	30.1	44.8	43.4	50.4	11.4	8.2	12.5	12.5	14.6
Rivne	36.8	28.0	36.9	30.5	42.9	13.5	10.0	13.2	11.0	15.1
Sumy	35.5	18.3	27.6	28.3	25.5	12.6	6.6	10.0	10.4	9.5
Ternopil	33.5	30.7	39.3	33.4	36.8	13.5	12.1	16.1	14.0	15.8
Kharkiv	57.7	41.0	69.3	50.9	48.9	8.0	5.7	9.7	7.2	7.1
Kherson	21.8	29.5	27.7	28.9	38.9	7.6	10.3	10.2	11.0	14.3
Khmelnytsk	35.3	31.6	31.8	34.2	30.4	10.8	9.7	10.7	11.7	10.1
Cherkasy	37.4	35.9	38.1	40.4	35.3	11.9	11.2	12.5	13.2	11.7
Chernivtsi	23.2	18.5	29.0	13.1	18.2	10.8	7.8	13.1	6.2	8.2
Chernihiv	32.0	21.3	30.7	34.9	31.0	12.2	8.4	12.4	13.8	12.7
Kyiv city	49.1	45.2	52.0	52.9	56.0	6.6	6.0	7.1	7.2	7.7

**Table 5.10. continued**

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Urban settlements</b>										
<b>Ukraine</b>	<b>1,238.8</b>	<b>1,032.2</b>	<b>1,289.4</b>	<b>1,121.4</b>	<b>1,127.9</b>	<b>8.7</b>	<b>7.2</b>	<b>9.2</b>	<b>9.0</b>	<b>9.2</b>
Vinnitsya	38.5	34.9	44.6	38.5	39.8	10.5	9.6	11.7	9.8	10.3
Volyn	16.9	14.6	18.9	17.0	21.6	7.4	6.3	7.8	7.2	9.2
Dnipropetrovsk	99.6	89.1	108.9	96.8	101.1	7.1	6.4	7.9	7.1	7.6
Donetsk	163.6	140.0	186.9	89.9	92.4	8.3	7.3	10.4	12.2	12.6
Zhytomyr	37.3	32.4	41.6	41.5	35.0	11.2	9.6	12.1	12.0	10.3
Zakarpattia	23.6	22.7	27.2	23.4	22.6	9.9	9.2	11.4	10.1	9.9
Zaporizhia	56.0	43.8	56.0	63.2	63.5	8.3	6.5	8.5	9.8	10.0
Ivano-Frankivsk	29.4	24.0	27.9	28.4	30.0	11.6	9.2	10.6	10.1	10.5
Kyiv	45.5	29.6	40.7	37.2	36.5	8.9	5.9	7.8	7.1	7.1
Kirovohrad	27.6	21.7	33.2	30.3	35.7	9.2	7.3	11.6	10.4	12.5
Luhansk	69.9	56.3	92.4	42.1	44.4	7.6	6.2	10.9	17.5	18.5
Lviv	69.7	61.8	62.3	61.8	58.6	9.8	8.5	8.6	8.4	8.1
Mykolaiv	38.4	27.3	34.5	34.2	36.0	10.0	7.0	9.3	9.1	9.6
Odesa	49.9	42.8	51.1	51.0	47.3	6.7	5.7	6.9	6.9	6.5
Poltava	44.2	25.5	40.0	43.4	48.6	10.0	6.0	9.4	10.2	11.6
Rivne	35.4	26.8	27.2	25.4	26.3	14.6	11.0	11.0	10.0	10.5
Sumy	45.0	30.9	36.2	38.9	35.0	11.3	8.4	10.1	10.9	9.8
Ternopil	31.5	26.9	29.4	30.6	25.5	14.8	12.4	13.0	12.6	10.4
Kharkiv	73.7	65.4	75.3	71.9	68.2	6.8	6.0	6.9	6.6	6.3
Kherson	35.5	31.8	34.0	36.9	40.3	12.0	10.9	11.7	12.6	13.7
Khmelnysk	21.9	25.1	28.1	27.0	23.1	6.6	7.1	8.2	8.0	7.0
Cherkasy	51.3	40.5	42.7	37.6	39.1	14.7	11.5	12.3	10.9	11.2
Chernivtsi	10.1	10.8	15.9	17.6	21.3	8.7	7.3	9.5	10.4	12.8
Chernihiv	38.4	30.0	35.7	34.2	38.7	11.9	9.2	11.1	10.7	12.1
Kyiv city	85.9	77.5	98.7	102.6	97.3	5.8	5.2	6.7	7.0	6.7

**Table 5.10. continued**

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Rural areas</b>										
<b>Ukraine</b>	<b>475.1</b>	<b>478.2</b>	<b>558.2</b>	<b>533.3</b>	<b>550.3</b>	<b>7.2</b>	<b>7.3</b>	<b>9.5</b>	<b>9.4</b>	<b>9.7</b>
Vinnitsia	38.4	29.5	33.0	27.8	31.2	9.5	7.3	9.2	8.0	9.0
Volyn	23.6	23.3	26.0	26.1	28.1	9.6	9.3	12.3	12.9	14.3
Dnipropetrovsk	18.1	17.7	20.0	18.5	20.6	7.0	7.2	8.8	8.1	9.5
Donetsk	19.3	25.6	29.5	31.5	30.5	9.3	12.2	16.5	22.0	22.0
Zhytomyr	23.5	24.4	25.0	23.1	28.7	8.2	9.0	10.5	10.3	12.3
Zakarpattia	26.8	22.9	25.9	29.1	33.7	7.8	6.7	7.7	8.6	10.1
Zaporizhia	10.9	13.9	15.3	17.2	17.9	5.0	6.8	8.3	9.5	10.0
Ivano-Frankivsk	18.1	19.8	20.2	22.8	23.5	5.6	5.7	6.1	6.9	7.2
Kyiv	14.2	19.8	21.9	13.5	17.0	4.6	6.4	8.3	5.1	6.2
Kirovohrad	14.7	15.3	16.0	19.5	17.4	8.5	8.8	10.5	13.3	12.1
Luhansk	8.8	10.0	20.3	14.3	12.6	5.2	6.0	14.3	11.7	10.9
Lviv	23.6	22.5	34.9	30.9	29.3	5.0	4.9	8.5	7.7	7.1
Mykolaiv	11.0	15.3	15.6	15.3	17.3	5.5	8.1	8.7	8.4	9.8
Odesa	18.1	16.7	21.4	19.1	25.2	5.0	4.4	6.3	5.4	7.2
Poltava	25.0	32.2	38.3	37.3	34.0	9.2	11.5	14.9	15.7	14.5
Rivne	25.4	24.6	29.5	28.3	30.0	8.8	8.1	10.3	9.8	10.7
Sumy	14.2	11.9	14.4	13.9	13.8	9.1	6.3	8.3	8.4	8.1
Ternopil	19.3	19.3	23.7	23.5	27.3	7.2	7.1	9.7	10.8	12.8
Kharkiv	24.2	22.4	28.2	21.5	16.4	8.7	8.1	11.9	9.3	6.9
Kherson	10.6	12.6	15.6	13.9	15.6	4.4	5.4	7.4	6.8	7.7
Khmelnysk	33.0	24.8	25.9	29.6	29.9	10.9	9.2	11.1	13.5	12.8
Cherkasy	11.1	14.7	17.1	19.1	20.7	4.0	5.5	7.2	8.2	9.0
Chernivtsi	25.5	20.6	20.9	20.1	14.4	8.4	7.5	8.7	8.5	5.9
Chernihiv	17.7	18.4	19.6	17.4	15.2	8.3	9.4	11.3	10.5	9.6
Kyiv city	6	6	6	6	6	6	6	6	6	6

**5.11. Economically inactive population, by sex, place of residence and region**

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Total</b>										
<b>Ukraine</b>	<b>11,945.0</b>	<b>11,270.1</b>	<b>12,023.0</b>	<b>10,925.5</b>	<b>10,934.1</b>	<b>36.4</b>	<b>35.1</b>	<b>37.6</b>	<b>37.6</b>	<b>37.8</b>
Vinnitsia	436.3	412.5	435.1	428.5	433.2	36.1	34.9	37.1	36.6	37.2
Volyn	271.3	262.7	291.8	308.1	317.2	36.4	35.2	39.1	41.2	42.3
Dnipropetrovsk	895.6	826.8	843.4	836.5	866.2	35.1	33.5	34.5	34.4	35.9
Donetsk	1,235.6	1,130.6	1,266.3	627.0	624.1	36.3	34.6	39.1	41.7	41.7
Zhytomyr	321.2	313.7	336.2	342.1	336.2	34.1	34.0	36.6	37.5	37.0
Zakarpattia	340.0	336.7	349.4	352.4	361.1	36.9	36.5	37.8	38.1	39.1
Zaporizhia	495.9	460.7	484.4	495.6	496.3	35.7	34.4	36.4	37.5	37.8
Ivano-Frankivsk	436.4	408.4	420.6	408.9	407.5	43.0	40.2	41.4	40.2	40.0
Kyiv	475.4	466.2	485.8	483.9	485.0	36.8	36.6	38.2	38.0	38.0
Kirovohrad	284.8	259.0	281.9	279.8	281.3	37.6	35.5	39.0	39.1	39.6
Luhansk	683.2	623.8	696.7	198.2	181.6	38.4	36.7	41.3	35.3	33.8
Lviv	702.1	689.0	741.3	741.6	736.6	37.1	36.7	39.5	39.5	39.4
Mykolaiv	322.5	304.8	323.8	313.5	315.4	35.5	34.6	37.0	36.0	36.4
Odesa	703.7	660.9	697.0	687.5	692.1	38.7	37.0	39.2	38.8	39.2
Poltava	411.9	384.6	401.1	411.7	417.4	36.6	35.3	37.1	38.3	39.0
Rivne	299.5	284.6	298.8	291.6	303.0	36.0	34.3	35.9	35.0	36.4
Sumy	331.4	299.6	319.1	323.4	314.8	37.3	34.9	37.5	38.2	37.4
Ternopil	313.0	299.5	318.0	326.4	323.9	39.4	38.0	40.4	41.5	41.3
Kharkiv	771.6	715.3	749.6	752.3	748.8	36.1	34.3	36.1	36.2	36.2
Kherson	295.4	280.5	299.1	298.4	293.9	35.6	34.8	37.4	37.5	37.2
Khmelnysk	346.5	337.6	379.0	394.3	383.0	35.3	35.1	39.7	41.4	40.5
Cherkasy	339.6	321.3	346.6	346.1	342.8	35.1	34.2	37.2	37.4	37.3
Chernivtsi	248.5	244.6	260.9	264.3	257.8	37.3	36.6	39.0	39.5	38.5
Chernihiv	274.2	259.4	279.4	285.1	285.7	33.8	33.2	36.1	37.1	37.4
Kyiv city	709.4	687.3	717.7	728.3	729.2	32.5	31.6	32.9	33.3	33.3

**Table 5.11. continued**

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Women</b>										
<b>Ukraine</b>	<b>7,211.2</b>	<b>6,925.4</b>	<b>7,370.3</b>	<b>6,674.7</b>	<b>6,692.7</b>	<b>41.6</b>	<b>41.0</b>	<b>43.9</b>	<b>43.8</b>	<b>44.1</b>
Vinnycsia	265.0	251.1	265.9	265.3	262.4	41.5	40.5	43.2	43.3	43.1
Volyn	159.8	150.9	162.6	179.8	190.5	41.2	39.0	42.0	46.3	49.0
Dnipropetrovsk	553.3	533.5	530.5	514.1	535.1	40.5	40.7	40.8	39.7	41.6
Donetsk	753.6	689.8	781.6	384.6	381.6	41.3	39.6	45.3	48.4	48.3
Zhytomyr	188.8	185.6	202.0	200.5	194.5	38.3	38.6	42.3	42.1	41.1
Zakarpattya	203.6	202.3	206.3	215.3	229.7	42.8	42.6	43.4	45.3	48.4
Zaporizhia	304.4	292.8	293.2	309.6	311.2	41.0	41.1	41.5	44.1	44.6
Ivano-Frankivsk	249.1	248.6	263.1	255.6	253.4	47.4	47.4	50.1	48.6	48.2
Kyiv	293.8	288.9	298.7	296.4	296.3	43.1	43.2	44.7	44.2	44.1
Kirovohrad	169.3	162.3	171.5	172.9	172.5	41.9	41.9	44.8	45.6	46.0
Luhansk	409.6	384.2	422.6	117.6	107.9	43.3	42.8	47.5	40.0	38.3
Lviv	405.3	404.0	444.4	445.9	442.3	41.5	41.8	46.0	46.2	45.9
Mykolaiv	201.1	194.7	207.2	194.7	200.2	41.7	41.8	44.8	42.3	43.8
Odesa	435.2	424.2	458.3	445.9	447.0	45.7	45.5	49.3	48.2	48.5
Poltava	248.7	234.8	246.4	250.6	256.4	41.7	40.8	43.2	44.2	45.5
Rivne	171.4	163.9	175.4	165.1	183.7	39.8	38.2	40.9	38.4	42.7
Sumy	195.1	170.5	194.1	195.0	185.5	41.5	37.6	43.2	43.6	41.7
Ternopil	181.5	174.4	184.5	186.4	180.3	43.7	42.5	45.1	45.6	44.3
Kharkiv	486.9	442.4	476.8	473.6	456.0	43.0	40.3	43.7	43.4	41.9
Kherson	188.3	183.4	191.6	185.1	191.7	43.0	43.4	45.7	44.3	46.1
Khmelnysk	205.7	204.1	218.6	231.2	232.4	40.0	40.7	43.9	46.6	47.1
Cherkasy	199.8	200.3	213.5	214.9	209.5	38.9	40.3	43.4	43.9	43.1
Chernivtsi	146.7	161.8	162.4	157.0	160.1	42.0	46.4	46.6	45.0	45.8
Chernihiv	153.4	142.8	159.9	172.8	166.9	35.8	34.8	39.3	42.7	41.5
Kyiv city	441.8	434.1	439.2	444.8	445.6	37.8	37.2	37.5	37.9	37.9



**Table 5.11. continued**

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Men</b>										
<b>Ukraine</b>	<b>4,733.8</b>	<b>4,344.7</b>	<b>4,652.7</b>	<b>4,250.8</b>	<b>4,241.4</b>	<b>30.6</b>	<b>28.6</b>	<b>30.7</b>	<b>30.8</b>	<b>30,9</b>
Vinnitsya	171.3	161.4	169.2	163.2	170.8	30.1	28.8	30.3	29.3	30,8
Volyn	111.5	111.8	129.2	128.3	126.7	31.2	31.1	35.9	35.6	35,2
Dnipropetrovsk	342.3	293.3	312.9	322.4	331.1	28.8	25.5	27.4	28.4	29,4
Donetsk	482.0	440.8	484.7	242.4	242.5	30.5	29.0	32.1	34.1	34,4
Zhytomyr	132.4	128.1	134.2	141.6	141.7	29.5	29.0	30.5	32.4	32,6
Zakarpattia	136.4	134.4	143.1	137.1	131.4	30.5	30.0	31.9	30.5	29,3
Zaporizhia	191.5	167.9	191.2	186.0	185.1	29.7	26.8	30.7	30.1	30,1
Ivano-Frankivsk	187.3	159.8	157.5	153.3	154.1	38.3	32.6	32.0	31.1	31,3
Kyiv	181.6	177.3	187.1	187.5	188.7	29.7	29.3	31.0	31.0	31,3
Kirovohrad	115.5	96.7	110.4	106.9	108.8	32.6	28.2	32.5	31.7	32,5
Luhansk	273.6	239.6	274.1	80.6	73.7	32.9	29.8	34.4	30.2	28,9
Lviv	296.8	285.0	296.9	295.7	294.3	32.4	31.3	32.6	32.5	32,4
Mykolaiv	121.4	110.1	116.6	118.8	115.2	28.5	26.5	28.2	28.9	28,1
Odesa	268.5	236.7	238.7	241.6	245.1	31.1	27.8	28.1	28.5	29,1
Poltava	163.2	149.8	154.7	161.1	161.0	30.8	29.0	30.2	31.6	31,8
Rivne	128.1	120.7	123.4	126.5	119.3	31.9	30.0	30.7	31.4	29,6
Sumy	136.3	129.1	125.0	128.4	129.3	32.7	31.9	31.1	32.1	32,6
Ternopil	131.5	125.1	133.5	140.0	143.6	34.6	33.1	35.3	37.0	38,1
Kharkiv	284.7	272.9	272.8	278.7	292.8	28.3	27.6	27.7	28.3	29,8
Kherson	107.1	97.1	107.5	113.3	102.2	27.3	25.4	28.3	30.0	27,2
Khmelnysk	140.8	133.5	160.4	163.1	150.6	30.1	29.0	35.1	35.8	33,3
Cherkasy	139.8	121.0	133.1	131.2	133.3	30.9	27.4	30.3	30.0	30,7
Chernivtsi	101.8	82.8	98.5	107.3	97.7	32.1	26.0	30.8	33.5	30,5
Chernihiv	120.8	116.6	119.5	112.3	118.8	31.6	31.4	32.5	30.8	32,8
Kyiv city	267.6	253.2	278.5	283.5	283.6	26.4	25.0	27.5	28.0	28,0

