

State Statistics Service of Ukraine

**Economic Activity
of Population in Ukraine
2017**

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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 2017.

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.

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 2010-2017 while section 6 – comparison indicators of employment, unemployment (according to the ILO methodology) in Ukraine with European Union countries (EU).

Section 7 presents information for 2010-2017 on registered unemployed, number of vacancies by main characteristics, which was obtained from the state employment service.

Also, the publication includes brief analytical review of labour market situation in 2017. 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 2010-2017 excludes the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol, from 2015 it also excludes a part temporarily occupied territories in the Donetsk and Luhansk regions.

Conventional Symbols Used in the Statistical publication:

— (dash)	- no phenomenon observed;
ı̇ (elision marks)	- missing data;
: (colon)	- 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.

Table of Contents

	Pages
Foreword	3
Conventional Symbols Used in the Statistical publication	4
Methodological and organizational principles of conducting population (households) sample survey on issues of economic activity	10
Basic methodological definitions and concepts	12
Principles of sample design and data quality assessment of population (households) sample survey on issues of economic activity	16
Statistical and analytical review of labour market situation in 2017	44
Section 1 Economic activity of population, 2017	
1.1. Economic activity of population, by sex and place of residence	48
1.2. Economic activity of population, by age group, sex and place of residence	49
1.3. Economic activity rate, by age group (diagram)	52
1.4. Employment rate, by age group (diagram)	52
1.5. Unemployment rate, by age group (diagram)	52
1.6. Economic activity of population, by level of education, sex and place of residence	53
1.7. Economic activity rate, by level of education (diagram)	56
1.8. Employment rate, by level of education (diagram)	56
1.9. Unemployment rate, by level of education (diagram)	56
1.10. Economic activity of population, by marital status, sex and place of residence	57
1.11. Economic activity of population, by occupation, specialty according to certificate (diploma) job (by subsection of Classification of Occupations(CO))	59
1.12. Economic activity of population, by sex, place of residence and region	60
1.13. Economic activity of working age population, by sex, place of residence and region	63
1.14. Economically active population, by age group and region	66
1.15. Economic activity rate of population, by age group and region	67
1.16. Employed population, by age group and region	68
1.17. Employment rate of population, by age group and region	69
1.18. Unemployed population, by age group and region	70
1.19. Unemployment rate of population, by age group and region	71
1.20. Economically inactive population, by age group and region	72
1.21. Economically inactive rate of population, by age group and region	73
1.22. Economically active population, by level of education and region	74

1.23.	Employed population, by level of education and region	75
1.24.	Economically inactive population, by level of education and region	76
Section 2	Employed population, 2017	
2.1.	Employed population, by status in employment, sex and place of residence	77
2.2.	Employed population, by type of economic activity	79
2.3.	Employed population, by type economic activity and region	80
2.4.	Employed population by occupational group, sex, place of residence and age group (by section of Classification of Occupations (CO))	82
2.5.	Employed population, by occupational group and specialty according to certificate (diploma) (by section of Classification of Occupations (CO))	87
2.6.	Employed population, by occupational group and sex (by subsection of Classification of Occupations (CO))	88
2.7.	Employed population, by reason of temporary absence from work, sex and place of residence	89
2.8.	Employed population, by usual and actual duration of working week, sex and place of residence	90
2.9.	Employed population, by status in employment, sex, place of residence and actual duration of working week	92
2.10.	Average actual duration of working week of employment population, by type of economic activity, sex and place of residence	94
2.11.	Employed population, by occupational group, sex, place of residence and actual duration of working week (by section of Classification of Occupations (CO))	95
2.12.	Employed population, by status in employment, sex, place of residence and sector of economy and type of job	100
2.13.	Employed population, by age group, sex, place of residence and sector of economy and type of job	101
2.14.	Employed population, by level of education, sex, place of residence and sector of economy and type of job	103
2.15.	Employment of the population, by type of job and level of education (diagram)	105
2.16.	Employed population, by type of economic activity, sex, place of residence and sector of economy and type of job	106
2.17.	Informal employment of the population, by type of economic activity (diagram)	108
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))	109
2.19.	Employment, by type of job and occupational group (diagram)	114

2.20.	Informal employment of population, by region (diagram)	114
2.21.	Employed population, by sector of economy, type of job and region	115
2.22.	Employed population of working age who worked outside the region of residence, by region	116
Section 3	Unemployed population, 2017	
3.1.	Unemployed population, by sex and place of residence	118
3.2.	Unemployed population, by reason of unemployment, sex and place of residence	119
3.3.	Unemployed population, by way of job search, sex and place of residence	120
3.4.	Unemployed population, by occupational group, sex and place of residence (by section of Classification of Occupations (CO))	121
3.5.	Unemployed population, by type of economic activity, sex and place of residence	122
3.6.	Unemployed population, by duration of job search, sex and place of residence	123
3.7.	Average duration of job search by unemployed population, by sex, place of residence and region	124
Section 4	Economically inactive population, 2017	
4.1.	Population, by reason of economic inactivity, sex and place of residence	126
4.2.	Population, by age group, sex, place of residence and reason of economic inactivity	127
4.3.	Population, by level of education, sex, place of residence and reason of economic inactivity	132
4.4.	Population, by reason of economic inactivity and region	134
4.5.	Potential labour force, by reason of unemployment, sex and place of residence	135
4.6.	Potential labour force, by duration of unemployment, sex and place of residence	136
Section 5	Main indicators of economic activity of population, 2010-2017	
5.1.	Economically active population, by age group, sex and place of residence	138
5.2.	Economic activity rate of population, by age group, sex and place of residence	139
5.3.	Employed population, by age group, sex and place of residence	140
5.4.	Employment rate, by age group, sex and place of residence	141

5.5.	Unemployed population, by age group, sex and place of residence	142
5.6.	Unemployment rate, by age group, sex and place of residence	143
5.7.	Economically inactive population, by age group, sex and place of residence	144
5.8.	Economic activity population, by sex, place of residence and region	145
5.9.	Employed population, by sex, place of residence and region	150
5.10.	Unemployed population, by sex, place of residence and region	155
5.11.	Economically inactive population, by sex, place of residence and region	160
5.12.	Economically active population aged 15-70, by level of education, sex and place of residence	165
5.13.	Economically active population aged 15-64, by level of education, sex and place of residence	166
5.14.	Employed population aged 15-70, by level of education, sex and place of residence	167
5.15.	Employed population aged 15-64, by level of education, sex and place of residence	168
5.16.	Unemployed population aged 15-70, by level of education, sex and place of residence	169
5.17.	Unemployed population aged 15-64, by level of education, sex and place of residence	170
5.18.	Economically inactive population aged 15-70, by level of education, sex and place of residence	171
5.19.	Employed population by type of economic activity	172
5.20.	Unemployed population, by duration of job searching	173
5.21.	Long-term unemployment rate of the population aged 15-70, 2010-2017 (diagram)	173
5.22.	Long-term unemployment rate of the population aged 15-70, by sex, 2010-2017 (diagram)	173
5.23.	Population by reasons of economic inactivity, sex and place of residence	174

Section 6 International comparisons

6.1.	Employment rate of population in Ukraine and EU countries, by sex	176
6.2.	Employment rate of population aged 15-64 in Ukraine and EU countries, by sex	178
6.3.	Employment rate of population aged 15-24 in Ukraine and EU countries, by sex	180
6.4.	Unemployment rate of population in Ukraine and EU countries, by sex	182

6.5.	ILO unemployment rate in Ukraine and EU countries, 2017 (diagram)	184
6.6.	Unemployment rate of population aged 15-64 in Ukraine and EU countries, by sex	185
6.7.	Unemployment rate of population aged 15-24 in Ukraine and EU countries, by sex	187
Section 7 Registered labour market		
7.1.	Registered unemployed and number of vacancies, by type of economic activity, 2017	190
7.2.	Number of vacancies, by type of economic activity, 2016-2017 (diagram)	191
7.3.	Number of vacancies, by occupational group, 2015-2016 (diagram)	191
7.4.	Number of vacancies, by region	192
7.5.	Load of non-working population (registered unemployed) per one vacancy, by region	193
7.6.	Registered unemployed and number of vacancies, by occupational group (by section of Classification of Occupations (CO))	194
7.7.	Registered unemployed, by level of education and reason of unemployment	195
7.8.	Registered unemployed, by sex, place of residence and region	196
7.9.	Duration of registered unemployment, by region, 2017	201
7.10.	Unemployment benefits, by region	202
7.11.	Registered unemployed, by age group, sex and region, 2017	203

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.

In 1995-1998 the survey was carried out once a year, in 1999-2003 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 2017, 104.3 thousand respondents aged 15-70 have been questioned that makes up 0.36% of resident population of Ukraine of the specified age. The number of the made interviews is 289.1 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, 2017, 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 (inclusive) who reside in the selected households.

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

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

The questioning starts with a week that is next after the reference period and is conducted within 15 calendar days.

The survey covers the members of one household aged 15-70 (inclusive) 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 a part of temporarily occupied territories in the Donetsk and Luhansk regions;

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

Persons that belong to categories mentioned below:

- students and pupils with full-time study of all educational institutions residing in another locality and interviewed at their place of study;

- military conscripts (including contract serviceman) and persons who are in institutional facilities (barracks, prisons, closed hospitals, 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:

- formation of the sample of households;
- 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 households selected 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;

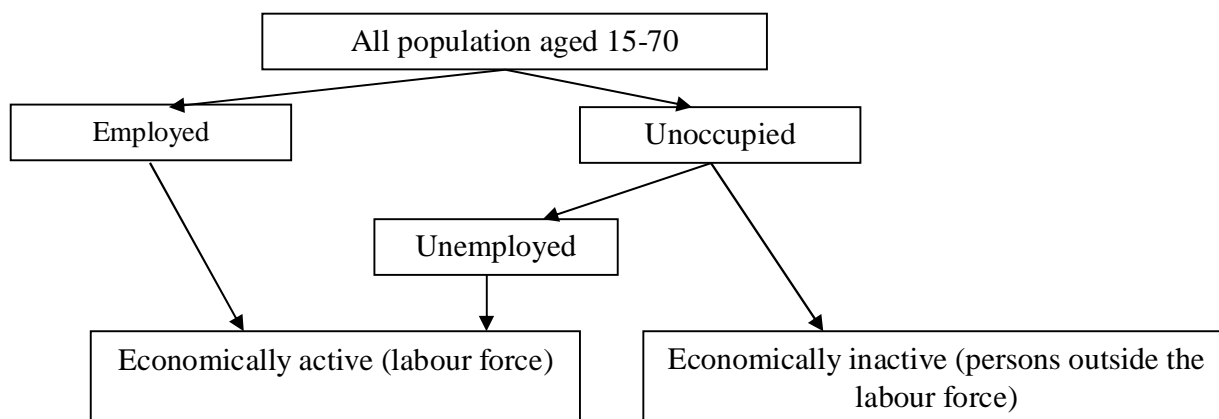
- development of indicators for quality of information and its representativeness at all levels of usage;

- construction of tables to be published survey results.

Basic methodological definitions and concepts

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 population (households) sample survey on issues of economic activity, all population of the country aged 15-70 is distributed as three mutually exclusive and exhaustive categories: the employed, unemployed and economically inactive (persons outside the labour force):



Economically active population (labour force) are population of both sexes aged 15-70, who during the reference week provided labour force on the labour market. Employed and unemployed is comprised the labour force.

Distribution of the employed 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:

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;

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 specific 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 wage workers, 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 15th 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 employ wage workers 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 employ wage workers on regular basis.

Contributing family workers are persons who work with no payment at their family enterprise headed by their relative.

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 part from 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 aged 15-70 to the economically active population (labour force) of the specific age or the relevant social and demographic group.

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 specific age.

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

Economically inactive population (persons outside the labour force) are persons aged 15-70 who cannot be classified as *employed* or *unemployed*.

This category by the level of connection with the labour market can be classified as follows:

- are looking for work, but are not ready to proceed to it during the next two weeks (because of disability, through study (pupils, students), through homework, etc.);
- want to work and are ready to start work, but are not looking for work (for example, discouraged; did not know where and how to look for a job; they believed they had no suitable place of work, etc.);
- do not want to work because they do not need it.

The first two categories relate to the potential labour force - the unoccupied population, which during the surveyed week did not form part of the labour force, but at the same time expressed its desire to get a job in various ways.

The unemployment rate, taking into account the potential labour force, is calculated as the ratio of the number of unemployed people, including the potential labour force to the number of economically active population (labour force), which includes the number of potential labour force.

Within the framework of EAP survey, prior to 2012 the **working age persons** include women aged 15-54 and men aged 15-59. According to Ukraine's law On Actions Regarding the Legal Support to Reforming the Pension System, in 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.

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.

Persons with disabilities are recognized 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.

Number of vacancies is the number of 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 to the state employment service.

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

* 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 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, and 490 strata have been formed in 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 indicators¹.

¹ 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.

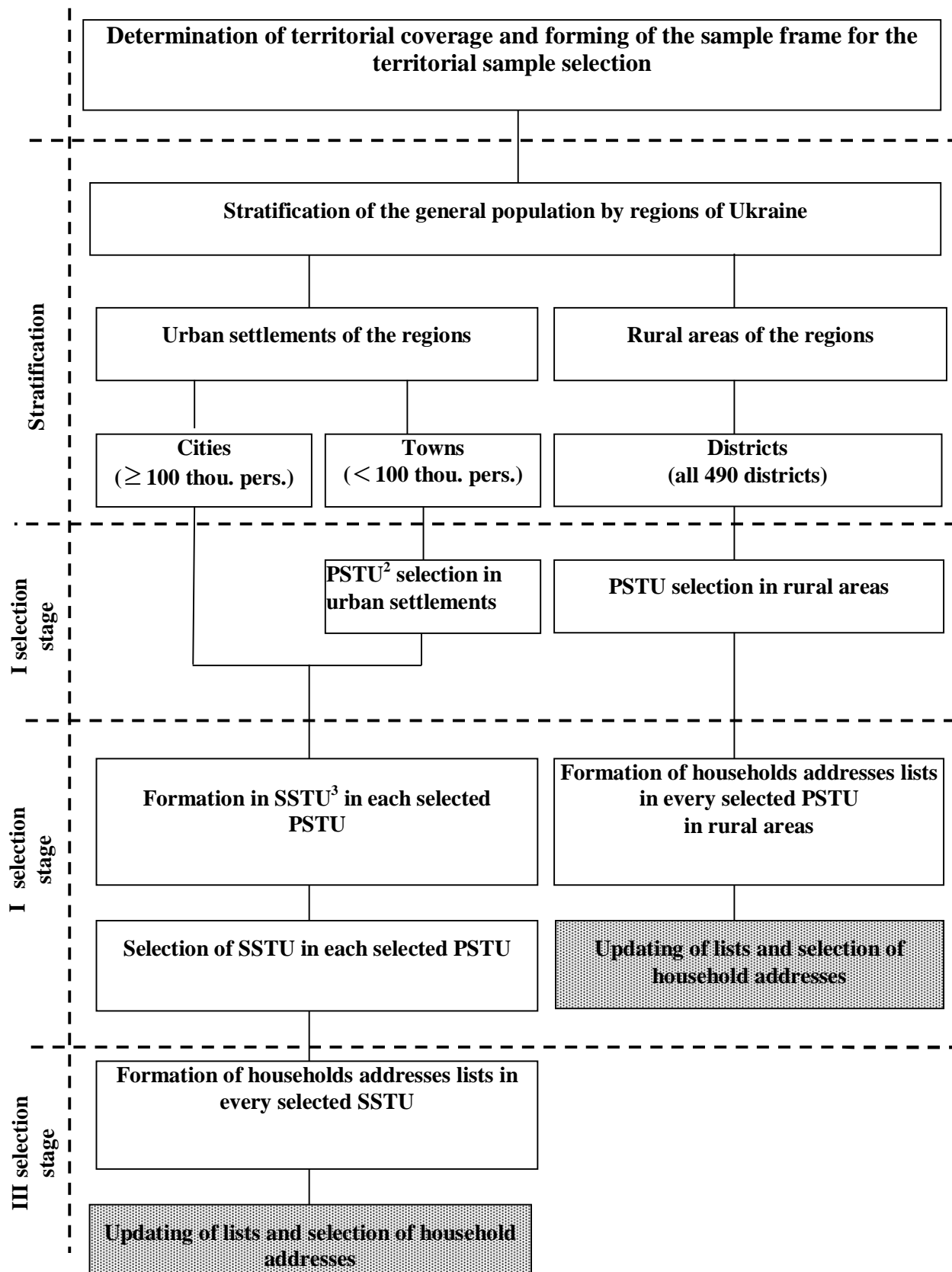


Fig. 1. Formation of the sample for base sample surveys of population (households) in 2014-2018. Note. Marked in grey are stages of sample generation implemented annually; marked in white are stages implemented once for the entire validity period of an area sample, i.e. from 2014 to 2018 inclusive.

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

³ 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 "towns" 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	
Ukraine	782	438	344	579
Autonomous Republic of Crimea	26	16	10	17
oblasts				
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>											
		<i>01</i>	<i>02</i>	<i>03</i>	<i>04</i>	<i>05</i>	<i>06</i>	<i>07</i>	<i>08</i>	<i>09</i>	<i>10</i>	<i>11</i>	<i>12</i>
Rotation group	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	
		49											
		50	50										
		51	51	51									
			52	52	52								
				53	53	53							
					54	54	54						
						55	55	55					
							56	56	56				
								57	57	57			
									58	58	58		
									59	59	59		
										60	60	60	
											61	61	
												62	

Fig. 2. Household rotation pattern of the 2017 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:

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

where w_r is the ultimate weight of a person and w_{Br} 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:

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

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:

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

In the process of generating a sampling frame of households for monthly surveys in 2017 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 - discrete values by the number of regions;

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:

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

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 discrete values by the number of regions;

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 = a region attribute * 1000 + an area type attribute * 100 + a gender attribute * 10 + 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 01.01.2017 and the EAP survey results (unweight)

(excluding the temporarily occupied territories of the Autonomous Republic of Crimea and the temporarily occupied territories in the Donetsk and Luhansk regions)

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	5.3	6.1	-0.8	4.7	5.6	-0.9	6.2	6.6	-0.4
20-24 years	5.2	7.9	-2.7	4.4	7.3	-2.9	5.2	8.6	-3.4
25-29 years	6.6	10.2	-3.6	6.4	9.5	-3.1	6.9	11.0	-4.1
30-34 years	8.3	11.5	-3.2	7.9	10.7	-2.8	8.7	12.2	-3.5
35-39 years	8.6	10.0	-1.4	8.6	9.6	-1.0	8.6	10.5	-1.9
40-44 years	9.6	9.7	-0.1	9.5	9.5	0.0	9.8	10.0	-0.2
45-49 years	9.8	9.0	0.8	9.7	9.0	0.7	10.3	9.2	1.1
50-54 years	10.5	9.2	1.3	10.5	9.5	1.0	10.8	9.0	1.8
55-59 years	11.8	9.8	2.0	12.3	10.4	1.9	11.4	9.2	2.2
60-64 years	11.7	8.4	3.3	12.0	9.3	2.7	10.9	7.1	3.8
65-70 years	12.6	8.2	4.4	14.0	9.6	4.4	11.2	6.6	4.6

The data in Table 2 indicate that the sample reflects adequately the gender-age structure of the population. The largest deviation is 4.6 percentage points for men aged 65-70 and by 4.4 percentage points for population aged 65-70 and women of the specified age.

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 σ^2 is a variance, which describes the indicator values variation on sample units; n is sample size.

Value σ^2 is calculated by the following complex design formula for a sample:

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

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 y_L is the lower confidence limit of the interval estimation of a mean value;

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 2017

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 2017 was 1.1%, 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 1.0% to 2.9%).

The value of the boundary error for this indicator was 382.4 thousand persons. This implies that with the 0.95 probability, the estimate of the number of economically active population on average for 2017 falls inside the limits of 17,854.4 thousand persons +/- 382.4 thousand persons, i.e. within the interval of 17,472.0 - 18,236.8 thousand persons.

The average annual estimates of the number of the employed and economically inactive population have a rather high reliability level (the variation coefficient is within 1.1% 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 both indicators 2.3% and 2.7% accordingly. The estimate of the number of the unemployed population across Ukraine (annex 3.1) is also sufficiently reliable (the variation coefficient made up 2.4%). The variation coefficient for this indicator in the quarters of 2017 was in the range from 5.8% to 10.6%.

On a whole, similar are the results regarding the reliability of data and 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 the two indicators the variation coefficient are lower than for the corresponding quantitative indicators.

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 9.5% in rural areas in QIII of 2017 and 8.2% for women in QI of 2017.

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 variation coefficient does not exceed 5.2%).

The variation coefficient for unemployment rate (annex 3.3) for six age groups ranged from 3.2% to 8.1%. At the same time, the estimate of the mentioned indicator for the age group 60-70 year old is not reliable (the variation coefficient made up 49.0%).

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 4.5%) 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 24.3% and 20.2% 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 1.9%, i.e. its reliability was rather high.

As to the estimates of population unemployment rate by education (annex 3.4), for the persons with incomplete tertiary education the variation coefficient was 5.1% while for those who had the complete tertiary, vocational training and complete secondary 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 (13.6%) and base tertiary education (23.2%), 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 (57.4%).

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 (the variation coefficient 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 three regions the variation coefficient for this indicator in 2017 did not exceed 10% for nine regions it was within the limits of 10%-15% and for another thirteen regions it did not exceed 15%.

**Reliability estimates of indicator "Number of economically active population aged 15-70"
by sex and place of residence, 2017**

	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), %
I quarterly				
Total	17,672.7	183.9	360.4	1.0
Women	8,340.7	112.2	220.0	1.3
Men	9,332.0	110.7	216.9	1.2
Urban settlements	12,162.8	137.9	270.3	1.1
Rural areas	5,509.9	152.0	298.0	2.8
II quarterly				
Total	17,988.4	232.7	456.2	1.3
Women	8,510.5	132.2	259.2	1.6
Men	9,477.9	133.5	261.6	1.4
Urban settlements	12,304.4	210.9	413.3	1.7
Rural areas	5,684.0	121.4	238.0	2.1
III quarterly				
Total	18,039.9	265.9	521.1	1.5
Women	8,497.8	113.8	223.0	1.3
Men	9,542.1	198.3	388.6	2.1
Urban settlements	12,337.8	233.9	458.4	1.9
Rural areas	5,702.1	164.6	322.6	2.9
IV quarterly				
Total	17,716.4	249.7	489.4	1.4
Women	8,346.2	126.7	248.3	1.5
Men	9,370.2	153.0	299.9	1.6
Urban settlements	12,203.9	231.6	453.9	1.9
Rural areas	5,512.5	145.9	286.0	2.6
Average per year				
Total	17,854.4	195.1	382.4	1.1
Women	8,423.8	94.1	184.5	1.1
Men	9,430.6	117.9	231.2	1.3
Urban settlements	12,252.2	170.5	334.2	1.4
Rural areas	5,602.2	133.9	262.3	2.4

**Reliability estimates of indicator "Economic activity rate of population aged 15-70"
by sex and place of residence, 2017**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	61.4	0.4	0.9	0.7
Women	55.1	0.5	0.9	0.9
Men	68.3	0.6	1.2	0.9
Urban settlements	62.3	0.5	1.1	0.9
Rural areas	59.4	0.7	1.5	1.3
II quarterly				
Total	62.5	0.5	1.0	0.8
Women	56.2	0.5	1.0	1.0
Men	69.3	0.6	1.2	0.9
Urban settlements	63.0	0.7	1.3	1.0
Rural areas	61.3	0.7	1.4	1.1
III quarterly				
Total	62.6	0.5	1.0	0.8
Women	56.2	0.5	1.1	1.0
Men	69.8	0.6	1.2	0.9
Urban settlements	63.2	0.7	1.3	1.1
Rural areas	61.5	0.8	1.6	1.3
IV quarterly				
Total	61.5	0.6	1.2	1.0
Women	55.2	0.6	1.3	1.2
Men	68.6	0.7	1.5	1.1
Urban settlements	62.5	0.8	1.6	1.3
Rural areas	59.4	0.8	1.6	1.4
Average per year				
Total	62.0	0.5	0.9	0.8
Women	55.7	0.4	0.8	0.8
Men	69.0	0.6	1.1	0.8
Urban settlements	62.8	0.6	1.2	1.0
Rural areas	60.4	0.7	1.4	1.2

**Reliability estimates of indicator "Economic activity rate of population aged 15-70"
by age group, 2017**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	62.0	0.5	0.9	0.8
by age group				
15-24 years	34.4	1.6	3.2	4.8
25-29 years	78.6	0.6	1.2	0.8
30-34 years	82.7	0.4	0.8	0.5
35-39 years	84.7	0.4	0.8	0.5
40-49 years	84.7	0.4	0.7	0.4
50-59 years	68.4	0.4	0.9	0.7
60-70 years	13.9	0.4	0.8	3.1
Working age	71.5	0.6	1.2	0.9
Over working age	13.9	0.4	0.8	3.1

**Reliability estimates of indicator "Economic activity rate of population aged 15-70"
by level of education, 2017**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	62.0	0.5	0.9	0.8
by level of education				
complete higher	76.4	0.3	0.5	0.4
basic higher	53.0	2.1	4.2	4.0
uncompleted higher	67.3	0.4	0.9	0.7
vocational	69.3	0.5	0.9	0.7
complete secondary	47.4	1.2	2.3	2.5
basic secondary	20.3	0.9	1.7	4.2
primary education or not educated	7.1	1.7	3.4	24.3

**Reliability estimates of indicator "Economic activity rate of population aged 15-70"
by region, 2017**

	Economic activity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Ukraine	62.0	0.5	0.9	0.8
Vinnitsia	61.9	1.7	3.4	2.8
Volyn	55.8	1.8	3.6	3.3
Dnipropetrovsk	63.4	1.6	3.2	2.6
Donetsk	57.9	1.6	3.1	2.7
Zhytomyr	63.3	1.2	2.3	1.8
Zakarpattia	60.1	3.2	6.2	5.3
Zaporizhia	61.8	1.4	2.7	2.3
Ivano-Frankivsk	60.1	1.7	3.3	2.8
Kyiv	62.1	1.2	2.4	1.9
Kirovohrad	60.8	2.1	4.1	3.4
Luhansk	65.6	1.9	3.7	2.9
Lviv	60.8	1.2	2.3	1.9
Mykolaiv	63.3	1.8	3.6	2.9
Odesa	60.4	1.6	3.1	2.6
Poltava	61.4	1.5	3.0	2.5
Rivne	62.3	1.6	3.2	2.6
Sumy	63.1	1.0	2.0	1.6
Ternopil	57.9	2.8	5.4	4.8
Kharkiv	64.5	1.6	3.1	2.5
Kherson	63.1	1.5	2.9	2.3
Khmelnysk	60.1	2.0	3.9	3.3
Cherkasy	63.2	1.5	3.0	2.4
Chernivtsi	61.8	2.2	4.2	3.5
Chernihiv	63.1	1.6	3.1	2.5
Kyiv city	66.4	3.0	5.9	4.5