**Table 5.11. continued**

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Urban settlements</b>										
<b>Ukraine</b>	<b>8,769.9</b>	<b>8,261.2</b>	<b>8,407.1</b>	<b>7,277.8</b>	<b>7,300.4</b>	<b>38.0</b>	<b>36.6</b>	<b>37.4</b>	<b>36.9</b>	<b>37.2</b>
Vinnycsia	258.0	254.7	237.5	223.3	227.5	41.2	41.1	38.5	36.3	37.1
Volyn	175.7	171.3	161.5	168.2	169.4	43.6	42.4	39.9	41.5	41.8
Dnipropetrovsk	753.1	683.4	685.3	681.6	703.4	35.0	32.9	33.3	33.3	34.6
Donetsk	1,130.9	1,042.8	1,150.7	542.7	538.2	36.6	35.2	39.1	42.5	42.3
Zhytomyr	233.2	220.7	213.3	209.0	212.0	41.1	39.4	38.3	37.7	38.5
Zakarpattya	108.9	98.4	106.3	111.8	114.3	31.4	28.5	30.9	32.6	33.4
Zaporizhia	406.8	370.2	375.4	384.3	386.0	37.7	35.4	36.2	37.3	37.8
Ivano-Frankivsk	201.2	194.4	192.1	175.0	170.0	44.3	42.8	42.2	38.4	37.3
Kyiv	303.6	312.8	286.8	288.0	295.2	37.3	38.6	35.4	35.4	36.4
Kirovohrad	179.4	168.6	175.3	169.5	170.9	37.3	36.1	37.9	36.9	37.5
Luhansk	621.8	572.8	622.5	165.6	147.8	40.2	38.6	42.3	40.8	38.1
Lviv	464.0	437.6	440.0	430.3	433.6	39.4	37.5	37.8	37.0	37.5
Mykolaiv	240.1	219.1	232.0	227.2	225.9	38.4	36.0	38.4	37.7	37.6
Odesa	484.2	462.4	464.5	464.5	468.1	39.3	38.3	38.6	38.7	39.3
Poltava	261.8	258.8	256.3	251.5	256.8	37.3	37.8	37.6	37.1	38.1
Rivne	180.0	177.1	173.1	165.8	166.6	42.6	42.1	41.3	39.6	40.0
Sumy	214.5	228.6	236.5	234.3	232.3	34.9	38.2	39.8	39.5	39.4
Ternopil	153.3	146.8	137.1	119.8	115.1	41.9	40.4	37.8	33.0	31.8
Kharkiv	641.9	602.1	598.2	596.2	602.7	37.1	35.5	35.4	35.3	35.8
Kherson	218.2	203.0	201.6	197.4	192.3	42.5	40.9	41.0	40.4	39.6
Khmelnysk	231.4	207.4	216.3	219.8	226.2	41.0	37.0	38.7	39.4	40.7
Cherkasy	212.7	197.7	198.9	197.0	190.6	37.8	36.0	36.5	36.3	35.4
Chernivtsi	176.6	147.2	130.0	129.0	133.1	60.5	49.8	43.8	43.3	44.5
Chernihiv	209.2	196.0	198.2	197.7	193.2	39.3	37.6	38.2	38.3	37.6
Kyiv city	709.4	687.3	717.7	728.3	729.2	32.5	31.6	32.9	33.3	33.3

Table 5.11. continued

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Rural areas</b>										
<b>Ukraine</b>	<b>3,175.1</b>	<b>3,008.9</b>	<b>3,615.9</b>	<b>3,647.7</b>	<b>3,633.7</b>	<b>32.5</b>	<b>31.6</b>	<b>38.2</b>	<b>39.2</b>	<b>39.1</b>
Vinnitsia	178.3	157.8	197.6	205.2	205.7	30.7	28.1	35.5	37.0	37.4
Volyn	95.6	91.4	130.3	139.9	147.8	27.9	26.7	38.1	40.8	43.0
Dnipropetrovsk	142.5	143.4	158.1	154.9	162.8	35.4	36.9	41.1	40.5	42.8
Donetsk	104.7	87.8	115.6	84.3	85.9	33.6	29.5	39.3	37.1	38.3
Zhytomyr	88.0	93.0	122.9	133.1	124.2	23.5	25.6	34.1	37.1	34.8
Zakarpattya	231.1	238.3	243.1	240.6	246.8	40.2	41.2	41.9	41.4	42.5
Zaporizhia	89.1	90.5	109.0	111.3	110.3	28.9	30.6	37.2	38.2	38.0
Ivano-Frankivsk	235.2	214.0	228.5	233.9	237.5	42.0	38.2	40.7	41.6	42.2
Kyiv	171.8	153.4	199.0	195.9	189.8	35.9	33.1	43.1	42.4	41.0
Kirovohrad	105.4	90.4	106.6	110.3	110.4	37.9	34.3	41.1	42.9	43.3
Luhansk	61.4	51.0	74.2	32.6	33.8	26.7	23.4	34.4	21.0	22.6
Lviv	238.1	251.4	301.3	311.3	303.0	33.3	35.3	42.2	43.6	42.4
Mykolaiv	82.4	85.7	91.8	86.3	89.5	29.1	31.3	33.8	32.1	33.6
Odesa	219.5	198.5	232.5	223.0	224.0	37.5	34.4	40.5	38.9	39.0
Poltava	150.1	125.8	144.8	160.2	160.6	35.5	31.0	36.1	40.3	40.6
Rivne	119.5	107.5	125.7	125.8	136.4	29.2	26.2	30.5	30.4	32.7
Sumy	116.9	71.0	82.6	89.1	82.5	42.7	27.3	32.2	35.1	32.7
Ternopil	159.7	152.7	180.9	206.6	208.8	37.2	35.9	42.7	48.7	49.4
Kharkiv	129.7	113.2	151.4	156.1	146.1	31.8	28.9	39.0	40.4	37.9
Kherson	77.2	77.5	97.5	101.0	101.6	24.4	25.1	31.7	33.0	33.3
Khmelnysk	115.1	130.2	162.7	174.5	156.8	27.5	32.5	41.1	44.3	40.2
Cherkasy	126.9	123.6	147.7	149.1	152.2	31.3	31.7	38.3	38.9	39.9
Chernivtsi	71.9	97.4	130.9	135.3	124.7	19.2	26.2	35.3	36.5	33.6
Chernihiv	65.0	63.4	81.2	87.4	92.5	23.4	24.4	31.8	34.6	36.9
Kyiv city	6	6	6	6	6	6	6	6	6	6

**5.12. Economically active population aged 15-70, by level of education, sex and place of residence**

	Economically active population aged 15-70, thsd. prs.								Economic activity rate, in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	20,894.1	5,388.2	225.4	4,283.6	í	9,381.3	1,519.9	95.7	63.6	79.2	54.9	71.9	í	61.7	39.2	16.4	
2013	20,824.6	5,788.6	203.8	4,332.5	í	9,466.2	994.0	39.5	64.9	78.6	49.5	71.0	í	62.9	34.6	12.8	
2014	19,920.9	6,138.1	230.1	3,997.2	5,269.4	3,849.1	421.0	16.0	62.4	78.2	52.3	67.9	70.7	47.5	21.2	6.8	
2015	18,097.9	5,717.7	226.7	3,526.7	4,747.9	3,494.5	369.7	14.7	62.4	77.9	58.4	68.4	70.7	47.2	20.6	6.5	
2016	17,955.1	5,708.8	219.6	3,507.4	4,780.0	3,388.7	338.4	12.2	62.2	76.9	54.5	67.6	70.4	47.2	19.9	6.1	
<b>Woman</b>																	
2010	10,140.3	2,885.8	128.4	2,559.7	í	3,834.2	679.8	52.4	58.4	75.9	53.3	68.3	í	53.0	33.9	16.0	
2013	9,960.0	3,062.0	97.4	2,552.4	í	3,770.7	454.3	23.2	59.0	74.0	43.3	66.9	í	53.5	30.6	13.9	
2014	9,428.3	3,267.7	116.7	2,339.4	1,779.3	1,731.6	185.7	7.9	56.1	73.6	48.4	63.4	60.5	40.1	17.9	6.3	
2015	8,564.6	3,046.8	113.7	2,068.1	1,590.2	1,577.6	160.2	8.0	56.2	73.3	55.4	63.8	60.1	40.0	17.1	7.0	
2016	8,479.4	2,989.9	108.7	2,060.8	1,641.7	1,532.9	140.8	4.6	55.9	71.5	50.6	63.3	61.0	39.9	15.9	4.7	
<b>Men</b>																	
2010	10,753.8	2,502.4	97.0	1,723.9	í	5,547.1	840.1	43.3	69.4	83.4	57.1	77.9	í	69.5	44.9	16.9	
2013	10,864.6	2,726.6	106.4	1,780.1	í	5,695.5	539.7	16.3	71.4	84.6	57.1	78.0	í	71.3	38.9	11.5	
2014	10,492.6	2,870.4	113.4	1,657.8	3,490.1	2,117.5	235.3	8.1	69.3	84.3	57.1	75.5	77.4	56.0	24.8	7.4	
2015	9,533.3	2,670.9	113.0	1,458.6	3,157.7	1,916.9	209.5	6.7	69.2	83.9	61.8	76.3	77.6	55.3	24.4	6.1	
2016	9,475.7	2,718.9	110.9	1,446.6	3,138.3	1,855.8	197.6	7.6	61.6	76.2	48.0	67.7	68.3	47.9	21.8	5.1	
<b>Urban settlements</b>																	
2010	14,311.0	4,689.2	148.0	3,302.0	í	5,620.2	532.2	19.4	62.0	78.7	48.8	69.8	í	56.8	27.8	6.8	
2013	14,312.9	5,027.5	144.6	3,252.8	í	5,542.1	331.3	14.6	63.4	78.2	47.3	68.6	í	58.2	23.4	9.4	
2014	14,070.3	5,303.1	181.7	3,000.6	3,519.4	1,899.3	161.5	4.7	62.6	77.9	51.1	66.6	69.6	41.0	16.1	4.1	
2015	12,430.4	4,899.3	166.2	2,550.6	3,004.8	1,668.3	135.3	5.9	63.1	77.7	56.7	67.2	70.0	41.1	15.8	5.5	
2016	12,306.4	4,864.9	164.9	2,535.6	2,988.0	1,626.5	122.8	3.7	62.8	76.7	52.9	66.2	69.9	41.3	15.2	3.6	
<b>Rural areas</b>																	
2010	6,583.1	699.0	77.4	981.6	í	3,761.1	987.7	76.3	67.5	82.8	72.1	80.1	í	70.7	50.3	25.5	
2013	6,511.7	761.1	59.2	1,079.7	í	3,924.1	662.7	24.9	68.4	82.0	55.8	79.5	í	71.2	45.4	16.1	
2014	5,850.6	835.0	48.4	996.6	1,750.0	1,949.8	259.5	11.3	61.8	80.3	57.6	72.3	73.1	56.2	26.4	9.2	
2015	5,667.5	818.4	60.5	976.1	1,743.1	1,826.2	234.4	8.8	60.8	79.2	63.8	71.9	71.8	54.6	24.9	7.5	
2016	5,648.7	843.9	54.7	971.8	1,792.0	1,762.2	215.6	8.5	60.9	78.2	60.2	71.5	71.2	54.3	24.1	8.6	

**5.13. Economically active population aged 15-64, by level of education, sex and place of residence**

	Economically active population aged 15-64, thsd. prs.								Economic activity rate, in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	20,418.1	5,315.8	224.2	4,225.3	í	9,223.8	1,363.1	65.9	67.0	82.1	55.4	75.3	í	64.6	42.2	14.4	
2013	20,481.7	5,733.0	202.8	4,288.7	í	9,316.2	909.7	31.3	67.8	81.4	49.7	74.1	í	65.6	36.5	11.9	
2014	19,715.8	6,082.1	230.0	3,962.4	5,242.5	3,794.7	392.4	11.7	65.8	81.3	52.7	71.3	73.6	50.9	22.9	5.8	
2015	17,899.6	5,666.6	226.6	3,490.5	4,721.7	3,437.7	345.2	11.3	66.3	81.4	58.9	72.6	74.3	51.0	22.3	5.7	
2016	17,749.0	5,653.6	219.5	3,462.1	4,746.4	3,341.7	315.4	10.3	66.4	80.8	54.8	72.3	74.5	51.3	21.3	5.7	
<b>Woman</b>																	
2010	9,861.4	2,851.4	127.7	2,525.7	í	3,750.2	575.6	30.8	62.2	78.7	53.6	72.0	í	56.0	36.8	13.3	
2013	9,765.4	3,034.0	97.0	2,525.6	í	3,695.3	397.0	16.5	62.2	76.7	43.5	70.1	í	56.3	32.5	12.5	
2014	9,312.0	3,234.3	116.7	2,317.2	1,771.6	1,701.4	166.4	4.4	59.8	76.5	48.7	66.9	63.5	43.5	19.7	4.4	
2015	8,454.7	3,018.8	113.6	2,044.8	1,581.0	1,546.5	144.5	5.5	60.4	76.6	55.9	68.2	63.8	44.0	18.9	5.9	
2016	8,363.6	2,962.3	108.7	2,029.8	1,628.8	1,505.4	125.4	3.2	60.4	75.2	51.1	68.3	65.2	44.2	17.3	3.8	
<b>Men</b>																	
2010	10,556.7	2,464.4	96.5	1,699.6	í	5,473.6	787.5	35.1	72.3	86.4	57.9	80.8	í	72.1	47.4	15.5	
2013	10,716.3	2,699.0	105.8	1,763.1	í	5,620.9	512.7	14.8	73.9	87.3	57.1	80.7	í	73.6	40.4	11.3	
2014	10,403.8	2,847.8	113.3	1,645.2	3,470.9	2,093.3	226.0	7.3	72.3	87.4	57.5	78.6	80.2	58.9	26.1	7.1	
2015	9,444.9	2,647.8	113.0	1,445.7	3,140.7	1,891.2	200.7	5.8	72.6	87.6	62.2	79.8	81.1	58.6	25.7	5.5	
2016	9,385.4	2,691.3	110.8	1,432.3	3,117.6	1,836.3	190.0	7.1	72.8	88.0	59.0	78.9	80.6	59.1	25.2	7.3	
<b>Urban settlements</b>																	
2010	14,165.8	4,634.3	147.8	3,269.6	í	5,580.3	517.4	16.4	65.7	81.6	49.0	73.4	í	60.2	32.0	6.9	
2013	14,188.2	4,982.4	144.4	3,226.7	í	5,501.0	319.7	14.0	66.6	81.0	47.5	72.0	í	61.3	25.6	10.0	
2014	13,968.0	5,258.5	181.7	2,976.8	3,508.3	1,882.0	156.1	4.6	66.2	81.1	51.4	70.2	72.9	44.5	17.7	4.5	
2015	12,318.7	4,856.5	166.1	2,525.6	2,990.7	1,644.2	129.9	5.7	67.2	81.3	57.1	71.8	74.2	45.0	17.2	5.8	
2016	12,188.9	4,820.7	164.8	2,502.0	2,970.2	1,607.6	120.1	3.5	67.3	80.7	53.0	71.4	74.6	45.6	16.6	3.7	
<b>Rural areas</b>																	
2010	6,252.3	681.5	76.4	955.7	í	3,643.5	845.7	49.5	70.2	85.5	74.1	82.7	í	72.7	52.5	22.6	
2013	6,293.5	750.6	58.4	1,062.0	í	3,815.2	590.0	17.3	70.7	83.8	55.9	81.4	í	72.9	47.4	14.0	
2014	5,747.8	823.6	48.3	985.6	1,734.2	1,912.7	236.3	7.1	64.9	82.5	58.0	74.8	75.3	59.2	28.6	7.0	
2015	5,580.9	810.1	60.5	964.9	1,731.0	1,793.5	215.3	5.6	64.4	81.7	64.4	74.9	74.6	58.1	27.3	5.6	
2016	5,560.1	832.9	54.7	960.1	1,776.2	1,734.1	195.3	6.8	64.5	81.2	61.0	74.9	74.5	58.0	25.8	7.9	

## 5.14. Employed population aged 15-70, by level of education, sex and place of residence

	Employed population aged 15-70, thsd. prs								Employment rate, in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	19,180.2	5,017.1	194.0	3,964.5	1	8,513.8	1,395.2	95.6	58.4	73.8	47.2	66.5	1	56.0	36.0	16.4	
2013	19,314.2	5,401.8	181.3	4,025.5	1	8,742.1	925.4	38.1	60.2	73.4	44.1	66.0	1	58.1	32.2	12.3	
2014	18,073.3	5,661.7	192.7	3,672.2	4,716.5	3,451.8	363.9	14.5	56.6	72.1	43.8	62.4	63.3	42.6	18.3	6.1	
2015	16,443.2	5,272.3	191.3	3,227.5	4,253.7	3,160.4	324.5	13.5	56.7	71.9	49.3	62.6	63.3	42.7	18.1	6.0	
2016	16,276.9	5,253.3	186.0	3,225.6	4,271.6	3,019.4	311.2	9.8	56.3	70.8	46.2	62.2	62.9	42.1	18.3	4.9	
<b>Woman</b>																	
2010	9,442.0	2,698.6	108.8	2,395.0	1	3,545.3	642.0	52.3	54.4	71.0	45.2	63.9	1	49.0	32.1	16.0	
2013	9,329.5	2,866.4	88.9	2,388.4	1	3,536.6	426.3	22.9	55.3	69.3	39.5	62.6	1	50.2	28.7	13.7	
2014	8,718.9	3,037.9	105.5	2,196.0	1,610.3	1,589.1	172.9	7.2	51.9	68.4	43.8	59.5	54.7	36.8	16.6	5.7	
2015	7,872.4	2,805.1	96.6	1,926.5	1,424.0	1,465.6	147.3	7.3	51.7	67.5	47.1	59.4	53.8	37.2	15.7	6.3	
2016	7,827.4	2,781.3	95.7	1,919.2	1,470.6	1,423.1	132.9	4.6	51.6	66.6	44.6	58.9	54.6	37.0	15.0	4.7	
<b>Men</b>																	
2010	9,738.2	2,318.5	85.2	1,569.5	1	4,968.5	753.2	43.3	62.9	77.3	50.2	70.9	1	62.3	40.2	16.9	
2013	9,984.7	2,535.4	92.4	1,637.1	1	5,205.5	499.1	15.2	65.6	78.7	49.6	71.7	1	65.2	36.0	10.7	
2014	9,354.4	2,623.8	87.2	1,476.2	3,106.2	1,862.7	191.0	7.3	61.8	77.0	43.9	67.2	68.9	49.3	20.1	6.7	
2015	8,570.8	2,467.2	94.7	1,301.0	2,829.7	1,694.8	177.2	6.2	62.2	77.5	51.8	68.0	69.5	48.9	20.6	5.6	
2016	8,449.5	2,472.0	90.3	1,306.4	2,801.0	1,596.3	178.3	5.2	61.6	76.2	48.0	67.7	68.3	47.9	21.8	5.1	
<b>Urban settlements</b>																	
2010	13,072.2	4,355.1	124.3	3,049.6	1	5,051.9	471.9	19.4	56.6	73.1	41.0	64.4	1	51.1	24.7	6.8	
2013	13,280.7	4,698.9	129.8	3,017.1	1	5,121.4	300.0	13.5	58.8	73.1	42.5	63.6	1	53.8	21.2	8.7	
2014	12,780.9	4,896.6	153.1	2,758.2	3,156.2	1,679.8	132.3	4.7	56.9	71.9	43.1	61.2	62.4	36.3	13.2	4.1	
2015	11,309.0	4,514.0	141.3	2,337.2	2,697.7	1,495.0	118.1	5.7	57.4	71.6	48.2	61.5	62.9	36.8	13.8	5.3	
2016	11,178.5	4,477.1	138.9	2,336.3	2,676.9	1,438.1	107.7	3.5	57.0	70.6	44.5	61.0	62.6	36.5	13.3	3.4	
<b>Rural areas</b>																	
2010	6,108.0	662.0	69.7	914.9	1	3,461.9	923.3	76.2	62.6	78.4	65.0	74.7	1	65.1	47.0	25.4	
2013	6,033.5	702.9	51.5	1,008.4	1	3,620.7	625.4	24.6	63.4	75.7	48.5	74.2	1	65.7	42.9	15.9	
2014	5,292.4	765.1	39.6	914.0	1,560.3	1,772.0	231.6	9.8	55.9	73.6	47.1	66.3	65.2	51.1	23.6	8.0	
2015	5,134.2	758.3	50.0	890.3	1,556.0	1,665.4	206.4	7.8	55.1	73.4	52.7	65.6	64.1	49.8	22.0	6.6	
2016	5,098.4	776.2	47.1	889.3	1,594.7	1,581.3	203.5	6.3	54.9	72.0	51.9	65.4	63.4	48.7	22.8	6.4	