**Reliability estimates of indicator "Number of employed population aged 15-70"
by sex and place of residence, 2017**

	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), %
I quarterly				
Total	15,885.8	160.2	314.0	1.0
Women	7,627.7	104.9	205.5	1.4
Men	8,258.1	94.4	185.0	1.1
Urban settlements	11,009.3	136.2	266.9	1.2
Rural areas	4,876.5	111.6	218.8	2.3
II quarterly				
Total	16,356.0	212.8	417.1	1.3
Women	7,923.9	118.8	232.8	1.5
Men	8,432.1	142.0	278.3	1.7
Urban settlements	11,207.7	194.2	380.6	1.7
Rural areas	5,148.3	115.4	226.1	2.2
III quarterly				
Total	16,428.6	237.3	465.2	1.4
Women	7,934.9	92.2	180.7	1.2
Men	8,493.7	167.1	327.5	2.0
Urban settlements	11,210.0	217.1	425.5	1.9
Rural areas	5,218.6	145.1	284.4	2.8
IV quarterly				
Total	15,955.1	203.5	398.9	1.3
Women	7,598.2	106.1	208.0	1.4
Men	8,356.9	125.8	246.6	1.5
Urban settlements	11,010.2	184.1	360.9	1.7
Rural areas	4,944.9	134.7	264.0	2.7
Average per year				
Total	16,156.4	180.0	352.9	1.1
Women	7,771.2	86.1	168.8	1.1
Men	8,385.2	111.2	218.0	1.3
Urban settlements	11,109.3	163.7	320.8	1.5
Rural areas	5,047.1	118.4	232.1	2.3

**Reliability estimates of indicator "Employment rate of population aged 15-70"
by sex and place of residence, 2017**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	55.2	0.5	1.0	0.9
Women	50.4	0.6	1.1	1.1
Men	60.4	0.7	1.3	1.1
Urban settlements	56.4	0.7	1.3	1.2
Rural areas	52.6	0.7	1.4	1.4
II quarterly				
Total	56.8	0.5	1.0	0.9
Women	52.4	0.5	1.1	1.0
Men	61.7	0.7	1.5	1.2
Urban settlements	57.4	0.6	1.2	1.0
Rural areas	55.5	0.9	1.8	1.7
III quarterly				
Total	57.0	0.5	0.9	0.8
Women	52.4	0.5	0.9	0.9
Men	62.1	0.6	1.2	1.0
Urban settlements	57.4	0.6	1.1	1.0
Rural areas	56.3	0.9	1.8	1.6
IV quarterly				
Total	55.4	0.5	1.1	1.0
Women	50.2	0.6	1.3	1.3
Men	61.1	0.6	1.2	1.0
Urban settlements	56.4	0.7	1.4	1.3
Rural areas	53.3	0.8	1.5	1.4
Average per year				
Total	56.1	0.4	0.8	0.8
Women	51.4	0.4	0.8	0.8
Men	61.4	0.5	1.0	0.8
Urban settlements	56.9	0.5	1.1	1.0
Rural areas	54.4	0.7	1.3	1.3

**Reliability estimates of indicator "Employment rate of population aged 15-70"
by age group, 2017**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	56.1	0.4	0.8	0.8
by age group				
15-24 years	27.9	1.4	2.8	5.2
25-29 years	69.7	0.8	1.6	1.2
30-34 years	74.6	0.6	1.1	0.8
35-39 years	77.6	0.6	1.2	0.8
40-49 years	77.3	0.7	1.3	0.9
50-59 years	62.9	0.5	0.9	0.7
60-70 years	13.9	0.4	0.8	3.0
Working age	64.5	0.5	1.1	0.8
Over working age	13.9	0.4	0.8	3.0

**Reliability estimates of indicator "Employment rate of population aged 15-70"
by level of education, 2017**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	56.1	0.4	0.8	0.8
by level of education				
complete higher	70.5	0.5	0.9	0.7
basic higher	45.7	2.0	3.9	4.3
uncompleted higher	61.2	0.5	1.0	0.9
vocational	61.6	0.6	1.1	0.9
complete secondary	42.6	1.2	2.4	2.9
basic secondary	18.0	0.7	1.4	4.1
primary education or not educated	5.4	1.1	2.1	20.2

**Reliability estimates of indicator "Employment rate of population aged 15-70"
by region, 2017**

	Employment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Ukraine	56.1	0.4	0.8	0.8
Vinnytsia	55.3	1.6	3.1	2.8
Volyn	48.8	1.4	2.8	2.9
Dnipropetrovsk	58.0	1.4	2.8	2.4
Donetsk	49.4	1.8	3.5	3.6
Zhytomyr	56.4	1.1	2.2	2.0
Zakarpattia	53.8	4.8	9.5	9.0
Zaporizhia	55.2	1.3	2.6	2.4
Ivano-Frankivsk	55.0	1.6	3.2	2.9
Kyiv	58.0	1.6	3.1	2.7
Kirovohrad	53.3	2.2	4.2	4.1
Luhansk	54.7	1.5	3.0	2.8
Lviv	56.2	1.1	2.1	1.9
Mykolaiv	56.8	2.1	4.1	3.7
Odesa	56.1	1.5	2.9	2.6
Poltava	54.0	1.5	3.0	2.8
Rivne	55.1	1.7	3.3	3.0
Sumy	57.4	0.9	1.9	1.6
Ternopil	51.0	2.0	4.0	4.0
Kharkiv	60.6	1.8	3.5	3.0
Kherson	56.2	1.1	2.1	1.9
Khmelnysk	54.7	2.1	4.2	3.9
Cherkasy	56.7	1.6	3.1	2.8
Chernivtsi	56.6	2.5	5.0	4.5
Chernihiv	56.1	1.8	3.5	3.2
Kyiv city	61.8	2.8	5.5	4.5

**Reliability estimates of indicator "Number of unemployed population aged 15-70"
by sex and place of residence, 2017**

	Unemployed population aged 15-70, thsd. prs.	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	1,786.9	106.9	209.5	6.0
Women	713.0	61.2	120.0	8.6
Men	1,073.9	75.6	148.1	7.0
Urban settlements	1,153.5	88.1	172.8	7.6
Rural areas	633.4	60.5	118.5	9.5
II quarterly				
Total	1,632.4	94.4	185.0	5.8
Women	586.6	42.5	83.3	7.2
Men	1,045.8	81.7	160.2	7.8
Urban settlements	1,096.7	79.4	155.6	7.2
Rural areas	535.7	51.9	101.8	9.7
III quarterly				
Total	1,611.3	99.9	195.9	6.2
Women	562.9	46.1	90.3	8.2
Men	1,048.4	94.0	184.2	9.0
Urban settlements	1,127.8	85.5	167.6	7.6
Rural areas	483.5	51.4	100.7	10.6
IV quarterly				
Total	1,761.3	109.9	215.5	6.2
Women	748.0	63.7	124.9	8.5
Men	1,013.3	89.9	176.2	8.9
Urban settlements	1,193.7	101.1	198.2	8.5
Rural areas	567.6	43.2	84.6	7.6
Average per year				
Total	1,698.0	58.5	114.7	3.4
Women	652.6	29.4	57.5	4.5
Men	1,045.4	54.2	106.3	5.2
Urban settlements	1,142.9	48.7	95.4	4.3
Rural areas	555.1	32.8	64.3	5.9

**Reliability estimates of indicator "Unemployment rate of population aged 15-70"
by sex and place of residence, 2017**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	10.1	0.6	1.1	5.5
Women	8.5	0.7	1.4	8.2
Men	11.5	0.7	1.5	6.5
Urban settlements	9.5	0.7	1.4	7.3
Rural areas	11.5	0.9	1.7	7.6
II quarterly				
Total	9.1	0.5	1.0	5.4
Women	6.9	0.5	0.9	6.7
Men	11.0	0.8	1.7	7.7
Urban settlements	8.9	0.6	1.2	6.8
Rural areas	9.4	0.9	1.7	9.3
III quarterly				
Total	8.9	0.5	1.0	5.7
Women	6.6	0.5	1.0	7.4
Men	11.0	0.9	1.7	8.0
Urban settlements	9.1	0.6	1.3	7.1
Rural areas	8.5	0.8	1.6	9.5
IV quarterly				
Total	9.9	0.5	1.1	5.5
Women	9.0	0.7	1.4	7.7
Men	10.8	0.9	1.7	8.1
Urban settlements	9.8	0.7	1.4	7.4
Rural areas	10.3	0.7	1.4	7.0
Average per year				
Total	9.5	0.3	0.6	3.2
Women	7.7	0.3	0.6	4.2
Men	11.1	0.5	1.1	4.9
Urban settlements	9.3	0.4	0.7	4.1
Rural areas	9.9	0.5	1.0	5.0

**Reliability estimates of indicator "Unemployment rate of population aged 15-70"
by age group, 2017**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	9.5	0.3	0.6	3.2
by age group				
15-24 years	18.9	1.2	2.4	6.4
25-29 years	11.3	0.9	1.8	8.1
30-34 years	9.8	0.7	1.3	6.8
35-39 years	8.4	0.6	1.2	7.4
40-49 years	8.7	0.6	1.3	7.3
50-59 years	8.1	0.7	1.3	8.4
60-70 years	0.1	0.0	0.1	49.0
Working age	9.9	0.3	0.6	3.2
Over working age	0.1	0.0	0.1	49.0

**Reliability estimates of indicator "Unemployment rate of population aged 15-70"
by level of education, 2017**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	9.5	0.3	0.6	3.2
by level of education				
complete higher	7.8	0.5	1.0	6.3
basic higher	13.7	3.2	6.2	23.2
uncompleted higher	9.0	0.5	0.9	5.1
vocational	11.1	0.8	1.6	7.3
complete secondary	10.2	0.7	1.3	6.6
basic secondary	11.4	1.6	3.0	13.6
primary education or not educated	:	:	:	57.4

**Reliability estimates of indicator "Unemployment rate of population aged 15-70"
by region, 2017**

	Unemployment rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Ukraine	9.5	0.3	0.6	3.2
Vinnytsia	10.7	1.7	3.4	16.3
Volyn	12.5	1.7	3.3	13.4
Dnipropetrovsk	8.5	1.0	2.0	12.1
Donetsk	14.6	1.5	3.0	10.5
Zhytomyr	10.8	1.0	1.9	8.9
Zakarpattia	10.5	3.1	6.1	29.7
Zaporizhia	10.7	1.0	2.0	9.6
Ivano-Frankivsk	8.5	1.3	2.5	14.8
Kyiv	6.5	1.4	2.8	22.1
Kirovohrad	12.2	1.8	3.5	14.8
Luhansk	16.6	1.1	2.2	6.6
Lviv	7.5	1.3	2.5	17.1
Mykolaiv	10.3	1.4	2.7	13.2
Odesa	7.3	1.4	2.7	19.2
Poltava	12.0	2.0	4.0	17.0
Rivne	11.6	3.0	5.9	26.0
Sumy	9.1	1.4	2.7	14.9
Ternopil	11.9	2.4	4.7	20.0
Kharkiv	6.1	1.8	3.6	30.3
Kherson	11.1	2.0	3.9	17.8
Khmelnysk	8.9	1.5	3.0	17.0
Cherkasy	10.2	2.4	4.7	23.5
Chernivtsi	8.4	2.4	4.7	28.8
Chernihiv	11.2	1.4	2.8	12.8
Kyiv city	6.9	0.7	1.4	10.7

Reliability estimates of indicator "Number of economically inactive population aged 15-70" by sex and place of residence, 2017

	Economically inactive population aged 15-70, thsd. prs.	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	11,126.7	197.2	386.5	1.8
Women	6,791.41	103.3	202.5	1.5
Men	4,335.6	120.1	235.4	2.8
Urban settlements	7,360.3	166.7	326.7	2.3
Rural areas	3,766.4	101.1	198.1	2.7
II quarterly				
Total	10,811.0	210.1	411.9	1.9
Women	6,621.3	112.9	221.2	1.7
Men	4,189.7	115.1	225.6	2.7
Urban settlements	7,218.7	182.1	356.8	2.5
Rural areas	3,592.3	111.7	219.0	3.1
III quarterly				
Total	10,759.5	187.1	366.7	1.7
Women	6,634.0	120.9	237.0	1.8
Men	4,125.5	95.0	186.2	2.3
Urban settlements	7,185.3	156.3	306.3	2.2
Rural areas	3,574.2	109.9	214.7	3.1
IV quarterly				
Total	11,083.0	215.6	422.6	1.9
Women	6,785.7	123.3	241.7	1.8
Men	4,297.3	116.8	228.9	2.7
Urban settlements	7,319.2	189.8	372.0	2.6
Rural areas	3,763.8	105.8	207.4	2.8
Average per year				
Total	10,945.0	191.4	375.2	1.7
Women	6,708.0	98.9	193.8	1.5
Men	4,237.0	101.2	198.3	2.4
Urban settlements	7,270.9	165.0	323.4	2.3
Rural areas	3,674.1	100.4	196.7	2.7

**Reliability estimates of indicator "Economic inactivity rate of population aged 15-70"
by sex and place of residence, 2017**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
I quarterly				
Total	38.6	0.4	0.9	1.1
Women	44.9	0.5	0.9	1.1
Men	31.7	0.6	1.2	2.0
Urban settlements	37.7	0.5	1.1	1.4
Rural areas	40.6	0.7	1.5	1.8
II quarterly				
Total	37.5	0.5	1.0	1.3
Women	43.8	0.5	1.0	1.2
Men	30.7	0.6	1.2	2.0
Urban settlements	37.0	0.7	1.3	1.8
Rural areas	38.7	0.7	1.4	1.8
III quarterly				
Total	37.4	0.5	1.0	1.4
Women	43.8	0.5	1.1	1.2
Men	30.2	0.6	1.2	2.1
Urban settlements	36.8	0.7	1.3	1.8
Rural areas	38.5	0.8	1.6	2.1
IV quarterly				
Total	38.5	0.6	1.2	1.6
Women	44.8	0.6	1.3	1.4
Men	31.4	0.7	1.5	2.4
Urban settlements	37.5	0.8	1.6	2.2
Rural areas	40.6	0.8	1.6	2.0
Average per year				
Total	38.0	0.5	0.9	1.2
Women	44.3	0.4	0.8	1.0
Men	31.0	0.6	1.1	1.8
Urban settlements	37.2	0.6	1.2	1.6
Rural areas	39.6	0.7	1.4	1.8

**Reliability estimates of indicator "Economic inactivity rate of population aged 15-70"
by age group, 2017**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	38.0	0.5	0.9	1.2
by age group				
15-24 years	65.6	1.6	3.2	2.5
25-29 years	21.4	0.6	1.2	2.9
30-34 years	17.3	0.4	0.8	2.3
35-39 years	15.3	0.4	0.8	2.6
40-49 years	15.3	0.4	0.7	2.3
50-59 years	31.6	0.4	0.9	1.4
60-70 years	86.1	0.4	0.8	0.5
Working age	28.5	0.6	1.2	2.1
Over working age	86.1	0.4	0.8	0.5

**Reliability estimates of indicator "Economic inactivity rate of population aged 15-70"
by level of education, 2017**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Total	38.0	0.5	0.9	1.2
by level of education				
complete higher	23.6	0.3	0.5	1.2
basic higher	47.0	2.1	4.2	4.5
uncompleted higher	32.7	0.4	0.9	1.3
vocational	30.7	0.5	0.9	1.5
complete secondary	52.6	1.2	2.3	2.3
basic secondary	79.7	0.9	1.7	1.1
primary education or not educated	92.9	1.7	3.4	1.9

**Reliability estimates of indicator "Economic inactivity rate of population aged 15-70"
by region, 2017**

	Economic inactivity rate of population aged 15-70, %	Standard error of sample (SE), %	Error limit of sample (LSE), %	Coefficient of variation (CV), %
Ukraine	38.0	0.5	0.9	1.2
Vinnytsia	38.1	1.7	3.4	4.5
Volyn	44.2	1.8	3.6	4.1
Dnipropetrovsk	36.6	1.6	3.2	4.4
Donetsk	42.1	1.6	3.1	3.7
Zhytomyr	36.7	1.2	2.3	3.1
Zakarpattia	39.9	3.2	6.2	7.9
Zaporizhia	38.2	1.4	2.7	3.7
Ivano-Frankivsk	39.9	1.7	3.3	4.2
Kyiv	37.9	1.2	2.4	3.2
Kirovohrad	39.2	2.1	4.1	5.3
Luhansk	34.4	1.9	3.7	5.5
Lviv	39.2	1.2	2.3	3.0
Mykolaiv	36.7	1.8	3.6	5.0
Odesa	39.6	1.6	3.1	4.0
Poltava	38.6	1.5	3.0	3.9
Rivne	37.7	1.6	3.2	4.3
Sumy	36.9	1.0	2.0	2.7
Ternopil	42.1	2.8	5.4	6.6
Kharkiv	35.5	1.6	3.1	4.5
Kherson	36.9	1.5	2.9	4.0
Khmelnysk	39.9	2.0	3.9	5.0
Cherkasy	36.8	1.5	3.0	4.1
Chernivtsi	38.2	2.2	4.2	5.6
Chernihiv	36.9	1.6	3.1	4.3
Kyiv city	33.6	3.0	5.9	9.0

Statistical and analytical review of labour market in 2017

According to data from the population (households) sample survey on issues of economic activity, the average monthly **number of economically active population** aged 15-70 in 2017 as compared to 2016 decreased by 0.6% and made up 17.9 million persons of which 17.2 million persons (96.3%) were at working age. Out of the mentioned number of persons aged 15-70 year, 16.2 million persons or 90.5% were engaged in economic activity while the rest (1.7 million persons) were classified as the unemployed in line with the methodology of International Labour Organization (ILO).

Economic activity rate of the population aged 15-70 fell from 62.2% in 2016 to 62.0% in 2017.

The number of the employed population aged 15-70 in 2017 compared to 2016 was down by 0.7% and accounted for 16.2 million persons of which 15.5 million persons were at working age.

Employment rate of the population aged 15-70 decreased over the mentioned period from 56.3% to 56.1% while among working age population it to the contrary was up from 64.2% to 64.5%.

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 (19.4%), professionals (17.9%) and services and sales workers (16.9%). 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 (0.8%).

Among the total number of the employed persons, every fifth worked for trade, every sixth for agriculture, forestry and fishery, every seventh for industry.

The number of informally employed population as compared to 2016 reduced by 6.7% and in 2017 it made up 3.7 million persons or 22.9% of the total employed population. At present, an increase in the share of officially employed population was observed; from 75.7% in 2016 to 77.1% in 2017.

The informal labour relations prevailed in the self-employment sector where a share of the population who worked on informal work places was 73.9% and among those working for wages it totaled to 13.4%. At that, a share of the persons working in the self-employment sector was the highest among the women than among the men (75.3% against 72.9%) and in the rural areas as compared to the urban settlements (92.2% against 43.9%).

Agriculture, forestry and fishery are the main type of activity for the informally employed population (42.1%). Other widely spread types of economic activity of the population in this category are wholesale and retail trade (19.6%) and construction (16.1%).

In 2017, the two thirds of the informally employed population had vocational and complete secondary education (66.7%) while among the officially employed population the persons with tertiary education (61.1%) prevailed¹. As a result, the informally employed population in most cases was employed in the simple occupations as compared to the officially employed persons (51.4% against 10/0%).

The number of the unemployed (by ILO methodology) aged 15-70 in 2017 as compared to 2016 increased by 1.2% and made up 1.7 million persons.

Among the unemployed the two thirds were residents of urban settlements (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 1.2%).

Out of the total number of the unemployed, 1.4 million persons or 80.3% worked earlier while other 0.3 million persons were looking for a job for the first time and did not have work

¹ Including the complete, base and incomplete tertiary education.

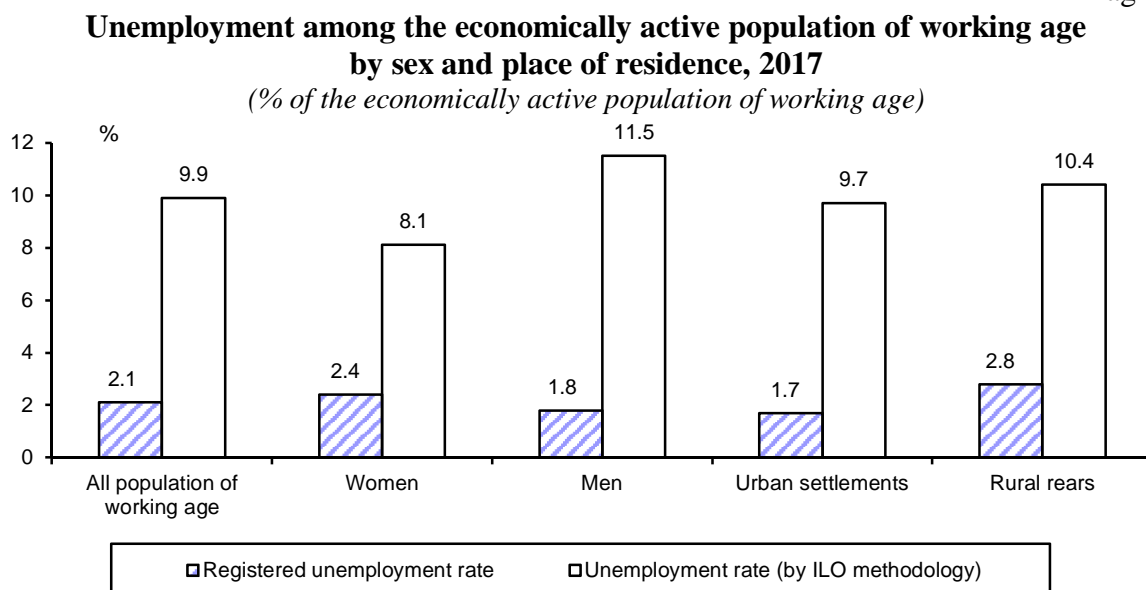
experience. The latter category mainly included the young who were not employed after graduating from educational institutions. Thus, among those unemployed in 2017, a share of persons aged 15-24 composed 77.7% while those at the age of 25-29 accounted for 20.7%.

Unemployment rate of the population aged 15-70 (by ILO methodology) across Ukraine as compared to 2016 was up by 0.2 percent point and made up 9.5% of the economically active population at the mentioned age while among the working age population it was 9.9%.

The relevant indicator among the EU countries (7.6%) was lower than in Ukraine.

Unemployment rate of the working age population (by ILO methodology) surpassed by 4.7 times the registered unemployment rate which was calculated with respect to the economically active population of working age (for women by 3.4 times, for men by 6.4 times, for urban settlements by 5.7 times, for rural areas by 3.7 times) (Diagram 1).

Diagram 1



It should be noted that in 2017 as compared to 2016, in the composition of the unemployed by unemployment cause there was the increase in the share of those not employed due to performance of household (family) responsibilities (by 1.7 percent point), dismissed through own will according to the agreement with the parties (by 1.5 percent point), the dismissed due to the economic reasons (by 0.8 percent point) and those who had seasonal work (0.4 percent point). At the same time there was the decrease in the share of the unemployed not placed in a job after graduating from general educational and tertiary educational institutions (by 3.4 percent point) and the dismissed due to end of contract term or under the labour treaty (by 1.2 percent point).

In the composition of the unemployed by duration of job search in 2017 as compared to 2016, there was the reduction in the share of persons who looked for a job from 3 to 6 months (by 2.3 percent point).

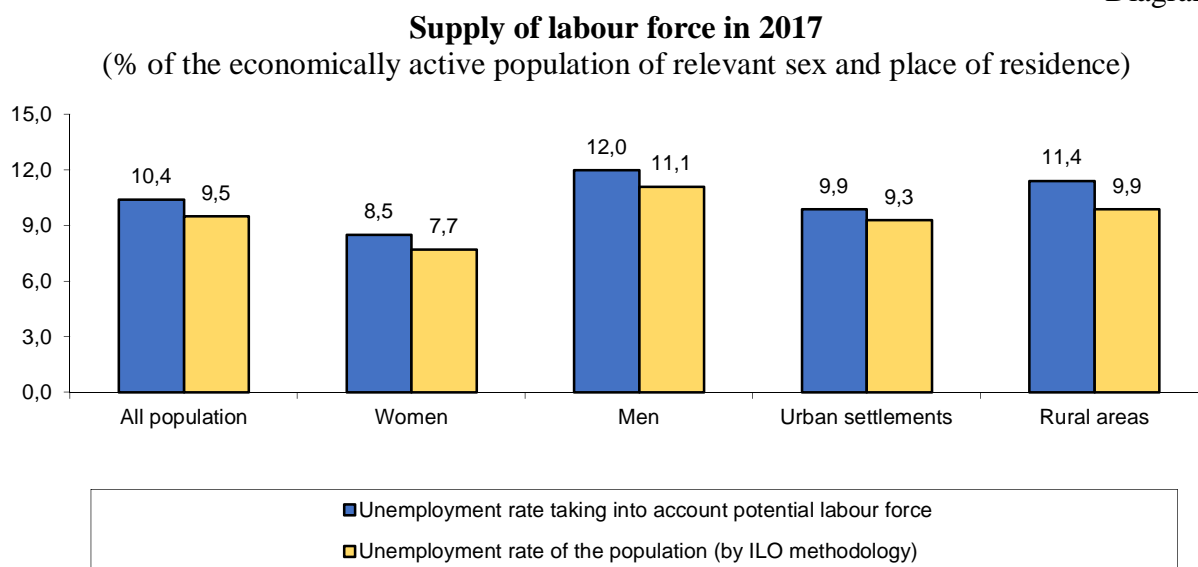
Moreover, there was the corresponding increase in the share of persons who looked for a job to 1 to month (by 1.5 percent point) and 12 months (by 1.4 percent point). The average duration of unemployment (by ILO methodology) has not changed and was 7 months.

The number of economically inactive population aged 15-70 in 2017 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 those who were looking for a job but were not ready to go to it within the next two weeks and those who did not know where and how to look for a job and were sure that there is no suitable job. Such citizens, provided they could have a favorable situation, could offer their labour force in the labor market and relate to the potential labour force. So, in 2017 the number of potential labour force among the economically inactive population was 171.2 thousand persons, or 1.6% (in 2016 ó 202.9 thousand persons, or

1.9%). Taking into account the potential labour force, the unemployment rate of the population aged 15-70 (by ILO methodology) would be 10.4% against 9.5% (Diagram 2).

Diagram 2



According to administrative data from the State Employment Service, during 2017 the unemployment status had 1,138.4 thousand persons. The average monthly number of the registered unemployed compared to 2016 decreased by 13.4% and comprised 352.5 thousand persons over the mentioned period, this makes up 20.8% of the number of the working age unemployed defined by ILO methodology. Among the mentioned unemployed, more than a half (54.1%) were women and the youth (34.7%) aged under 35.

Registered unemployment rate in 2017 on average was 2.1% of the economically active population of working age. The mentioned indicator was higher for women (2.4%) as compared to men (1.8%) and rural population (2.8%) as compared to urban residents (1.7%). The highest level of this indicator was observed in the Kirovohrad region while the lowest one was in the city of Kyiv.

Among the total number of the registered unemployed (354.4 thousand) at the end of 2017, 310.0 thousand or 87.5% had work experience, out of them every third was previously employed in agriculture, forestry and fishery; every sixth was engaged in the wholesale and retail trade; repair of motor vehicles and motorcycles, every seventh was in manufacturing; every eighth was in the state administrative and defense; compulsory social insurance.

The number of vacancies declared by employers at the end of 2017 was 50.4 thousand that is by 39.7% higher than at the end of 2016.

Out of the total number of vacancies, every fourth 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 largest number of vacancies was observed among the qualified employees with tools (23.5% of the total number of vacancies at the end of 2017) while the lowest number was among the qualified employees of agriculture and forestry, fish farming and fishing (0.9%).

The structural disproportion between the demand for labor force and its proposal is a factor that limits the satisfaction of employers' demand for employees.