## 5.15. Employed population aged 15-64, by level of education, sex and place of residence

	Employed population aged 15-64, thsd. prs								Employment rate, in percentage to population of relevant level of education							
	Total	by level of education							Total	by level of education						
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
<b>Total</b>																
2010	18,704.2	4,944.7	192.8	3,906.2	í	8,356.3	1,238.4	65.8	61.4	76.3	47.6	69.6	í	58.5	38.4	14.4
2013	18,971.3	5,346.2	180.3	3,981.7	í	8,592.1	841.1	29.9	62.8	75.9	44.2	68.8	í	60.5	33.8	11.3
2014	17,868.4	5,605.7	192.7	3,637.5	4,689.6	3,397.4	335.3	10.2	59.6	74.9	44.1	65.5	65.9	45.5	19.6	5.0
2015	16,245.4	5,221.6	191.2	3,191.3	4,227.5	3,103.7	300.0	10.1	60.2	75.0	49.7	66.4	66.6	46.0	19.4	5.1
2016	16,071.4	5,198.7	185.9	3,180.3	4,238.0	2,972.4	288.2	7.9	60.1	74.3	46.4	66.4	66.6	45.6	19.4	4.4
<b>Woman</b>																
2010	9,163.1	2,664.2	108.0	2,361.0	í	3,461.3	537.9	30.7	57.8	73.5	45.3	67.3	í	51.7	34.3	13.2
2013	9,134.9	2,838.4	88.5	2,361.7	í	3,461.1	369.0	16.2	58.2	71.7	39.7	65.6	í	52.7	30.2	12.2
2014	8,602.7	3,004.5	105.5	2,173.9	1,602.6	1,558.9	153.6	3.7	55.2	71.1	44.0	62.8	57.4	39.9	18.2	3.7
2015	7,762.6	2,777.1	96.5	1,903.2	1,414.8	1,434.6	131.6	4.8	55.5	70.5	47.5	63.5	57.1	40.8	17.2	5.1
2016	7,711.6	2,753.7	95.7	1,888.2	1,457.7	1,395.6	117.5	3.2	55.7	69.9	45.0	63.5	58.3	40.9	16.2	3.8
<b>Men</b>																
2010	9,541.1	2,280.5	84.8	1,545.2	í	4,895.0	700.5	35.1	65.3	79.9	50.9	73.5	í	64.5	42.2	15.5
2013	9,836.4	2,507.8	91.8	1,620.0	í	5,131.0	472.1	13.7	67.8	81.1	49.6	74.2	í	67.2	37.2	10.4
2014	9,265.7	2,601.2	87.2	1,463.6	3,087.0	1,838.5	181.7	6.5	64.4	79.9	44.3	69.9	71.4	51.7	21.0	6.3
2015	8,482.8	2,444.5	94.7	1,288.1	2,812.7	1,669.1	168.4	5.3	65.2	80.9	52.1	71.1	72.6	51.7	21.5	5.0
2016	8,359.8	2,445.0	90.2	1,292.1	2,780.3	1,576.8	170.7	4.7	64.9	80.0	48.1	71.2	71.9	50.8	22.6	4.9
<b>Urban settlements</b>																
2010	12,927.0	4,300.2	124.1	3,017.2	í	5,012.0	457.1	16.4	59.9	75.7	41.1	67.7	í	54.0	28.3	6.9
2013	13,156.0	4,653.7	129.5	2,991.0	í	5,080.5	288.4	12.9	61.8	75.7	42.6	66.7	í	56.6	23.1	9.2
2014	12,678.7	4,852.0	153.1	2,734.5	3,145.1	1,662.5	126.9	4.6	60.1	74.8	43.3	64.5	65.3	39.3	14.4	4.5
2015	11,197.8	4,471.6	141.2	2,312.2	2,683.6	1,471.0	112.7	5.5	61.1	74.9	48.6	65.7	66.5	40.2	14.9	5.6
2016	11,061.6	4,433.5	138.8	2,302.7	2,659.1	1,419.2	105.0	3.3	61.1	74.2	44.7	65.7	66.8	40.3	14.5	3.5
<b>Rural areas</b>																
2010	5,777.2	644.5	68.7	889.0	í	3,344.3	781.3	49.4	64.9	80.8	66.6	76.9	í	66.7	48.5	22.6
2013	5,815.3	692.5	50.8	990.7	í	3,511.6	552.7	17.0	65.3	77.3	48.7	75.9	í	67.1	44.4	13.7
2014	5,189.7	753.7	39.6	903.0	1,544.5	1,734.9	208.4	5.6	58.6	75.5	47.5	68.5	67.1	53.7	25.2	5.5
2015	5,047.6	750.0	50.0	879.1	1,543.9	1,632.7	187.3	4.6	58.2	75.6	53.2	68.2	66.6	52.9	23.7	4.6
2016	5,009.8	765.2	47.1	877.6	1,578.9	1,553.2	183.2	4.6	58.1	74.6	52.6	68.4	66.2	51.9	24.2	5.3

## 5.16. Unemployed population aged 15-70, by level of education, sex and place of residence

	Unemployed population aged 15-70, thsd. prs								Unemployment rate, in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	1,713.9	371.1	31.4	319.1	í	867.5	124.7	:	8.2	6.9	13.9	7.4	í	9.2	8.2	:	
2013	1,510.4	386.8	22.5	307.0	í	724.1	68.6	:	7.3	6.7	11.0	7.1	í	7.6	6.9	:	
2014	1,847.6	476.4	37.4	325.0	552.9	397.3	57.1	:	9.3	7.8	16.3	8.1	10.5	10.3	13.6	:	
2015	1,654.7	445.4	35.4	299.2	494.2	334.1	45.2	:	9.1	7.8	15.6	8.5	10.4	9.6	12.2	:	
2016	1,678.2	455.5	33.6	281.8	508.4	369.3	27.2	:	9.3	8.0	15.3	8.0	10.6	10.9	8.0	:	
<b>Woman</b>																	
2010	698.3	187.2	19.6	164.7	í	288.9	37.8	:	6.9	6.5	15.3	6.4	í	7.5	5.6	:	
2013	630.5	195.6	8.5	164.0	í	234.1	28.0	:	6.3	6.4	8.7	6.4	í	6.2	6.2	:	
2014	709.4	229.8	11.2	143.4	169.0	142.5	12.8	:	7.5	7.0	9.6	6.1	9.5	8.2	6.9	:	
2015	692.2	241.7	17.1	141.6	166.2	112.0	12.9	:	8.1	7.9	15.0	6.8	10.5	7.1	8.1	:	
2016	652.0	208.6	13.0	141.6	171.1	109.8	7.9	:	7.7	7.0	12.0	6.9	10.4	7.2	5.6	:	
<b>Men</b>																	
2010	1,015.6	183.9	11.8	154.4	í	578.6	86.9	:	9.4	7.3	12.2	9.0	í	10.4	10.3	:	
2013	879.9	191.2	14.0	143.0	í	490.0	40.6	:	8.1	7.0	13.2	8.0	í	8.6	7.5	:	
2014	1,138.2	246.6	26.2	181.6	383.9	254.8	44.3	:	10.8	8.6	23.1	11.0	11.0	12.0	18.8	:	
2015	962.5	203.7	18.3	157.6	328.0	222.1	32.3	:	10.1	7.6	16.2	10.8	10.4	11.6	15.4	:	
2016	1,026.2	246.9	20.6	140.2	337.3	259.5	19.3	:	10.8	9.1	18.6	9.7	10.7	14.0	9.8	:	
<b>Urban settlements</b>																	
2010	1,238.8	334.1	23.7	252.4	í	568.3	60.3	:	8.7	7.1	16.0	7.6	í	10.1	11.3	:	
2013	1,032.2	328.6	14.8	235.7	í	420.7	31.3	:	7.2	6.5	10.2	7.2	í	7.6	9.4	:	
2014	1,289.4	406.5	28.6	242.4	363.2	219.5	29.2	:	9.2	7.7	15.7	8.1	10.3	11.6	18.1	:	
2015	1,121.4	385.3	24.9	213.4	307.1	173.3	17.2	:	9.0	7.9	15.0	8.4	10.2	10.4	12.7	:	
2016	1,127.9	387.8	26.0	199.3	311.1	188.4	15.1	:	9.2	8.0	15.8	7.9	10.4	11.6	12.3	:	
<b>Rural areas</b>																	
2010	475.1	37.0	7.7	66.7	í	299.2	64.4	:	7.2	5.3	9.9	6.8	í	8.0	6.5	:	
2013	478.2	58.2	7.7	71.3	í	303.4	37.3	:	7.3	7.6	13.0	6.6	í	7.7	5.6	:	
2014	558.2	69.9	8.8	82.6	189.7	177.8	27.9	:	9.5	8.4	18.2	8.3	10.8	9.1	10.8	:	
2015	533.3	60.1	10.5	85.8	187.1	160.8	28.0	:	9.4	7.3	17.4	8.8	10.7	8.8	11.9	:	
2016	550.3	67.7	7.6	82.5	197.3	180.9	12.1	:	9.7	8.0	13.9	8.5	11.0	10.3	5.6	:	



## 5.17. Unemployed population aged 15-64, by level of education, sex and place of residence

	Unemployed population aged 15-64, thsd. prs								Unemployment rate, in in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	1,713.9	371.1	31.4	319.1	í	867.5	124.7	:	8.4	7.0	14.0	7.6	í	9.4	9.1	:	
2013	1,510.4	386.8	22.5	307.0	í	724.1	68.6	:	7.4	6.7	11.1	7.2	í	7.8	7.5	:	
2014	1,847.4	476.4	37.3	324.9	552.9	397.3	57.1	:	9.4	7.8	16.2	8.2	10.5	10.5	14.6	:	
2015	1,654.2	445.0	35.4	299.2	494.2	334.0	45.2	:	9.2	7.9	15.6	8.6	10.5	9.7	13.1	:	
2016	1,677.6	454.9	33.6	281.8	508.4	369.3	27.2	:	9.5	8.0	15.3	8.1	10.7	11.1	8.6	:	
<b>Woman</b>																	
2010	698.3	187.2	19.7	164.7	í	288.9	37.7	:	7.1	6.6	15.4	6.5	í	7.7	6.5	:	
2013	630.5	195.6	8.5	163.9	í	234.2	28.0	:	6.5	6.4	8.8	6.5	í	6.3	7.1	:	
2014	709.3	229.8	11.2	143.3	169.0	142.5	12.8	:	7.6	7.1	9.6	6.2	9.5	8.4	7.7	:	
2015	692.1	241.7	17.1	141.6	166.2	111.9	12.9	:	8.2	8.0	15.1	6.9	10.5	7.2	8.9	:	
2016	652.0	208.6	13.0	141.6	171.1	109.8	7.9	:	7.8	7.0	12.0	7.0	10.5	7.3	6.3	:	
<b>Men</b>																	
2010	1,015.6	183.9	11.7	154.4	í	578.6	87.0	:	9.6	7.5	12.1	9.1	í	10.6	11.0	:	
2013	879.9	191.2	14.0	143.1	í	489.9	40.6	:	8.2	7.1	13.2	8.1	í	8.7	7.9	:	
2014	1,138.1	246.6	26.1	181.6	383.9	254.8	44.3	:	10.9	8.7	23.0	11.0	11.1	12.2	19.6	:	
2015	962.1	203.3	18.3	157.6	328.0	222.1	32.3	:	10.2	7.7	16.2	10.9	10.4	11.7	16.1	:	
2016	1,025.6	246.3	20.6	140.2	337.3	259.5	19.3	:	10.9	9.2	18.6	9.8	10.8	14.1	10.2	:	
<b>Urban settlements</b>																	
2010	1,238.8	334.1	23.7	252.4	í	568.3	60.3	:	8.7	7.2	16.0	7.7	í	10.2	11.7	:	
2013	1,032.2	328.7	14.9	235.7	í	420.5	31.3	:	7.3	6.6	10.3	7.3	í	7.6	9.8	:	
2014	1,289.3	406.5	28.6	242.3	363.2	219.5	29.2	:	9.2	7.7	15.7	8.1	10.4	11.7	18.7	:	
2015	1,120.9	384.9	24.9	213.4	307.1	173.2	17.2	:	9.1	7.9	15.0	8.4	10.3	10.5	13.2	:	
2016	1,127.3	387.2	26.0	199.3	311.1	188.4	15.1	:	9.2	8.0	15.8	8.0	10.5	11.7	12.6	:	
<b>Rural areas</b>																	
2010	475.1	37.0	7.7	66.7	í	299.2	64.4	:	7.6	5.4	10.1	7.0	í	8.2	7.6	:	
2013	478.2	58.1	7.6	71.3	í	303.6	37.3	:	7.6	7.7	13.0	6.7	í	8.0	6.3	:	
2014	558.1	69.9	8.7	82.6	189.7	177.8	27.9	:	9.7	8.5	18.0	8.4	10.9	9.3	11.8	:	
2015	533.3	60.1	10.5	85.8	187.1	160.8	28.0	:	9.6	7.4	17.4	8.9	10.8	9.0	13.0	:	
2016	550.3	67.7	7.6	82.5	197.3	180.9	12.1	:	9.9	8.1	13.9	8.6	11.1	10.4	6.2	:	

## 5.18. Economically inactive population aged 15-70, by level of education, sex and place of residence

	Economically inactive population aged 15-70, thsd. prs								Economically inactive rate, in percentage to population of relevant level of education								
	Total	by level of education							Total	by level of education							
		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated		complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	
<b>Total</b>																	
2010	11,945.0	1,410.8	185.3	1,674.4	í	5,831.3	2,355.9	487.3	36.4	20.8	45.1	28.1	í	38.3	60.8	83.6	
2013	11,270.1	1,571.5	207.7	1,768.9	í	5,573.5	1,878.5	270.0	35.1	21.4	50.5	29.0	í	37.1	65.4	87.2	
2014	12,023.0	1,711.0	209.5	1,888.6	2,178.7	4,248.5	1,566.9	219.8	37.6	21.8	47.7	32.1	29.3	52.5	78.8	93.2	
2015	10,925.5	1,619.0	161.5	1,627.9	1,968.0	3,911.6	1,426.6	210.9	37.6	22.1	41.6	31.6	29.3	52.8	79.4	93.5	
2016	10,934.1	1,713.7	183.2	1,680.5	2,013.1	3,790.6	1,364.3	188.7	37.8	23.1	45.5	32.4	29.6	52.8	80.1	93.9	
<b>Woman</b>																	
2010	7,211.2	914.3	112.5	1,185.7	í	3,401.1	1,323.0	274.6	41.6	24.1	46.7	31.7	í	47.0	66.1	84.0	
2013	6,925.4	1,076.5	127.8	1,265.7	í	3,280.3	1,031.0	144.1	41.0	26.0	56.7	33.1	í	46.5	69.4	86.1	
2014	7,370.3	1,174.9	124.2	1,351.2	1,162.4	2,585.8	853.6	118.2	43.9	26.4	51.6	36.6	39.5	59.9	82.1	93.7	
2015	6,674.7	1,107.7	91.6	1,174.3	1,056.0	2,362.1	776.0	107.0	43.8	26.7	44.6	36.2	39.9	60.0	82.9	93.0	
2016	6,692.7	1,188.9	106.1	1,196.0	1,051.5	2,311.4	744.5	94.3	44.1	28.5	49.4	36.7	39.0	60.1	84.1	95.3	
<b>Men</b>																	
2010	4,733.8	496.5	72.8	488.7	í	2,430.2	1,032.9	212.7	30.6	16.6	42.9	22.1	í	30.5	55.1	83.1	
2013	4,344.7	495.0	79.9	503.2	í	2,293.2	847.5	125.9	28.6	15.4	42.9	22.0	í	28.7	61.1	88.5	
2014	4,652.7	536.1	85.3	537.4	1,016.3	1,662.7	713.3	101.6	30.7	15.7	42.9	24.5	22.6	44.0	75.2	92.6	
2015	4,250.8	511.3	69.9	453.6	912.0	1,549.5	650.6	103.9	30.8	16.1	38.2	23.7	22.4	44.7	75.6	93.9	
2016	4,241.4	524.8	77.1	484.5	961.6	1,479.2	619.8	94.4	30.9	16.2	41.0	25.1	23.5	44.4	75.8	92.5	
<b>Urban settlements</b>																	
2010	8,769.9	1,265.5	155.4	1,430.7	í	4,273.9	1,380.5	263.9	38.0	21.3	51.2	30.2	í	43.2	72.2	93.2	
2013	8,261.2	1,404.2	160.8	1,490.0	í	3,982.7	1,082.9	140.6	36.6	21.8	52.7	31.4	í	41.8	76.6	90.6	
2014	8,407.1	1,506.3	173.9	1,506.6	1,536.1	2,731.3	844.3	108.6	37.4	22.1	48.9	33.4	30.4	59.0	83.9	95.9	
2015	7,277.8	1,404.5	127.1	1,246.8	1,284.8	2,392.0	721.0	101.6	36.9	22.3	43.3	32.8	30.0	58.9	84.2	94.5	
2016	7,300.4	1,479.0	147.1	1,293.5	1,288.1	2,308.4	685.4	98.9	37.2	23.3	47.1	33.8	30.1	58.7	84.8	96.4	
<b>Rural areas</b>																	
2010	3,175.1	145.3	29.9	243.7	í	1,557.4	975.4	223.4	32.5	17.2	27.9	19.9	í	29.3	49.7	74.5	
2013	3,008.9	167.3	46.9	278.9	í	1,590.8	795.6	129.4	31.6	18.0	44.2	20.5	í	28.8	54.6	83.9	
2014	3,615.9	204.7	35.6	382.0	642.6	1,517.2	722.6	111.2	38.2	19.7	42.4	27.7	26.9	43.8	73.6	90.8	
2015	3,647.7	214.5	34.4	381.1	683.2	1,519.6	705.6	109.3	39.2	20.8	36.2	28.1	28.2	45.4	75.1	92.5	
2016	3,633.7	234.7	36.1	387.0	725.0	1,482.2	678.9	89.8	39.1	21.8	39.8	28.5	28.8	45.7	75.9	91.4	

### 5.19. Employed population, by type of economic activity

(thsd. prs.)