The burden of the registered unemployed per one vacancy across the country decreased from 11 persons at the end of 2016 to 7 persons at the end of 2017.

The reduction in the burden of the registered unemployed per one vacancy was observed across all regions, apart from the Cherkasy region. The mentioned indicator has significantly fell in the Vinnytsya (from 52 to 25 persons), Zaporizhzhya (from 46 to 26 persons), Khmelnytskiy (from 28 to 10 persons), Donetsk (from 35 to 18 persons) and Ivano-Frankivsk (from 21 to 9 persons) regions.

ECONOMIC ACTIVITY OF POPULATION, 2017

SECTION 1

1.1. economic 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				
Total							
quarter	17,672.7	15,885.8	1,786.9	11,126.7	61.4	55.2	10.1
quarter	17,988.4	16,356.0	1,632.4	10,811.0	62.5	56.8	9.1
quarter	18,039.9	16,428.6	1,611.3	10,759.5	62.6	57.0	8.9
V quarter	17,716.4	15,955.1	1,761.3	11,083.0	61.5	55.4	9.9
year	17,854.4	16,156.4	1,698.0	10,945.0	62.0	56.1	9.5
Women							
quarter	8,340.7	7,627.7	713.0	6,791.1	55.1	50.4	8.5
quarter	8,510.5	7,923.9	586.6	6,621.3	56.2	52.4	6.9
quarter	8,497.8	7,934.9	562.9	6,634.0	56.2	52.4	6.6
V quarter	8,346.2	7,598.2	748.0	6,785.7	55.2	50.2	9.0
year	8,423.8	7,771.2	652.6	6,708.0	55.7	51.4	7.7
Men							
quarter	9,332.0	8,258.1	1,073.9	4,335.6	68.3	60.4	11.5
quarter	9,477.9	8,432.1	1,045.8	4,189.7	69.3	61.7	11.0
quarter	9,542.1	8,493.7	1,048.4	4,125.5	69.8	62.1	11.0
V quarter	9,370.2	8,356.9	1,013.3	4,297.3	68.6	61.1	10.8
year	9,430.6	8,385.2	1,045.4	4,237.0	69.0	61.4	11.1
Urban settlements							
quarter	12,162.8	11,009.3	1,153.5	7,360.3	62.3	56.4	9.5
quarter	12,304.4	11,207.7	1,096.7	7,218.7	63.0	57.4	8.9
quarter	12,337.8	11,210.0	1,127.8	7,185.3	63.2	57.4	9.1
V quarter	12,203.9	11,010.2	1,193.7	7,319.2	62.5	56.4	9.8
year	12,252.2	11,109.3	1,142.9	7,270.9	62.8	56.9	9.3
Rural areas							
quarter	5,509.9	4,876.5	633.4	3,766.4	59.4	52.6	11.5
quarter	5,684.0	5,148.3	535.7	3,592.3	61.3	55.5	9.4
quarter	5,702.1	5,218.6	483.5	3,574.2	61.5	56.3	8.5
V quarter	5,512.5	4,944.9	567.6	3,763.8	59.4	53.3	10.3
year	5,602.2	5,047.1	555.1	3,674.1	60.4	54.4	9.9

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				
Total	17,854.4	16,156.4	1,698.0	10,945.0	62.0	56.1	9.5
including by age group (years)							
15-24	1,384.9	1,122.9	262.0	2,642.3	34.4	27.9	18.9
25-29	2,308.0	2,048.2	259.8	630.1	78.6	69.7	11.3
30-34	2,718.7	2,451.5	267.2	567.9	82.7	74.6	9.8
35-39	2,451.1	2,244.6	206.5	442.5	84.7	77.6	8.4
40-49	4,570.6	4,172.6	398.0	826.7	84.7	77.3	8.7
50-59	3,759.9	3,456.1	303.8	1,736.3	68.4	62.9	8.1
60-70	661.2	660.5	0.7	4,099.2	13.9	13.9	0.1
15-34	6,411.6	5,622.6	789.0	3,840.3	62.5	54.8	12.3
15-64	17,639.3	15,941.9	1,697.4	8,807.6	66.7	60.3	9.6
working age	17,193.2	15,495.9	1,697.3	6,845.8	71.5	64.5	9.9
over working age	661.2	660.5	0.7	4,099.2	13.9	13.9	0.1

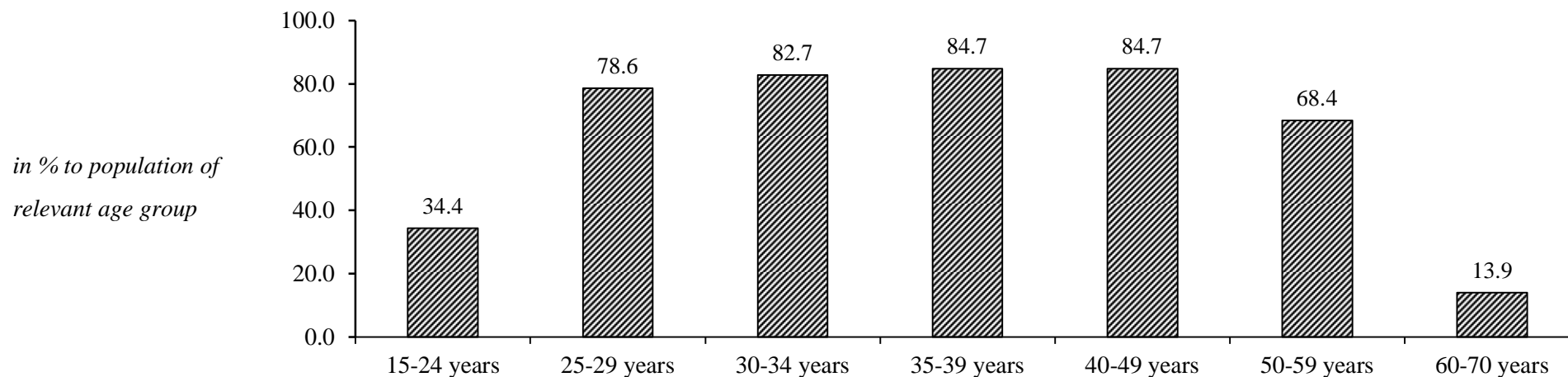
Table 1.2. continued

	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											
			employed		unemployed		women	men	women	men	women	men	women	men
Total	8,423.8	9,430.6	7,771.2	8,385.2	652.6	1,045.4	6,708.0	4,237.0	55.7	69.0	51.4	61.4	7.7	11.1
including by age group (years)														
15-24	587.6	797.3	487.7	635.2	99.9	162.1	1371.6	1270.7	30.0	38.6	24.9	30.7	17.0	20.3
25-29	944.3	1,363.7	863.4	1,184.8	80.9	178.9	492.7	137.4	65.7	90.8	60.1	78.9	8.6	13.1
30-34	1,188.3	1,530.4	1,089.9	1,361.6	98.4	168.8	431.0	136.9	73.4	91.8	67.3	81.7	8.3	11.0
35-39	1,142.0	1,309.1	1,056.6	1,188.0	85.4	121.1	311.0	131.5	78.6	90.9	72.7	82.5	7.5	9.3
40-49	2,311.5	2,259.1	2,146.3	2,026.3	165.2	232.8	480.1	346.6	82.8	86.7	76.9	77.8	7.1	10.3
50-59	1,903.6	1,856.3	1,780.8	1,675.3	122.8	181.0	1,112.7	623.6	63.1	74.9	59.0	67.6	6.5	9.8
60-70	346.5	314.7	346.5	314.0	6	0.7	2,508.9	1,590.3	12.1	16.5	12.1	16.5	6	0.2
15-34	2,720.2	3,691.4	2,441.0	3,181.6	279.2	509.8	2,295.3	1,545.0	54.2	70.5	48.7	60.8	10.3	13.8
15-64	8,304.8	9,334.5	7,652.2	8,289.7	652.6	1,044.8	5,381.2	3,426.4	60.7	73.1	55.9	65.0	7.9	11.2
working age	8,077.3	9,115.9	7,424.7	8,071.2	652.6	1,044.7	4,199.1	2,646.7	65.8	77.5	60.5	68.6	8.1	11.5
over working age	346.5	314.7	346.5	314.0	6	0.7	2,508.9	1,590.3	12.1	16.5	12.1	16.5	6	0.2

Table 1.2. continued

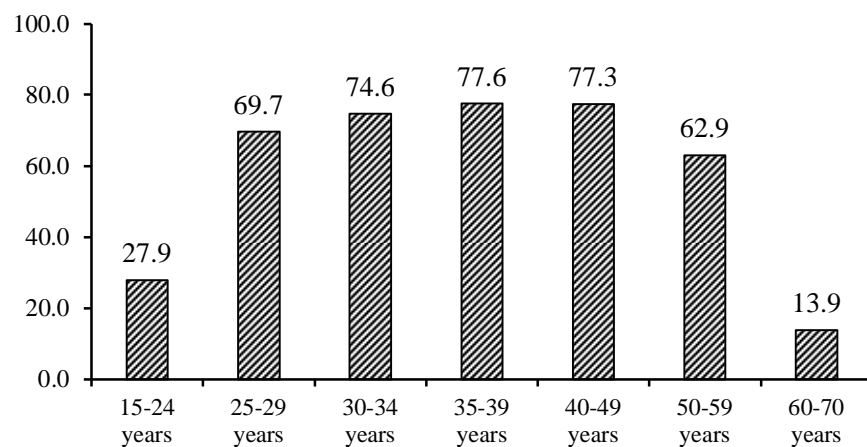
	Economically active population aged 15-70, thsd. prs.						Economically inactive population aged 15-70, thsd. prs.	Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent			
	Total		including					urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
			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	
Total	12,252.2	5,602.2	11,109.3	5,047.1	1,142.9	555.1	7,270.9	3,674.1	62.8	60.4	56.9	54.4	9.3	9.9	
including by age group (years)															
15-24	790.7	594.2	650.2	472.7	140.5	121.5	1,757.5	884.8	31.0	40.2	25.5	32.0	17.8	20.4	
25-29	1,550.7	757.3	1,379.9	668.3	170.8	89.0	377.2	252.9	80.4	75.0	71.6	66.2	11.0	11.8	
30-34	2,012.2	706.5	1,813.5	638.0	198.7	68.5	360.0	207.9	84.8	77.3	76.4	69.8	9.9	9.7	
35-39	1,767.8	683.3	1,624.6	620.0	143.2	63.3	279.8	162.7	86.3	80.8	79.3	73.3	8.1	9.3	
40-49	3,139.6	1,431.0	2,854.1	1,318.5	285.5	112.5	496.4	330.3	86.3	81.2	78.5	74.9	9.1	7.9	
50-59	2,570.4	1,189.5	2,366.9	1,089.2	203.5	100.3	1,123.3	613.0	69.6	66.0	64.1	60.4	7.9	8.4	
60-70	420.8	240.4	420.1	240.4	0.7	6	2,876.7	1,222.5	12.8	16.4	12.7	16.4	0.2	6	
15-34	4,353.6	2,058.0	3,843.6	1,779.0	510.0	279.0	2,494.7	1,345.6	63.6	60.5	56.1	52.3	11.7	13.6	
15-64	12,125.3	5,514.0	10,983.0	4,958.9	1,142.3	555.1	5,766.4	3,041.2	67.8	64.5	61.4	58.0	9.4	10.1	
working age	11,831.4	5,361.8	10,689.2	4,806.7	1,142.2	555.1	4,394.2	2,451.6	72.9	68.6	65.9	61.5	9.7	10.4	
over working age	420.8	240.4	420.1	240.4	0.7	6	2,876.7	1,222.5	12.8	16.4	12.7	16.4	0.2	6	

1.3. Economic activity rate of population, by age group



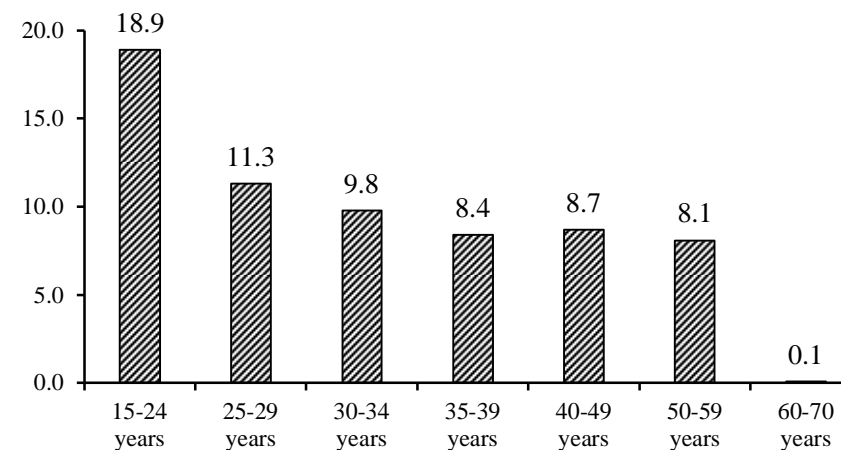
1.4. Employment rate of population, by age group

in % to population of relevant age group



1.5. Unemployment rate of population, 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				
Total	17,854.4	16,156.4	1,698.0	10,945.0	62.0	56.1	9.5
including by level of education							
complete higher	5,784.4	5,332.6	451.8	1,784.8	76.4	70.5	7.8
basic higher	199.0	171.8	27.2	176.6	53.0	45.7	13.7
uncompleted higher	3,466.9	3,155.0	311.9	1,687.0	67.3	61.2	9.0
vocational	4,697.2	4,173.5	523.7	2,078.2	69.3	61.6	11.1
complete secondary	3,358.8	3,016.8	342.0	3,727.8	47.4	42.6	10.2
basic secondary	334.4	296.3	38.1	1,310.4	20.3	18.0	11.4
primary education or not educated	13.7	10.4	:	180.2	7.1	5.4	:

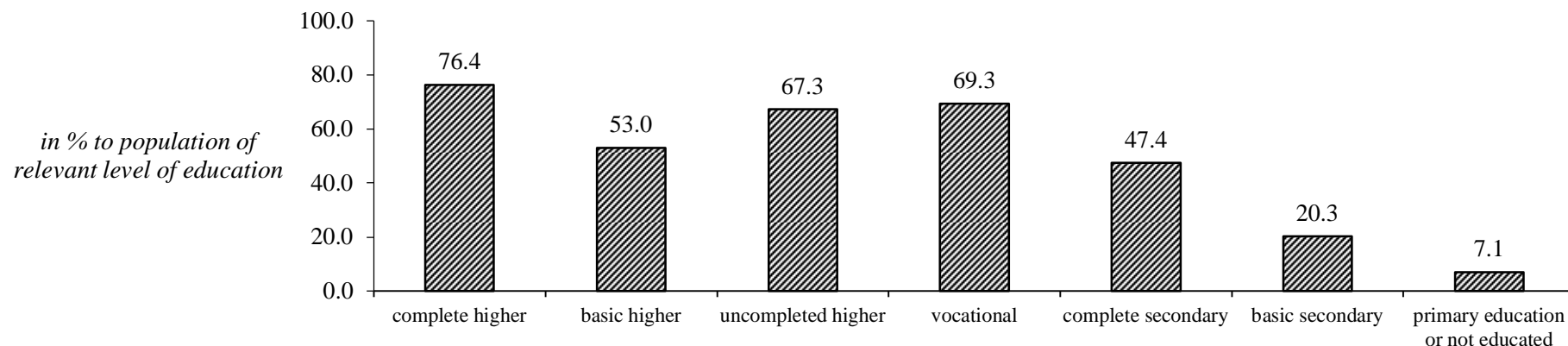
Table 1.6. continued

	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											
			women	men	women	men	women	men	women	men	women	men	women	men
Total	8,423.8	9,430.6	7,771.2	8,385.2	652.6	1,045.4	6,708.0	4,237.0	55.7	69.0	51.4	61.4	7.7	11.1
including by level of education														
complete higher	3,017.0	2,767.4	2,822.7	2,509.9	194.3	257.5	1,223.3	561.5	71.2	83.1	66.6	75.4	6.4	9.3
basic higher	98.8	100.2	92.8	79.0	6.0	21.2	106.3	70.3	48.2	58.8	45.2	46.3	6.1	21.2
uncompleted higher	1,998.0	1,468.9	1,852.8	1,302.2	145.2	166.7	1,209.8	477.2	62.3	75.5	57.8	66.9	7.3	11.3
vocational	1,633.6	3,063.6	1,470.5	2,703.0	163.1	360.6	1,082.1	996.1	60.2	75.5	54.1	66.6	10.0	11.8
complete secondary	1,528.0	1,830.8	1,400.4	1,616.4	127.6	214.4	2,280.5	1,447.3	40.1	55.8	36.8	49.3	8.4	11.7
basic secondary	144.4	190.0	128.0	168.3	16.4	21.7	719.6	590.8	16.7	24.3	14.8	21.6	11.4	11.4
primary education or not educated	4.0	9.7	4.0	6.4	:	:	86.4	93.8	4.4	9.4	4.4	6.2	:	:

Table 1.6. continued

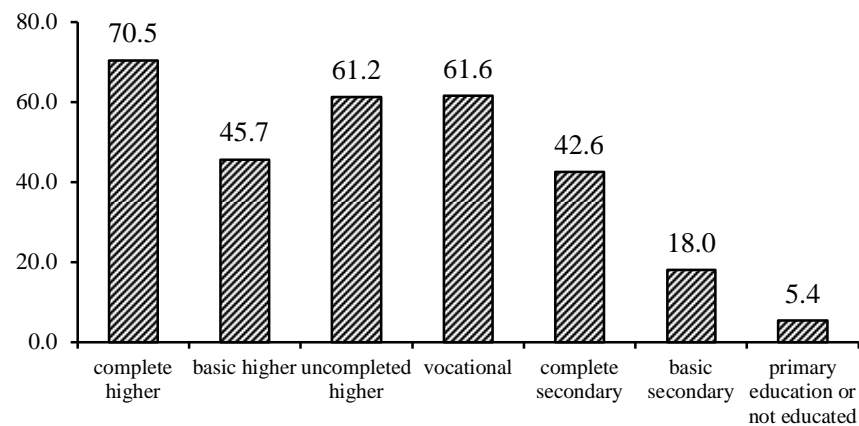
	Economically active population aged 15-70, thsd. prs						Economically inactive population aged 15-70, thsd. prs.		Economic activity rate, percent		Employment rate, percent		Unemployment rate, percent	
	Total		including											
			employed		unemployed		urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas	urban settlements	rural areas
Total	12,252.2	5,602.2	11,109.3	5,047.1	1,142.9	555.1	7,270.9	3,674.1	62.8	60.4	56.9	54.4	9.3	9.9
including by level of education														
complete higher	4,940.0	844.4	4,553.3	779.3	386.7	65.1	1,528.5	256.3	76.4	76.7	70.4	70.8	7.8	7.7
basic higher	146.4	52.6	125.1	46.7	21.3	5.9	139.4	37.2	51.2	58.6	43.8	52.0	14.5	11.2
uncompleted higher	2,525.5	941.4	2,287.4	867.6	238.1	73.8	1,283.5	403.5	66.3	70.0	60.1	64.5	9.4	7.8
vocational	2,921.1	1,776.1	2,611.6	1,561.9	309.5	214.2	1,321.1	757.1	68.9	70.1	61.6	61.7	10.6	12.1
complete secondary	1,593.3	1,765.5	1,421.1	1,595.7	172.2	169.8	2,221.5	1,506.3	41.8	54.0	37.3	48.8	10.8	9.6
basic secondary	121.1	213.3	107.1	189.2	14.0	24.1	678.9	631.5	15.1	25.2	13.4	22.4	11.6	11.3
primary education or not educated	4.8	8.9	3.7	6.7	:	:	98.0	82.2	4.7	9.8	3.6	7.4	:	:

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



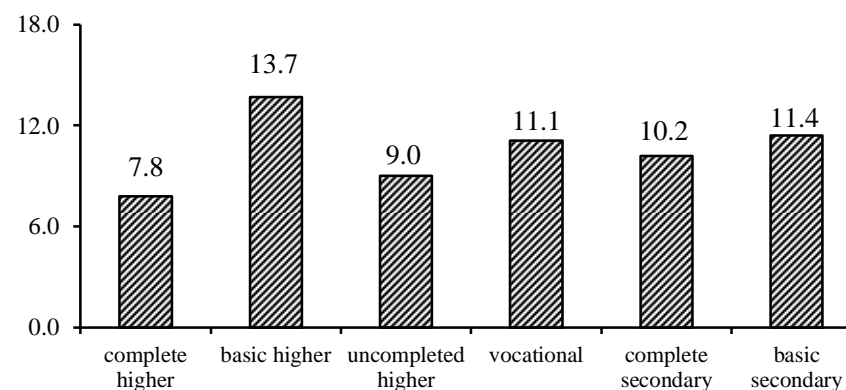
1.8. Employment rate of population, by level of education

in % to population of relevant level of education



1.9. Unemployment rate of population, by level of education

in % to population of economically active population of relevant 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				
Total	17,854.4	16,156.4	1,698.0	10,945.0	62.0	56.1	9.5
including by marital status							
married	10,991.3	10,138.9	852.4	5,241.1	67.7	62.5	7.8
never married	3,860.5	3,265.3	595.2	3,216.6	54.5	46.1	15.4
divorced	2,473.9	2,263.7	210.2	1,106.4	69.1	63.2	8.5
widow	528.7	488.5	40.2	1,380.9	27.7	25.6	7.6
Women	8,423.8	7771.2	652.6	6708.0	55.7	51.4	7.7
including by marital status							
married	4,851.3	4,534.4	316.9	3,242.2	59.9	56.0	6.5
never married	1,486.6	1,290.3	196.3	1,543.0	49.1	42.6	13.2
divorced	1,659.7	1,548.7	111.0	778.8	68.1	63.5	6.7
widow	426.2	397.8	28.4	1,144.0	27.1	25.3	6.7
Men	9,430.6	8,385.2	1,045.4	4,237.0	69.0	61.4	11.1
including by marital status							
married	6,140.0	5,604.5	535.5	1,998.9	75.4	68.9	8.7
never married	2,373.9	1,975.0	398.9	1,673.6	58.7	48.8	16.8
divorced	814.2	715.0	99.2	327.6	71.3	62.6	12.2
widow	102.5	90.7	11.8	236.9	30.2	26.7	11.5

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				
Urban settlements	12,252.2	11,109.3	1,142.9	7,270.9	62.8	56.9	9.3
including by marital status							
married	7,509.7	6,932.8	576.9	3,461.0	68.5	63.2	7.7
never married	2,551.4	2,173.5	377.9	2,098.6	54.9	46.7	14.8
divorced	1,848.5	1,692.5	156.0	809.5	69.5	63.7	8.4
widow	342.6	310.5	32.1	901.8	27.5	25.0	9.4
Rural areas	5,602.2	5,047.1	555.1	3,674.1	60.4	54.4	9.9
including by marital status							
married	3,481.6	3,206.1	275.5	1,780.1	66.2	60.9	7.9
never married	1,309.1	1,091.8	217.3	1,118.0	53.9	45.0	16.6
divorced	625.4	571.2	54.2	296.9	67.8	61.9	8.7
widow	186.1	178.0	8.1	479.1	28.0	26.8	4.4

1.11. Economic activity of population, by occupation, specialty according to diploma (certificate)
(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	
Total	17,854.4	16,156.4	1,698.0	10,945.0
including specialty groups according to certificate (diploma)				
managers (stewards) of enterprises, institutions, organizations and units	125.8	115.2	10.6	24.4
physical, mathematical and engineering science professionals	1,816.6	1,680.8	135.8	583.4
life science and health professionals	571.2	542.4	28.8	172.1
teaching professionals	1,059.2	1,007.9	51.3	372.0
other professionals	2,352.3	2,115.5	236.8	751.8
technical experts in the field of applied science and technology	1,556.8	1,367.0	189.8	690.7
specialists in biology, agronomy and medicine educators	796.7	754.8	41.9	347.8
experts in the field of education	212.3	205.3	7.0	124.6
other experts	875.9	793.2	82.7	558.4
experts in food and processing industry	67.2	61.0	6.2	26.2
officials associated with the information	135.1	113.5	21.6	63.7
customer service officials	45.8	39.9	5.9	24.5
personal and protective services workers	656.3	583.2	73.1	331.5
salespersons and demonstrators	234.1	214.9	19.2	122.0
skilled agricultural workers and fishermen	25.4	22.4	3.0	10.7
workers of mining and construction	530.9	482.6	48.3	280.4
metallurgical and mechanical engineering workers occupations	1,170.2	1,019.5	150.7	333.3
other skilled workers with a tool	424.6	379.3	45.3	237.7
workers serving industrial equipment	68.5	62.5	6.0	31.6
workers serving machines and assemblers of machines	338.2	311.8	26.4	207.1
drivers and workers servicing of movable machinery and settings	1,061.0	937.1	123.9	419.0
other occupations	25.2	24.7	0.5	15.4
did not have a profession	3,705.1	3,321.9	383.2	5,216.7

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				
Ukraine	17,854.4	16,156.4	1,698.0	10,945.0	62.0	56.1	9.5
Vinnitsia	717.4	640.9	76.5	441.6	61.9	55.3	10.7
Volyn	418.1	366.0	52.1	331.6	55.8	48.8	12.5
Dnipropetrovsk	1,520.1	1,390.9	129.2	876.9	63.4	58.0	8.5
Donetsk	859.6	734.3	125.3	625.4	57.9	49.4	14.6
Zhytomyr	572.6	510.6	62.0	332.1	63.3	56.4	10.8
Zakarpattia	554.5	496.3	58.2	367.6	60.1	53.8	10.5
Zaporizhia	805.9	719.7	86.2	498.6	61.8	55.2	10.7
Ivano-Frankivsk	610.9	559.0	51.9	406.3	60.1	55.0	8.5
Kyiv	793.0	741.1	51.9	484.7	62.1	58.0	6.5
Kirovohrad	429.4	376.8	52.6	277.2	60.8	53.3	12.2
Luhansk	350.4	292.1	58.3	183.9	65.6	54.7	16.6
Lviv	1,136.6	1,050.8	85.8	733.6	60.8	56.2	7.5
Mykolaiv	546.0	489.7	56.3	316.1	63.3	56.8	10.3
Odesa	1063.8	986.6	77.2	696.4	60.4	56.1	7.3
Poltava	653.3	575.0	78.3	411.2	61.4	54.0	12.0
Rivne	520.3	460.2	60.1	315.4	62.3	55.1	11.6
Sumy	529.4	481.4	48.0	309.8	63.1	57.4	9.1
Ternopil	453.0	399.1	53.9	328.9	57.9	51.0	11.9
Kharkiv	1,327.5	1,247.1	80.4	730.7	64.5	60.6	6.1
Kherson	497.2	442.2	55.0	290.2	63.1	56.2	11.1
Khmelnysk	566.2	516.0	50.2	376.4	60.1	54.7	8.9
Cherkasy	577.6	518.4	59.2	336.9	63.2	56.7	10.2
Chernivtsi	414.1	379.3	34.8	255.9	61.8	56.6	8.4
Chernihiv	479.6	426.1	53.5	279.9	63.1	56.1	11.2
Kyiv city	1,457.9	1,356.8	101.1	737.7	66.4	61.8	6.9

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
Ukraine	8,423.8	9,430.6	7,771.2	8,385.2	652.6	1,045.4	6,708.0	4,237.0	55.7	69.0	51.4	61.4	7.7	11.1
Vinnitsia	345.0	372.4	307.1	333.8	37.9	38.6	261.9	179.7	56.8	67.5	50.6	60.5	11.0	10.4
Volyn	200.7	217.4	176.1	189.9	24.6	27.5	188.6	143.0	51.6	60.3	45.2	52.7	12.3	12.6
Dnipropetrovsk	717.7	802.4	669.9	721.0	47.8	81.4	559.2	317.7	56.2	71.6	52.5	64.4	6.7	10.1
Donetsk	394.1	465.5	364.8	369.5	29.3	96.0	390.5	234.9	50.2	66.5	46.5	52.8	7.4	20.6
Zhytomyr	277.0	295.6	246.5	264.1	30.5	31.5	194.9	137.2	58.7	68.3	52.2	61.0	11.0	10.7
Zakarpattia	243.2	311.3	217.7	278.6	25.5	32.7	231.2	136.4	51.3	69.5	45.9	62.2	10.5	10.5
Zaporizhia	377.2	428.7	336.6	383.1	40.6	45.6	316.9	181.7	54.3	70.2	48.5	62.8	10.8	10.6
Ivano-Frankivsk	271.5	339.4	253.6	305.4	17.9	34.0	253.8	152.5	51.7	69.0	48.3	62.1	6.6	10.0
Kyiv	376.9	416.1	358.2	382.9	18.7	33.2	299.5	185.2	55.7	69.2	53.0	63.7	5.0	8.0
Kirovohrad	203.6	225.8	182.9	193.9	20.7	31.9	169.7	107.5	54.5	67.7	49.0	58.2	10.2	14.1
Luhansk	171.6	178.8	147.6	144.5	24.0	34.3	109.2	74.7	61.1	70.5	52.6	57.0	14.0	19.2
Lviv	530.8	605.8	501.6	549.2	29.2	56.6	431.5	302.1	55.2	66.7	52.1	60.5	5.5	9.3
Mykolaiv	256.0	290.0	230.5	259.2	25.5	30.8	199.0	117.1	56.3	71.2	50.7	63.7	10.0	10.6
Odesa	471.8	592.0	448.4	538.2	23.4	53.8	447.7	248.7	51.3	70.4	48.8	64.0	5.0	9.1
Poltava	307.6	345.7	282.0	293.0	25.6	52.7	253.1	158.1	54.9	68.6	50.3	58.2	8.3	15.2
Rivne	245.7	274.6	222.7	237.5	23.0	37.1	186.1	129.3	56.9	68.0	51.6	58.8	9.4	13.5
Sumy	260.0	269.4	243.2	238.2	16.8	31.2	183.9	125.9	58.6	68.2	54.8	60.3	6.5	11.6
Ternopil	219.2	233.8	195.5	203.6	23.7	30.2	186.9	142.0	54.0	62.2	48.1	54.2	10.8	12.9
Kharkiv	631.1	696.4	602.9	644.2	28.2	52.2	450.3	280.4	58.4	71.3	55.8	66.0	4.5	7.5
Kherson	221.2	276.0	199.7	242.5	21.5	33.5	193.1	97.1	53.4	74.0	48.2	65.0	9.7	12.1
Khmelnysk	266.2	300.0	250.3	265.7	15.9	34.3	225.7	150.7	54.1	66.6	50.9	59.0	6.0	11.4
Cherkasy	281.9	295.7	255.6	262.8	26.3	32.9	201.3	135.6	58.3	68.6	52.9	60.9	9.3	11.1
Chernivtsi	195.8	218.3	180.8	198.5	15.0	19.8	153.8	102.1	56.0	68.1	51.7	62.0	7.7	9.1
Chernihiv	236.2	243.4	213.0	213.1	23.2	30.3	163.8	116.1	59.1	67.7	53.3	59.3	9.8	12.4
Kyiv city	721.8	736.1	684.0	672.8	37.8	63.3	456.4	281.3	61.3	72.4	58.1	66.1	5.2	8.6

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
Ukraine	12,252.2	5,602.2	11,109.3	5,047.1	1,142.9	555.1	7,270.9	3,674.1	62.8	60.4	56.9	54.4	9.3	9.9
Vinnitsia	380.5	336.9	333.9	307.0	46.6	29.9	229.7	211.9	62.4	61.4	54.7	55.9	12.2	8.9
Volyn	233.3	184.8	208.2	157.8	25.1	27.0	171.0	160.6	57.7	53.5	51.5	45.7	10.8	14.6
Dnipropetrovsk	1,309.0	211.1	1,201.9	189.0	107.1	22.1	708.2	168.7	64.9	55.6	59.6	49.8	8.2	10.5
Donetsk	720.4	139.2	623.5	110.8	96.9	28.4	541.2	84.2	57.1	62.3	49.4	49.6	13.5	20.4
Zhytomyr	339.1	233.5	305.5	205.1	33.6	28.4	209.5	122.6	61.8	65.6	55.7	57.6	9.9	12.2
Zakarpattia	228.8	325.7	201.5	294.8	27.3	30.9	111.8	255.8	67.2	56.0	59.2	50.7	11.9	9.5
Zaporizhia	634.5	171.4	570.2	149.5	64.3	21.9	380.7	117.9	62.5	59.2	56.2	51.7	10.1	12.8
Ivano-Frankivsk	288.7	322.2	261.0	298.0	27.7	24.2	167.2	239.1	63.3	57.4	57.2	53.1	9.6	7.5
Kyiv	516.2	276.8	481.0	260.1	35.2	16.7	293.9	190.8	63.7	59.2	59.4	55.6	6.8	6.0
Kirovohrad	290.6	138.8	254.1	122.7	36.5	16.1	161.9	115.3	64.2	54.6	56.2	48.3	12.6	11.6
Luhansk	234.3	116.1	189.6	102.5	44.7	13.6	151.1	32.8	60.8	78.0	49.2	68.8	19.1	11.7
Lviv	722.8	413.8	666.1	384.7	56.7	29.1	432.3	301.3	62.6	57.9	57.7	53.8	7.8	7.0
Mykolaiv	377.5	168.5	338.7	151.0	38.8	17.5	219.4	96.7	63.2	63.5	56.7	56.9	10.3	10.4
Odesa	718.1	345.7	670.0	316.6	48.1	29.1	468.7	227.7	60.5	60.3	56.5	55.2	6.7	8.4
Poltava	417.4	235.9	373.0	202.0	44.4	33.9	253.4	157.8	62.2	59.9	55.6	51.3	10.6	14.4
Rivne	241.2	279.1	214.0	246.2	27.2	32.9	174.2	141.2	58.1	66.4	51.5	58.6	11.3	11.8
Sumy	358.9	170.5	324.1	157.3	34.8	13.2	228.5	81.3	61.1	67.7	55.2	62.5	9.7	7.7
Ternopil	241.3	211.7	215.5	183.6	25.8	28.1	118.7	210.2	67.0	50.2	59.9	43.5	10.7	13.3
Kharkiv	1,085.2	242.3	1,017.9	229.2	67.3	13.1	588.2	142.5	64.9	63.0	60.8	59.6	6.2	5.4
Kherson	294.3	202.9	254.5	187.7	39.8	15.2	189.0	101.2	60.9	66.7	52.7	61.7	13.5	7.5
Khmelnysk	322.5	243.7	301.8	214.2	20.7	29.5	230.4	146.0	58.3	62.5	54.6	55.0	6.4	12.1
Cherkasy	348.6	229.0	314.6	203.8	34.0	25.2	187.0	149.9	65.1	60.4	58.7	53.8	9.8	11.0
Chernivtsi	162.9	251.2	141.1	238.2	21.8	13.0	135.4	120.5	54.6	67.6	47.3	64.1	13.4	5.2
Chernihiv	328.2	151.4	290.8	135.3	37.4	16.1	181.8	98.1	64.4	60.7	57.0	54.2	11.4	10.6
Kyiv city	1,457.9	6	1,356.8	6	101.1	61	6	737.7	6	66.4	6	61.8	6	6

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				
Ukraine	17,193.2	15,495.9	1,697.3	6,845.8	71.5	64.5	9.9
Vinnitsia	694.3	617.8	76.5	272.6	71.8	63.9	11.0
Volyn	413.5	361.4	52.1	231.0	64.2	56.1	12.6
Dnipropetrovsk	1,475.5	1,346.3	129.2	513.9	74.2	67.7	8.8
Donetsk	831.0	705.7	125.3	380.6	68.6	58.2	15.1
Zhytomyr	547.2	485.2	62.0	211.6	72.1	63.9	11.3
Zakarpattia	539.3	481.1	58.2	254.3	68.0	60.6	10.8
Zaporizhia	780.5	694.3	86.2	289.1	73.0	64.9	11.0
Ivano-Frankivsk	578.3	526.4	51.9	294.3	66.3	60.3	9.0
Kyiv	780.1	728.2	51.9	291.7	72.8	67.9	6.7
Kirovohrad	416.4	363.8	52.6	166.5	71.4	62.4	12.6
Luhansk	330.7	272.4	58.3	104.0	76.1	62.7	17.6
Lviv	1,119.7	1,033.9	85.8	476.4	70.2	64.8	7.7
Mykolaiv	529.0	472.7	56.3	185.1	74.1	66.2	10.6
Odesa	1038.2	961.0	77.2	434.5	70.5	65.3	7.4
Poltava	640.3	562.0	78.3	240.7	72.7	63.8	12.2
Rivne	476.8	416.7	60.1	243.8	66.2	57.8	12.6
Sumy	498.0	450.0	48.0	188.2	72.6	65.6	9.6
Ternopil	441.6	387.7	53.9	222.8	66.5	58.4	12.2
Kharkiv	1,285.1	1,204.7	80.4	412.8	75.7	71.0	6.3
Kherson	488.1	433.1	55.0	164.8	74.8	66.3	11.3
Khmelnysk	545.8	495.6	50.2	237.9	69.6	63.2	9.2
Cherkasy	566.6	507.4	59.2	185.0	75.4	67.5	10.4
Chernivtsi	366.6	331.8	34.8	205.5	64.1	58.0	9.5
Chernihiv	458.0	404.5	53.5	159.0	74.2	65.6	11.7
Kyiv city	1,352.6	1,252.2	100.4	479.7	73.8	68.3	7.4

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
Ukraine	8,077.3	9,115.9	7,424.7	8,071.2	652.6	1,044.7	4,199.1	2,646.7	65.8	77.5	60.5	68.6	8.1	11.5
Vinnitsia	332.2	362.1	294.3	323.5	37.9	38.6	161.0	111.6	67.4	76.4	59.7	68.3	11.4	10.7
Volyn	198.4	215.1	173.8	187.6	24.6	27.5	129.1	101.9	60.6	67.9	53.1	59.2	12.4	12.8
Dnipropetrovsk	694.9	780.6	647.1	699.2	47.8	81.4	331.2	182.7	67.7	81.0	63.1	72.6	6.9	10.4
Donetsk	377.8	453.2	348.5	357.2	29.3	96.0	241.5	139.1	61.0	76.5	56.3	60.3	7.8	21.2
Zhytomyr	264.0	283.2	233.5	251.7	30.5	31.5	120.6	91.0	68.6	75.7	60.7	67.3	11.6	11.1
Zakarpattia	238.4	300.9	212.9	268.2	25.5	32.7	161.8	92.5	59.6	76.5	53.2	68.2	10.7	10.9
Zaporizhia	362.9	417.6	322.3	372.0	40.6	45.6	187.9	101.2	65.9	80.5	58.5	71.7	11.2	10.9
Ivano-Frankivsk	252.8	325.5	234.9	291.5	17.9	34.0	188.2	106.1	57.3	75.4	53.3	67.5	7.1	10.4
Kyiv	369.8	410.3	351.1	377.1	18.7	33.2	182.8	108.9	66.9	79.0	63.5	72.6	5.1	8.1
Kirovohrad	197.8	218.6	177.1	186.7	20.7	31.9	100.5	66.0	66.3	76.8	59.4	65.6	10.5	14.6
Luhansk	161.0	169.7	137.0	135.4	24.0	34.3	60.3	43.7	72.8	79.5	61.9	63.4	14.9	20.2
Lviv	522.5	597.2	493.3	540.6	29.2	56.6	279.1	197.3	65.2	75.2	61.5	68.0	5.6	9.5
Mykolaiv	246.8	282.2	221.3	251.4	25.5	30.8	119.0	66.1	67.5	81.0	60.5	72.2	10.3	10.9
Odesa	458.6	579.6	435.2	525.8	23.4	53.8	288.1	146.4	61.4	79.8	58.3	72.4	5.1	9.3
Poltava	300.9	339.4	275.3	286.7	25.6	52.7	149.0	91.7	66.9	78.7	61.2	66.5	8.5	15.5
Rivne	223.2	253.6	200.2	216.5	23.0	37.1	141.2	102.6	61.3	71.2	54.9	60.8	10.3	14.6
Sumy	243.0	255.0	226.2	223.8	16.8	31.2	109.5	78.7	68.9	76.4	64.2	67.1	6.9	12.2
Ternopil	214.0	227.6	190.3	197.4	23.7	30.2	123.2	99.6	63.5	69.6	56.4	60.3	11.1	13.3
Kharkiv	611.2	673.9	583.0	621.7	28.2	52.2	250.1	162.7	71.0	80.6	67.7	74.3	4.6	7.7
Kherson	217.5	270.6	196.0	237.1	21.5	33.5	116.1	48.7	65.2	84.7	58.8	74.3	9.9	12.4
Khmelnysk	255.5	290.3	239.6	256.0	15.9	34.3	142.5	95.4	64.2	75.3	60.2	66.4	6.2	11.8
Cherkasy	277.0	289.6	250.7	256.7	26.3	32.9	109.0	76.0	71.8	79.2	64.9	70.2	9.5	11.4
Chernivtsi	168.4	198.2	153.4	178.4	15.0	19.8	123.6	81.9	57.7	70.8	52.5	63.7	8.9	10.0
Chernihiv	223.7	234.3	200.5	204.0	23.2	30.3	90.4	68.6	71.2	77.4	63.8	67.3	10.4	12.9
Kyiv city	665.0	687.6	627.2	625.0	37.8	62.6	293.4	186.3	69.4	78.7	65.4	71.5	5.7	9.1

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					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	
Ukraine	11,831.4	5,361.8	10,689.2	4,806.7	1,142.2	555.1	4,394.2	2,451.6	72.9	68.6	65.9	61.5	9.7	10.4	
Vinnytsia	369.9	324.4	323.3	294.5	46.6	29.9	139.5	133.1	72.6	70.9	63.5	64.4	12.6	9.2	
Volyn	230.1	183.4	205.0	156.4	25.1	27.0	114.5	116.5	66.8	61.2	59.5	52.2	10.9	14.7	
Dnipropetrovsk	1,270.4	205.1	1,163.3	183.0	107.1	22.1	401.8	112.1	76.0	64.7	69.6	57.7	8.4	10.8	
Donetsk	695.6	135.4	598.7	107.0	96.9	28.4	333.7	46.9	67.6	74.3	58.2	58.7	13.9	21.0	
Zhytomyr	324.0	223.2	290.4	194.8	33.6	28.4	134.6	77.0	70.6	74.4	63.3	64.9	10.4	12.7	
Zakarpattia	222.3	317.0	195.0	286.1	27.3	30.9	67.3	187.0	76.8	62.9	67.3	56.8	12.3	9.7	
Zaporizhia	617.0	163.5	552.7	141.6	64.3	21.9	212.2	76.9	74.4	68.0	66.7	58.9	10.4	13.4	
Ivano-Frankivsk	277.2	301.1	249.5	276.9	27.7	24.2	112.3	182.0	71.2	62.3	64.1	57.3	10.0	8.0	
Kyiv	508.6	271.5	473.4	254.8	35.2	16.7	173.4	118.3	74.6	69.7	69.4	65.4	6.9	6.2	
Kirovohrad	281.1	135.3	244.6	119.2	36.5	16.1	90.5	76.0	75.6	64.0	65.8	56.4	13.0	11.9	
Luhansk	228.0	102.7	183.3	89.1	44.7	13.6	85.4	18.6	72.8	84.7	58.5	73.5	19.6	13.2	
Lviv	713.3	406.4	656.6	377.3	56.7	29.1	266.5	209.9	72.8	65.9	67.0	61.2	7.9	7.2	
Mykolaiv	365.5	163.5	326.7	146.0	38.8	17.5	124.8	60.3	74.5	73.1	66.6	65.2	10.6	10.7	
Odesa	700.7	337.5	652.6	308.4	48.1	29.1	285.6	148.9	71.0	69.4	66.2	63.4	6.9	8.6	
Poltava	410.6	229.7	366.2	195.8	44.4	33.9	143.5	97.2	74.1	70.3	66.1	59.9	10.8	14.8	
Rivne	226.4	250.4	199.2	217.5	27.2	32.9	128.9	114.9	63.7	68.5	56.1	59.5	12.0	13.1	
Sumy	344.7	153.3	309.9	140.1	34.8	13.2	136.1	52.1	71.7	74.6	64.5	68.2	10.1	8.6	
Ternopil	233.9	207.7	208.1	179.6	25.8	28.1	71.0	151.8	76.7	57.8	68.3	50.0	11.0	13.5	
Kharkiv	1,048.8	236.3	981.5	223.2	67.3	13.1	332.0	80.8	76.0	74.5	71.1	70.4	6.4	5.5	
Kherson	289.1	199.0	249.3	183.8	39.8	15.2	108.5	56.3	72.7	77.9	62.7	72.0	13.8	7.6	
Khmelnysk	315.0	230.8	294.3	201.3	20.7	29.5	148.0	89.9	68.0	72.0	63.6	62.8	6.6	12.8	
Cherkasy	340.6	226.0	306.6	200.8	34.0	25.2	100.8	84.2	77.2	72.9	69.5	64.7	10.0	11.2	
Chernivtsi	150.1	216.5	128.3	203.5	21.8	13.0	102.9	102.6	59.3	67.8	50.7	63.8	14.5	6.0	
Chernihiv	315.9	142.1	278.5	126.0	37.4	16.1	100.7	58.3	75.8	70.9	66.9	62.9	11.8	11.3	
Kyiv city	1,352.6	6	1,252.2	6	100.4	6	479.7	6	73.8	6	68.3	6	7.4	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
Ukraine	17,854.4	1,384.9	2,308.0	2,718.7	2,451.1	4,570.6	3,759.9	661.2	6,411.6	17,193.2
Vinnitsia	717.4	62.0	91.6	100.7	93.4	190.6	156.0	23.1	254.3	694.3
Volyn	418.1	40.8	58.7	67.7	58.7	103.1	84.5	4.6	167.2	413.5
Dnipropetrovsk	1,520.1	86.0	203.0	239.9	215.5	396.7	334.4	44.6	528.9	1,475.5
Donetsk	859.6	64.7	112.7	133.4	124.4	219.3	176.5	28.6	310.8	831.0
Zhytomyr	572.6	60.2	71.7	81.8	72.8	146.4	114.3	25.4	213.7	547.2
Zakarpattia	554.5	68.8	75.7	81.0	75.5	129.4	108.9	15.2	225.5	539.3
Zaporizhia	805.9	61.4	99.1	121.2	105.7	209.5	183.6	25.4	281.7	780.5
Ivano-Frankivsk	610.9	61.1	82.0	94.5	80.0	144.0	116.7	32.6	237.6	578.3
Kyiv	793.0	59.6	106.1	132.7	112.3	212.0	157.4	12.9	298.4	780.1
Kirovohrad	429.4	40.8	55.3	57.9	51.3	113.3	97.8	13.0	154.0	416.4
Luhansk	350.4	28.6	45.1	49.6	46.8	88.7	71.9	19.7	123.3	330.7
Lviv	1,136.6	106.4	155.4	186.6	158.0	279.9	233.4	16.9	448.4	1,119.7
Mykolaiv	546.0	34.6	68.4	83.0	74.2	143.9	124.9	17.0	186.0	529.0
Odesa	1,063.8	81.4	132.4	167.1	148.6	285.7	223.0	25.6	380.9	1,038.2
Poltava	653.3	42.6	90.4	99.6	85.8	183.9	138.0	13.0	232.6	640.3
Rivne	520.3	56.7	62.9	71.5	67.9	122.6	95.2	43.5	191.1	476.8
Sumy	529.4	33.3	64.1	74.1	68.9	138.0	119.6	31.4	171.5	498.0
Ternopil	453.0	45.5	60.2	67.8	62.9	108.3	96.9	11.4	173.5	441.6
Kharkiv	1,327.5	74.7	167.9	208.8	194.8	342.6	296.3	42.4	451.4	1,285.1
Kherson	497.2	48.5	64.4	70.3	65.3	129.4	110.2	9.1	183.2	488.1
Khmelnytsk	566.2	51.5	73.4	80.6	69.7	146.6	124.0	20.4	205.5	545.8
Cherkasy	577.6	36.3	76.7	86.8	78.7	156.7	131.4	11.0	199.8	566.6
Chernivtsi	414.1	33.2	46.8	57.0	54.3	100.7	74.6	47.5	137.0	366.6
Chernihiv	479.6	37.2	62.4	74.2	58.9	115.8	109.5	21.6	173.8	458.0
Kyiv city	1,457.9	69.0	181.6	230.9	226.7	363.5	280.9	105.3	481.5	1,352.6

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
Ukraine	62.0	34.4	78.6	82.7	84.7	84.7	68.4	13.9	62.5	71.5
Vinnycsia	61.9	36.2	77.0	80.4	87.4	85.7	70.1	12.0	61.2	71.8
Volyn	55.8	33.4	72.1	76.4	75.8	75.0	61.5	4.4	57.2	64.2
Dnipropetrovsk	63.4	28.5	83.2	86.3	87.5	88.3	71.2	10.9	64.2	74.2
Donetsk	57.9	38.1	77.5	78.9	81.6	79.3	59.1	10.5	64.2	68.6
Zhytomyr	63.3	44.1	76.8	81.2	85.7	85.5	66.5	17.4	64.6	72.1
Zakarpattya	60.1	44.6	74.8	76.9	79.1	75.0	66.2	11.8	62.5	68.0
Zaporizhia	61.8	38.5	75.4	84.1	81.7	85.5	70.6	10.8	64.7	73.0
Ivano-Frankivsk	60.1	37.2	74.1	82.0	79.1	76.4	60.4	22.5	60.9	66.3
Kyiv	62.1	36.1	79.8	85.8	87.3	87.7	63.2	6.3	65.9	72.8
Kirovohrad	60.8	42.3	74.7	78.6	79.3	83.6	70.6	10.5	63.1	71.4
Luhansk	65.6	45.4	84.9	85.7	90.3	89.1	65.8	19.8	70.9	76.1
Lviv	60.8	36.0	80.4	85.7	85.1	82.0	64.4	6.2	63.4	70.2
Mykolaiv	63.3	30.0	76.2	84.5	87.0	90.4	75.1	11.5	61.3	74.1
Odesa	60.4	32.3	72.3	81.1	83.3	86.0	69.6	8.9	59.4	70.5
Poltava	61.4	31.1	83.5	86.1	83.5	88.4	66.0	7.1	64.4	72.7
Rivne	62.3	39.0	70.5	74.7	81.0	79.8	62.3	37.8	57.9	66.2
Sumy	63.1	31.5	78.7	81.6	85.1	87.5	70.6	20.5	61.7	72.6
Ternopil	57.9	37.3	74.3	77.2	80.4	74.8	64.3	9.7	59.7	66.5
Kharkiv	64.5	27.3	83.5	88.6	91.2	89.6	75.8	11.8	63.5	75.7
Kherson	63.1	44.8	78.7	79.6	85.9	88.3	72.5	6.8	65.8	74.8
Khmelnysk	60.1	38.3	76.3	80.8	77.7	81.9	67.1	12.8	62.2	69.6
Cherkasy	63.2	30.4	83.2	87.3	92.6	89.5	72.9	6.8	64.2	75.4
Chernivtsi	61.8	29.5	67.2	73.0	79.5	81.7	62.0	48.5	52.7	64.1
Chernihiv	63.1	39.8	81.8	86.4	83.0	83.1	72.5	15.2	68.0	74.2
Kyiv city	66.4	22.5	87.2	84.0	88.6	87.5	75.8	29.0	60.9	73.8

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
Ukraine	16,156.4	1,122.9	2,048.2	2,451.5	2,244.6	4,172.6	3,456.1	660.5	5,622.6	15,495.9
Vinnitsia	640.9	51.1	82.7	88.1	86.9	170.3	138.7	23.1	221.9	617.8
Volyn	366.0	27.9	52.1	57.7	57.9	95.8	70.0	4.6	137.7	361.4
Dnipropetrovsk	1,390.9	78.3	181.4	219.6	196.7	365.7	304.6	44.6	479.3	1,346.3
Donetsk	734.3	46.2	85.6	106.5	113.0	196.9	157.5	28.6	238.3	705.7
Zhytomyr	510.6	50.5	70.0	70.8	64.1	124.7	105.1	25.4	191.3	485.2
Zakarpattia	496.3	58.0	64.5	72.4	68.1	121.4	96.7	15.2	194.9	481.1
Zaporizhia	719.7	52.2	85.9	103.8	95.6	188.3	168.5	25.4	241.9	694.3
Ivano-Frankivsk	559.0	46.2	76.3	90.3	75.7	133.5	104.4	32.6	212.8	526.4
Kyiv	741.1	51.1	98.3	126.5	106.1	202.4	143.8	12.9	275.9	728.2
Kirovohrad	376.8	34.6	42.9	51.4	44.3	104.6	86.0	13.0	128.9	363.8
Luhansk	292.1	20.5	35.9	42.8	37.3	74.2	61.7	19.7	99.2	272.4
Lviv	1,050.8	87.1	139.1	174.9	156.0	259.8	217.0	16.9	401.1	1,033.9
Mykolaiv	489.7	30.1	61.1	69.5	65.8	132.2	114.0	17.0	160.7	472.7
Odesa	986.6	66.3	125.8	157.0	133.9	267.1	210.9	25.6	349.1	961.0
Poltava	575.0	38.5	74.9	84.3	79.5	156.6	128.2	13.0	197.7	562.0
Rivne	460.2	40.3	54.5	67.0	58.8	103.1	93.0	43.5	161.8	416.7
Sumy	481.4	24.8	56.9	65.8	61.3	128.9	112.3	31.4	147.5	450.0
Ternopil	399.1	32.2	48.1	60.0	56.9	98.4	92.1	11.4	140.3	387.7
Kharkiv	1,247.1	59.7	153.8	199.3	185.4	320.4	286.1	42.4	412.8	1,204.7
Kherson	442.2	38.3	55.9	60.4	60.8	115.0	102.7	9.1	154.6	433.1
Khmelnysk	516.0	42.9	68.0	74.7	59.6	132.3	118.1	20.4	185.6	495.6
Cherkasy	518.4	31.6	72.7	79.0	64.0	143.1	117.0	11.0	183.3	507.4
Chernivtsi	379.3	27.9	40.2	51.2	50.4	94.5	67.6	47.5	119.3	331.8
Chernihiv	426.1	29.0	55.8	60.6	51.1	106.2	101.8	21.6	145.4	404.5
Kyiv city	1,356.8	57.6	165.8	217.9	215.4	337.2	258.3	104.6	441.3	1,252.2