	2013		2014		2015		2016	
	Total	including employees of enterprizes, establishments and organizations	Total	including employees of enterprizes, establishments and organizations	Total	including employees of enterprizes, establishments and organizations	Total	including employees of enterprizes, establishments and organizations
<b>Employed total<sup>1</sup></b>	<b>19,314.2</b>	<b>11,145.4</b>	<b>18,073.3</b>	<b>10,565.2</b>	<b>16,443.2</b>	<b>9,501.1</b>	<b>16,276.9</b>	<b>9,330.2</b>
Agriculture, hunting and forestry. Fishing	3,389.0	633.7	3,091.4	607.5	2,870.6	568.5	2,866.5	562.3
Industry	3,170.0	2,736.6	2,898.2	2,501.4	2,573.9	2,171.6	2,494.8	2,097.0
Construction	841.1	362.6	746.4	305.5	642.1	248.1	644.5	245.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	4,269.5	1,116.2	3,965.7	1,027.9	3,510.7	887.0	3,516.2	903.6
Transportation and storage	1,163.6	813.5	1,113.4	785.2	998.0	704.5	997.2	706.5
Accommodation and food service activities	328.9	117.6	309.1	107.9	277.3	94.3	276.7	96.8
Information and communication	299.9	210.6	284.8	196.9	272.9	170.4	275.2	165.9
Financial and insurance activities	306.2	295.0	286.8	276.8	243.6	223.2	225.6	205.5
Real estate activities	314.3	192.2	286.1	174.2	268.3	156.2	255.5	147.0
Professional, scientific and technical activities	493.6	393.9	456.0	364.5	422.9	317.8	428.1	313.0
Administrative and support service activities	343.3	285.3	334.3	284.8	298.6	248.8	304.3	253.3
Public administration and defence, compulsory social security	962.3	962.3	959.5 <sup>2</sup>	959.5 <sup>2</sup>	974.5 <sup>2</sup>	974.5 <sup>2</sup>	973.1	973.1
Education	1,611.2	1,590.5	1,587.7	1,569.2	1,496.5	1,478.3	1,441.4	1,421.4
Human health and social work activities	1,171.8	1,142.8	1,150.5	1,125.4	1,040.7	1,007.9	1,030.4	997.3
Arts, entertainment and recreation	226.5	189.5	221.2	189.0	207.9	174.2	201.6	167.2
Other types of economic activity	423.0	103.1	382.2	89.5	344.7	75.8	345.8	74.4

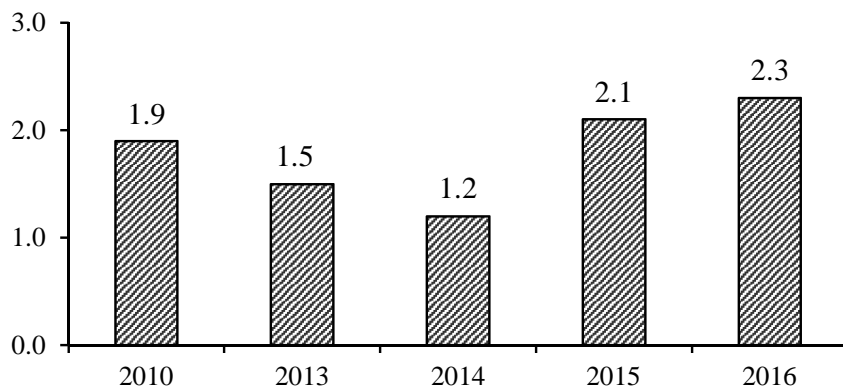
<sup>1</sup> Methodology of indicator provides a definition of population employment by the place of its residence. The distribution of the total employed by type of economic activity is made through a complex estimate based on integration of different sources.

<sup>2</sup> Including a number of temporary employees, who were involved in the preparation and holding of elections: in 2014 - of the President of Ukraine and to the Verkhovna Rada of Ukraine, in 2015 - elections deputies of local councils and village, town and city heads

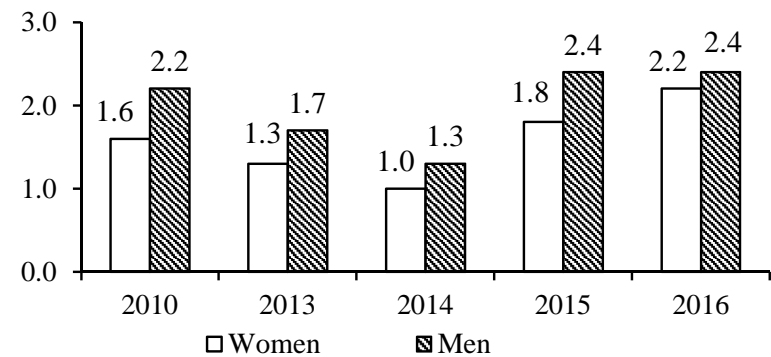
**5.20. Unemployed population, by duration of job searching**

	Unemployed population aged 15-70, total, thsd. prs	Of them were looking for a job or trying to organize their own business		by duration of job searching						Average duration of job searching, months
				until to 1 month	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months	12 and more months	
		total, thsd. prs.	in percentage to the total unemployed	in percentage to the total						
2010	1,713.9	1,648.4	96.2	9.8	24.1	21.6	11.0	9.4	24.1	7
2013	1,510.4	1,473.7	97.6	11.0	26.9	23.8	10.4	6.4	21.5	6
2014	1,847.6	1,801.6	97.5	13.4	31.7	25.1	10.2	6.8	12.8	5
2015	1,654.7	1,617.4	97.7	10.5	23.3	23.9	11.0	7.3	24.0	7
2016	1,678.2	1,634.8	97.4	10.5	26.2	21.6	10.0	6.4	25.3	7

**5.21. Long-term unemployment rate of population aged 15-70, 2010-2016**  
in % to economic active population of relevant age



**5.22. Long-term unemployment rate of population aged 15-70, by sex, 2010-2016**  
in % to economic active population of relevant age and sex



**5.23. Population, by reasons of economic inactivity, sex and place of residence**

	Economic inactive population, total, thsd. prs	by reasons												
		pensioners	pupils, students	perform home (family) duties	by state of health	discouraged	dependents	don't know where and how to search for a job	think that there is no suitable work	have a seasonal work	hope to return to the previous job	registering for pension	other	
<b>Total</b>														
2010	11,945.0	5,842.8	3,071.0	2,071.5	209.2	172.7	253.3	36.5	71.2	57.8	17.6	9.6	131.8	
2013	11,270.1	5,746.0	2,788.4	2,120.4	116.1	95.9	160.6	21.5	63.8	16.7	9.4	4.7	126.6	
2014	12,023.0	6,412.2	2,587.3	2,241.8	148.1	148.2	164.7	41.2	86.6	34.9	27.4	9.2	121.4	
2015	10,925.5	5,818.9	2,434.0	2,067.2	130.5	106.3	95.9	31.6	81.9	24.6	15.0	5.8	113.8	
2016	10,934.1	5,771.6	2,340.2	2,272.2	119.4	91.5	91.9	25.0	75.2	19.9	12.1	3.9	111.2	
<b>Woman</b>														
2010	7,211.2	3,595.0	1,552.7	1,687.6	79.1	68.3	141.1	12.2	26.7	9.3	4.8	4.7	29.7	
2013	6,925.4	3,500.6	1,372.8	1,781.1	47.7	41.0	104.2	9.0	27.9	3.0	3.9	2.2	32.0	
2014	7,370.3	3,854.3	1,270.1	1,883.1	63.0	73.3	114.4	18.7	37.7	7.6	15.3	4.4	28.4	
2015	6,674.7	3,535.8	1,194.7	1,700.1	53.9	47.2	52.6	14.0	35.7	5.2	5.4	1.9	28.2	
2016	6,692.7	3,487.6	1,127.5	1,864.3	42.9	36.7	48.5	12.0	37.3	5.1	3.4	1.1	26.3	
<b>Men</b>														
2010	4,733.8	2,247.8	1,518.3	383.9	130.1	104.4	112.2	24.3	44.5	48.5	12.8	4.9	102.1	
2013	4,344.7	2,245.4	1,415.6	339.3	68.4	54.9	56.4	12.5	35.9	13.7	5.5	2.5	94.6	
2014	4,652.7	2,557.9	1,317.2	358.7	85.1	74.9	50.3	22.5	48.9	27.3	12.1	4.8	93.0	
2015	4,250.8	2,283.1	1,239.3	367.1	76.6	59.1	43.3	17.6	46.2	19.4	9.6	3.9	85.6	
2016	4,241.4	2,284.0	1,212.7	407.9	76.5	54.8	43.4	13.0	37.9	14.8	8.7	2.8	84.9	
<b>Urban settlements</b>														
2010	8,769.9	4,410.9	2,330.2	1,419.2	145.0	94.0	213.0	15.8	32.2	14.8	12.5	6.7	75.6	
2013	8,261.2	4,377.2	2,041.8	1,459.2	71.9	42.0	143.4	7.2	29.3	8.2	6.4	3.8	70.8	
2014	8,407.1	4,652.7	1,856.6	1,434.9	87.3	89.9	125.0	17.1	33.4	13.3	20.1	6.0	70.8	
2015	7,277.8	4,005.6	1,699.0	1,253.2	78.4	53.6	60.4	10.6	32.6	6.1	10.3	4.7	63.3	
2016	7,300.4	3,969.5	1,647.0	1,377.3	81.7	43.9	60.7	10.6	33.4	6.9	6.7	2.2	60.5	
<b>Rural areas</b>														
2010	3,175.1	1,431.9	740.8	652.3	64.2	78.7	40.3	20.7	39.0	43.0	5.1	2.9	56.2	
2013	3,008.9	1,368.8	746.6	661.2	44.2	53.9	17.2	14.3	34.5	8.5	3.0	0.9	55.8	
2014	3,615.9	1,759.5	730.7	806.9	60.8	58.3	39.7	24.1	53.2	21.6	7.3	3.2	50.6	
2015	3,647.7	1,813.3	735.0	814.0	52.1	52.7	35.5	21.0	49.3	18.5	4.7	1.1	50.5	
2016	3,633.7	1,802.1	693.2	894.9	37.7	47.6	31.2	14.4	41.8	13.0	5.4	1.7	50.7	

# **INTERNATIONAL COMPARISONS**

## **SECTION 6**

### 6.1. Employment rate of population in Ukraine and EU countries, by sex

(in percentage to the total population aged 15 years and over, for Ukraine ó aged 15ó70)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>58.4</b>	<b>60.2</b>	<b>56.6</b>	<b>56.7</b>	<b>56.3</b>
<b>EU (28 countries)</b>	<b>51.9</b>	<b>51.3</b>	<b>51.7</b>	<b>52.1</b>	<b>52.8</b>
Austria	57.5	57.7	57.3	57.2	57.5
Belgium	49.6	49.0	48.9	48.8	49.0
Bulgaria	47.9	46.9	48.0	49.1	49.3
Greece	46.7	37.7	38.1	39.0	39.9
Denmark	59.6	58.0	58.1	58.4	59.6
Estonia	50.4	56.0	56.6	58.3	58.6
Ireland	52.3	52.4	53.2	54.4	55.5
Spain	47.8	43.9	44.5	45.9	47.0
Italy	44.2	42.9	42.8	43.1	43.7
Cyprus	60.2	53.3	53.5	53.0	53.9
Latvia	47.4	52.4	52.8	54.1	54.6
Lithuania	46.7	51.2	52.6	53.8	55.6
Luxembourg	55.2	55.9	56.6	56.0	55.2
Malta	47.3	49.8	50.9	51.5	52.4
Netherlands	62.2	60.2	59.6	60.0	60.2
Germany	55.2	57.2	57.4	57.4	58.4
Poland	50.0	50.2	51.2	51.9	52.8
Portugal	54.6	49.7	50.7	51.3	52.0
Romania	51.1	50.7	51.1	50.8	50.6
Slovakia	50.5	50.9	51.5	52.8	54.2
Slovenia	54.9	51.5	52.1	52.2	52.1
United Kingdom	57.5	57.9	58.8	59.4	59.9
Hungary	44.7	46.9	49.5	51.0	52.8
Finland	54.9	54.3	53.8	53.4	53.4
France	51.5	50.9	50.4	50.3	50.3
Croatia	46.5	42.1	43.3	44.2	44.6
Czech Republic	54.2	55.2	55.7	56.4	57.6
Sweden	57.8	59.1	59.6	60.0	60.4

Table 6.1. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>54.4</b>	<b>55.3</b>	<b>51.9</b>	<b>51.7</b>	<b>51.6</b>	<b>62.9</b>	<b>65.6</b>	<b>61.8</b>	<b>62.2</b>	<b>61.6</b>
<b>EU (28 countries)</b>	<b>45.6</b>	<b>45.6</b>	<b>46.0</b>	<b>46.4</b>	<b>47.0</b>	<b>58.6</b>	<b>57.5</b>	<b>57.9</b>	<b>58.3</b>	<b>58.9</b>
Austria	51.6	52.4	52.3	52.4	52.8	63.8	63.3	62.6	62.4	62.5
Belgium	43.6	43.9	44.3	44.3	44.2	55.9	54.5	53.9	53.5	54.0
Bulgaria	43.2	42.8	43.6	44.5	44.3	53.0	51.4	52.7	54.1	54.6
Greece	36.9	30.0	30.8	31.8	32.4	57.2	46.0	45.9	46.8	47.9
Denmark	55.9	54.3	54.1	54.1	55.5	63.3	61.8	62.2	62.8	63.9
Estonia	47.3	50.9	50.9	52.5	52.9	54.0	62.2	63.5	65.1	65.3
Ireland	47.8	47.3	47.7	48.6	49.8	57.0	57.6	58.9	60.4	61.4
Spain	41.6	39.1	39.6	40.6	41.7	54.2	48.8	49.7	51.4	52.6
Italy	34.5	34.5	34.6	34.7	35.3	54.7	51.9	51.7	52.2	52.8
Cyprus	54.1	48.4	49.8	49.2	49.4	67.0	58.6	57.6	57.2	58.8
Latvia	45.1	48.0	48.2	49.4	50.4	50.2	57.8	58.6	59.9	59.8
Lithuania	44.9	47.4	48.9	50.0	51.9	48.9	55.8	57.1	58.3	60.0
Luxembourg	47.2	49.1	50.4	50.6	50.0	63.3	62.7	62.8	61.4	60.4
Malta	32.3	37.3	39.0	39.9	40.7	62.5	62.3	62.8	63.2	64.1
Netherlands	56.3	54.9	53.9	54.5	54.9	68.3	65.7	65.5	65.6	65.8
Germany	49.6	51.9	52.2	52.4	53.5	61.2	62.8	62.8	62.6	63.5
Poland	42.8	42.8	43.8	44.7	45.3	57.8	58.2	59.2	59.8	60.9
Portugal	49.2	45.3	46.1	46.9	47.5	60.7	54.7	55.8	56.3	57.1
Romania	43.3	43.1	43.3	42.6	42.2	59.4	58.8	59.5	59.6	59.4
Slovakia	43.4	43.6	44.1	45.3	46.9	58.2	58.6	59.5	60.9	62.1
Slovenia	49.5	46.0	46.7	46.7	47.5	60.4	57.1	57.7	57.8	56.7
United Kingdom	52.2	52.8	53.7	54.3	54.8	63.1	63.3	64.3	64.8	65.2
Hungary	39.1	40.6	42.8	44.0	45.6	51.1	54.0	57.2	58.9	61.0
Finland	51.7	51.4	51.1	50.7	50.3	58.3	57.4	56.8	56.3	56.8
France	46.8	46.7	46.5	46.5	46.5	56.6	55.4	54.7	54.3	54.4
Croatia	40.5	37.1	37.9	39.0	39.2	53.1	47.5	49.2	49.9	50.5
Czech Republic	45.1	46.7	47.1	48.1	49.4	63.7	64.1	64.7	65.1	66.1
Sweden	53.9	55.7	56.2	56.8	57.5	61.8	62.6	63.0	63.2	63.4



**6.2. Employment rate of population aged 15-64 in Ukraine and EU countries, by sex**

(in percentage to the population of relevant age)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>61.4</b>	<b>62.8</b>	<b>59.6</b>	<b>60.2</b>	<b>60.1</b>
<b>EU (28 countries)</b>	<b>64.1</b>	<b>64.1</b>	<b>64.8</b>	<b>65.6</b>	<b>66.6</b>
Austria	70.8	71.4	71.1	71.1	71.5
Belgium	62.0	61.8	61.9	61.8	62.3
Bulgaria	59.8	59.5	61.0	62.9	63.4
Greece	59.1	48.8	49.4	50.8	52.0
Denmark	73.3	72.5	72.8	73.5	74.9
Estonia	61.2	68.5	69.6	71.9	72.1
Ireland	59.6	60.5	61.7	63.3	64.8
Spain	58.8	54.8	56.0	57.8	59.5
Italy	56.8	55.5	55.7	56.3	57.2
Cyprus	68.9	61.7	62.1	62.7	63.4
Latvia	58.5	65.0	66.3	68.1	68.7
Lithuania	57.6	63.7	65.7	67.2	69.4
Luxembourg	65.2	65.7	66.6	66.1	65.6
Malta	56.2	60.8	62.4	63.9	65.7
Netherlands	74.7	73.6	73.1	74.1	74.8
Germany	71.3	73.5	73.8	74.0	74.7
Poland	58.9	60.0	61.7	62.9	64.5
Portugal	65.3	60.6	62.6	63.9	65.2
Romania	60.2	60.1	61.0	61.4	61.6
Slovakia	58.8	59.9	61.0	62.7	64.9
Slovenia	66.2	63.3	63.9	65.2	65.8
United Kingdom	69.4	70.5	71.9	72.7	73.5
Hungary	54.9	58.1	61.8	63.9	66.5
Finland	68.1	68.9	68.7	68.5	69.1
France	64.0	64.0	63.8	63.8	64.2
Croatia	57.4	52.5	54.6	56.0	56.9
Czech Republic	65.0	67.7	69.0	70.2	72.0
Sweden	72.1	74.4	74.9	75.5	76.2