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
Ukraine	56.1	27.9	69.7	74.6	77.6	77.3	62.9	13.9	54.8	64.5
Vinnitsia	55.3	29.9	69.6	70.4	81.3	76.6	62.4	12.0	53.4	63.9
Volyn	48.8	22.8	64.0	65.1	74.8	69.7	50.9	4.4	47.1	56.1
Dnipropetrovsk	58.0	25.9	74.3	79.0	79.8	81.4	64.8	10.9	58.2	67.7
Donetsk	49.4	27.2	58.9	63.0	74.1	71.2	52.8	10.5	49.2	58.2
Zhytomyr	56.4	37.0	74.9	70.2	75.5	72.8	61.1	17.4	57.8	63.9
Zakarpattia	53.8	37.6	63.7	68.7	71.4	70.3	58.7	11.8	54.0	60.6
Zaporizhia	55.2	32.7	65.3	72.0	73.9	76.9	64.8	10.8	55.6	64.9
Ivano-Frankivsk	55.0	28.2	69.0	78.4	74.9	70.9	54.0	22.5	54.6	60.3
Kyiv	58.0	31.0	73.9	81.8	82.5	83.8	57.7	6.3	61.0	67.9
Kirovohrad	53.3	35.9	58.0	69.7	68.5	77.1	62.1	10.5	52.8	62.4
Luhansk	54.7	32.5	67.6	73.9	72.0	74.5	56.5	19.8	57.0	62.7
Lviv	56.2	29.4	72.0	80.3	84.0	76.1	59.9	6.2	56.7	64.8
Mykolaiv	56.8	26.1	68.0	70.8	77.1	83.1	68.5	11.5	53.0	66.2
Odesa	56.1	26.3	68.7	76.2	75.1	80.4	65.8	8.9	54.4	65.3
Poltava	54.0	28.1	69.2	72.9	77.3	75.3	61.3	7.1	54.8	63.8
Rivne	55.1	27.7	61.1	70.0	70.2	67.1	60.9	37.8	49.0	57.8
Sumy	57.4	23.4	69.8	72.5	75.7	81.7	66.3	20.5	53.0	65.6
Ternopil	51.0	26.4	59.4	68.3	72.8	68.0	61.1	9.7	48.3	58.4
Kharkiv	60.6	21.8	76.5	84.6	86.8	83.8	73.2	11.8	58.1	71.0
Kherson	56.2	35.4	68.3	68.4	80.0	78.5	67.6	6.8	55.5	66.3
Khmelnysk	54.7	31.9	70.7	74.8	66.4	74.0	63.9	12.8	56.2	63.2
Cherkasy	56.7	26.4	78.9	79.5	75.3	81.7	64.9	6.8	58.9	67.5
Chernivtsi	56.6	24.8	57.8	65.6	73.8	76.6	56.2	48.5	45.8	58.0
Chernihiv	56.1	31.0	73.1	70.5	72.0	76.2	67.4	15.2	56.9	65.6
Kyiv city	61.8	18.8	79.6	79.3	84.2	81.2	69.7	28.8	55.8	68.3

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
Ukraine	1,698.0	262.0	259.8	267.2	206.5	398.0	303.8	0.7	789.0	1,697.3
Vinnytsia	76.5	10.9	8.9	12.6	6.5	20.3	17.3	ó	32.4	76.5
Volyn	52.1	12.9	6.6	10.0	0.8	7.3	14.5	ó	29.5	52.1
Dnipropetrovsk	129.2	7.7	21.6	20.3	18.8	31.0	29.8	ó	49.6	129.2
Donetsk	125.3	18.5	27.1	26.9	11.4	22.4	19.0	ó	72.5	125.3
Zhytomyr	62.0	9.7	1.7	11.0	8.7	21.7	9.2	ó	22.4	62.0
Zakarpattia	58.2	10.8	11.2	8.6	7.4	8.0	12.2	ó	30.6	58.2
Zaporizhia	86.2	9.2	13.2	17.4	10.1	21.2	15.1	ó	39.8	86.2
Ivano-Frankivsk	51.9	14.9	5.7	4.2	4.3	10.5	12.3	ó	24.8	51.9
Kyiv	51.9	8.5	7.8	6.2	6.2	9.6	13.6	ó	22.5	51.9
Kirovohrad	52.6	6.2	12.4	6.5	7.0	8.7	11.8	ó	25.1	52.6
Luhansk	58.3	8.1	9.2	6.8	9.5	14.5	10.2	ó	24.1	58.3
Lviv	85.8	19.3	16.3	11.7	2.0	20.1	16.4	ó	47.3	85.8
Mykolaiv	56.3	4.5	7.3	13.5	8.4	11.7	10.9	ó	25.3	56.3
Odesa	77.2	15.1	6.6	10.1	14.7	18.6	12.1	ó	31.8	77.2
Poltava	78.3	4.1	15.5	15.3	6.3	27.3	9.8	ó	34.9	78.3
Rivne	60.1	16.4	8.4	4.5	9.1	19.5	2.2	ó	29.3	60.1
Sumy	48.0	8.5	7.2	8.3	7.6	9.1	7.3	ó	24.0	48.0
Ternopil	53.9	13.3	12.1	7.8	6.0	9.9	4.8	ó	33.2	53.9
Kharkiv	80.4	15.0	14.1	9.5	9.4	22.2	10.2	ó	38.6	80.4
Kherson	55.0	10.2	8.5	9.9	4.5	14.4	7.5	ó	28.6	55.0
Khmelnysk	50.2	8.6	5.4	5.9	10.1	14.3	5.9	ó	19.9	50.2
Cherkasy	59.2	4.7	4.0	7.8	14.7	13.6	14.4	ó	16.5	59.2
Chernivtsi	34.8	5.3	6.6	5.8	3.9	6.2	7.0	ó	17.7	34.8
Chernihiv	53.5	8.2	6.6	13.6	7.8	9.6	7.7	ó	28.4	53.5
Kyiv city	101.1	11.4	15.8	13.0	11.3	26.3	22.6	0.7	40.2	100.4

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
Ukraine	9.5	18.9	11.3	9.8	8.4	8.7	8.1	0.1	12.3	9.9
Vinnysia	10.7	17.6	9.7	12.5	7.0	10.7	11.1	6	12.7	11.0
Volyn	12.5	31.6	11.2	14.8	1.4	7.1	17.2	6	17.6	12.6
Dnipropetrovsk	8.5	9.0	10.6	8.5	8.7	7.8	8.9	6	9.4	8.8
Donetsk	14.6	28.6	24.0	20.2	9.2	10.2	10.8	6	23.3	15.1
Zhytomyr	10.8	16.1	2.4	13.4	12.0	14.8	8.0	6	10.5	11.3
Zakarpattia	10.5	15.7	14.8	10.6	9.8	6.2	11.2	6	13.6	10.8
Zaporizhia	10.7	15.0	13.3	14.4	9.6	10.1	8.2	6	14.1	11.0
Ivano-Frankivsk	8.5	24.4	7.0	4.4	5.4	7.3	10.5	6	10.4	9.0
Kyiv	6.5	14.3	7.4	4.7	5.5	4.5	8.6	6	7.5	6.7
Kirovohrad	12.2	15.2	22.4	11.2	13.6	7.7	12.1	6	16.3	12.6
Luhansk	16.6	28.3	20.4	13.7	20.3	16.3	14.2	6	19.5	17.6
Lviv	7.5	18.1	10.5	6.3	1.3	7.2	7.0	6	10.5	7.7
Mykolaiv	10.3	13.0	10.7	16.3	11.3	8.1	8.7	6	13.6	10.6
Odesa	7.3	18.6	5.0	6.0	9.9	6.5	5.4	6	8.3	7.4
Poltava	12.0	9.6	17.1	15.4	7.3	14.8	7.1	6	15.0	12.2
Rivne	11.6	28.9	13.4	6.3	13.4	15.9	2.3	6	15.3	12.6
Sumy	9.1	25.5	11.2	11.2	11.0	6.6	6.1	6	14.0	9.6
Ternopil	11.9	29.2	20.1	11.5	9.5	9.1	5.0	6	19.1	12.2
Kharkiv	6.1	20.1	8.4	4.5	4.8	6.5	3.4	6	8.6	6.3
Kherson	11.1	21.0	13.2	14.1	6.9	11.1	6.8	6	15.6	11.3
Khmelnysk	8.9	16.7	7.4	7.3	14.5	9.8	4.8	6	9.7	9.2
Cherkasy	10.2	12.9	5.2	9.0	18.7	8.7	11.0	6	8.3	10.4
Chernivtsi	8.4	16.0	14.1	10.2	7.2	6.2	9.4	6	12.9	9.5
Chernihiv	11.2	22.0	10.6	18.3	13.2	8.3	7.0	6	16.3	11.7
Kyiv city	6.9	16.5	8.7	5.6	5.0	7.2	8.0	0.7	8.3	7.4

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
Ukraine	10,945.0	2,642.3	630.1	567.9	442.5	826.7	1,736.3	4,099.2,	3,840.3	6,845.8
Vinnysia	441.6	109.1	27.3	24.5	13.5	31.8	66.4	169.0	160.9	272.6
Volyn	331.6	81.4	22.7	20.9	18.7	34.4	52.9	100.6	125.0	231.0
Dnipropetrovsk	876.9	216.2	41.0	38.0	30.9	52.5	135.3	363.0	295.2	513.9
Donetsk	625.4	105.0	32.7	35.7	28.0	57.2	122.0	244.8	173.4	380.6
Zhytomyr	332.1	76.3	21.7	19.0	12.1	24.8	57.7	120.5	117.0	211.6
Zakarpattia	367.6	85.6	25.5	24.4	19.9	43.2	55.7	113.3	135.5	254.3
Zaporizhia	498.6	98.1	32.4	22.9	23.7	35.4	76.6	209.5	153.4	289.1
Ivano-Frankivsk	406.3	103.0	28.6	20.7	21.1	44.4	76.5	112.0	152.3	294.3
Kyiv	484.7	105.3	26.9	21.9	16.3	29.6	91.7	193.0	154.1	291.7
Kirovohrad	277.2	55.6	18.7	15.8	13.4	22.3	40.7	110.7	90.1	166.5
Luhansk	183.9	34.4	8.0	8.3	5.0	10.9	37.4	79.9	50.7	104.0
Lviv	733.6	189.4	37.8	31.2	27.7	61.4	128.9	257.2	258.4	476.4
Mykolaiv	316.1	80.7	21.4	15.2	11.1	15.2	41.5	131.0	117.3	185.1
Odesa	696.4	171.0	50.8	38.9	29.7	46.7	97.4	261.9	260.7	434.5
Poltava	411.2	94.4	17.9	16.1	17.0	24.1	71.2	170.5	128.4	240.7
Rivne	315.4	88.7	26.3	24.2	15.9	31.1	57.6	71.6	139.2	243.8
Sumy	309.8	72.5	17.4	16.7	12.1	19.7	49.8	121.6	106.6	188.2
Ternopil	328.9	76.4	20.8	20.0	15.3	36.4	53.9	106.1	117.2	222.8
Kharkiv	730.7	199.4	33.2	26.9	18.9	39.8	94.6	317.9	259.5	412.8
Kherson	290.2	59.8	17.4	18.0	10.7	17.1	41.8	125.4	95.2	164.8
Khmelnysk	376.4	82.9	22.8	19.2	20.0	32.3	60.7	138.5	124.9	237.9
Cherkasy	336.9	83.3	15.5	12.6	6.3	18.4	48.9	151.9	111.4	185.0
Chernivtsi	255.9	79.3	22.8	21.1	14.0	22.6	45.7	50.4	123.2	205.5
Chernihiv	279.9	56.3	13.9	11.7	12.1	23.5	41.5	120.9	81.9	159.0
Kyiv city	737.7	238.2	26.6	44.0	29.1	51.9	89.9	258.0	308.8	479.7

1.21. Economically inactive rate of population, by age group and region

(percent)

	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
Ukraine	38.0	65.6	21.4	17.3	15.3	15.3	31.6	86.1	37.5	28.5
Vinnitsia	38.1	63.8	23.0	19.6	12.6	14.3	29.9	88.0	38.8	28.2
Volyn	44.2	66.6	27.9	23.6	24.2	25.0	38.5	95.6	42.8	35.8
Dnipropetrovsk	36.6	71.5	16.8	13.7	12.5	11.7	28.8	89.1	35.8	25.8
Donetsk	42.1	61.9	22.5	21.1	18.4	20.7	40.9	89.5	35.8	31.4
Zhytomyr	36.7	55.9	23.2	18.8	14.3	14.5	33.5	82.6	35.4	27.9
Zakarpattia	39.9	55.4	25.2	23.1	20.9	25.0	33.8	88.2	37.5	32.0
Zaporizhia	38.2	61.5	24.6	15.9	18.3	14.5	29.4	89.2	35.3	27.0
Ivano-Frankivsk	39.9	62.8	25.9	18.0	20.9	23.6	39.6	77.5	39.1	33.7
Kyiv	37.9	63.9	20.2	14.2	12.7	12.3	36.8	93.7	34.1	27.2
Kirovohrad	39.2	57.7	25.3	21.4	20.7	16.4	29.4	89.5	36.9	28.6
Luhansk	34.4	54.6	15.1	14.3	9.7	10.9	34.2	80.2	29.1	23.9
Lviv	39.2	64.0	19.6	14.3	14.9	18.0	35.6	93.8	36.6	29.8
Mykolaiv	36.7	70.0	23.8	15.5	13.0	9.6	24.9	88.5	38.7	25.9
Odesa	39.6	67.7	27.7	18.9	16.7	14.0	30.4	91.1	40.6	29.5
Poltava	38.6	68.9	16.5	13.9	16.5	11.6	34.0	92.9	35.6	27.3
Rivne	37.7	61.0	29.5	25.3	19.0	20.2	37.7	62.2	42.1	33.8
Sumy	36.9	68.5	21.3	18.4	14.9	12.5	29.4	79.5	38.3	27.4
Ternopil	42.1	62.7	25.7	22.8	19.6	25.2	35.7	90.3	40.3	33.5
Kharkiv	35.5	72.7	16.5	11.4	8.8	10.4	24.2	88.2	36.5	24.3
Kherson	36.9	55.2	21.3	20.4	14.1	11.7	27.5	93.2	34.2	25.2
Khmelnytsk	39.9	61.7	23.7	19.2	22.3	18.1	32.9	87.2	37.8	30.4
Cherkasy	36.8	69.6	16.8	12.7	7.4	10.5	27.1	93.2	35.8	24.6
Chernivtsi	38.2	70.5	32.8	27.0	20.5	18.3	38.0	51.5	47.3	35.9
Chernihiv	36.9	60.2	18.2	13.6	17.0	16.9	27.5	84.8	32.0	25.8
Kyiv city	33.6	77.5	12.8	16.0	11.4	12.5	24.2	71.0	39.1	26.2

1.22. 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
Ukraine	17,854.4	5,784.4	199.0	3,466.9	4,697.2	3,358.8	334.4	13.7	62.0	76.4	53.0	67.3	69.3	47.4	20.3	7.1
Vinnitsia	717.4	198.0	7.4	158.0	196.3	137.6	20.1	6	61.9	75.5	80.4	69.4	69.6	50.4	20.2	6
Volyn	418.1	109.3	3.9	79.1	106.4	114.9	4.5	6	55.8	73.8	54.2	64.8	62.1	46.4	9.3	6
Dnipropetrovsk	1,520.1	449.5	12.4	377.9	387.3	269.8	22.2	1.0	63.4	78.3	47.3	69.6	71.1	47.5	17.8	6.4
Donetsk	859.6	239.6	20.9	168.7	273.8	134.8	17.2	4.6	57.9	71.2	72.8	60.5	63.3	43.6	23.1	18.3
Zhytomyr	572.6	140.0	5.8	144.5	163.1	108.0	10.9	0.3	63.3	77.0	65.9	72.4	71.1	48.2	20.3	3.9
Zakarpattia	554.5	115.4	8.1	57.9	74.7	286.5	11.1	0.8	60.1	80.5	54.0	66.7	73.7	57.3	17.8	6.1
Zaporizhia	805.9	253.4	7.0	161.8	236.8	135.3	11.6	6	61.8	74.4	63.1	64.9	70.5	46.0	18.3	6
Ivano-Frankivsk	610.9	165.4	11.8	103.7	131.8	167.7	30.3	0.2	60.1	77.7	71.1	66.7	69.5	49.3	31.9	2.9
Kyiv	793.0	239.8	9.6	141.1	213.9	184.8	3.5	0.3	62.1	75.6	44.4	69.4	71.4	49.2	6.3	5.8
Kirovohrad	429.4	119.9	7.4	92.7	130.8	67.6	11.0	6	60.8	77.2	74.0	62.8	66.8	45.6	27.0	6
Luhansk	350.4	100.2	6.5	75.3	109.4	51.5	7.2	0.3	65.6	77.5	59.1	65.9	64.9	61.8	30.9	6.5
Lviv	1,136.6	355.4	10.5	219.1	434.6	113.3	3.7	6	60.8	78.2	36.2	71.3	68.0	34.4	3.6	6
Mykolaiv	546.0	168.9	7.8	102.8	157.7	91.8	16.7	0.3	63.3	75.1	60.0	68.3	69.4	52.5	25.0	6.1
Odesa	1063.8	367.9	2.0	160.5	258.4	250.8	24.2	6	60.4	68.5	14.1	72.2	72.5	50.7	18.4	6
Poltava	653.3	190.3	4.0	162.9	234.8	53.4	7.4	0.5	61.4	74.5	43.0	62.6	68.2	36.7	16.0	13.2
Rivne	520.3	115.4	11.0	80.7	160.5	133.2	18.1	1.4	62.3	67.8	62.5	66.8	75.0	55.4	27.7	18.9
Sumy	529.4	138.2	5.3	106.6	168.9	100.5	9.6	0.3	63.1	75.8	43.4	67.8	71.1	49.9	25.2	2.9
Ternopil	453.0	160.6	7.7	92.6	124.4	58.9	8.8	6	57.9	79.7	62.1	64.3	60.2	37.7	15.5	6
Kharkiv	1,327.5	570.2	15.0	227.1	275.7	223.4	15.2	0.9	64.5	79.6	51.9	66.6	69.4	43.9	24.7	18.8
Kherson	497.2	117.0	5.2	90.1	150.6	104.5	27.9	1.9	63.1	72.1	68.4	65.1	71.0	58.0	37.9	14.7
Khmelnitsk	566.2	161.2	2.8	109.8	189.4	92.2	10.5	0.3	60.1	75.4	43.1	60.7	67.3	49.3	15.4	6.0
Cherkasy	577.6	157.1	6.9	143.6	158.4	108.5	3.1	6	63.2	81.3	65.1	69.3	68.2	48.5	7.4	6
Chernivtsi	414.1	102.8	2.8	70.0	78.4	129.0	30.5	0.6	61.8	70.0	33.3	64.8	74.1	57.2	42.6	16.2
Chernihiv	479.6	150.6	6.8	108.2	125.6	81.7	6.7	6	63.1	79.3	73.9	68.3	72.1	45.3	16.3	6
Kyiv city	1,457.9	898.3	10.4	232.2	155.5	159.1	2.4	6	66.4	80.2	33.2	70.6	78.9	33.5	6.3	6

1.23. 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
Ukraine	16,156.4	5,332.6	171.8	3,155.0	4,173.5	3,016.8	296.3	10.4	56.1	70.5	45.7	61.2	61.6	42.6	18.0	5.4
Vinnitsia	640.9	180.3	5.7	142.9	174.9	118.1	19.0	6	55.3	68.8	62.0	62.7	62.0	43.2	19.1	6
Volyn	366.0	102.3	3.9	62.6	88.9	104.3	4.0	6	48.8	69.0	54.2	51.3	51.9	42.1	8.3	6
Dnipropetrovsk	1,390.9	420.5	12.4	344.7	350.6	240.7	21.0	1.0	58.0	73.2	47.3	63.4	64.4	42.3	16.9	6.4
Donetsk	734.3	206.1	19.7	150.1	231.1	110.4	15.0	1.9	49.4	61.3	68.6	53.9	53.5	35.7	20.2	7.5
Zhytomyr	510.6	125.4	5.8	127.8	144.8	96.0	10.5	0.3	56.4	69.0	65.9	64.1	63.1	42.9	19.6	3.9
Zakarpattia	496.3	113.3	7.3	53.6	66.9	246.0	8.4	0.8	53.8	79.1	48.7	61.8	66.0	49.2	13.5	6.1
Zaporizhia	719.7	227.3	4.5	146.6	205.9	124.7	10.7	6	55.2	66.7	40.5	58.8	61.3	42.4	16.9	6
Ivano-Frankivsk	559.0	154.0	8.4	93.2	119.6	155.7	27.9	0.2	55.0	72.3	50.6	59.9	63.0	45.7	29.3	2.9
Kyiv	741.1	228.8	8.8	138.1	198.4	163.5	3.2	0.3	58.0	72.2	40.7	67.9	66.2	43.5	5.8	5.8
Kirovohrad	376.8	111.1	7.1	81.2	106.6	61.3	9.5	6	53.3	71.5	71.0	55.1	54.4	41.3	23.3	6
Luhansk	292.1	82.7	6.5	62.7	87.1	46.0	6.8	0.3	54.7	64.0	59.1	54.9	51.7	55.2	29.2	6.5
Lviv	1,050.8	330.3	7.6	206.7	395.5	107.4	3.3	6	56.2	72.7	26.2	67.3	61.9	32.6	3.2	6
Mykolaiv	489.7	156.6	6.1	94.1	139.3	80.6	12.7	0.3	56.8	69.7	46.9	62.5	61.3	46.1	19.0	6.1
Odesa	986.6	348.6	2.0	146.5	235.6	229.7	24.2	6	56.1	64.9	14.1	65.9	66.1	46.5	18.4	6
Poltava	575.0	178.8	4.0	146.3	192.7	46.6	6.1	0.5	54.0	70.0	43.0	56.2	56.0	32.0	13.2	13.2
Rivne	460.2	107.4	10.1	71.3	142.4	110.2	17.4	1.4	55.1	63.1	57.4	59.0	66.5	45.8	26.6	18.9
Sumy	481.4	128.2	4.7	101.7	148.1	91.0	7.4	0.3	57.4	70.3	38.5	64.7	62.4	45.2	19.4	2.9
Ternopil	399.1	141.0	5.7	87.6	109.0	49.2	6.6	6	51.0	70.0	46.0	60.8	52.8	31.5	11.6	6
Kharkiv	1,247.1	523.8	10.9	212.6	265.0	218.7	15.2	0.9	60.6	73.2	37.7	62.3	66.7	43.0	24.7	18.8
Kherson	442.2	107.0	4.1	82.2	132.7	91.3	23.6	1.3	56.2	66.0	53.9	59.4	62.5	50.6	32.0	10.1
Khmelnysk	516.0	149.4	2.8	99.7	168.6	85.2	10.0	0.3	54.7	69.9	43.1	55.1	59.9	45.6	14.7	6.0
Cherkasy	518.4	144.6	6.9	125.8	142.6	95.4	3.1	6	56.7	74.8	65.1	60.7	61.4	42.7	7.4	6
Chernivtsi	379.3	88.0	2.8	66.9	73.8	123.4	23.8	0.6	56.6	59.9	33.3	61.9	69.8	54.7	33.2	16.2
Chernihiv	426.1	135.7	4.9	96.1	108.5	75.8	5.1	6	56.1	71.5	53.3	60.6	62.2	42.0	12.4	6
Kyiv city	1,356.8	841.4	9.1	214.0	144.9	145.6	1.8	6	61.8	75.1	29.1	65.1	73.5	30.7	4.7	6

1.24. 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
Ukraine	10,945.0	1,784.8	176.6	1,687.0	2,078.2	3,727.8	1,310.4	180.2	38.0	23.6	47.0	32.7	30.7	52.6	79.7	92.9
Vinnitsia	441.6	64.1	1.8	69.8	85.6	135.5	79.6	5.2	38.1	24.5	19.6	30.6	30.4	49.6	79.8	100.0
Volyn	331.6	38.9	3.3	43.0	65.0	132.7	43.9	4.8	44.2	26.2	45.8	35.2	37.9	53.6	90.7	100.0
Dnipropetrovsk	876.9	124.6	13.8	165.4	157.4	298.7	102.4	14.6	36.6	21.7	52.7	30.4	28.9	52.5	82.2	93.6
Donetsk	625.4	96.8	7.8	110.0	158.5	174.5	57.2	20.6	42.1	28.8	27.2	39.5	36.7	56.4	76.9	81.7
Zhytomyr	332.1	41.8	3.0	55.0	66.2	115.9	42.8	7.4	36.7	23.0	34.1	27.6	28.9	51.8	79.7	96.1
Zakarpattia	367.6	27.9	6.9	28.9	26.7	213.8	51.1	12.3	39.9	19.5	46.0	33.3	26.3	42.7	82.2	93.9
Zaporizhia	498.6	87.4	4.1	87.5	98.9	158.8	51.8	10.1	38.2	25.6	36.9	35.1	29.5	54.0	81.7	100.0
Ivano-Frankivsk	406.3	47.6	4.8	51.8	57.9	172.7	64.8	6.7	39.9	22.3	28.9	33.3	30.5	50.7	68.1	97.1
Kyiv	484.7	77.2	12.0	62.3	85.7	190.7	51.9	4.9	37.9	24.4	55.6	30.6	28.6	50.8	93.7	94.2
Kirovohrad	277.2	35.4	2.6	54.8	65.0	80.7	29.8	8.9	39.2	22.8	26.0	37.2	33.2	54.4	73.0	100.0
Luhansk	183.9	29.1	4.5	38.9	59.1	31.9	16.1	4.3	34.4	22.5	40.9	34.1	35.1	38.2	69.1	93.5
Lviv	733.6	99.1	18.5	88.1	204.1	216.2	99.0	8.6	39.2	21.8	63.8	28.7	32.0	65.6	96.4	100.0
Mykolaiv	316.1	55.9	5.2	47.8	69.6	82.9	50.1	4.6	36.7	24.9	40.0	31.7	30.6	47.5	75.0	93.9
Odesa	696.4	169.1	12.2	61.9	98.0	243.5	107.3	4.4	39.6	31.5	85.9	27.8	27.5	49.3	81.6	100.0
Poltava	411.2	65.1	5.3	97.2	109.4	92.0	38.9	3.3	38.6	25.5	57.0	37.4	31.8	63.3	84.0	86.8
Rivne	315.4	54.7	6.6	40.1	53.5	107.2	47.3	6.0	37.7	32.2	37.5	33.2	25.0	44.6	72.3	81.1
Sumy	309.8	44.1	6.9	50.7	68.6	100.8	28.5	10.2	36.9	24.2	56.6	32.2	28.9	50.1	74.8	97.1
Ternopil	328.9	40.9	4.7	51.5	82.1	97.5	47.9	4.3	42.1	20.3	37.9	35.7	39.8	62.3	84.5	100.0
Kharkiv	730.7	145.7	13.9	114.1	121.6	285.1	46.4	3.9	35.5	20.4	48.1	33.4	30.6	56.1	75.3	81.3
Kherson	290.2	45.2	2.4	48.4	61.6	75.8	45.8	11.0	36.9	27.9	31.6	34.9	29.0	42.0	62.1	85.3
Khmelnitsk	376.4	52.5	3.7	71.2	92.0	94.7	57.6	4.7	39.9	24.6	56.9	39.3	32.7	50.7	84.6	94.0
Cherkasy	336.9	36.1	3.7	63.7	73.9	115.1	38.8	5.6	36.8	18.7	34.9	30.7	31.8	51.5	92.6	100.0
Chernivtsi	255.9	44.1	5.6	38.0	27.4	96.6	41.1	3.1	38.2	30.0	66.7	35.2	25.9	42.8	57.4	83.8
Chernihiv	279.9	39.3	2.4	50.3	48.7	98.8	34.3	6.1	36.9	20.7	26.1	31.7	27.9	54.7	83.7	100.0
Kyiv city	737.7	222.2	20.9	96.6	41.7	315.7	36.0	4.6	33.6	19.8	66.8	29.4	21.1	66.5	93.8	100.0

EMPLOYED POPULATION, 2017

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 ¹	contributing family workers
Total					
I quarter	15,885.8	84.6	0.9	14.3	0.2
II quarter	16,356.0	84.0	0.9	14.8	0.3
quarter	16,428.6	83.8	0.9	15.0	0.3
V quarter	15,955.1	84.8	0.8	14.2	0.2
year	16,156.4	84.3	0.9	14.6	0.2
Women					
I quarter	7,627.7	86.6	0.6	12.5	0.3
II quarter	7,923.9	86.1	0.6	13.0	0.3
quarter	7,934.9	85.9	0.7	13.1	0.3
V quarter	7,598.2	87.2	0.7	11.9	0.2
year	7,771.2	86.4	0.7	12.6	0.3
Men					
I quarter	8,258.1	82.7	1.2	15.8	0.3
II quarter	8,432.1	82.0	1.1	16.6	0.3
quarter	8,493.7	81.9	1.0	16.8	0.3
V quarter	8,356.9	82.6	0.9	16.3	0.2
year	8,385.2	82.3	1.1	16.4	0.2
Urban settlements					
I quarter	11,009.3	91.4	1.1	7.3	0.2
II quarter	11,207.7	91.3	1.0	7.5	0.2
quarter	11,210.0	91.3	1.0	7.6	0.1
V quarter	11,010.2	91.4	1.0	7.5	0.1
year	11,109.3	91.4	1.0	7.5	0.1
Rural areas					
I quarter	4,876.5	69.2	0.5	29.8	0.5
II quarter	5,148.3	68.0	0.6	30.8	0.6
quarter	5,218.6	67.8	0.6	30.9	0.7
V quarter	4,944.9	70.1	0.4	29.1	0.4
year	5,047.1	68.7	0.5	30.3	0.5

¹ 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
Total¹	16,156.4	9,112.6	100.0
including by type of economic activity			
agriculture, forestry and fishing	2,860.7	554.5	6.1
industry	2,440.6	2,020.6	22.2
construction	644.3	235.5	2.6
wholesale and retail trade; repair of vehicles and motorcycles	3,525.8	893.1	9.8
transportation and storage, postal and courier activities	991.6	698.1	7.7
accommodation and food service activities	276.3	90.1	1.0
information and communication	274.1	157.7	1.7
financial and insurance activities	215.9	195.3	2.1
real estate activities	252.3	146.8	1.6
professional, scientific and technical activities	415.8	291.7	3.2
administrative and support service activities	297.9	244.8	2.7
public administration and defence, compulsory social security	979.7	979.7	10.7
education	1,423.4	1,400.6	15.4
human health care and social work activities	1,013.6	975.4	10.7
arts, entertainment and recreation	199.8	161.0	1.8
other types of economic activity	344.6	67.7	0.7

¹Methodology 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 data from sample survey of population (households), the state statistical observations of enterprises and administrative reporting.