Table 6.2. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>57.8</b>	<b>58.2</b>	<b>55.2</b>	<b>55.5</b>	<b>55.7</b>	<b>65.3</b>	<b>67.9</b>	<b>64.4</b>	<b>65.2</b>	<b>64.9</b>
<b>EU (28 countries)</b>	<b>58.2</b>	<b>58.8</b>	<b>59.5</b>	<b>60.4</b>	<b>61.4</b>	<b>70.1</b>	<b>69.4</b>	<b>70.1</b>	<b>70.8</b>	<b>71.8</b>
Austria	65.7	66.9	66.9	67.1	67.7	76.0	76.0	75.2	75.1	75.4
Belgium	56.5	57.2	57.9	58.0	58.1	67.4	66.4	65.8	65.5	66.5
Bulgaria	56.2	56.8	58.2	59.8	60.0	63.3	62.1	63.9	65.9	66.7
Greece	48.0	39.9	41.1	42.5	43.3	70.3	57.9	58.0	59.3	61.0
Denmark	71.1	70.0	69.8	70.4	72.0	75.6	75.0	75.8	76.6	77.7
Estonia	60.8	65.7	66.3	68.5	68.6	61.7	71.4	73.0	75.3	75.7
Ireland	55.8	55.9	56.7	57.9	59.5	63.5	65.1	66.9	68.7	70.2
Spain	52.8	50.3	51.2	52.7	54.3	64.8	59.2	60.7	62.9	64.8
Italy	46.1	46.5	46.8	47.2	48.1	67.5	64.7	64.7	65.5	66.5
Cyprus	63.0	56.9	58.6	59.0	59.0	75.3	67.0	66.0	66.7	68.3
Latvia	59.0	63.4	64.3	66.4	67.6	57.9	66.8	68.4	69.9	70.0
Lithuania	58.5	62.8	64.9	66.5	68.8	56.5	64.7	66.5	68.0	70.0
Luxembourg	57.2	59.1	60.5	60.8	60.4	73.1	72.1	72.6	71.3	70.5
Malta	39.5	47.0	49.5	51.0	52.6	72.5	74.1	74.9	76.2	78.3
Netherlands	69.3	69.0	68.1	69.2	70.1	80.0	78.2	78.1	79.0	79.6
Germany	66.2	69.0	69.5	69.9	70.8	76.3	78.0	78.1	78.0	78.5
Poland	52.6	53.4	55.2	56.6	58.1	65.3	66.6	68.2	69.2	71.0
Portugal	61.0	57.9	59.6	61.1	62.4	69.8	63.5	65.8	66.9	68.3
Romania	52.5	52.6	53.3	53.2	53.3	67.9	67.6	68.7	69.5	69.7
Slovakia	52.3	53.4	54.3	55.9	58.3	65.2	66.4	67.6	69.5	71.4
Slovenia	62.6	59.2	60.0	61.0	62.6	69.6	67.1	67.5	69.2	68.9
United Kingdom	64.5	65.8	67.1	67.9	68.8	74.4	75.4	76.8	77.6	78.3
Hungary	50.2	52.6	55.9	57.8	60.2	59.9	63.7	67.8	70.3	73.0
Finland	66.9	67.8	68.0	67.7	67.6	69.4	69.9	69.5	69.3	70.5
France	59.8	60.4	60.4	60.6	60.9	68.3	67.9	67.3	67.1	67.6
Croatia	52.1	48.5	50.0	51.6	52.4	62.7	56.5	59.1	60.3	61.4
Czech Republic	56.3	59.6	60.7	62.4	64.4	73.5	75.7	77.0	77.9	79.3
Sweden	69.7	72.5	73.1	74.0	74.8	74.6	76.3	76.5	77.0	77.5

**6.3. Employment rate of population aged 15-24 in Ukraine and EU countries, by sex**

(in percentage to the population of relevant age)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>33.6</b>	<b>32.5</b>	<b>29.5</b>	<b>28.2</b>	<b>27.0</b>
<b>EU (28 countries)</b>	<b>33.8</b>	<b>32.1</b>	<b>32.4</b>	<b>33.0</b>	<b>33.7</b>
Austria	52.8	53.1	52.1	51.3	51.0
Belgium	25.2	23.6	23.2	23.4	22.7
Bulgaria	24.3	21.2	20.7	20.3	19.8
Greece	20.1	11.8	13.3	13.0	13.0
Denmark	58.1	53.7	53.7	55.4	58.2
Estonia	25.3	32.4	33.3	36.3	37.5
Ireland	31.5	29.0	28.4	28.7	32.1
Spain	25.0	16.8	16.7	17.9	18.4
Italy	20.2	16.3	15.6	15.6	16.6
Cyprus	33.8	23.5	25.8	25.5	26.1
Latvia	25.4	30.2	32.5	34.5	32.8
Lithuania	18.3	24.6	27.6	28.3	30.2
Luxembourg	21.2	21.9	20.4	29.1	24.9
Malta	44.2	46.0	46.2	45.5	45.9
Netherlands	63.0	60.1	58.8	60.8	60.8
Germany	46.2	46.9	46.1	45.3	45.8
Poland	26.4	24.2	25.8	26.0	28.4
Portugal	27.9	21.7	22.4	22.8	23.9
Romania	24.3	22.9	22.5	24.5	22.3
Slovakia	20.6	20.4	21.8	23.3	25.2
Slovenia	34.1	26.5	26.8	29.6	28.6
United Kingdom	46.8	46.3	48.0	50.1	50.9
Hungary	18.3	20.1	23.5	25.7	28.1
Finland	38.8	41.5	41.4	40.5	41.7
France	30.1	28.4	28.0	27.9	27.8
Croatia	24.2	14.9	18.3	19.1	25.6
Czech Republic	25.2	25.6	27.1	28.4	28.6
Sweden	38.8	41.7	42.8	43.9	44.5

Table 6.3. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>29.3</b>	<b>28.3</b>	<b>25.2</b>	<b>24.8</b>	<b>24,4</b>	<b>37.7</b>	<b>36.5</b>	<b>33.6</b>	<b>31.3</b>	<b>29,6</b>
<b>EU (28 countries)</b>	<b>31.6</b>	<b>30.2</b>	<b>30.5</b>	<b>31.2</b>	<b>32,0</b>	<b>35.9</b>	<b>33.9</b>	<b>34.2</b>	<b>34.8</b>	<b>35,4</b>
Austria	48.9	49.8	49.9	48.7	49,0	56.6	56.4	54.3	54.0	52,9
Belgium	23.1	21.9	21.8	21.7	21,4	27.3	25.3	24.5	25.0	24,0
Bulgaria	21.2	18.4	17.3	16.5	16,3	27.3	24.0	24.0	24.0	23,1
Greece	16.1	9.1	10.9	10.9	11,3	24.2	14.6	15.8	15.2	14,7
Denmark	59.5	55.0	54.9	56.2	60,0	56.7	52.3	52.7	54.6	56,5
Estonia	24.1	30.7	33.3	33.1	36,1	26.5	34.0	33.4	39.4	38,8
Ireland	33.5	29.6	28.4	28.2	31,8	29.6	28.5	28.5	29.3	32,4
Spain	24.3	16.3	16.0	17.3	17,2	25.6	17.3	17.4	18.6	19,4
Italy	16.3	13.7	12.8	12.4	13,7	24.0	18.7	18.2	18.6	19,2
Cyprus	33.3	23.0	25.9	26.8	25,7	34.4	24.0	25.8	24.0	26,5
Latvia	24.3	27.0	28.3	31.9	31,6	26.5	33.3	36.5	37.1	34,0
Lithuania	17.4	21.5	24.1	25.7	27,8	19.1	27.6	31.0	30.8	32,5
Luxembourg	20.3	19.4	18.8	28.8	25,4	22.1	24.2	21.9	29.4	24,4
Malta	42.4	44.4	46.8	45.1	43,4	45.9	47.5	45.7	45.9	48,2
Netherlands	63.5	61.0	58.8	61.7	62,1	62.6	59.2	58.7	59.9	59,6
Germany	44.5	45.2	44.3	44.0	44,5	47.9	48.4	47.7	46.5	47,0
Poland	22.1	19.5	21.3	21.3	23,7	30.5	28.6	30.0	30.5	32,8
Portugal	26.0	20.4	21.9	21.5	22,3	29.7	22.9	22.9	24.1	25,5
Romania	19.9	18.6	18.0	19.3	17,1	28.5	27.0	26.6	29.4	27,2
Slovakia	17.4	16.2	16.5	18.0	18,2	23.8	24.4	26.8	28.4	31,9
Slovenia	30.0	23.0	24.0	27.1	26,1	37.6	29.7	29.5	32.0	31,1
United Kingdom	46.1	46.2	47.8	49.7	51,2	47.6	46.4	48.2	50.4	50,6
Hungary	16.6	17.0	20.5	23.1	24,6	19.9	23.0	26.4	28.1	31,5
Finland	39.9	43.9	43.0	42.8	43,3	37.7	39.1	39.8	38.1	40,1
France	27.1	25.6	25.8	26.0	25,8	33.2	31.0	30.2	29.9	29,8
Croatia	20.4	12.4	15.3	15.8	22,2	27.9	17.4	21.2	22.4	28,8
Czech Republic	20.6	21.0	21.6	23.4	23,2	29.6	29.9	32.3	33.1	33,8
Sweden	39.2	42.9	44.0	45.5	45,9	38.5	40.5	41.6	42.4	43,1

#### 6.4. Unemployment rate of population in Ukraine and EU countries, by sex

(in percentage to the economically active population aged 15-74, for Ukraine - aged 15-67)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>8,2</b>	<b>7,3</b>	<b>9,3</b>	<b>9,1</b>	<b>9,3</b>
<b>EU (28 countries)</b>	<b>9,6</b>	<b>10,9</b>	<b>10,2</b>	<b>9,4</b>	<b>8,5</b>
Austria	4,8	5,4	5,6	5,7	6,0
Belgium	8,3	8,4	8,5	8,5	7,8
Bulgaria	10,3	13,0	11,4	9,2	7,6
Greece	12,7	27,5	26,5	24,9	23,6
Denmark	7,5	7,0	6,6	6,2	6,2
Estonia	16,7	8,6	7,4	6,2	6,8
Ireland	13,9	13,1	11,3	9,4	7,9
Spain	19,9	26,1	24,5	22,1	19,6
Italy	8,4	12,1	12,7	11,9	11,7
Cyprus	6,3	15,9	16,1	15,0	13,1
Latvia	19,5	11,9	10,8	9,9	9,6
Lithuania	17,8	11,8	10,7	9,1	7,9
Luxembourg	4,6	5,9	6,0	6,5	6,3
Malta	6,9	6,4	5,8	5,4	4,7
Netherlands	5,0	7,3	7,4	6,9	6,0
Germany	7,0	5,2	5,0	4,6	4,1
Poland	9,7	10,3	9,0	7,5	6,2
Portugal	12,0	16,4	14,1	12,6	11,2
Romania	7,0	7,1	6,8	6,8	5,9
Slovakia	14,5	14,2	13,2	11,5	9,6
Slovenia	7,3	10,1	9,7	9,0	8,0
United Kingdom	7,8	7,6	6,1	5,3	4,8
Hungary	11,2	10,2	7,7	6,8	5,1
Finland	8,4	8,2	8,7	9,4	8,8
France	9,3	10,3	10,3	10,4	10,1
Croatia	11,8	17,4	17,2	16,1	13,3
Czech Republic	7,3	7,0	6,1	5,1	4,0
Sweden	8,6	8,0	7,9	7,4	6,9

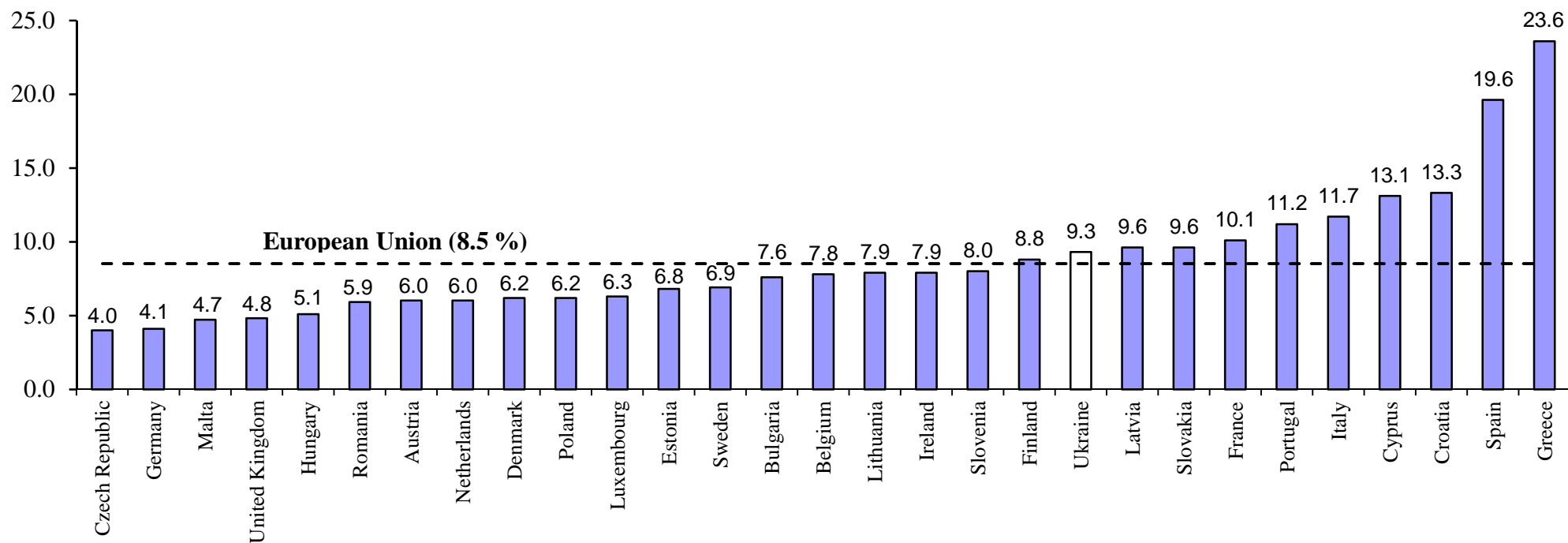
Table 6.4. continued

(in percentage to the economically active population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>6,9</b>	<b>6,3</b>	<b>7,5</b>	<b>8,1</b>	<b>7,7</b>	<b>9,4</b>	<b>8,1</b>	<b>10,8</b>	<b>10,1</b>	<b>10,8</b>
<b>EU (28 countries)</b>	<b>9,6</b>	<b>10,9</b>	<b>10,3</b>	<b>9,5</b>	<b>8,7</b>	<b>9,7</b>	<b>10,8</b>	<b>10,1</b>	<b>9,3</b>	<b>8,4</b>
Austria	4,6	5,3	5,4	5,3	5,6	5,0	5,4	5,9	6,1	6,5
Belgium	8,5	8,2	7,9	7,8	7,6	8,1	8,7	9,0	9,1	8,1
Bulgaria	9,6	11,8	10,4	8,4	7,0	10,9	13,9	12,3	9,8	8,1
Greece	16,4	31,4	30,2	28,9	28,1	10,1	24,5	23,7	21,8	19,9
Denmark	6,5	7,3	6,8	6,4	6,6	8,4	6,7	6,4	5,9	5,8
Estonia	14,1	8,2	6,8	6,1	6,1	19,3	9,1	7,9	6,2	7,4
Ireland	9,9	10,7	9,4	7,7	6,5	17,1	15,0	12,9	10,9	9,1
Spain	20,2	26,7	25,4	23,6	21,4	19,6	25,6	23,6	20,8	18,1
Italy	9,6	13,1	13,8	12,7	12,8	7,5	11,5	11,9	11,3	10,9
Cyprus	6,4	15,2	15,1	14,8	13,5	6,2	16,6	17,1	15,1	12,6
Latvia	16,3	11,1	9,8	8,6	8,4	22,7	12,6	11,8	11,1	10,9
Lithuania	14,5	10,5	9,2	8,2	6,7	21,2	13,1	12,2	10,1	9,1
Luxembourg	5,5	6,2	6,4	7,1	6,6	3,8	5,6	5,8	5,9	6,0
Malta	7,1	6,3	5,3	5,2	5,2	6,7	6,5	6,1	5,5	4,4
Netherlands	5,5	7,3	7,8	7,3	6,5	4,5	7,2	7,2	6,5	5,6
Germany	6,5	4,9	4,6	4,2	3,7	7,4	5,5	5,3	5,0	4,4
Poland	10,0	11,1	9,6	7,7	6,2	9,4	9,7	8,5	7,3	6,1
Portugal	12,2	16,6	14,5	12,9	11,3	11,9	16,3	13,8	12,4	11,1
Romania	6,2	6,3	6,1	5,8	5,0	7,6	7,7	7,3	7,5	6,6
Slovakia	14,7	14,5	13,6	12,9	10,7	14,3	14,0	12,8	10,3	8,8
Slovenia	7,1	10,9	10,6	10,1	8,6	7,5	9,5	9,0	8,1	7,5
United Kingdom	6,9	7,1	5,8	5,1	4,7	8,6	8,0	6,4	5,5	4,9
Hungary	10,7	10,1	7,9	7,0	5,1	11,6	10,2	7,6	6,6	5,1
Finland	7,6	7,5	8,0	8,8	8,6	9,1	8,8	9,3	9,9	9,0
France	9,5	10,2	10,0	9,9	9,9	9,0	10,4	10,6	10,8	10,2
Croatia	12,4	17,2	18,0	16,7	14,0	11,2	17,6	16,6	15,6	12,6
Czech Republic	8,5	8,3	7,4	6,1	4,7	6,4	5,9	5,1	4,2	3,4
Sweden	8,5	7,9	7,7	7,3	6,5	8,7	8,2	8,2	7,5	7,3

### 6.5. ILO unemployment rate in Ukraine and EU countries, 2016

*(in % to the economically active population aged 15-74, for Ukraine - aged 15-70)*



**6.6. Unemployment rate of population aged 15-64 in Ukraine and EU countries, by sex**

(in percentage to the economically active population of relevant age)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>8.4</b>	<b>7.4</b>	<b>9.4</b>	<b>9.2</b>	<b>9.5</b>
<b>EU (28 countries)</b>	<b>9.7</b>	<b>11.0</b>	<b>10.4</b>	<b>9.6</b>	<b>8.7</b>
Austria	4.9	5.4	5.7	5.8	6.1
Belgium	8.4	8.5	8.6	8.6	7.9
Bulgaria	10.3	13.0	11.5	9.2	7.7
Greece	12.9	27.7	26.7	25.1	23.7
Denmark	7.6	7.2	6.8	6.3	6.3
Estonia	17.1	8.9	7.5	6.3	7.0
Ireland	14.1	13.3	11.5	9.6	8.1
Spain	20.0	26.2	24.6	22.2	19.7
Italy	8.5	12.3	12.9	12.1	11.9
Cyprus	6.5	16.1	16.3	15.2	13.2
Latvia	19.8	12.1	11.1	10.1	9.9
Lithuania	18.1	12.0	10.9	9.3	8.1
Luxembourg	4.4	5.9	5.9	6.7	6.3
Malta	6.9	6.5	5.9	5.5	4.8
Netherlands	4.5	7.3	7.5	6.9	6.1
Germany	7.1	5.3	5.1	4.7	4.2
Poland	9.7	10.5	9.1	7.6	6.2
Portugal	11.4	17.0	14.5	12.9	11.5
Romania	7.3	7.4	7.1	7.0	6.1
Slovakia	14.4	14.3	13.2	11.5	9.7
Slovenia	7.4	10.3	9.9	9.1	8.1
United Kingdom	7.9	7.7	6.3	5.4	4.9
Hungary	11.3	10.2	7.8	6.8	5.1
Finland	8.5	8.3	8.8	9.6	9.0
France	8.9	10.0	10.4	10.4	10.1
Croatia	11.9	17.5	17.5	16.4	13.3
Czech Republic	7.4	7.0	6.2	5.1	4.0
Sweden	8.8	8.2	8.1	7.6	7.1