2.3. Employed population, by type economic activity and region

(thsd. prs.)

	Total ¹	including							
		agriculture, forestry and fishing	industry	construction	wholesale and retail trade; repair of motor vehicles and motorcycles	transportation and storage, postal and courier activities	accommodation and food service activities	information and communication	financial and insurance activities
Ukraine	16,156.4	2,860.7	2,440.6	644.3	3,525.8	991.6	276.3	274.1	215.9
Vinnitsya	640.9	203.7	70.4	14.7	120.7	41.6	4.1	6.0	5.6
Volyn	366.0	68.0	50.7	9.5	86.6	20.0	5.4	2.9	3.7
Dnipropetrovsk	1,390.9	106.7	341.2	52.4	340.8	88.1	21.2	25.4	23.8
Donetsk	734.3	62.9	200.8	30.4	154.3	58.1	8.8	9.0	5.3
Zhytomyr	510.6	74.8	73.0	21.2	125.4	38.3	7.0	7.7	4.6
Zakarpattia	496.3	126.0	58.7	28.5	86.0	24.7	13.3	3.1	3.2
Zaporizhia	719.7	117.8	160.8	28.0	151.1	36.2	13.6	8.6	7.7
Ivano-Frankivsk	559.0	162.1	68.3	26.1	105.9	23.2	9.3	3.6	4.0
Kyiv	741.1	48.8	125.8	30.5	160.2	64.1	14.9	14.9	11.4
Kirovohrad	376.8	106.0	48.9	12.8	61.0	24.5	4.8	4.1	2.2
Luhansk	292.1	38.0	68.0	13.1	69.7	16.8	5.4	2.2	1.4
Lviv	1,050.8	191.5	158.4	67.5	192.4	63.4	24.4	18.0	11.3
Mykolaiv	489.7	137.1	65.3	16.4	93.4	29.7	7.6	3.4	3.2
Odesa	986.6	158.6	85.6	39.5	232.8	104.7	24.1	15.0	10.6
Poltava	575.0	125.9	98.8	16.6	119.9	37.0	9.0	5.0	4.7
Rivne	460.2	80.9	62.1	20.5	117.5	25.8	9.4	5.0	4.1
Sumy	481.4	113.6	70.8	23.3	96.4	26.9	4.2	4.3	3.5
Ternopil	399.1	118.4	35.9	12.6	74.3	19.9	6.8	3.4	2.9
Kharkiv	1,247.1	172.1	228.7	57.3	301.6	71.9	20.1	22.7	10.3
Kherson	442.2	135.1	39.4	12.6	94.5	22.7	5.8	3.4	3.6
Khmelnysk	516.0	144.2	62.8	14.1	113.7	24.5	4.9	3.7	3.7
Cherkasy	518.4	145.0	73.6	22.2	92.1	27.7	5.5	4.7	5.5
Chernivtsi	379.3	110.7	38.3	18.0	70.3	16.1	8.7	3.4	2.9
Chernihiv	426.1	108.3	53.5	8.9	91.9	19.6	4.6	4.4	5.3
Kyiv city	1,356.8	4.5	100.8	47.6	373.3	66.1	33.4	90.2	71.4

¹ 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
Ukraine	252.3	415.8	297.9	979.7	1,423.4	1,013.6	199.8	344.6
Vinnitsia	5.0	9.4	5.6	39.3	60.0	43.2	5.2	6.4
Volyn	4.7	5.6	4.1	24.0	45.4	27.1	4.1	4.2
Dnipropetrovsk	18.3	36.7	32.1	69.8	113.2	83.3	11.9	26.0
Donetsk	8.0	12.2	15.3	51.8	51.2	43.4	8.7	14.1
Zhytomyr	4.5	8.1	6.3	42.3	45.1	33.4	5.8	13.1
Zakarpattia	4.5	4.4	3.3	23.2	47.6	28.5	4.2	37.1
Zaporizhia	11.3	16.0	12.5	38.6	53.8	46.0	8.6	9.1
Ivano-Frankivsk	4.1	8.1	7.8	22.2	53.4	36.6	7.5	16.8
Kyiv	13.9	29.3	23.0	58.9	63.0	58.6	12.7	11.1
Kirovohrad	5.6	4.9	3.9	25.0	35.9	26.3	5.6	5.3
Luhansk	1.8	5.4	3.4	24.7	18.8	15.2	2.6	5.6
Lviv	13.1	21.1	19.1	60.1	100.4	73.6	12.7	23.8
Mykolaiv	5.2	5.9	5.6	36.9	40.3	26.1	4.8	8.8
Odesa	23.8	20.2	24.4	60.6	90.4	57.6	12.4	26.3
Poltava	6.0	8.5	8.0	32.3	47.5	40.2	6.3	9.3
Rivne	4.0	6.6	4.1	21.6	48.7	31.4	7.0	11.5
Sumy	4.0	6.8	7.6	28.9	41.4	30.8	4.7	14.2
Ternopil	3.2	6.1	4.2	21.1	44.5	28.6	6.1	11.1
Kharkiv	36.5	39.0	20.3	61.7	102.4	69.0	15.0	18.5
Kherson	5.9	7.4	3.3	29.1	37.9	25.1	7.7	8.7
Khmelnysk	4.5	6.9	5.8	33.8	49.5	32.4	5.2	6.3
Cherkasy	4.7	9.5	7.6	26.2	44.8	35.7	5.1	8.5
Chernivtsi	3.8	4.6	3.0	17.6	34.5	23.3	4.1	20.0
Chernihiv	4.4	7.5	5.6	32.4	35.6	32.4	7.0	4.7
Kyiv city	51.5	125.6	62.0	97.6	118.1	65.8	24.8	24.1

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		
Total	16,156.4	1,122.9	2,048.2	2,451.5	2,244.6	4,172.6	3,456.1	660.5	15,495.9	660.5
including by occupational group										
legislators, senior officials and managers	1,234.9	36.9	156.9	207.7	201.9	332.8	245.1	53.6	1,181.3	53.6
professionals	2,890.2	144.2	427.1	533.0	450.7	725.1	492.0	118.1	2,772.1	118.1
experts	1,831.1	138.6	229.2	296.6	272.5	481.3	349.7	63.2	1,767.9	63.2
clerical support workers	477.1	47.0	72.2	74.7	53.9	122.4	92.8	14.1	463.0	14.1
services and sales workers	2,726.8	224.2	361.5	427.0	391.0	681.5	577.5	64.1	2,662.7	64.1
skilled agriculture, forestry, fishery and fish farming workers	135.8	11.1	15.2	15.4	16.8	42.2	32.4	2.7	133.1	2.7
skilled workers using specific tools	1,934.1	140.9	265.0	309.1	275.6	501.9	400.8	40.8	1,893.3	40.8
plant and machine operators, and assemblers	1,785.0	96.9	182.9	238.8	231.8	508.5	467.3	58.8	1,726.2	58.8
elementary occupations	3,141.4	283.1	338.2	349.2	350.4	776.9	798.5	245.1	2,896.3	245.1

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		
Women	7,771.2	487.7	863.4	1,089.9	1,056.6	2,146.3	1,780.8	346.5	7,424.7	346.5
including by occupational group										
legislators, senior officials and managers	507.0	17.5	65.4	77.1	79.5	138.1	110.0	19.4	487.6	19.4
professionals	1,769.1	82.3	238.4	303.4	271.7	476.4	327.7	69.2	1,699.9	69.2
experts	1,191.2	87.0	131.3	170.6	164.4	337.0	253.5	47.4	1,143.8	47.4
clerical support workers	407.8	38.6	58.5	61.4	44.9	108.1	82.8	13.5	394.3	13.5
services and sales workers	1,816.5	139.4	209.7	264.3	266.9	490.9	405.4	39.9	1,776.6	39.9
skilled agriculture, forestry, fishery and fish farming workers	55.6	3.0	5.4	5.6	6.1	18.5	16.0	1.0	54.6	1.0
skilled workers using specific tools	277.0	14.6	27.9	31.8	36.7	87.0	74.3	4.7	272.3	4.7
plant and machine operators, and assemblers	278.8	11.6	21.1	38.1	33.8	94.2	72.2	7.8	271.0	7.8
elementary occupations	1,468.2	93.7	105.7	137.6	152.6	396.1	438.9	143.6	1,324.6	143.6

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		
Men	8,385.2	635.2	1,184.8	1,361.6	1,188.0	2026.3	1,675.3	314.0	8,071.2	314.0
including by occupational group										
legislators, senior officials and managers	727.9	19.4	91.5	130.6	122.4	194.7	135.1	34.2	693.7	34.2
professionals	1,121.1	61.9	188.7	229.6	179.0	248.7	164.3	48.9	1,072.2	48.9
experts	639.9	51.6	97.9	126.0	108.1	144.3	96.2	15.8	624.1	15.8
clerical support workers	69.3	8.4	13.7	13.3	9.0	14.3	10.0	0.6	68.7	0.6
services and sales workers	910.3	84.8	151.8	162.7	124.1	190.6	172.1	24.2	886.1	24.2
skilled agriculture, forestry, fishery and fish farming workers	80.2	8.1	9.8	9.8	10.7	23.7	16.4	1.7	78.5	1.7
skilled workers using specific tools	1,657.1	126.3	237.1	277.3	238.9	414.9	326.5	36.1	1,621.0	36.1
plant and machine operators, and assemblers	1,506.2	85.3	161.8	200.7	198.0	414.3	395.1	51.0	1,455.2	51.0
elementary occupations	1,673.2	189.4	232.5	211.6	197.8	380.8	359.6	101.5	1,571.7	101.5

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		
Urban settlements	11,109.3	650.2	1379.9	1,813.5	1,624.6	2,854.1	2,366.9	420.1	10,689.2	420.1
including by occupational group										
legislators, senior officials and managers	1,063.8	31.6	145.8	185.5	174.3	285.7	196.2	44.7	1,019.1	44.7
professionals	2,459.8	115.7	341.6	465.8	400.1	613.1	421.2	102.3	2,357.5	102.3
experts	1,412.1	88.7	161.8	241.7	220.3	368.4	276.3	54.9	1,357.2	54.9
clerical support workers	380.3	39.2	59.8	62.0	42.0	92.3	72.6	12.4	367.9	12.4
services and sales workers	2,012.4	153.0	268.7	335.4	291.0	485.6	428.7	50.0	1,962.4	50.0
skilled agriculture, forestry, fishery and fish farming workers	38.5	2.3	5.5	6.3	3.0	11.9	9.0	0.5	38.0	0.5
skilled workers using specific tools	1,442.9	87.2	185.3	234.5	208.4	380.8	311.9	34.8	1,408.1	34.8
plant and machine operators, and assemblers	1,188.0	56.9	108.5	156.1	158.1	335.5	328.7	44.2	1,143.8	44.2
elementary occupations	1,111.5	75.6	102.9	126.2	127.4	280.8	322.3	76.3	1,035.2	76.3

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		
Rural areas	5,047.1	472.7	668.3	638.0	620.0	1,318.5	1,089.2	240.4	4,806.7	240.4
including by occupational group										
legislators, senior officials and managers	171.1	5.3	11.1	22.2	27.6	47.1	48.9	8.9	162.2	8.9
professionals	430.4	28.5	85.5	67.2	50.6	112.0	70.8	15.8	414.6	15.8
experts	419.0	49.9	67.4	54.9	52.2	112.9	73.4	8.3	410.7	8.3
clerical support workers	96.8	7.8	12.4	12.7	11.9	30.1	20.2	1.7	95.1	1.7
services and sales workers	714.4	71.2	92.8	91.6	100.0	195.9	148.8	14.1	700.3	14.1
skilled agriculture, forestry, fishery and fish farming workers	97.3	8.8	9.7	9.1	13.8	30.3	23.4	2.2	95.1	2.2
skilled workers using specific tools	491.2	53.7	79.7	74.6	67.2	121.1	88.9	6.0	485.2	6.0
plant and machine operators, and assemblers	597.0	40.0	74.4	82.7	73.7	173.0	138.6	14.6	582.4	14.6
elementary occupations	2,029.9	207.5	235.3	223.0	223.0	496.1	476.2	168.8	1,861.1	168.8

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

(thsd. prs.)

	Employed population aged 15-70									
	Total	by specialty according to diploma (certificate)								
		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
Total	16,156.4	115.2	5,346.6	3,181.3	153.4	798.5	22.4	1,905.7	1,311.4	3,321.9
including by occupational group										
legislators, senior officials and managers	1,234.9	52.2	870.8	189.1	4.6	13.6	0.2	28.7	17.7	58.0
professionals	2,890.2	9.3	2,778.2	79.3	1.8	3.0		7.5	1.4	9.7
experts	1,831.1	13.1	460.3	1,210.7	9.9	11.8	0.3	44.8	16.2	64.0
clerical support workers	477.1	6.9	163.6	127.4	43.5	21.3	0.9	13.9	10.6	89.0
services and sales workers	2,726.8	19.6	501.0	564.4	44.3	523.4	2.3	222.6	123.8	725.4
skilled agriculture, forestry, fishery and fish farming workers	135.8		14.2	17.8	0.6	4.8	3.8	18.8	9.7	66.1
skilled workers using specific tools	1,934.1	5.7	182.8	283.0	7.7	32.0	3.2	952.1	95.0	372.6
plant and machine operators, and assemblers	1,785.0	5.0	149.3	290.1	9.5	26.5	2.4	202.9	696.6	402.7
elementary occupations	3,141.4	3.4	226.4	419.5	31.5	162.1	9.3	414.4	340.4	1,534.4

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

	(thsd. prs.)		
	Total population	Women	Men
Total	16,156.4	7,771.2	8,385.2
including by occupational group			
legislators, senior government officials, senior officials of the public and local self-governmental organizations	7.2	1.9	5.3
managers of enterprises, institutions and organizations	671.9	279.5	392.4
managers of small enterprises without administrative staff	235.9	89.3	146.6
managers of enterprises, institutions, organizations and units	319.9	136.3	183.6
physical, mathematical and engineering science professionals	698.2	166.3	531.9
life science and health professional	325.9	191.8	134.1
teaching professionals	778.9	628.3	150.6
other professionals	1,087.2	782.7	304.5
technical experts in the field of applied science and technology	463.4	117.9	345.5
specialists in biology, agronomy and medicine	550.9	504.2	46.7
experts in the field of education	151.5	136.1	15.4
other experts	650.2	423.9	226.3
experts in food and processing industry	15.1	9.1	6.0
officials associated with the information	241.6	204.0	37.6
customer service officials	235.5	203.8	31.7
personal and protective services workers	1,271.8	735.4	536.4
salespersons and demonstrators	1,453.5	1,080.6	372.9
workers who provide other services to businesses and individuals	1.5	0.5	1.0
skilled agricultural and fishery workers	135.8	55.6	80.2
workers of mining and construction	729.5	50.4	679.1
metallurgical and mechanical engineering workers occupations	857.2	35.6	821.6
workers in the field of fine mechanics, hand crafts and printing	35.6	13.2	22.4
other skilled workers with a tool	311.8	177.8	134.0
workers serving industrial equipment	244.5	75.8	168.7
workers serving machines and assemblers of machines	308.5	149.4	159.1
drivers and workers servicing of movable machinery and settings	1,232.0	53.6	1,178.4
elementary occupations in trade and services	547.7	422.5	125.2
elementary occupations in agricultural and related industries	1,760.2	845.1	915.1
elementary occupations in mining, construction, manufacturing and transport	754.8	161.3	593.5
simple professions that are common to all sectors of the economy	78.7	39.3	39.4

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

	Total	Women	Men	Urban settlements	Rural areas
Number of employed, who were temporarily absent at work, total, thsd. prs.	453.1	357.7	95.4	333.1	120.0
in percentage to the total	2.8	4.6	1.1	3.0	2.4
including by reason, in percentage to the total					
yearly leave	32.9	27.5	52.8	31.6	36.4
maternity leave, leave to care for a child until he/she reaches definite age according to the current legislation	52.7	66.8	0.1	57.5	39.4
leave without salary preservation (for the period of stoppage of work being done)	1.3	0.5	4.4	0.6	3.2
temporary absence due to illness or trauma, care for the sick person	4.0	2.6	9.3	4.5	2.6
seasonal work	4.7	0.8	19.2	1.9	12.4
day off according to the working schedule	1.7	0.4	6.4	1.6	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	1.3	0.6	4.1	1.5	1.0
other reasons	1.4	0.8	3.7	0.8	3.0

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

	Total ¹ , 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	
Total	15,703.3	2.3	4.6	9.3	69.8	14.0	39
including by usual duration of working week							
up to 20 hours	323.0	99.2	0.7	0.1			15
20-29 hours	677.4	1.6	97.5	0.9			22
30-39 hours	1,139.0	0.4	1.4	97.9	0.2	0.1	33
40 hours	11,472.6	0.2	0.4	2.8	95.3	1.3	40
over 40 hours	2,091.3	0.2	0.4	0.6	0.8	98.0	50
Women	7,413.5	3.3	6.0	10.5	69.4	10.8	38
including by usual duration of working week							
up to 20 hours	220.0	99.2	0.8				16
20-29 hours	421.4	1.8	97.5	0.7			22
30-39 hours	635.4	0.4	1.6	97.8	0.1	0.1	33
40 hours	5,390.7	0.2	0.4	2.9	95.3	1.2	40
over 40 hours	746.0	0.1	0.5	0.5	0.5	98.4	49
Men	8,289.8	1.5	3.4	8.1	70.1	16.9	40
including by usual duration of working week							
up to 20 hours	103.0	99.3	0.6	0.1			15
20-29 hours	256.0	1.1	97.6	1.2		0.1	22
30-39 hours	503.6	0.4	1.1	98.0	0.3	0.2	33
40 hours	6,081.9	0.2	0.4	2.7	95.3	1.4	40
over 40 hours	1,345.3	0.3	0.4	0.7	0.9	97.7	50

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

Table 2.8. continued

	Total ¹ , 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	
Urban settlements	10,776.2	1.5	2.8	7.8	74.2	13.7	40
including by usual duration of working week							
up to 20 hours	132.3	98.8	1.2				15
20-29 hours	264.8	2.2	97.5	0.3			22
30-39 hours	587.1	0.2	1.6	97.9	0.1	0.2	34
40 hours	8,415.4	0.2	0.3	3.1	94.9	1.5	40
over 40 hours	1,376.6	0.3	0.4	0.5	0.8	98.0	50
Rural areas	4,927.1	4.1	8.8	12.4	60.0	14.7	38
including by usual duration of working week							
up to 20 hours	190.7	99.5	0.4	0.1			15
20-29 hours	412.6	1.1	97.5	1.3	0.1		22
30-39 hours	551.9	0.6	1.1	97.9	0.3	0.1	32
40 hours	3,057.2	0.2	0.5	2.0	96.5	0.8	40
over 40 hours	714.7	0.1	0.4	0.8	0.7	98.0	50

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

	Total ¹ , 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	
Total	15,703.3	2.3	4.6	9.3	69.8	14.0	39
including by status in employment							
employees	13,178.1	1.5	2.7	7.4	76.0	12.4	40
employers	140.8	0.7	2.2	4.4	68.0	24.7	42
own-account workers ²	2,343.2	6.7	15.1	20.6	35.4	22.2	36
contributing family workers	41.2	9.0	28.2	19.2	23.3	20.3	33
Women	7,413.5	3.3	6.0	10.5	69.4	10.8	38
including by status in employment							
employees	6,362.7	2.3	3.8	8.5	75.5	9.9	39
employers	52.0	1.0	2.9	5.0	68.0	23.1	41
own-account workers ²	978.7	9.3	19.6	24.2	30.7	16.2	34
contributing family workers	20.1	10.0	30.3	16.4	25.4	17.9	32
Men	8,289.8	1.5	3.4	8.1	70.1	16.9	40
including by status in employment							
employees	6,815.4	0.8	1.7	6.2	76.5	14.8	41
employers	88.8	0.6	1.8	3.9	68.0	25.7	42
own-account workers ²	1,364.5	4.9	11.7	18.0	38.9	26.5	38
contributing family workers	21.1	8.1	26.1	21.8	21.3	22.7	35

¹ See footnote to Table 2.8.² Including persons who worked in collaboration with partners.

Table 2.9. continued

	Total ¹ , 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	
Urban settlements	10,776.2	1.5	2.8	7.8	74.2	13.7	40
including by status in employment							
employees	9,822.1	1.2	2.1	7.4	76.8	12.5	40
employers	114.0	0.5	2.2	4.6	70.0	22.7	41
own-account workers ²	824.6	5.1	10.3	13.6	44.3	26.7	39
contributing family workers	15.5	9.7	27.1	10.3	18.7	34.2	35
Rural areas	4,927.1	4.1	8.8	12.4	60.0	14.7	38
including by status in employment							
employees	3,356.0	2.6	4.6	7.0	73.5	12.3	39
employers	26.8	1.5	2.2	3.4	59.7	33.2	43
own-account workers ²	1,518.6	7.6	17.6	24.4	30.7	19.7	35
contributing family workers	25.7	8.6	28.8	24.4	26.1	12.1	32

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

	Average actual duration of working week				
	Total	Women	Men	Urban settlements	Rural areas
Total¹	39	38	40	40	38
Agriculture, forestry and fishing	37	34	38	37	36
Industry	40	40	40	40	40
Construction	42	40	42	42	43
Wholesale and retail trade; repair of vehicles and motorcycles	41	41	41	41	40
Transportation and storage, postal and courier activities	41	40	42	42	40
Accommodation and food service activities	41	41	42	42	41
Information and communication	40	39	40	40	39
Financial and insurance activities	40	39	40	40	40
Real estate activities	40	39	41	40	40
Professional, scientific and technical activities	40	40	39	40	39
Administrative and support service activities	41	39	41	40	42
Public administration and defence, compulsory social security	40	40	41	40	39
Education	35	35	35	35	34
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

¹ 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 ¹ , 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	
Total	15,703.3	2.3	4.6	9.3	69.8	14.0	39
including by occupational group							
legislators, senior officials and managers	1,211.7	0.7	1.5	5.6	80.4	11.8	40
professionals	2,718.2	5.1	5.4	9.8	74.9	4.8	38
experts	1,752.7	1.3	2.7	11.4	77.1	7.5	39
clerical support workers	453.2	0.9	3.0	4.6	82.2	9.3	40
services and sales workers	2,674.2	0.5	2.6	7.1	68.5	21.3	41
skilled agriculture, forestry, fishery and fish farming workers	132.0	1.2	2.0	3.6	74.2	19.0	41
skilled workers using specific tools	1,903.7	0.5	1.9	8.9	72.3	16.4	41
plant and machine operators, and assemblers	1,755.3	0.3	1.2	4.7	75.8	18.0	41
elementary occupations	3,102.3	5.1	12.1	14.8	51.0	17.0	37

¹ See footnote to Table 2.8.