Table 6.6. continued

(in percentage to the economically active population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>7.1</b>	<b>6.5</b>	<b>7.6</b>	<b>8.2</b>	<b>7.8</b>	<b>9.6</b>	<b>8.2</b>	<b>10.9</b>	<b>10.2</b>	<b>10.9</b>
<b>EU (28 countries)</b>	<b>9.6</b>	<b>11.0</b>	<b>10.5</b>	<b>9.6</b>	<b>8.9</b>	<b>9.7</b>	<b>11.0</b>	<b>10.3</b>	<b>9.5</b>	<b>8.5</b>
Austria	4.7	5.4	5.5	5.4	5.6	5.1	5.5	5.9	6.2	6.6
Belgium	8.6	8.2	8.0	7.8	7.6	8.2	8.7	9.1	9.2	8.1
Bulgaria	9.6	11.9	10.4	8.5	7.0	11.0	14.1	12.5	9.9	8.2
Greece	16.5	31.6	30.4	29.1	28.3	10.2	24.7	23.8	21.9	19.9
Denmark	6.5	7.4	6.9	6.5	6.8	8.5	6.9	6.6	6.1	6.0
Estonia	14.5	8.5	7.0	6.2	6.3	19.7	9.2	8.0	6.3	7.6
Ireland	9.9	10.8	9.5	7.7	6.6	17.5	15.4	13.2	11.2	9.3
Spain	20.3	26.8	25.5	23.7	21.5	19.7	25.7	23.7	20.9	18.2
Italy	9.7	13.2	13.9	12.8	12.9	7.6	11.7	12.1	11.6	11.1
Cyprus	6.5	15.3	15.2	14.9	13.7	6.4	16.8	17.5	15.4	12.8
Latvia	16.6	11.4	10.1	8.8	8.6	23.0	12.8	12.1	11.4	11.2
Lithuania	14.7	10.6	9.4	8.4	6.8	21.5	13.4	12.4	10.3	9.3
Luxembourg	5.1	6.4	5.8	7.4	6.6	3.8	5.5	6.0	6.2	6.0
Malta	7.2	6.3	5.3	5.2	5.2	6.8	6.6	6.2	5.6	4.5
Netherlands	4.5	7.4	7.8	7.3	6.5	4.5	7.3	7.2	6.6	5.6
Germany	6.6	5.0	4.7	4.3	3.8	7.5	5.6	5.4	5.1	4.5
Poland	10.1	11.2	9.7	7.8	6.3	9.5	9.8	8.6	7.4	6.2
Portugal	12.5	17.0	14.8	13.1	11.5	10.4	17.0	14.2	12.8	11.5
Romania	6.5	6.6	6.4	6.1	5.2	7.8	8.0	7.6	7.7	6.8
Slovakia	14.6	14.6	13.7	13.0	10.8	14.3	14.0	12.9	10.4	8.8
Slovenia	7.2	11.1	10.8	10.2	8.7	7.6	9.6	9.1	8.2	7.6
United Kingdom	7.0	7.2	6.0	5.2	4.8	8.7	8.2	6.5	5.6	5.1
Hungary	10.7	10.2	8.0	7.1	5.1	11.7	10.3	7.6	6.6	5.2
Finland	7.7	7.6	8.1	9.0	8.7	9.3	9.0	9.6	10.2	9.3
France	9.1	9.8	10.1	10.0	9.9	8.7	10.1	10.6	10.9	10.4
Croatia	12.6	17.0	18.4	17.1	13.9	11.3	18.0	16.6	15.8	12.7
Czech Republic	8.5	8.4	7.5	6.2	4.8	6.5	6.0	5.2	4.3	3.4
Sweden	8.6	8.0	7.8	7.4	6.7	8.9	8.4	8.5	7.8	7.6

**6.7. Unemployment rate of population aged 15-24 in Ukraine and EU countries, by sex**

(in percentage to the economically active population of relevant age)

	2010	2013	2014	2015	2016
<b>Total</b>					
<b>Ukraine</b>	<b>17.2</b>	<b>17.0</b>	<b>23.1</b>	<b>22.4</b>	<b>23.0</b>
<b>EU (28 countries)</b>	<b>21.0</b>	<b>23.7</b>	<b>22.2</b>	<b>20.3</b>	<b>18.7</b>
Austria	9.5	9.7	10.3	10.6	11.2
Belgium	22.4	23.7	23.2	22.1	20.1
Bulgaria	21.9	28.4	23.8	21.6	17.2
Greece	33.0	58.3	52.4	49.8	47.3
Denmark	14.0	13.1	12.6	10.8	12.0
Estonia	32.9	18.7	15.0	13.1	13.4
Ireland	27.6	26.8	23.9	20.9	17.2
Spain	41.5	55.5	53.2	48.3	44.4
Italy	27.9	40.0	42.7	40.3	37.8
Cyprus	16.6	38.9	36.0	32.8	29.1
Latvia	36.2	23.2	19.6	16.3	17.3
Lithuania	35.7	21.9	19.3	16.3	14.5
Luxembourg	14.2	15.5	22.6	17.3	18.9
Malta	13.2	13.0	11.7	11.8	11.1
Netherlands	8.7	13.2	12.7	11.3	10.8
Germany	9.8	7.8	7.7	7.2	7.0
Poland	23.7	27.3	23.9	20.8	17.7
Portugal	22.8	38.1	34.8	32.0	28.0
Romania	22.1	23.7	24.0	21.7	20.6
Slovakia	33.6	33.7	29.7	26.5	22.2
Slovenia	14.7	21.6	20.2	16.3	15.2
United Kingdom	19.9	20.7	17.0	14.6	13.0
Hungary	26.4	26.6	20.4	17.3	12.9
Finland	21.4	19.9	20.5	22.4	20.1
France	22.5	24.1	24.2	24.7	24.6
Croatia	32.4	50.0	45.5	42.3	31.3
Czech Republic	18.3	19.0	15.9	12.6	10.5
Sweden	24.8	23.5	22.9	20.4	18.9

Table 6.7. continued

(in percentage to the economically active population of relevant age)

	Women					Men				
	2010	2013	2014	2015	2016	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>16.8</b>	<b>16.2</b>	<b>22.4</b>	<b>21.9</b>	<b>21.5</b>	<b>17.5</b>	<b>17.5</b>	<b>23.7</b>	<b>22.7</b>	<b>24.0</b>
<b>EU (28 countries)</b>	<b>20.2</b>	<b>22.9</b>	<b>21.4</b>	<b>19.5</b>	<b>17.9</b>	<b>21.8</b>	<b>24.3</b>	<b>22.9</b>	<b>21.0</b>	<b>19.4</b>
Austria	9.4	10.0	9.9	10.0	10.2	9.6	9.4	10.6	11.1	12.1
Belgium	22.4	22.5	22.3	20.0	18.2	22.4	24.7	24.0	23.8	21.7
Bulgaria	20.1	25.7	23.7	22.3	16.9	23.2	30.2	23.8	21.2	17.4
Greece	40.3	63.8	58.1	55.0	50.7	26.8	53.8	47.4	45.2	44.3
Denmark	11.8	11.8	11.5	10.1	10.9	16.1	14.3	13.7	11.6	13.1
Estonia	29.5	19.7	10.0	12.2	10.6	35.7	17.8	19.3	13.8	15.8
Ireland	21.2	23.5	20.9	17.6	14.6	33.7	29.8	26.6	23.6	19.5
Spain	39.6	54.6	52.9	48.0	44.9	43.1	56.2	53.4	48.6	44.0
Italy	29.4	41.5	44.7	42.6	39.6	26.9	39.0	41.3	38.8	36.5
Cyprus	17.2	36.8	34.6	31.1	32.1	15.9	41.1	37.4	34.7	25.7
Latvia	34.8	24.9	20.0	14.2	12.1	37.3	21.8	19.4	18.0	21.4
Lithuania	31.6	20.4	18.7	16.6	12.6	39.0	23.0	19.6	16.0	15.9
Luxembourg	10.2	10.9	18.1	15.7	18.0	17.6	18.7	26.1	18.9	19.7
Malta	11.8	10.4	9.6	9.4	11.0	14.4	15.2	13.7	13.9	11.2
Netherlands	8.6	12.9	13.1	11.2	10.3	8.8	13.5	12.4	11.3	11.4
Germany	8.8	7.1	7.1	6.5	6.1	10.7	8.5	8.3	7.9	7.8
Poland	25.4	30.1	25.5	20.9	18.0	22.4	25.4	22.7	20.7	17.4
Portugal	24.0	39.6	35.4	34.5	28.8	21.6	36.7	34.2	29.6	27.2
Romania	22.1	24.6	24.7	23.4	21.8	22.1	23.2	23.6	20.6	19.9
Slovakia	31.9	31.6	30.1	27.5	26.3	34.6	34.9	29.5	25.8	19.8
Slovenia	13.8	23.7	21.3	14.6	14.7	15.2	20.1	19.4	17.7	15.6
United Kingdom	17.6	18.1	14.8	12.9	11.1	22.0	23.0	18.9	16.2	14.7
Hungary	24.7	27.9	20.9	16.0	12.9	27.8	25.6	20.0	18.3	12.9
Finland	19.0	17.1	18.4	19.7	18.6	23.8	22.9	22.8	25.4	21.8
France	23.0	24.4	23.1	23.3	24.1	22.2	23.8	25.2	25.8	25.1
Croatia	33.6	50.2	46.4	43.7	31.3	31.5	49.9	44.9	41.4	31.2
Czech Republic	18.5	19.4	17.1	14.4	11.4	18.2	18.6	15.0	11.3	9.9
Sweden	23.6	22.3	21.5	19.6	17.3	25.9	24.8	24.2	21.2	20.5

# **REGISTERED LABOUR MARKET**

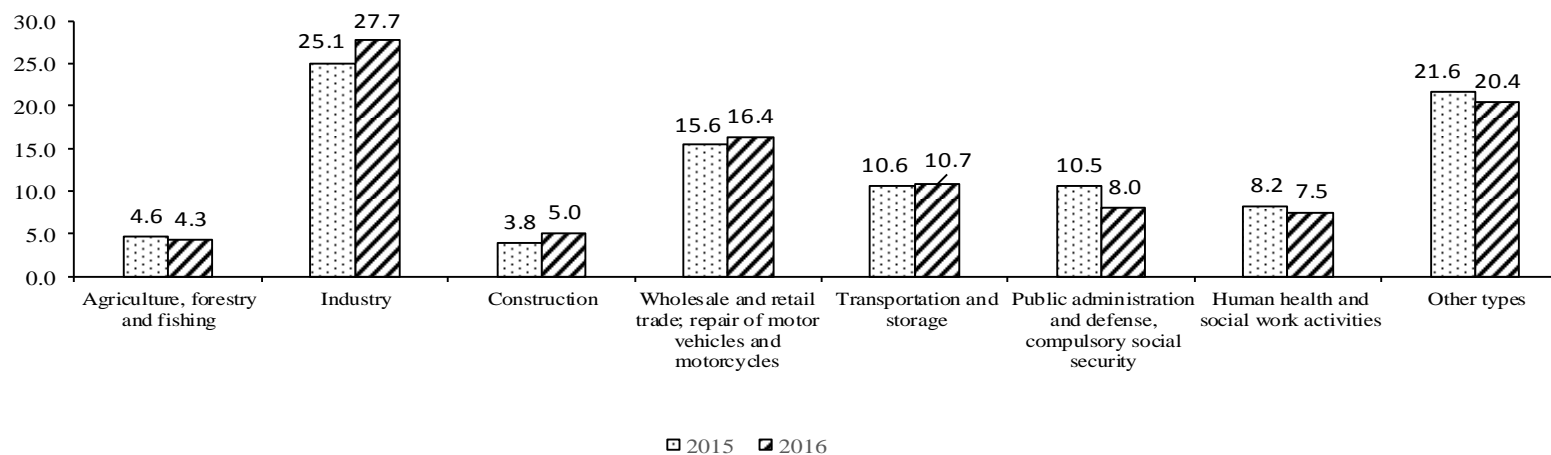
## **SECTION 7**

## 7.1. Demand, supply and job placement of labour force by type of economic activity, 2016

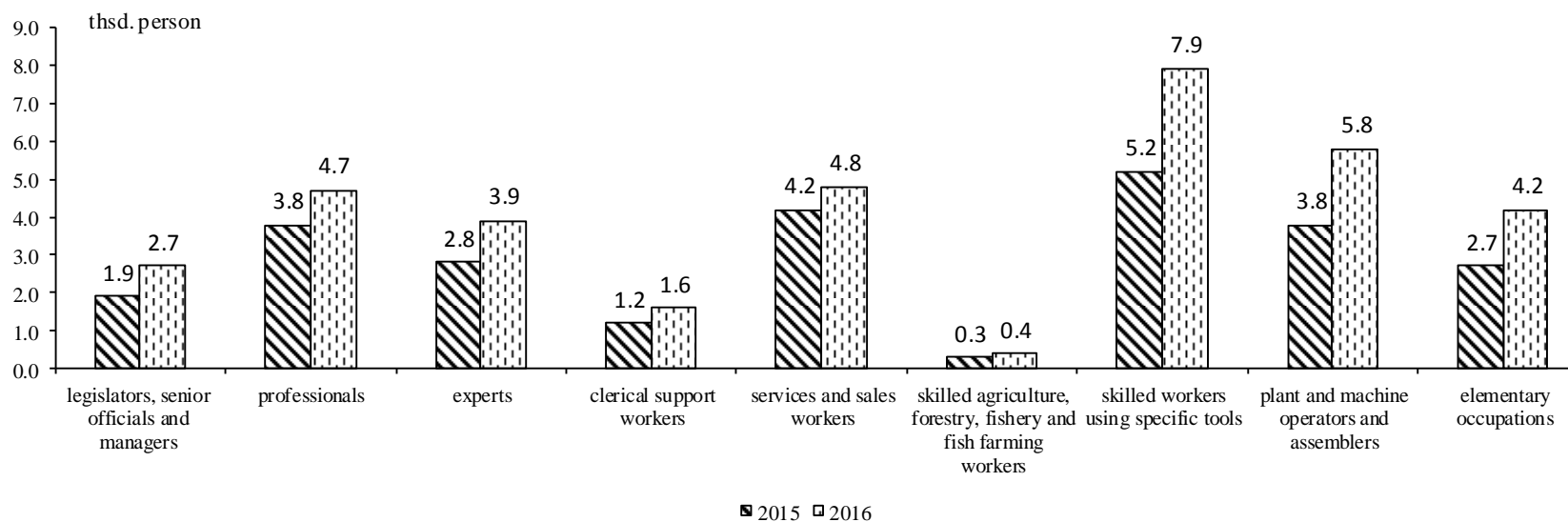
	At the end of year					Placement of registered unemployed during year	
	Number of registered unemployed <sup>1</sup>		Demand of employers for employees		Load of registered unemployed per one vacancy, prs.		
	thsd. prs.	in percentage to 2015	thsd. prs.	in percentage to the total		thsd. prs.	in percentage to the total
<b>Total</b>	<b>390.8</b>	<b>79.6</b>	<b>36.0</b>	<b>100.0</b>	<b>11</b>	<b>409.0</b>	<b>100.0</b>
Agriculture, forestry and fishing	90.9	88.4	1.5	4.3	59	110.1	26.9
Industry	58.3	77.2	10.0	27.7	6	91.7	22.4
of which:							
mining and quarrying	4.2	82.4	0.6	1.6	7	5.9	1.5
manufacturing	45.3	74.4	7.8	21.7	6	66.8	16.3
Construction	8.1	79.0	1.8	5.0	4	12.0	2.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	44.7	73.2	5.9	16.4	8	61.7	15.1
Transportation and storage	13.2	78.7	3.8	10.7	3	18.0	4.4
Accommodation and food service activities	6.3	69.1	0.9	2.5	7	11.2	2.8
Information and communication	4.9	62.5	0.4	1.1	12	3.0	0.7
Financial and insurance activities	12.1	58.1	0.5	1.3	26	4.3	1.1
Real estate activities	2.9	68.6	0.6	1.6	5	3.4	0.8
Professional, scientific and technical activities	5.9	73.0	0.8	2.4	7	6.0	1.5
Administrative and support service activities	6.4	78.4	1.4	3.8	5	8.1	2.0
Public administration and defense, compulsory social security	64.9	113.8	2.9	8.0	23	27.4	6.7
Education	7.2	82.0	2.0	5.5	4	26.8	6.6
Human health and social work activities	10.9	85.0	2.7	7.5	4	18.1	4.4
Arts, entertainment and recreation	1.6	75.5	0.4	1.0	4	2.6	0.6
Other services	3.0	73.2	0.4	1.2	7	4.6	1.1
Persons who have not previously worked	49.5	60.9					

<sup>1</sup> Distribution of registered unemployed by type of economic activity carried out by persons who previously were employed (working at enterprises, institutions, organizations, etc.).

### 7.2. Demand of employers for employees, by type of economic activity, 2015-2016 in percentage to the total number of vacant work places, at the end of year



### 7.3. Demand of employers for employees, by occupational group, 2015-2016



## 7.4. Labour force demand, by region

(thsd. prs; at the end of year)

	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>60.1</b>	<b>42.5</b>	<b>35.3</b>	<b>25.9</b>	<b>36.0</b>
Vinnitsia	0.6	0.3	0.4	0.4	0.5
Volyn	0.8	0.5	0.5	0.8	1.6
Dnipropetrovsk	7.7	7.5	5.9	2.7	3.4
Donetsk	2.9	2.1	1.1	0.4	0.4
Zhytomyr	1.8	1.8	1.7	1.3	1.6
Zakarpattia	0.9	0.5	0.5	0.2	0.4
Zaporizhia	1.6	1.0	0.4	0.2	0.5
Ivano-Frankivsk	0.2	0.5	0.3	0.5	0.5
Kyiv	3.2	2.2	1.8	1.9	2.3
Kirovohrad	0.6	0.8	0.6	0.6	1.5
Luhansk	2.0	0.7	0.2	0.1	0.4
Lviv	2.3	1.1	1.0	1.5	2.8
Mykolaiv	1.1	1.3	1.0	1.0	1.4
Odesa	2.6	2.2	2.5	1.8	2.7
Poltava	1.8	2.4	1.7	1.4	1.8
Rivne	0.8	1.1	0.8	0.7	0.9
Sumy	0.7	0.8	0.7	0.7	1.0
Ternopil	0.9	1.2	1.3	1.0	1.1
Kharkiv	3.3	3.7	2.6	2.2	2.8
Kherson	1.1	0.8	0.6	0.4	0.4
Khmelnysk	0.4	0.2	0.2	0.4	0.6
Cherkasy	0.3	0.5	0.4	0.6	0.5
Chernivtsi	0.7	0.5	0.4	0.5	0.7
Chernihiv	0.9	1.3	1.3	0.6	0.7
Kyiv city	20.9	7.5	7.4	4.0	5.5

## 7.5. Load of registered unemployed per one vacancy, by region

	(person; at the end of year)				
	2010	2013	2014	2015	2016
<b>Ukraine</b>	<b>9</b>	<b>11</b>	<b>14</b>	<b>19</b>	<b>11</b>
Vinnytsia	49	78	61	62	52
Volyn	17	21	22	15	6
Dnipropetrovsk	5	4	6	14	9
Donetsk	11	16	25	60	35
Zhytomyr	13	10	11	17	11
Zakarpattia	15	16	18	37	14
Zaporizhia	17	24	86	185	46
Ivano-Frankivsk	74	33	52	27	21
Kyiv	5	7	11	11	7
Kirovohrad	31	23	36	39	11
Luhansk	11	31	101	140	23
Lviv	12	21	26	16	6
Mykolaiv	18	14	20	19	12
Odesa	8	6	7	9	5
Poltava	20	10	18	21	14
Rivne	25	15	20	24	16
Sumy	31	21	26	27	15
Ternopil	21	14	13	13	9
Kharkiv	10	7	12	13	8
Kherson	10	16	27	35	28
Khmelnysk	53	76	75	44	28
Cherkasy	89	43	65	41	43
Chernivtsi	16	19	23	17	11
Chernihiv	21	11	12	25	17
Kyiv city	0,3	1	2	4	2



## 7.6. Demand and supply of labour force, by occupational group

(at the end of year)

	Number of registered unemployed, thsd. prs.		Demand of employers for employees, thsd. prs.		Load of registered unemployed per one vacancy, prs.	
	2015	2016	2015	2016	2015	2016
<b>Total</b>	<b>490.8</b>	<b>390.8</b>	<b>25.9</b>	<b>36.0</b>	<b>19</b>	<b>11</b>
including:						
legislators, senior officials and managers	67.1	64.5	1.9	2.7	35	24
professionals	43.0	33.2	3.8	4.7	11	7
experts	49.3	36.6	2.8	3.9	17	9
clerical support workers	30.2	20.4	1.2	1.6	26	12
services and sales workers	73.8	54.9	4.2	4.8	18	11
skilled agriculture, forestry, fishery and fish farming workers	24.3	21.7	0.3	0.4	74	55
skilled workers using specific tools	48.9	35.9	5.2	7.9	9	5
plant and machine operators, and assemblers	82.4	70.4	3.8	5.8	22	12
elementary occupations <sup>1</sup>	71.8	53.2	2.7	4.2	26	13

<sup>1</sup> Including persons with no occupation.

## 7.7. Registered unemployed, by level of education and reason of unemployment

	(thsd. prs; at the end of year)				
	2010	2013	2014	2015	2016
<b>Total</b>	<b>524.1</b>	<b>469.0</b>	<b>512.2</b>	<b>490.8</b>	<b>390.8</b>
of which:					
women	282.2	244.8	275.4	276.8	196.6
including by level of education:					
complete higher	92.9	102.5	124.3	117.0	93.4
basic higher	111.0	97.9	103.8	99.1	74.1
vocational	183.1	170.9	181.2	174.0	143.1
secondary	115.5	79.2	83.0	80.6	64.4
basic secondary	21.0	17.9	19.0	19.0	15.0
primary	0.6	0.6	0.9	1.1	0.8
including:					
persons who did not work less than 1 year - total	461.0	420.4	449.0	425.8	348.8
by cause of unemployment:					
layoffs due to changes in organization of production and servicemen sacked because of cuts in numbers or staff without the right to pension	33.0	31.4	30.4	33.1	25.7
dismissed at own will	60.4	50.2	51.2	45.0	33.7
leavers of secondary comprehensive schools	2.6	í	í	í	í
graduates of vocational training schools	10.7	í	í	í	í
graduates of higher educational institutions	18.3	í	í	í	í
laid off by agreement of parties	206.7	204.9	226.6	196.4	156.6
layoffs due to the end of contract	108.1	92.9	93.7	85.4	72.3
persons who did not work more than 1 year through different causes	63.1	48.6	63.2	65.0	42.0

## 7.8. Registered unemployed, by sex, place of residence and region

(average for the period)

	2010		2013		2014		2015		2016	
	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age
<b>Total</b>										
<b>Ukraine</b>	<b>436.8</b>	<b>2.3</b>	<b>470.3</b>	<b>2.4</b>	<b>458.6</b>	<b>2.4</b>	<b>461.1</b>	<b>2.7</b>	<b>407.2</b>	<b>2.4</b>
Vinnitsia	22.0	3.2	25.5	3.6	23.9	3.4	23.6	3.3	23.2	3.3
Volyn	12.4	2.8	12.2	2.7	11.4	2.6	11.5	2.7	11.0	2.6
Dnipropetrovsk	29.1	1.9	32.2	2.1	32.0	2.1	34.8	2.2	32.5	2.2
Donetsk	31.7	1.6	33.1	1.6	33.5	1.8	22.5	2.6	18.6	2.2
Zhytomyr	20.4	3.7	20.2	3.6	18.8	3.5	20.5	3.8	18.9	3.5
Zakarpattia	12.1	2.2	12.6	2.3	9.7	1.8	9.0	1.6	7.3	1.3
Zaporizhia	21.0	2.6	22.6	2.8	23.5	2.9	26.9	3.4	23.2	2.9
Ivano-Frankivsk	14.9	2.8	16.6	2.9	15.9	2.8	14.9	2.6	12.6	2.2
Kyiv	14.8	2.0	16.7	2.2	17.0	2.2	19.6	2.5	16.5	2.1
Kirovohrad	14.6	3.4	16.4	3.8	16.7	4.0	18.9	4.5	16.9	4.1
Luhansk	16.1	1.6	20.8	2.1	18.8	2.0	9.7	2.8	8.2	2.4
Lviv	23.3	2.1	25.9	2.3	24.1	2.2	23.2	2.1	20.0	1.8
Mykolaiv	14.9	2.8	17.2	3.2	16.5	3.1	17.1	3.2	16.3	3.0
Odesa	14.1	1.4	14.3	1.4	12.8	1.2	13.8	1.3	12.4	1.2
Poltava	25.7	3.9	22.9	3.5	23.0	3.5	27.1	4.2	23.5	3.7
Rivne	17.1	3.5	17.4	3.5	16.8	3.5	17.1	3.5	14.9	3.1
Sumy	17.4	3.4	16.5	3.3	16.6	3.3	17.4	3.5	14.8	3.0
Ternopil	12.5	2.9	15.3	3.4	15.2	3.4	12.4	2.8	11.1	2.5
Kharkiv	27.1	2.1	26.8	2.1	26.4	2.1	27.4	2.1	24.1	1.9
Kherson	8.6	1.7	11.5	2.3	11.8	2.4	12.9	2.7	10.9	2.2
Khmelnysk	16.6	2.9	16.0	2.8	16.1	2.9	15.0	2.8	14.5	2.7
Cherkasy	19.9	3.4	22.8	3.9	21.6	3.8	23.9	4.2	20.1	3.5
Chernivtsi	9.3	2.6	10.3	2.8	9.4	2.6	8.6	2.4	8.1	2.2
Chernihiv	15.7	3.3	15.0	3.2	14.4	3.1	15.7	3.4	13.6	3.0
Kyiv city	5.5	0.4	9.5	0.7	12.7	0.9	17.6	1.3	14.0	1.0

Table 7.8. continued

	2010		2013		2014		2015		2016	
	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age
<b>Women</b>										
<b>Ukraine</b>	<b>243.9</b>	<b>2.7</b>	<b>257.0</b>	<b>2.8</b>	<b>250.2</b>	<b>2.8</b>	<b>274.7</b>	<b>3.4</b>	<b>225.1</b>	<b>2.8</b>
Vinnitsia	11.6	3.6	12.6	3.9	11.8	3.6	12.8	3.9	11.4	3.4
Volyn	6.5	3.2	6.7	3.1	6.3	3.0	6.9	3.4	5.8	3.0
Dnipropetrovsk	17.2	2.4	18.7	2.6	18.6	2.5	22.2	2.9	19.1	2.6
Donetsk	20.3	2.1	19.9	2.0	19.4	2.1	14.0	3.6	10.9	2.8
Zhytomyr	11.3	4.4	11.0	4.2	10.2	4.1	11.7	4.6	10.0	3.8
Zakarpattia	7.5	3.1	7.8	3.1	6.0	2.3	6.2	2.5	4.7	2.0
Zaporizhia	11.7	3.1	11.8	3.1	12.6	3.2	15.9	4.3	13.1	3.5
Ivano-Frankivsk	8.3	3.4	9.3	3.7	9.1	3.8	9.5	3.7	7.3	2.9
Kyiv	8.4	2.5	9.5	2.7	9.8	2.7	12.1	3.3	9.3	2.5
Kirovohrad	8.0	3.9	8.7	4.3	8.8	4.4	10.7	5.4	9.3	4.7
Luhansk	10.0	2.1	12.1	2.6	10.8	2.4	6.1	3.7	4.7	2.9
Lviv	13.0	2.6	14.4	2.8	13.5	2.7	14.4	2.8	11.3	2.2
Mykolaiv	8.1	3.3	9.1	3.7	8.9	3.7	10.0	3.9	9.0	3.6
Odesa	7.5	1.6	7.2	1.6	6.6	1.5	8.0	1.7	6.7	1.5
Poltava	13.7	4.4	12.0	3.8	11.8	3.8	15.0	4.9	12.4	4.1
Rivne	9.1	4.0	9.6	4.1	9.3	4.1	9.9	4.2	7.9	3.6
Sumy	9.4	3.9	9.1	3.7	8.9	3.8	10.4	4.3	8.2	3.4
Ternopil	6.2	3.0	7.4	3.6	7.3	3.5	7.0	3.2	5.8	2.6
Kharkiv	15.6	2.7	15.0	2.5	14.8	2.5	17.2	2.9	14.2	2.3
Kherson	5.0	2.3	6.3	2.9	6.4	2.9	7.4	3.3	5.9	2.7
Khmelnitsk	8.6	3.3	8.1	3.1	8.0	3.1	8.4	3.3	7.4	2.9
Cherkasy	10.8	3.9	12.0	4.4	11.5	4.3	13.8	5.2	11.0	4.0
Chernivtsi	4.5	2.9	5.0	3.3	4.5	2.9	4.6	2.8	3.9	2.4
Chernihiv	8.3	3.7	7.9	3.4	7.6	3.4	8.9	4.0	7.3	3.3
Kyiv city	3.3	0.5	5.8	0.9	7.7	1.2	11.6	1.7	8.5	1.3

Table 7.8. continued

	2010		2013		2014		2015		2016	
	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age
<b>Men</b>										
<b>Ukraine</b>	<b>192.9</b>	<b>1.9</b>	<b>213.3</b>	<b>2.1</b>	<b>208.4</b>	<b>2.1</b>	<b>186.4</b>	<b>2.0</b>	<b>182.1</b>	<b>2.0</b>
Vinnitsia	10.4	2.8	12.9	3.4	12.1	3.2	10.8	2.8	11.8	3.2
Volyn	5.9	2.5	5.5	2.3	5.1	2.3	4.6	2.0	5.2	2.3
Dnipropetrovsk	11.9	1.5	13.5	1.6	13.4	1.7	12.6	1.6	13.4	1.7
Donetsk	11.4	1.1	13.2	1.3	14.1	1.4	8.5	1.9	7.7	1.7
Zhytomyr	9.1	3.1	9.2	3.1	8.6	3.0	8.8	3.1	8.9	3.2
Zakarpattia	4.6	1.5	4.8	1.6	3.7	1.2	2.8	0.9	2.6	0.8
Zaporizhia	9.3	2.1	10.8	2.5	10.9	2.6	11.0	2.6	10.1	2.4
Ivano-Frankivsk	6.6	2.3	7.3	2.3	6.8	2.1	5.4	1.7	5.3	1.6
Kyiv	6.4	1.6	7.2	1.7	7.2	1.8	7.5	1.8	7.2	1.8
Kirovohrad	6.6	2.9	7.7	3.3	7.9	3.6	8.2	3.7	7.6	3.4
Luhansk	6.1	1.1	8.7	1.6	8.0	1.6	3.6	2.0	3.5	2.0
Lviv	10.3	1.7	11.5	1.9	10.6	1.8	8.8	1.5	8.7	1.4
Mykolaiv	6.8	2.3	8.1	2.7	7.6	2.6	7.1	2.5	7.3	2.6
Odesa	6.6	1.2	7.1	1.2	6.2	1.0	5.8	1.0	5.7	1.0
Poltava	12.0	3.4	10.9	3.1	11.2	3.2	12.1	3.5	11.1	3.3
Rivne	8.0	3.1	7.8	2.9	7.5	2.9	7.2	2.8	7.0	2.7
Sumy	8.0	3.0	7.4	2.9	7.7	2.9	7.0	2.7	6.6	2.6
Ternopil	6.3	2.7	7.9	3.3	7.9	3.4	5.4	2.3	5.3	2.3
Kharkiv	11.5	1.7	11.8	1.7	11.6	1.7	10.2	1.5	9.9	1.5
Kherson	3.6	1.3	5.2	1.9	5.4	2.0	5.5	2.1	5.0	1.9
Khmelnysk	8.0	2.6	7.9	2.6	8.1	2.8	6.6	2.3	7.1	2.4
Cherkasy	9.1	3.0	10.8	3.5	10.1	3.4	10.1	3.4	9.1	3.1
Chernivtsi	4.8	2.4	5.3	2.5	4.9	2.4	4.0	2.1	4.2	2.1
Chernihiv	7.4	3.1	7.1	3.0	6.8	2.9	6.8	2.8	6.3	2.7
Kyiv city	2.2	0.3	3.7	0.5	5.0	0.7	6.0	0.9	5.5	0.8

Table 7.8 continued

	2010		2013		2014		2015		2016	
	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age
<b>Urban settlements</b>										
<b>Ukraine</b>	<b>269.4</b>	<b>2.0</b>	<b>284.8</b>	<b>2.1</b>	<b>283.0</b>	<b>2.1</b>	<b>288.6</b>	<b>2.4</b>	<b>241.1</b>	<b>2.0</b>
Vinnitsia	9.7	2.8	10.3	2.9	9.9	2.7	10.2	2.7	9.5	2.6
Volyn	7.4	3.4	7.4	3.3	6.8	2.9	6.8	2.9	6.1	2.6
Dnipropetrovsk	23.3	1.8	24.6	1.8	24.8	1.9	27.7	2.1	25.4	2.0
Donetsk	28.1	1.5	28.0	1.5	28.7	1.6	18.8	2.6	15.0	2.1
Zhytomyr	11.3	3.6	10.7	3.3	10.0	3.1	10.9	3.3	9.5	2.9
Zakarpattia	4.5	2.0	5.1	2.2	3.8	1.7	3.5	1.6	2.8	1.3
Zaporizhia	15.7	2.5	15.6	2.5	16.8	2.7	19.8	3.2	16.4	2.6
Ivano-Frankivsk	7.1	2.9	7.7	3.1	7.3	2.9	6.8	2.5	5.4	2.0
Kyiv	9.0	1.9	10.2	2.1	10.5	2.0	12.5	2.4	10.0	2.0
Kirovohrad	8.5	3.0	9.1	3.3	9.3	3.4	11.1	4.0	9.3	3.4
Luhansk	12.6	1.5	16.6	1.9	15.0	1.8	7.0	3.0	5.4	2.3
Lviv	13.1	1.9	15.5	2.2	14.5	2.1	14.1	2.0	11.7	1.6
Mykolaiv	8.6	2.4	10.0	2.7	9.7	2.7	10.3	2.8	9.0	2.5
Odesa	6.9	1.0	6.9	1.0	6.3	0.9	7.1	1.0	6.0	0.9
Poltava	13.6	3.3	11.4	2.8	11.9	2.9	14.7	3.5	12.1	3.0
Rivne	8.1	3.5	8.5	3.7	8.2	3.6	8.4	3.6	6.8	2.9
Sumy	11.7	3.2	11.0	3.2	11.0	3.2	12.1	3.5	9.7	2.8
Ternopil	5.9	2.9	7.3	3.6	7.3	3.3	6.0	2.5	4.8	2.0
Kharkiv	19.2	1.9	18.1	1.7	18.3	1.7	19.7	1.9	16.8	1.6
Kherson	5.4	1.9	7.1	2.5	7.4	2.6	8.2	2.9	6.3	2.2
Khmelnysk	9.0	2.8	8.5	2.5	8.3	2.5	8.1	2.5	7.2	2.2
Cherkasy	11.2	3.3	12.2	3.6	11.9	3.5	13.9	4.1	10.6	3.1
Chernivtsi	3.5	3.2	4.0	3.0	3.7	2.4	3.6	2.3	3.3	2.2
Chernihiv	10.5	3.5	9.8	3.2	9.4	3.0	10.5	3.4	8.7	2.8
Kyiv city	5.5	0.4	9.2	0.7	12.2	0.9	16.8	1.2	13.3	1.0