Table 2.11. continued

	Total ¹ , 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	
Women	7,413.5	3.3	6.0	10.5	69.4	10.8	38
including by occupational group							
legislators, senior officials and managers	488.7	1.1	2.0	6.5	81.3	9.1	40
professionals	1,618.6	6.6	7.1	10.5	72.4	3.4	37
experts	1,122.9	1.7	3.3	14.2	75.4	5.4	39
clerical support workers	384.6	1.1	3.2	5.0	81.3	9.4	40
services and sales workers	1,767.9	0.6	2.6	7.7	69.9	19.2	41
skilled agriculture, forestry, fishery and fish farming workers	54.0	0.4	2.2	3.1	80.4	13.9	40
skilled workers using specific tools	266.8	0.6	2.0	5.7	80.2	11.5	40
plant and machine operators, and assemblers	265.9	0.7	1.9	5.5	78.3	13.6	40
elementary occupations	1,444.1	6.4	14.6	16.3	49.5	13.2	36

Table 2.11. continued

	Total ¹ , 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	
Men	8,289.8	1.5	3.4	8.1	70.1	16.9	40
including by occupational group							
legislators, senior officials and managers	723.0	0.4	1.1	4.9	79.9	13.7	41
professionals	1,099.6	3.0	3.0	8.5	78.7	6.8	39
experts	629.8	0.6	1.6	6.5	80.1	11.2	40
clerical support workers	68.6	0.1	1.9	2.4	86.9	8.7	40
services and sales workers	906.3	0.3	2.3	6.1	65.8	25.5	42
skilled agriculture, forestry, fishery and fish farming workers	78.0	1.8	1.9	3.7	70.0	22.6	41
skilled workers using specific tools	1,636.9	0.5	1.8	9.4	71.1	17.2	41
plant and machine operators, and assemblers	1,489.4	0.2	1.1	4.6	75.3	18.8	41
elementary occupations	1,658.2	4.0	9.9	13.3	52.4	20.4	38

Table 2.11. continued

	Total ¹ , 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	
Urban settlements	10,776.2	1.5	2.8	7.8	74.2	13.7	40
including by occupational group							
legislators, senior officials and managers	1,045.8	0.6	1.2	5.4	81.0	11.8	40
professionals	2,327.6	3.5	4.3	9.6	77.4	5.2	38
experts	1,355.7	1.1	2.0	10.8	78.3	7.8	39
clerical support workers	360.1	0.4	1.7	4.2	83.5	10.2	40
services and sales workers	1,971.5	0.4	2.0	6.8	67.9	22.9	41
skilled agriculture, forestry, fishery and fish farming workers	36.4	0.8	1.1	3.3	70.1	24.7	42
skilled workers using specific tools	1,421.5	0.3	1.6	9.4	72.5	16.2	41
plant and machine operators, and assemblers	1,165.6	0.3	0.8	4.9	74.3	19.7	42
elementary occupations	1,092.0	3.6	7.6	6.9	66.8	15.1	39

Table 2.11. continued

	Total ¹ , 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	
Rural areas	4,927.1	4.1	8.8	12.4	60.0	14.7	38
including by occupational group							
legislators, senior officials and managers	165.9	1.4	3.2	6.3	77.0	12.1	40
professionals	390.6	14.8	12.3	10.1	60.5	2.3	34
experts	397.0	2.1	5.0	13.2	73.0	6.7	38
clerical support workers	93.1	3.2	8.2	5.9	76.8	5.9	38
services and sales workers	702.7	0.9	4.2	8.1	70.0	16.8	40
skilled agriculture, forestry, fishery and fish farming workers	95.6	1.4	2.4	3.6	75.8	16.8	41
skilled workers using specific tools	482.2	0.9	2.6	7.7	71.9	16.9	40
plant and machine operators, and assemblers	589.7	0.4	2.0	4.4	78.5	14.7	41
elementary occupations	2,010.3	5.9	14.5	19.0	42.5	18.1	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	
Total	16,156.4	3,695.6	12,460.8	10,874.1	1,586.7	2,108.9
employees	13,617.9	1,819.3	11,798.6	10,229.3	1,569.3	250.0
self-employed	2,538.5	1,876.3	662.2	644.8	17.4	1,858.9
Women	7,771.2	1,514.7	6,256.5	5,609.2	647.3	867.4
employees	6,716.9	720.7	5,996.2	5,356.8	639.4	81.3
self-employed	1,054.3	794.0	260.3	252.4	7.9	786.1
Men	8,385.2	2,180.9	6,204.3	5,264.9	939.4	1,241.5
employees	6,901.0	1,098.6	5,802.4	4872.5	929.9	168.7
self-employed	1,484.2	1,082.3	401.9	392.4	9.5	1,072.8
Urban settlements	11,109.3	1,697.2	9,412.1	8,241.8	1,170.3	526.9
employees	10,149.2	1,275.5	8,873.7	7,716.0	1,157.7	117.8
self-employed	960.1	421.7	538.4	525.8	12.6	409.1
Rural areas	5,047.1	1,998.4	3,048.7	2,632.3	416.4	1,582.0
employees	3,468.7	543.8	2,924.9	2,513.3	411.6	132.2
self-employed	1,578.4	1,454.6	123.8	119.0	4.8	1,449.8

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	
Total	16,156.4	3,695.6	14,047.5	12,460.8	1,586.7	2,108.9
including by age group						
15-24 years	1,122.9	385.6	921.9	737.3	184.6	201.0
25-29 years	2,048.2	494.2	1,813.7	1,554.0	259.7	234.5
30-34 years	2,451.5	512.7	2,198.2	1,938.8	259.4	253.3
35-39 years	2,244.6	468.5	2,001.8	1,776.1	225.7	242.8
40-49 years	4,172.6	873.2	3,668.3	3,299.4	368.9	504.3
50-59 years	3,456.1	741.8	2,979.0	2,714.3	264.7	477.1
60-70 years	660.5	219.6	464.6	440.9	23.7	195.9
Women	7,771.2	1,514.7	6,903.8	6,256.5	647.3	867.4
including by age group						
15-24 years	487.7	140.7	411.7	347.0	64.7	76.0
25-29 years	863.4	165.4	784.1	698.0	86.1	79.3
30-34 years	1,089.9	173.3	1,011.5	916.6	94.9	78.4
35-39 years	1,056.6	185.2	967.2	871.4	95.8	89.4
40-49 years	2,146.3	375.6	1,936.5	1,770.7	165.8	209.8
50-59 years	1,780.8	355.1	1,552.8	1,425.7	127.1	228.0
60-70 years	346.5	119.4	240.0	227.1	12.9	106.5
Men	8,385.2	2,180.9	7,143.7	6,204.3	939.4	1,241.5
including by age group						
15-24 years	635.2	244.9	510.2	390.3	119.9	125.0
25-29 years	1,184.8	328.8	1,029.6	856.0	173.6	155.2
30-34 years	1,361.6	339.4	1,186.7	1,022.2	164.5	174.9
35-39 years	1,188.0	283.3	1,034.6	904.7	129.9	153.4
40-49 years	2,026.3	497.6	1,731.8	1,528.7	203.1	294.5
50-59 years	1,675.3	386.7	1,426.2	1,288.6	137.6	249.1
60-70 years	314.0	100.2	224.6	213.8	10.8	89.4

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	
Urban settlements	11,109.3	1,697.2	10,582.4	9,412.1	1,170.3	526.9
including by age group						
15-24 years	650.2	148.1	620.3	502.1	118.2	29.9
25-29 years	1,379.9	245.2	1,319.4	1,134.7	184.7	60.5
30-34 years	1,813.5	281.3	1,726.0	1,532.2	193.8	87.5
35-39 years	1,624.6	247.7	1,550.3	1,376.9	173.4	74.3
40-49 years	2,854.1	408.9	2,720.8	2,445.2	275.6	133.3
50-59 years	2,366.9	312.2	2,260.2	2,054.7	205.5	106.7
60-70 years	420.1	53.8	385.4	366.3	19.1	34.7
Rural areas	5,047.1	1,998.4	3,465.1	3,048.7	416.4	1,582.0
including by age group						
15-24 years	472.7	237.5	301.6	235.2	66.4	171.1
25-29 years	668.3	249.0	494.3	419.3	75.0	174.0
30-34 years	638.0	231.4	472.2	406.6	65.6	165.8
35-39 years	620.0	220.8	451.5	399.2	52.3	168.5
40-49 years	1,318.5	464.3	947.5	854.2	93.3	371.0
50-59 years	1,089.2	429.6	718.8	659.6	59.2	370.4
60-70 years	240.4	165.8	79.2	74.6	4.6	161.2

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			
			formal sector enterprises			informal sector enterprises
	total	thereof informal employment	total	formal employment	informal employment	
Total	16,156.4	3,695.6	14,047.5	12,460.8	1,586.7	2,108.9
including by level of education						
complete higher	5,332.6	479.6	5,145.4	4,853.0	292.4	187.2
basic higher	171.8	34.1	154.8	137.7	17.1	17.0
uncompleted higher	3,155.0	524.7	2,891.0	2,630.3	260.7	264.0
vocational	4,173.5	1,245.9	3,504.3	2,927.6	576.7	669.2
complete secondary	3,016.8	1,219.9	2,192.3	1,796.9	395.4	824.5
basic secondary	296.3	184.4	154.7	111.9	42.8	141.6
primary education or not educated	10.4	7.0	5.0	3.4	1.6	5.4
Women	7,771.2	1,514.7	6,903.8	6,256.5	647.3	867.4
including by level of education						
complete higher	2,822.7	193.4	2,753.4	2,629.3	124.1	69.3
basic higher	92.8	14.4	86.4	78.4	8.0	6.4
uncompleted higher	1,852.8	257.8	1,718.4	1,595.0	123.4	134.4
vocational	1,470.5	416.6	1,268.1	1,053.9	214.2	202.4
complete secondary	1,400.4	551.9	1,015.0	848.5	166.5	385.4
basic secondary	128.0	77.3	60.8	50.7	10.1	67.2
primary education or not educated	4.0	3.3	1.7	0.7	1.0	2.3

Table 2.14. continued

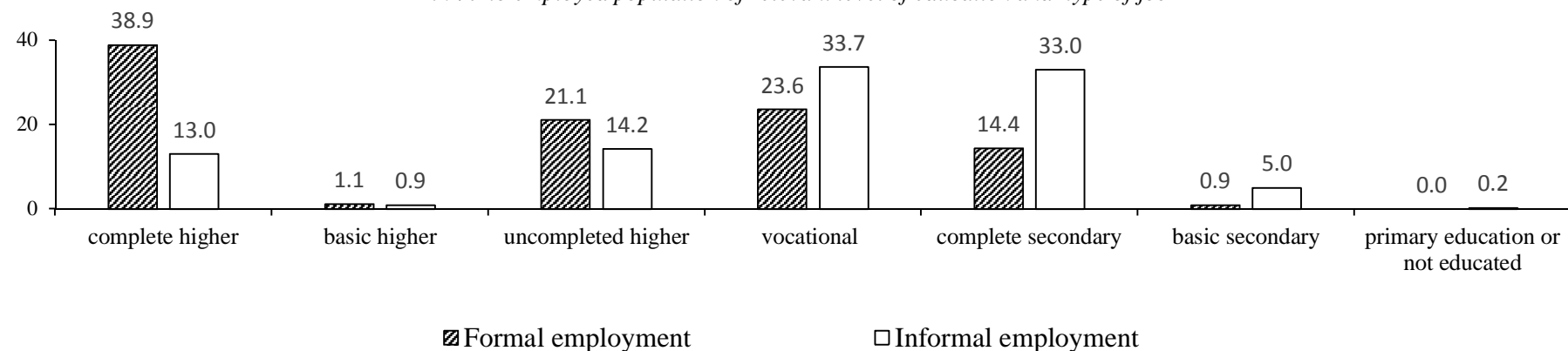
	Employed population aged 15-70		Including			
			formal sector enterprises			informal sector enterprises
	total	thereof informal employment	total	formal employment	informal employment	
Men	8,385.2	2,180.9	7,143.7	6,204.3	939.4	1,241.5
including by level of education						
complete higher	2,509.9	286.2	2,392.0	2,223.7	168.3	117.9
basic higher	79.0	19.7	68.4	59.3	9.1	10.6
uncompleted higher	1,302.2	266.9	1,172.6	1,035.3	137.3	129.6
vocational	2,703.0	829.3	2,236.2	1,873.7	362.5	466.8
complete secondary	1,616.4	668.0	1,177.3	948.4	228.9	439.1
basic secondary	168.3	107.1	93.9	61.2	32.7	74.4
primary education or not educated	6.4	3.7	3.3	2.7	0.6	3.1
Urban settlements	11,109.3	1,697.2	10,582.4	9,412.1	1,170.3	526.9
including by level of education						
complete higher	4,553.3	358.6	4,450.8	4,194.7	256.1	102.5
basic higher	125.1	19.9	117.3	105.2	12.1	7.8
uncompleted higher	2,287.4	296.8	2,194.0	1,990.6	203.4	93.4
vocational	2,611.6	607.5	2,423.0	2,004.1	418.9	188.6
complete secondary	1,421.1	366.8	1,305.9	1,054.3	251.6	115.2
basic secondary	107.1	45.9	87.8	61.2	26.6	19.3
primary education or not educated	3.7	1.7	3.6	2.0	1.6	0.1

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	
Rural areas	5,047.1	1,998.4	3,465.1	3,048.7	416.4	1,582.0
including by level of education						
complete higher	779.3	121.0	694.6	658.3	36.3	84.7
basic higher	46.7	14.2	37.5	32.5	5.0	9.2
uncompleted higher	867.6	227.9	697.0	639.7	57.3	170.6
vocational	1,561.9	638.4	1,081.3	923.5	157.8	480.6
complete secondary	1,595.7	853.1	886.4	742.6	143.8	709.3
basic secondary	189.2	138.5	66.9	50.7	16.2	122.3
primary education or not educated	6.7	5.3	1.4	1.4		5.3

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	
Total, thsd. prs.	16,156.4	3,695.6	14,047.5	12,460.8	1,586.7	2,108.9
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	15.4	42.1	7.7	7.5	8.9	67.1
industry	17.8	5.6	20.1	21.3	10.6	1.9
construction	6.6	16.1	5.4	3.7	18.3	14.4
wholesale and retail trade; repair of vehicles and motorcycles	18.5	19.6	20.6	18.2	39.5	4.6
transportation and storage, postal and courier activities	6.4	3.3	7.2	7.4	6.2	1.1
accommodation and food service activities	2.1	2.4	2.4	2.0	5.5	0.1
other types of economic activity	33.2	10.9	36.6	39.9	11.0	10.8
Women, thsd. prs.	7,771.2	1,514.7	6,903.8	6,256.5	647.3	867.4
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	13.0	50.1	4.3	4.1	7.1	82.2
industry	12.7	4.6	14.1	14.7	8.3	1.8
construction	1.0	1.1	1.0	1.0	1.1	1.1
wholesale and retail trade; repair of vehicles and motorcycles	21.5	27.0	23.7	20.2	57.7	4.0
transportation and storage, postal and courier activities	3.7	0.6	4.2	4.5	1.3	0.1
accommodation and food service activities	3.1	4.2	3.5	2.8	9.6	0.1
other types of economic activity	45.0	12.4	49.2	52.7	14.9	10.7

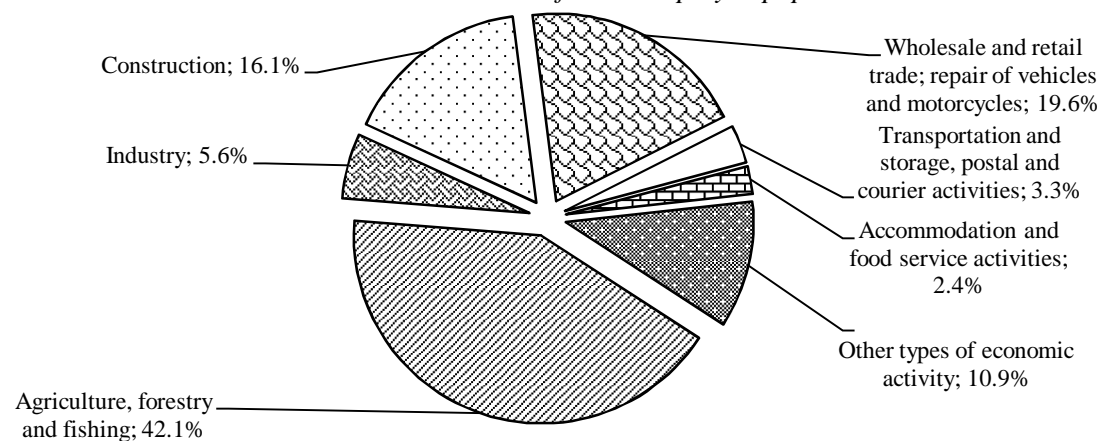
Table 2.16. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
Men, thsd. prs.	8,385.2	2,180.9	7,143.7	6,204.3	939.4	1,241.5
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	17.6	36.6	10.8	10.9	10.2	56.5
industry	22.4	6.5	25.9	28.0	12.1	2.0
construction	11.7	26.5	9.6	6.5	30.3	23.6
wholesale and retail trade; repair of vehicles and motorcycles	15.7	14.5	17.5	16.1	26.9	5.1
transportation and storage, postal and courier activities	8.9	5.2	10.2	10.3	9.5	1.9
accommodation and food service activities	1.2	1.2	1.4	1.2	2.7	0.1
other types of economic activity	22.5	9.5	24.6	27.0	8.3	10.8
Urban settlements, thsd. prs.	11,109.3	1,697.2	10,582.4	9,412.1	1,170.3	526.9
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	3.7	10.9	2.5	2.4	4.0	26.2
industry	21.1	8.1	22.0	23.5	9.8	4.3
construction	6.6	20.7	5.4	4.1	16.2	30.8
wholesale and retail trade; repair of vehicles and motorcycles	22.1	34.1	22.6	19.9	43.8	12.4
transportation and storage, postal and courier activities	7.3	5.6	7.5	7.6	7.0	2.5
accommodation and food service activities	2.4	4.2	2.5	2.0	6.0	0.2
other types of economic activity	36.8	16.4	37.5	40.5	13.2	23.6

Table 2.16. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprizes			informal sector enterprizes
			total	formal employment	informal employment	
Rural areas, thsd. prs.	5,047.1	1,998.4	3,465.1	3,048.7	416.4	1,582.0
including by the types of economic activity, in percentage to the total						
agriculture, forestry and fishing	41.2	68.6	23.1	23.3	22.9	80.6
industry	10.2	3.5	14.5	14.6	12.8	1.2
construction	6.5	12.1	5.4	2.8	24.4	8.9
wholesale and retail trade; repair of vehicles and motorcycles	10.5	7.3	14.3	12.6	27.1	2.1
transportation and storage, postal and courier activities	4.7	1.3	6.5	6.8	3.8	0.7
accommodation and food service activities	1.5	0.9	2.2	1.9	4.2	0.1
other types of economic activity	25.4	6.3	34.0	38.0	4.8	6.4

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	
Total	16,156.4	3,695.6	14,047.5	12,460.8	1,586.7	2,108.9
including by occupational group						
legislators, senior officials and managers	1,234.9	60.6	1,231.7	1,174.3	57.4	3.2
professionals	2,890.2	93.1	2,862.8	2,797.1	65.7	27.4
experts	1,831.1	91.6	1,808.0	1,739.5	68.5	23.1
clerical support workers	477.1	30.4	476.1	446.7	29.4	1.0
services and sales workers	2,726.8	654.0	2,611.9	2,072.8	539.1	114.9
skilled agriculture, forestry, fishery and fish farming workers	135.8	29.2	122.2	106.6	15.6	13.6
skilled workers using specific tools	1,934.1	619.5	1,629.7	1,314.6	315.1	304.4
plant and machine operators, and assemblers	1,785.0	215.9	1,734.2	1,569.1	165.1	50.8
elementary occupations	3,141.4	1,901.3	1,570.9	1,240.1	330.8	1,570.5

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	
Women	7,771.2	1,514.7	6,903.8	6,256.5	647.3	867.4
including by occupational group						
legislators, senior officials and managers	507.0	19.0	507.0	488.0	19.0	
professionals	1,769.1	42.2	1,761.2	1,726.9	34.3	7.9
experts	1,191.2	34.7	1,185.6	1,156.5	29.1	5.6
clerical support workers	407.8	24.8	407.3	383.0	24.3	0.5
services and sales workers	1,816.5	475.9	1,745.0	1,340.6	404.4	71.5
skilled agriculture, forestry, fishery and fish farming workers	55.6	5.2	52.8	50.4	2.4	2.8
skilled workers using specific tools	277.0	54.0	259.1	223.0	36.1	17.9
plant and machine operators, and assemblers	278.8	23.4	270.5	255.4	15.1	8.3
elementary occupations	1,468.2	835.5	715.3	632.7	82.6	752.9

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	
Men	8,385.2	2,180.9	7,143.7	6,204.3	939.4	1,241.5
including by occupational group						
legislators, senior officials and managers	727.9	41.6	724.7	686.3	38.4	3.2
professionals	1,121.1	50.9	1,101.6	1,070.2	31.4	19.5
experts	639.9	56.9	622.4	583.0	39.4	17.5
clerical support workers	69.3	5.6	68.8	63.7	5.1	0.5
services and sales workers	910.3	178.1	866.9	732.2	134.7	43.4
skilled agriculture, forestry, fishery and fish farming workers	80.2	24.0	69.4	56.2	13.2	10.8
skilled workers using specific tools	1,657.1	565.5	1,370.6	1,091.6	279.0	286.5
plant and machine operators, and assemblers	1,506.2	192.5	1,463.7	1,313.7	150.0	42.5
elementary occupations	1,673.2	1,065.8	855.6	607.4	248.2	817.6

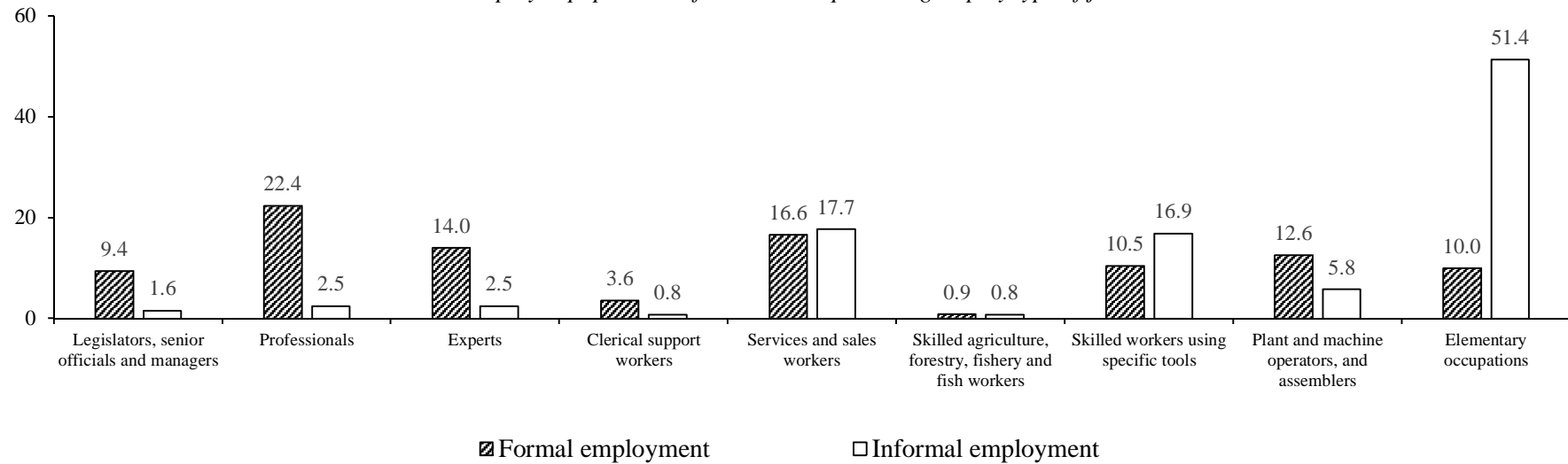
Table 2.18. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
Urban settlements	11,109.3	1,697.2	10,582.4	9,412.1	1,170.3	526.9
including by occupational group						
legislators, senior officials and managers	1,063.8	56.8	1,061.0	1,007.0	54.0	2.8
professionals	2,459.8	85.3	2,434.4	2,374.5	59.9	25.4
experts	1,412.1	79.6	1,391.6	1,332.5	59.1	20.5
clerical support workers	380.3	28.9	379.4	351.4	28.0	0.9
services and sales workers	2,012.4	504.9	1,938.6	1,507.5	431.1	73.8
skilled agriculture, forestry, fishery and fish farming workers	38.5	14.8	33.8	23.7	10.1	4.7
skilled workers using specific tools	1,442.9	410.7	1,264.5	1,032.2	232.3	178.4
plant and machine operators, and assemblers	1,188.0	134.9	1,165.8	1,053.1	112.7	22.2
elementary occupations	1,111.5	381.3	913.3	730.2	183.1	198.2

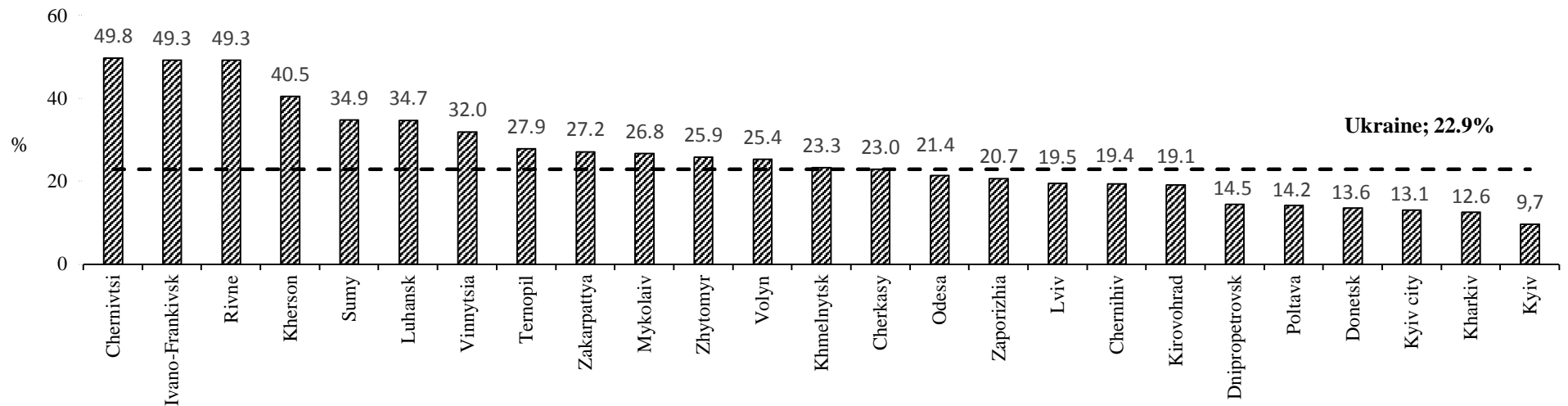
Table 2.18. continued

	Employed population aged 15-70		Including			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
Rural areas	5,047.1	1,998.4	3,465.1	3,048.7	416.4	1,582.0
including by occupational group						
legislators, senior officials and managers	171.1	3.8	170.7	167.3	3.4	0.4
professionals	430.4	7.8	428.4	422.6	5.8	2.0
experts	419.0	12.0	416.4	407.0	9.4	2.6
clerical support workers	96.8	1.5	96.7	95.3	1.4	0.1
services and sales workers	714.4	149.1	673.3	565.3	108.0	41.1
skilled agriculture, forestry, fishery and fish farming workers	97.3	14.4	88.4	82.9	5.5	8.9
skilled workers using specific tools	491.2	208.8	365.2	282.4	82.8	126.0
plant and machine operators, and assemblers	597.0	81.0	568.4	516.0	52.4	28.6
elementary occupations	2,029.9	1,520.0	657.6	509.9	147.7	1,372.3

2.19. Employment, 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			
	total	thereof informal employment	formal sector enterprises			informal sector enterprises
			total	formal employment	informal employment	
Ukraine	16,156.4	3,695.6	14,047.5	12,460.8	1,586.7	2,108.9
Vinnitsia	640.9	205.4	487.1	435.5	51.6	153.8
Volyn	366.0	92.8	316.4	273.2	43.2	49.6
Dnipropetrovsk	1,390.9	201.9	1,348.6	1,189.0	159.6	42.3
Donetsk	734.3	99.8	694.2	634.5	59.7	40.1
Zhytomyr	510.6	132.2	424.7	378.4	46.3	85.9
Zakarpattia	496.3	135.2	364.0	361.1	2.9	132.3
Zaporizhia	719.7	148.8	641.2	570.9	70.3	78.5
Ivano-Frankivsk	559.0	275.5	392.5	283.5	109.0	166.5
Kyiv	741.1	72.0	712.3	669.1	43.2	28.8
Kirovohrad	376.8	71.9	331.6	304.9	26.7	45.2
Luhansk	292.1	101.5	215.9	190.6	25.3	76.2
Lviv	1,050.8	204.8	978.7	846.0	132.7	72.1
Mykolaiv	489.7	131.2	417.2	358.5	58.7	72.5
Odesa	986.6	210.8	894.3	775.8	118.5	92.3
Poltava	575.0	81.5	536.3	493.5	42.8	38.7
Rivne	460.2	227.1	280.7	233.1	47.6	179.5
Sumy	481.4	167.8	360.9	313.6	47.3	120.5
Ternopil	399.1	111.4	315.3	287.7	27.6	83.8
Kharkiv	1,247.1	156.9	1,196.9	1,090.2	106.7	50.2
Kherson	442.2	179.0	326.1	263.2	62.9	116.1
Khmelnysk	516.0	120.1	419.8	395.9	23.9	96.2
Cherkasy	518.4	119.0	462.6	399.4	63.2	55.8
Chernivtsi	379.3	188.9	226.7	190.4	36.3	152.6
Chernihiv	426.1	82.5	378.6	343.6	35.0	47.5
Kyiv city	1,356.8	177.6	1,324.9	1,179.2	145.7	31.9