Table 7.8. continued

	2010		2013		2014		2015		2016	
	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age	thsd. prs.	in percentage to economically active population of working age
<b>Rural areas</b>										
<b>Ukraine</b>	<b>167.4</b>	<b>2.9</b>	<b>185.5</b>	<b>3.2</b>	<b>175.6</b>	<b>3.2</b>	<b>172.5</b>	<b>3.2</b>	<b>166.1</b>	<b>3.1</b>
Vinnitsia	12.3	3.5	15.2	4.3	14.0	4.2	13.4	4.0	13.7	4.1
Volyn	5.0	2.3	4.8	2.1	4.6	2.3	4.7	2.4	4.9	2.5
Dnipropetrovsk	5.8	2.5	7.6	3.3	7.2	3.3	7.1	3.2	7.1	3.4
Donetsk	3.6	1.9	5.1	2.7	4.8	2.8	3.7	2.6	3.6	2.6
Zhytomyr	9.1	3.8	9.5	4.0	8.8	4.1	9.6	4.6	9.4	4.3
Zakarpattia	7.6	2.4	7.5	2.4	5.9	1.8	5.5	1.7	4.5	1.4
Zaporizhia	5.3	2.8	7.0	3.8	6.7	3.8	7.1	4.1	6.8	4.0
Ivano-Frankivsk	7.8	2.7	8.9	2.8	8.6	2.8	8.1	2.7	7.2	2.4
Kyiv	5.8	2.2	6.5	2.3	6.5	2.5	7.1	2.7	6.5	2.4
Kirovohrad	6.1	4.1	7.3	4.7	7.4	5.1	7.8	5.5	7.6	5.4
Luhansk	3.5	2.4	4.2	3.0	3.8	3.0	2.7	2.5	2.8	2.7
Lviv	10.2	2.4	10.4	2.5	9.6	2.4	9.1	2.3	8.3	2.1
Mykolaiv	6.3	3.5	7.2	4.1	6.8	3.9	6.8	3.9	7.3	4.3
Odesa	7.2	2.1	7.4	2.2	6.5	2.0	6.7	2.0	6.4	1.9
Poltava	12.1	4.9	11.5	4.5	11.1	4.5	12.4	5.4	11.4	5.0
Rivne	9.0	3.5	8.9	3.3	8.6	3.4	8.7	3.4	8.1	3.2
Sumy	5.7	4.1	5.5	3.5	5.6	3.6	5.3	3.5	5.1	3.3
Ternopil	6.6	2.8	8.0	3.3	7.9	3.5	6.4	3.0	6.3	3.0
Kharkiv	7.9	3.3	8.7	3.5	8.1	3.5	7.7	3.4	7.3	3.1
Kherson	3.2	1.5	4.4	2.1	4.4	2.2	4.7	2.3	4.6	2.3
Khmelnysk	7.6	3.0	7.5	3.2	7.8	3.7	6.9	3.2	7.3	3.2
Cherkasy	8.7	3.6	10.6	4.4	9.7	4.2	10.0	4.3	9.5	4.2
Chernivtsi	5.8	2.4	6.3	2.7	5.7	2.8	5.0	2.4	4.8	2.2
Chernihiv	5.2	3.1	5.2	3.2	5.0	3.3	5.2	3.4	4.9	3.3
Kyiv city	0	0	0.3		0.5		0.8		0.7	

## 7.9. Duration of registered unemployment, by region, 2016

(at the end of year)

	Number of registered unemployed - total, thsd. prs.	by duration of unemployment						Average duration of unemployment, months <sup>1</sup>
		until to 1 month	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months	12 months and more	
<b>Ukraine</b>	<b>390.8</b>	<b>100.2</b>	<b>110.1</b>	<b>84.3</b>	<b>59.3</b>	<b>26.4</b>	<b>10.5</b>	<b>4</b>
Vinnitsia	24.2	7.6	7.3	4.4	3.2	1.4	0.3	3
Volyn	9.2	2.1	2.5	2.1	1.6	0.7	0.2	4
Dnipropetrovsk	30.7	6.6	8.2	7.4	5.6	2.3	0.6	4
Donetsk	14.1	2.6	4.1	3.5	2.4	1.2	0.3	4
Zhytomyr	17.1	3.4	4.2	3.9	3.1	1.8	0.7	5
Zakarpattia	5.9	1.3	1.8	1.5	0.9	0.3	0.1	4
Zaporizhia	23.3	5.6	7.1	5.0	3.2	2.0	0.4	4
Ivano-Frankivsk	11.3	2.2	3.4	2.8	2.0	0.7	0.2	4
Kyiv	15.6	3.9	4.1	3.5	2.7	1.1	0.3	4
Kirovohrad	17.1	5.1	4.2	3.0	2.3	1.2	1.3	4
Luhansk	8.1	2.0	2.5	1.6	1.0	0.6	0.4	4
Lviv	17.3	3.6	5.0	4.8	2.7	0.9	0.3	4
Mykolaiv	16.8	4.7	4.8	3.5	2.3	1.0	0.5	4
Odesa	14.0	4.7	4.9	2.3	1.3	0.6	0.2	3
Poltava	23.8	8.0	5.9	4.7	3.5	1.3	0.4	3
Rivne	14.4	2.9	3.9	3.3	2.5	1.1	0.7	5
Sumy	14.2	3.6	4.2	2.7	2.2	0.9	0.6	4
Ternopil	10.8	3.2	3.0	2.2	1.5	0.7	0.2	4
Kharkiv	23.6	6.5	7.3	5.3	3.0	1.2	0.3	3
Kherson	11.2	3.5	4.0	1.9	1.1	0.5	0.2	3
Khmelnysk	15.8	4.9	4.3	2.9	2.3	1.0	0.4	4
Cherkasy	20.3	5.6	5.3	4.3	3.0	1.5	0.6	4
Chernivtsi	8.0	1.8	2.3	1.4	1.4	0.7	0.4	4
Chernihiv	12.4	3.1	2.9	2.7	2.2	0.9	0.6	4
Kyiv city	11.6	1.7	2.9	3.6	2.3	0.8	0.3	5

<sup>1</sup> The average duration of unemployment is calculated by a detailed interval series.



## 7.10. Unemployment benefits, by region

(at the end of year)

	2010		2013		2014		2015		2016	
	in average per 1 person, UAH	in percentage to the legally established minimum wage	in average per 1 person, UAH	in percentage to the legally established minimum wage	in average per 1 person, UAH	in percentage to the legally established minimum wage	in average per 1 person, UAH	in percentage to the legally established minimum wage	in average per 1 person, UAH	in percentage to the legally established minimum wage
<b>Ukraine</b>	<b>780</b>	<b>84.6</b>	<b>1,152</b>	<b>94.5</b>	<b>1,232</b>	<b>101.1</b>	<b>1,444</b>	<b>104.8</b>	<b>1,997</b>	<b>124.8</b>
Vinnitsia	796	86.3	1,016	83.4	1,108	90.9	1,375	99.8	1,972	123.3
Volyn	715	77.6	990	81.3	1,071	88.0	1,330	96.5	1,928	120.5
Dnipropetrovsk	865	93.8	1,372	112.7	1,409	115.6	1,605	116.5	2,153	134.6
Donetsk	843	91.4	1,403	115.2	1,398	114.8	1,362	98.8	1,970	123.1
Zhytomyr	740	80.2	1,010	82.9	1,103	90.6	1,343	97.5	1,831	114.4
Zakarpattia	672	72.9	920	75.6	991	81.4	1,174	85.2	1,591	99.4
Zaporizhia	761	82.5	1,107	90.9	1,214	99.7	1,317	95.6	1,729	108.1
Ivano-Frankivsk	704	76.3	941	77.3	1,000	82.1	1,237	89.8	1,825	114.1
Kyiv	891	96.6	1,442	118.3	1,613	132.4	1,830	132.8	2,452	153.3
Kirovohrad	734	79.6	1,018	83.5	1,128	92.6	1,317	95.6	1,840	115.0
Luhansk	794	86.1	1,208	99.2	1,215	99.7	1,232	89.4	1,564	97.8
Lviv	722	78.3	1,008	82.8	1,125	92.4	1,386	100.6	2,053	128.3
Mykolaiv	774	83.9	984	80.8	1,069	87.8	1,320	95.8	1,796	112.3
Odesa	724	78.5	1,257	103.2	1,321	108.5	1,552	112.6	1,896	118.5
Poltava	813	88.1	1,144	94.0	1,283	105.4	1,511	109.7	2,008	125.5
Rivne	701	76.0	953	78.3	1,014	83.3	1,235	89.6	1,819	113.7
Sumy	775	84.1	1,022	83.9	1,142	93.7	1,354	98.3	1,876	117.3
Ternopil	680	73.8	902	74.1	1,004	82.4	1,231	89.3	1,768	110.5
Kharkiv	769	83.4	1,119	91.9	1,233	101.3	1,399	101.5	1,844	115.3
Kherson	724	78.5	1,013	83.2	1,049	86.1	1,304	94.6	1,798	112.4
Khmelnysk	725	78.6	1,033	84.8	1,159	95.1	1,400	101.6	1,877	117.3
Cherkasy	779	84.5	1,089	89.4	1,177	96.7	1,387	100.7	1,882	117.6
Chernivtsi	734	79.6	967	79.4	1,076	88.3	1,346	97.7	1,734	108.4
Chernihiv	746	80.9	1,083	88.9	1,179	96.8	1,404	101.9	1,908	119.3
Kyiv, city	1,894	205.4	2,788	228.9	2,706	222.2	3,143	228.1	4,058	253.6

## 7.11. Registered unemployed, by age group, sex and region, 2016

(at the end of year)

	Number of registered unemployed - thsd. prs.	by age group (years), in percentage to the total								
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
<b>Total</b>										
<b>Ukraine</b>	<b>390.8</b>	<b>1.2</b>	<b>7.1</b>	<b>12.8</b>	<b>15.3</b>	<b>14.4</b>	<b>14.0</b>	<b>12.6</b>	<b>12.2</b>	<b>10.4</b>
Vinnitsia	24.2	1.3	7.1	11.8	13.2	13.6	15.5	14.4	13.3	9.8
Volyn	9.2	1.9	8.4	13.6	16.3	15.1	13.5	11.5	10.0	9.7
Dnipropetrovsk	30.7	0.8	6.4	14.0	16.9	14.4	13.6	12.0	12.2	9.7
Donetsk	14.1	1.1	6.8	13.3	16.0	15.0	12.7	11.8	12.5	10.8
Zhytomyr	17.1	1.7	8.5	12.5	15.1	14.8	15.1	13.4	10.9	8.0
Zakarpattia	5.9	1.2	6.4	12.0	15.9	13.9	13.0	11.4	11.0	15.2
Zaporizhia	23.3	0.8	6.7	13.6	16.1	14.4	13.4	11.9	12.5	10.6
Ivano-Frankivsk	11.3	3.2	10.7	13.3	14.7	13.6	11.8	10.6	10.9	11.2
Kyiv	15.6	1.0	6.7	14.1	17.2	15.0	15.1	13.0	11.3	6.6
Kirovohrad	17.1	1.1	7.2	13.4	14.9	14.0	14.2	13.2	12.3	9.7
Luhansk	8.1	1.1	6.0	11.2	14.0	14.0	14.0	13.6	14.0	12.1
Lviv	17.3	2.1	9.5	14.7	15.6	13.6	11.5	10.8	11.1	11.1
Mykolaiv	16.8	1.3	6.8	13.4	16.3	15.0	13.9	11.7	11.4	10.2
Odesa	14.0	1.3	5.1	10.3	13.5	14.3	15.8	13.5	14.7	11.5
Poltava	23.8	0.9	7.0	13.4	14.3	13.6	14.0	13.2	13.1	10.5
Rivne	14.4	3.0	9.8	13.3	16.3	15.4	13.4	11.4	9.6	7.8
Sumy	14.2	0.6	6.2	11.5	14.3	14.5	14.0	13.1	13.3	12.5
Ternopil	10.8	2.5	9.0	11.6	13.8	12.8	13.5	12.3	12.2	12.3
Kharkiv	23.6	0.8	5.8	12.7	15.1	14.5	14.4	12.4	12.8	11.5
Kherson	11.2	0.8	6.2	12.5	15.5	15.0	13.6	12.2	12.5	11.7
Khmelnitsk	15.8	1.3	7.0	11.4	13.3	13.6	14.9	13.8	13.4	11.3
Cherkasy	20.3	0.8	6.4	12.4	14.3	14.7	15.5	13.7	12.4	9.8
Chernivtsi	8.0	1.6	8.3	11.9	14.7	13.9	13.0	13.0	11.9	11.7
Chernihiv	12.4	0.7	6.3	12.1	14.8	14.9	14.0	13.1	13.2	10.9
Kyiv city	11.6	0.2	3.2	13.3	20.0	17.4	14.8	10.7	10.4	10.0

Table 7.11. continued

	Number of registered unemployed - thsd. prs.	by age group (years), in percentage to the total								
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
<b>Women</b>										
<b>Ukraine</b>	<b>196.6</b>	<b>1.4</b>	<b>8.0</b>	<b>13.5</b>	<b>16.2</b>	<b>14.7</b>	<b>13.7</b>	<b>12.2</b>	<b>12.4</b>	<b>7.9</b>
Vinnitsia	10.5	1.5	8.2	12.2	14.4	14.2	14.9	13.3	13.7	7.6
Volyn	4.6	2.4	10.9	15.2	17.5	15.1	12.4	10.6	9.1	6.8
Dnipropetrovsk	16.4	0.9	7.1	14.4	17.6	14.3	13.2	12.0	12.6	7.9
Donetsk	7.8	1.1	7.0	14.1	16.3	14.8	13.1	11.7	13.0	8.9
Zhytomyr	8.8	1.9	9.6	12.4	15.4	15.5	15.2	13.7	10.6	5.7
Zakarpattia	3.7	1.4	7.4	13.0	17.1	13.9	13.1	11.6	11.5	11.0
Zaporizhia	11.8	0.8	7.0	14.4	17.7	15.1	13.0	11.6	12.3	8.1
Ivano-Frankivsk	6.1	4.3	13.1	14.3	15.6	12.8	11.1	10.2	10.7	7.9
Kyiv	7.7	1.1	8.3	15.4	18.7	14.7	14.0	12.1	10.4	5.3
Kirovohrad	8.2	1.0	7.8	13.5	15.4	14.4	14.1	13.1	12.7	8.0
Luhansk	3.9	1.0	6.7	12.6	15.4	14.6	13.6	12.8	14.2	9.1
Lviv	9.4	2.4	11.9	15.9	15.9	13.0	11.3	10.7	11.2	7.7
Mykolaiv	8.3	1.3	7.3	13.9	16.6	15.8	13.7	11.9	11.8	7.7
Odesa	6.9	1.5	5.3	10.9	14.1	14.9	15.7	13.7	15.3	8.6
Poltava	11.2	0.9	7.6	13.7	14.9	13.9	14.0	13.3	13.6	8.1
Rivne	7.2	3.2	12.1	13.8	16.6	15.0	12.3	11.5	9.8	5.7
Sumy	7.3	0.6	7.1	12.9	15.3	15.2	13.6	12.8	13.3	9.2
Ternopil	5.0	3.2	12.3	13.4	14.8	13.5	12.8	11.2	11.2	7.6
Kharkiv	12.4	0.9	6.0	13.2	16.3	15.4	14.4	12.3	13.2	8.3
Kherson	5.5	0.6	6.0	11.9	16.6	15.2	14.2	12.3	13.8	9.4
Khmelnysk	7.2	1.4	8.2	12.3	14.2	14.2	14.4	12.8	14.1	8.4
Cherkasy	9.9	0.9	7.7	13.2	15.3	14.9	15.0	12.8	12.5	7.7
Chernivtsi	3.8	1.8	9.4	12.5	15.2	14.2	13.6	13.6	12.0	7.7
Chernihiv	6.5	0.8	7.1	12.9	15.8	15.3	13.8	13.0	13.4	7.9
Kyiv city	6.5	0.2	3.9	14.5	20.4	17.0	14.5	10.0	11.1	8.4

Table 7.11. continued

	Number of registered unemployed - thsd. prs.	by age group (years), in percentage to the total								
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
<b>Men</b>										
<b>Ukraine</b>	<b>194.2</b>	<b>1.1</b>	<b>6.0</b>	<b>12.1</b>	<b>14.4</b>	<b>14.1</b>	<b>14.4</b>	<b>12.9</b>	<b>12.1</b>	<b>12.9</b>
Vinnitsia	13.7	1.1	6.3	11.4	12.2	13.2	15.9	15.2	13.1	11.6
Volyn	4.6	1.4	5.9	12.1	15.1	15.0	14.7	12.4	10.8	12.6
Dnipropetrovsk	14.3	0.7	5.7	13.6	16.0	14.5	14.1	12.0	11.7	11.7
Donetsk	6.3	1.1	6.6	12.2	15.6	15.3	12.2	11.9	12.0	13.1
Zhytomyr	8.3	1.4	7.3	12.7	14.7	14.2	15.0	13.1	11.2	10.4
Zakarpattia	2.2	1.0	4.9	10.2	13.8	14.0	12.8	11.0	10.1	22.2
Zaporizhia	11.5	0.9	6.5	12.7	14.4	13.7	13.8	12.2	12.7	13.1
Ivano-Frankivsk	5.2	1.9	7.9	12.1	13.7	14.4	12.7	11.1	11.2	15.0
Kyiv	7.9	1.0	5.1	12.7	15.7	15.3	16.2	14.0	12.1	7.9
Kirovohrad	8.9	1.2	6.6	13.2	14.5	13.7	14.4	13.3	11.9	11.2
Luhansk	4.2	1.1	5.4	9.9	12.6	13.5	14.4	14.4	13.7	15.0
Lviv	7.9	1.6	6.8	13.3	15.3	14.3	11.7	11.0	10.9	15.1
Mykolaiv	8.5	1.3	6.4	12.9	16.0	14.3	14.0	11.5	11.0	12.6
Odesa	7.1	1.2	5.0	9.7	12.9	13.6	16.0	13.2	14.1	14.3
Poltava	12.6	0.9	6.5	13.2	13.7	13.3	14.1	13.1	12.6	12.6
Rivne	7.2	2.7	7.6	12.9	16.0	15.9	14.4	11.3	9.4	9.8
Sumy	6.9	0.7	5.2	10.1	13.4	13.7	14.4	13.4	13.2	15.9
Ternopil	5.8	1.8	6.1	10.1	12.8	12.1	14.2	13.3	13.2	16.4
Kharkiv	11.2	0.8	5.6	12.1	13.7	13.5	14.4	12.6	12.4	14.9
Kherson	5.7	0.9	6.4	13.0	14.5	14.8	13.1	12.2	11.2	13.9
Khmelnysk	8.6	1.3	5.9	10.7	12.6	13.1	15.3	14.5	12.9	13.7
Cherkasy	10.4	0.7	5.2	11.7	13.4	14.5	16.0	14.5	12.2	11.8
Chernivtsi	4.2	1.3	7.3	11.3	14.4	13.6	12.5	12.5	11.9	15.2
Chernihiv	5.9	0.8	5.5	11.2	13.7	14.4	14.1	13.1	12.9	14.3
Kyiv city	5.1	0.2	2.4	11.7	19.6	17.9	15.1	11.5	9.4	12.2