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

	Employed population of working age who worked outside the region of residence, thsd. prs.	percentage of		
		total	employed population of working age	total population of working age
Ukraine	395.4	100.0	2.6	1.6
Vinnitsia	15.7	4.0	2.5	1.6
Volyn	14.8	3.7	4.1	2.3
Dnipropetrovsk	4.8	1.2	0.4	0.2
Donetsk	0.6	0.2	0.1	0.0
Zhytomyr	30.1	7.5	6.2	4.0
Zakarpattia	0.6	0.2	0.1	0.1
Zaporizhia	1.1	0.3	0.2	0.1
Ivano-Frankivsk	21.3	5.4	4.0	2.4
Kyiv	191.3	48.3	26.3	17.8
Kirovohrad	8.3	2.1	2.3	1.4
Luhansk	1.5	0.4	0.6	0.3
Lviv	4.2	1.1	0.4	0.3
Mykolaiv	1.5	0.4	0.3	0.2
Odesa	2.1	0.5	0.2	0.1
Poltava	7.1	1.8	1.3	0.8
Rivne	7.8	2.0	1.9	1.1
Sumy	11.4	2.9	2.5	1.7
Ternopil	5.9	1.5	1.5	0.9
Kharkiv	2.6	0.7	0.2	0.2
Kherson	1.8	0.5	0.4	0.3
Khmelnysk	11.5	2.9	2.3	1.5
Cherkasy	15.0	3.8	3.0	2.0
Chernivtsi	4.4	1.1	1.3	0.8
Chernihiv	28.2	7.0	7.0	4.6
Kyiv city	1.8	0.5	0.1	0.1

UNEMPLOYED POPULATION, 2017

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 to replaying
in percentage to the total					
Total					
quarter	1,786.9	98.2	0.6	0.5	0.7
quarter	1,632.4	98.5	0.5	0.4	0.6
quarter	1,611.3	96.3	0.0	1.3	2.4
V quarter	1,761.3	96.7	0.9	0.8	1.6
year	1,698.0	97.4	0.5	0.8	1.3
Women					
quarter	713.0	99.0	0.1	0.4	0.5
quarter	586.6	98.0	0.5	0.4	1.1
quarter	562.9	94.6	0	2.3	3.1
V quarter	748.0	97.8	0.7	0.7	0.8
year	652.6	97.5	0.3	0.9	1.3
Men					
quarter	1,073.9	97.6	0.9	0.6	0.9
quarter	1,045.8	98.7	0.4	0.5	0.4
quarter	1,048.4	97.1	0.0	0.8	2.1
V quarter	1,013.3	95.9	1.1	1.0	2.0
year	1,045.4	97.3	0.6	0.7	1.4
Urban settlements					
quarter	1,153.5	98.7	0.6	0.1	0.6
quarter	1,096.7	98.7	0.5	0.4	0.4
quarter	1,127.8	95.4	0	1.5	3.1
V quarter	1,193.7	97.2	1.2	0.2	1.4
year	1,142.9	97.5	0.6	0.6	1.3
Rural areas					
quarter	633.4	97.1	0.5	1.3	1.1
quarter	535.7	98.1	0.3	0.5	1.1
quarter	483.5	98.2	0.1	1.0	0.7
V quarter	567.6	95.6	0.2	2.1	2.1
year	555.1	97.2	0.3	1.2	1.3

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

	Total	Women	Men	Urban settlements	Rural areas
Unemployed population aged 15-70, total, thsd. prs.	1,698.0	652.6	1,045.4	1,142.9	555.1
including by reason of unemployment, in percentage to the total					
laid off for economic reasons	23.2	26.9	20.9	25.9	17.5
dismissed due to one's own will, upon a mutual agreement of the parties	34.5	34.6	34.4	40.3	22.5
dismissed due to end of employment contract or agreement	8.2	6.3	9.5	6.8	11.3
not employed after graduating from the general educational and tertiary educational institutions	12.2	12.2	12.2	11.1	14.4
seasonal work	10.1	6.7	12.2	5.0	20.5
perform home (family) duties etc.	4.9	7.6	3.3	4.4	5.9
state of health, registering for pension	1.9	2.1	1.8	2.1	1.7
demobilized after term military service	0.7	6	1.2	0.5	1.1
other reasons	4.3	3.6	4.5	3.9	5.1

3.3. Unemployed population, by main method of looking for a job, sex and place of residence

	Total	Women	Men	Urban settlements	Rural areas
Unemployed population aged 15-70, total, thsd. prs.	1,698.0	652.6	1,045.4	1,142.9	555.1
of which those who sought a job or tried to establish own business, thsd. prs.	1,662.5	638.4	1,024.1	1,121.3	541.2
including by main method of looking for a job, in percentage to the total					
via the press (announcements)	12.3	11.7	12.8	14.3	8.3
internet	17.4	15.3	18.7	22.3	7.2
personal relationships	32.9	29.3	35.2	32.6	33.6
appealed directly to the administration (employer)	5.9	5.6	6.1	5.3	7.1
appealed to the state employment service	30.1	37.6	25.4	24.0	42.7
appealed to a private recruitment company	0.7	0.2	0.9	0.7	0.6
other	0.7	0.3	0.9	0.8	0.5

3.4. Unemployed population, by occupational group, sex and place of residence
(by section of Classification of Occupations (CO))

	Total	Women	Men	Urban settlements	Rural areas
Unemployed population aged 15-70, total, thsd. prs.	1,698.0	652.6	1,045.4	1,142.9	555.1
of which persons with working experience, thsd. prs.	1,363.6	520.2	843.4	974.1	416.5
including by occupational group, in percentage to the total					
legislators, senior officials and managers	4.4	3.2	5.1	5.8	1.1
professionals	12.6	15.5	10.8	16.9	3.0
experts	10.9	13.1	9.5	12.9	6.1
clerical support workers	2.9	7.0	0.4	3.1	2.5
services and sales workers	18.1	30.3	10.6	18.4	17.4
skilled agriculture, forestry, fishery and fish farming workers	1.4	1.7	1.3	0.7	3.2
skilled workers using specific tools	16.4	6.0	22.8	18.2	12.3
plant and machine operators, and assemblers	15.3	5.1	21.6	12.1	22.6
elementary occupations	18.0	18.1	17.9	11.9	31.8

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

	Total	Women	Men	Urban settlements	Rural areas
Unemployed population aged 15-70, total, thsd. prs.	1,698.0	652.6	1,045.4	1,142.9	555.1
of which persons with working experience, thsd. prs.	1,363.6	520.2	843.4	974.1	416.5
including by type of economic activity, in percentage to the total					
agriculture, forestry and fishing	15.4	10.9	18.2	4.2	40.7
industry	19.5	15.9	21.7	21.5	14.6
construction	12.2	3.3	17.7	13.5	9.2
wholesale and retail trade; repair of vehicles and motorcycles	18.0	25.5	13.4	21.3	10.5
transportation and storage, postal and courier activities	6.0	2.4	8.2	7.3	3.1
accommodation and food service activities	3.5	6.5	1.6	4.2	1.9
information and communication	2.6	1.3	3.4	3.6	0.2
financial and insurance activities	2.1	4.6	0.6	3.1	0.0
professional, scientific and technical activities	1.6	2.9	0.9	2.2	0.3
public administration and defence, compulsory social security	6.9	6.6	7.1	7.0	6.7
education	4.9	7.4	3.4	4.5	5.9
human health and social work activities	3.9	7.5	1.6	3.5	4.6
other types of economic activity	3.4	5.2	2.2	4.1	2.3

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

	Unemployed population aged 15-70, total, thsd. prs.	Of which those who sought a job or tried to establish own business		including by duration of job search						Average duration of job search, months
		total, thsd. prs.	in percentage to the total unemployed	up to 1 month	from 1 to 3 months	from 3 to 6 months	from 6 to 9 months	from 9 to 12 months	12 and more months	
				in percentage to the total						
Total	1,698.0	1,662.5	97.9	12.0	26.1	19.3	9.5	6.4	26.7	7
Women	652.6	638.4	97.8	11.5	27.0	20.0	10.2	6.5	24.8	7
Men	1,045.4	1,024.1	98.0	12.4	25.4	19.0	9.0	6.4	27.8	7
Urban settlements	1,142.9	1,121.3	98.1	10.6	23.7	18.7	9.4	6.8	30.8	7
Rural areas	555.1	541.2	97.5	15.0	30.8	20.6	9.7	5.7	18.2	6

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

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

ECONOMICALLY INACTIVE POPULATION, 2017

SECTION 4

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

	Economically inactive population, total, thsd. prs.	in percentage to the total										
		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	other
		in percentage to the total										
Total												
quarter I	11,126.7	53.7	20.2	21.0	1.2	1.0	0.7	0.2	0.6	0.3	0.1	1.0
quarter II	10,811.0	53.6	20.9	20.5	1.2	0.9	0.9	0.2	0.5	0.1	0.1	1.1
quarter III	10,759.5	53.7	21.0	21.3	0.9	0.7	0.8	0.0	0.5	0.1	0.1	0.9
quarter IV	11,083.0	53.3	20.6	21.6	1.1	0.6	0.9	0.2	0.5	0.2	0.1	0.9
year	10,945.0	53.6	20.7	21.1	1.1	0.8	0.9	0.1	0.5	0.2	0.1	0.9
Women												
quarter I	6,791.1	52.6	15.9	28.1	0.7	0.8	0.7	0.1	0.5	0.1	0.0	0.5
quarter II	6,621.3	52.4	16.5	27.7	0.8	0.7	0.8	0.1	0.3	0.0	0.0	0.7
quarter III	6,634.0	51.7	16.7	28.9	0.5	0.5	0.7	0.0	0.4	0.0	0.0	0.6
quarter IV	6,785.7	51.7	16.2	29.1	0.7	0.4	0.9	0.1	0.5	0.1	0.0	0.3
year	6,708.0	52.1	16.3	28.5	0.7	0.6	0.8	0.1	0.4	0.1	0.0	0.4
Men												
quarter I	4,335.6	55.3	27.1	9.9	2.0	1.3	0.7	0.3	0.8	0.6	0.2	1.8
quarter II	4,189.7	55.5	27.8	9.1	1.9	1.1	1.2	0.2	0.8	0.2	0.3	1.9
quarter III	4,125.5	56.9	27.8	9.1	1.5	1.0	1.1	0.1	0.6	0.1	0.1	1.7
quarter IV	4,297.3	56.0	27.6	9.7	1.8	0.9	1.0	0.3	0.5	0.3	0.3	1.6
year	4,237.0	55.9	27.6	9.4	1.8	1.1	1.0	0.2	0.7	0.3	0.2	1.8
Urban settlements												
quarter I	7,360.3	55.5	21.3	19.1	1.1	0.7	0.7	0.1	0.3	0.2	0.1	0.9
quarter II	7,218.7	55.3	22.0	18.6	1.3	0.7	0.9	0.1	0.3	0.0	0.1	0.7
quarter III	7,185.3	54.9	22.2	19.4	0.9	0.5	1.0	0.0	0.2	0.0	0.0	0.9
quarter IV	7,319.2	54.9	21.8	19.5	1.0	0.5	1.1	0.1	0.3	0.1	0.1	0.6
year	7,270.9	55.2	21.8	19.1	1.1	0.6	1.0	0.1	0.3	0.1	0.1	0.6
Rural areas												
quarter I	3,766.4	50.1	18.1	24.7	1.3	1.5	0.7	0.4	1.2	0.4	0.1	1.5
quarter II	3,592.3	50.3	18.8	24.4	1.1	1.2	0.6	0.3	1.1	0.2	0.3	1.7
quarter III	3,574.2	51.3	18.4	25.0	0.8	1.1	0.7	0.1	1.0	0.2	0.1	1.3
quarter IV	3,763.8	50.3	18.4	25.7	1.2	0.8	0.6	0.3	1.0	0.2	0.2	1.3
year	3,674.1	50.5	18.4	25.0	1.1	1.2	0.6	0.3	1.0	0.3	0.2	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	other
		in percentage to the total										
Total including by age group (years)	10,945.0	53.6	20.7	21.1	1.1	0.8	0.9	0.1	0.5	0.2	0.1	0.9
15-24	2,642.3	1.9	84.7	10.8	0.3	0.5	0.5	0.2	0.4	0.1	0.1	0.5
25-29	630.1	8.7	3.1	78.9	1.6	1.6	1.7	0.2	1.7	0.4	0.3	1.8
30-34	567.9	11.0	1.0	76.3	2.6	2.2	2.0	0.3	1.9	0.3	0.4	2.0
35-39	442.5	14.8	6	71.5	2.9	2.3	2.6	0.4	1.0	0.5	0.7	3.3
40-49	826.7	33.5	6	51.4	3.9	2.3	3.0	0.4	1.3	0.8	0.4	3.0
50-59	1,736.3	72.4	6	20.2	2.3	1.2	1.2	0.1	0.6	0.1	0.0	1.9
60-70	4,099.2	100.0	6	6	6	6	6	6	6	6	6	6
working age	6,845.8	25.8	33.1	33.7	1.7	1.2	1.4	0.2	0.8	0.2	0.2	1.7
over working age	4,099.2	100.0	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	other
		in percentage to the total										
Women including by age group (years)	6,708.0	52.1	16.3	28.5	0.7	0.6	0.8	0.1	0.4	0.1	0.0	0.4
15-24	1,371.6	1.2	79.2	17.7	0.2	0.3	0.4	0.1	0.3	0.1	0.0	0.5
25-29	492.7	3.0	1.7	91.0	0.3	0.8	1.0	0.1	1.4	0.1	0.0	0.6
30-34	431.0	5.4	0.1	88.9	0.9	1.6	0.8	0.1	1.4	0.1	0.2	0.5
35-39	311.0	7.3	6	85.4	1.1	1.8	2.3	0.4	0.8	0.1	0.1	0.7
40-49	480.1	21.9	6	66.2	3.1	2.1	3.6	0.2	0.8	0.3	0.2	1.6
50-59	1,112.7	72.3	6	22.6	1.5	0.9	1.2	0.1	0.4	6	0.0	1.0
60-70	2,508.9	100.0	6	6	6	6	6	6	6	6	6	6
working age	4,199.1	23.5	26.1	45.5	1.0	1.0	1.2	0.1	0.7	0.1	0.1	0.7
over working age	2,508.9	100.0	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	other
		in percentage to the total										
Men including by age group (years)	4,237.0	55.9	27.6	9.4	1.8	1.1	1.0	0.2	0.7	0.3	0.2	1.8
15-24	1,270.7	2.6	90.6	3.4	0.4	0.6	0.7	0.4	0.5	0.1	0.1	0.6
25-29	137.4	29.0	7.9	35.5	6.2	4.6	4.2	0.6	2.5	1.3	1.3	6.9
30-34	136.9	28.6	3.8	36.6	8.5	3.9	5.7	0.7	3.4	0.7	0.8	7.3
35-39	131.5	32.5	6	38.7	7.2	3.5	3.1	0.5	1.3	1.6	2.1	9.5
40-49	346.6	49.5	6	31.0	5.0	2.7	2.2	0.6	1.9	1.4	0.6	5.1
50-59	623.6	72.7	6	16.0	3.7	1.8	1.3	0.1	1.0	0.3	0.1	3.0
60-70	1,590.3	100.0	6	6	6	6	6	6	6	6	6	6
working age	2,646.7	29.5	44.1	15.0	2.9	1.7	1.6	0.4	1.1	0.5	0.4	2.8
over working age	1,590.3	100.0	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	other
		in percentage to the total										
Urban settlements including by age group (years)	7,270.9	55.2	21.8	19.1	1.1	0.6	1.0	0.1	0.3	0.1	0.1	0.6
15-24	1,757.5	1.2	88.9	8.3	0.3	0.2	0.4	0.1	0.1	0.1	0.0	0.4
25-29	377.2	8.7	4.7	79.1	1.6	0.6	2.3	0.1	1.0	0.2	0.2	1.5
30-34	360.0	9.2	1.5	78.9	2.6	1.9	2.5	0.1	1.3	0.1	0.4	1.5
35-39	279.8	12.3	6	74.1	3.4	2.1	3.4	0.3	0.3	0.6	0.5	3.0
40-49	496.4	34.9	6	51.0	4.2	2.0	3.9	0.2	0.6	0.6	0.2	2.4
50-59	1,123.3	74.6	6	18.2	2.5	1.1	1.5	0.1	0.4	0.1	0.0	1.5
60-70	2,876.7	100.0	6	6	6	6	6	6	6	6	6	6
working age	4,394.2	25.8	36.1	31.7	1.8	1.0	1.6	0.1	0.4	0.2	0.1	1.2
over working age	2,876.7	100.0	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	other
		in percentage to the total										
Rural areas including by age group (years)	3,674.1	50.5	18.4	25.0	1.1	1.2	0.6	0.3	1.0	0.3	0.2	1.4
15-24	8, 84.8	3.2	76.4	15.9	0.4	0.9	0.7	0.5	1.1	0.1	0.1	0.7
25-29	252.9	8.6	0.7	78.7	1.5	3.1	0.8	0.5	2.7	0.7	0.5	2.2
30-34	207.9	14.1	0.0	71.8	3.0	2.7	1.1	0.5	3.0	0.5	0.3	3.0
35-39	162.7	19.1	ó	67.1	2.0	2.6	1.2	0.6	2.1	0.5	1.0	3.8
40-49	330.3	31.4	ó	52.1	3.5	2.9	1.7	0.8	2.2	1.0	0.6	3.8
50-59	613.0	68.3	ó	24.0	2.0	1.2	0.8	0.1	0.8	0.3	0.1	2.4
60-70	1,222.5	100.0	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó
working age	2,451.6	25.8	27.6	37.4	1.7	1.8	0.9	0.4	1.6	0.4	0.3	2.1
over working age	1,222.5	100.0	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	other
		in percentage to the total										
Total including by level of education	10,945.0	53.6	20.7	21.1	1.1	0.8	0.9	0.1	0.5	0.2	0.1	0.9
complete higher	1,784.8	61.2	1.2	33.4	0.8	0.8	0.9	0.1	0.8	0.1	0.2	0.5
basic higher	176.6	7.5	69.4	19.1	1.5	0.3	0.4	0.4	0.5	0.3	0.2	0.4
uncompleted higher	1,687.0	69.6	4.6	21.4	1.0	0.8	1.0	0.2	0.4	0.1	0.1	0.8
vocational	2,078.2	66.6	1.1	24.7	1.7	1.5	1.2	0.2	0.9	0.3	0.2	1.6
complete secondary	3,727.8	46.7	30.0	19.1	1.0	0.6	0.8	0.2	0.4	0.2	0.1	0.9
basic secondary	1,310.4	29.5	61.1	7.0	0.8	0.3	0.4	0.1	0.2	0.1	0.1	0.4
primary education or not educated	180.2	41.6	55.0	0.9	1.7	0	0	0.2	0	0	0	0.6
Women including by level of education	6,708.0	52.1	16.3	28.5	0.7	0.6	0.8	0.1	0.4	0.1	0.0	0.4
complete higher	1,223.3	52.3	0.6	44.0	0.4	0.7	1.0	0.0	0.6	0.0	0.1	0.3
basic higher	106.3	9.5	58.8	29.4	0.4	0.2	0.7	0	0.4	0	0.4	0.2
uncompleted higher	1,209.8	67.6	3.1	25.8	0.8	0.8	0.8	0.1	0.3	0.1	0.0	0.6
vocational	1,082.1	59.3	0.9	34.8	1.0	1.0	1.1	0.1	0.9	0.2	0.0	0.7
complete secondary	2,280.5	48.2	24.0	25.3	0.6	0.4	0.7	0.1	0.3	0.0	0.0	0.4
basic secondary	719.6	34.9	53.2	10.2	0.7	0.2	0.2	0	0.2	0.1	0	0.3
primary education or not educated	86.4	41.8	54.5	1.4	1.5	0	0	0.3	0	0	0	0.5

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	other
		in percentage to the total										
Men	4,237.0	55.9	27.6	9.4	1.8	1.1	1.0	0.2	0.7	0.3	0.2	1.8
including by level of education												
complete higher	561.5	80.6	2.4	10.4	1.9	1.1	0.6	0.1	1.0	0.2	0.3	1.4
basic higher	70.3	4.6	85.5	3.4	3.3	0.6	6	1.0	0.7	0.7	6	0.2
uncompleted higher	477.2	74.6	8.3	10.3	1.7	0.6	1.4	0.3	0.7	0.1	0.2	1.8
vocational	996.1	74.5	1.2	13.8	2.4	2.0	1.3	0.3	1.0	0.5	0.4	2.6
complete secondary	1,447.3	44.4	39.5	9.3	1.7	0.9	1.1	0.2	0.5	0.3	0.2	1.9
basic secondary	590.8	22.8	70.8	3.0	0.9	0.4	0.6	0.1	0.2	0.2	0.1	0.9
primary education or not educated	93.8	41.5	55.5	0.5	1.9	6	6	6	6	6	6	0.6
Urban settlements	7,270.9	55.2	21.8	19.1	1.1	0.6	1.0	0.1	0.3	0.1	0.1	0.6
including by level of education												
complete higher	1,528.5	61.7	1.2	33.3	0.9	0.7	1.0	0.0	0.6	0.0	0.2	0.4
basic higher	139.4	7.0	73.0	17.1	0.9	0.1	0.5	0.5	0.3	0.1	6	0.5
uncompleted higher	1,283.5	71.6	5.0	19.5	1.0	0.6	1.1	0.2	0.2	0.1	0.1	0.6
vocational	1,321.1	71.0	1.0	21.4	1.6	1.1	1.4	0.1	0.4	0.3	0.2	1.5
complete secondary	2,221.5	45.0	38.7	13.3	1.0	0.3	0.9	0.0	0.1	0.1	0.0	0.6
basic secondary	678.9	23.9	69.6	4.4	0.9	0.3	0.3	6	0.0	0.1	0.0	0.5
primary education or not educated	98.0	39.8	57.1	0.1	2.1	6	6	6	6	6	6	0.9
Rural areas	3,674.1	50.5	18.4	25.0	1.1	1.2	0.6	0.3	1.0	0.2	0.2	1.5
including by level of education												
complete higher	256.3	58.3	0.9	34.1	0.7	1.7	0.4	0.2	2.0	0.1	0.3	1.3
basic higher	37.2	9.4	56.2	26.3	3.5	1.1	6	6	1.3	1.1	1.1	6
uncompleted higher	403.5	63.2	3.4	27.4	1.1	1.3	0.6	0.1	1.2	0.2	0.2	1.3
vocational	757.1	58.9	1.1	30.4	1.7	2.3	0.8	0.4	1.9	0.4	0.2	1.9
complete secondary	1,506.3	49.2	17.2	27.6	1.0	1.0	0.7	0.3	0.8	0.3	0.2	1.7
basic secondary	631.5	35.4	52.1	9.8	0.6	0.2	0.4	0.1	0.3	0.1	0.1	0.9
primary education or not educated	82.2	43.8	52.6	1.9	1.3	132	6	6	0.4	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	other
		in percentage to the total										
Ukraine	10,945.0	53.6	20.7	21.1	1.1	0.8	0.9	0.1	0.5	0.2	0.1	0.9
Vinnitsia	441.6	55.1	22.1	17.1	0.7	1.7	0.2	0.4	0.7	0.1	0.2	1.7
Volyn	331.6	46.3	19.1	30.9	0.5	0.9	ó	0.3	1.3	0.2	ó	0.5
Dnipropetrovsk	876.9	55.8	22.2	17.8	0.6	0.4	0.9	0.0	0.3	0.3	0.1	1.6
Donetsk	625.4	58.0	13.0	16.5	3.4	0.8	4.1	0.0	0.3	0.2	ó	3.7
Zhytomyr	332.1	53.9	18.0	27.2	0.2	ó	ó	ó	0.1	ó	ó	0.6
Zakarpattia	367.6	46.6	18.0	34.2	0.0	ó	0.3	0.1	0.2	0.2	ó	0.4
Zaporizhia	498.6	55.9	16.8	22.2	0.5	1.3	0.2	0.3	0.7	0.2	ó	1.9
Ivano-Frankivsk	406.3	53.3	20.7	22.6	1.9	0.8	0.3	0.0	0.1	ó	0.2	0.1
Kyiv	484.7	60.7	18.9	14.7	1.2	0.2	1.1	0.1	0.5	0.0	0.0	2.6
Kirovohrad	277.2	53.8	15.4	25.2	1.3	2.2	0.6	0.1	0.6	0.2	0.1	0.5
Luhansk	183.9	63.6	16.0	13.7	2.1	0.9	2.0	0.3	0.8	0.2	0.1	0.3
Lviv	733.6	53.5	22.1	20.0	0.8	1.7	0.6	0.1	0.9	0.1	0.2	ó
Mykolaiv	316.1	53.3	21.2	21.8	0.8	0.3	1.8	ó	0.3	0.3	ó	0.2
Odesa	696.4	50.5	20.1	26.0	1.6	0.3	0.6	0.1	0.4	0.2	0.1	0.1
Poltava	411.2	57.8	19.5	18.8	1.2	1.1	ó	0.1	0.4	0.3	0.2	0.6
Rivne	315.4	42.5	23.1	26.9	0.9	0.8	0.2	0.8	1.9	0.3	1.5	1.1
Sumy	309.8	55.1	19.9	14.2	2.6	3.6	1.4	0.7	1.7	ó	ó	0.8
Ternopil	328.9	46.2	17.4	31.2	0.9	1.1	ó	0.2	1.8	0.6	0.4	0.2
Kharkiv	730.7	58.2	26.2	15.6	ó	ó	ó	0.0	ó	ó	ó	0.0
Kherson	290.2	56.4	16.0	22.7	0.7	0.4	2.4	0.1	0.4	0.3	0.1	0.5
Khmelnysk	376.4	53.1	17.5	24.9	2.3	0.4	0.5	0.2	0.4	0.2	0.1	0.4
Cherkasy	336.9	59.8	22.9	10.6	0.7	0.3	1.8	ó	ó	ó	ó	3.9
Chernivtsi	255.9	41.9	27.0	24.1	3.0	0.9	1.4	0.5	0.5	0.1	ó	0.6
Chernihiv	279.9	58.8	15.8	22.3	0.5	0.4	ó	ó	0.3	0.1	0.0	1.8
Kyiv city	737.7	46.4	31.7	19.9	0.5	0.3	1.0	ó	0.1	ó	0.0	0.1

4.5. Potential labour force, by reason of unemployment, sex and place of residence

	Total	Women	Men	Urban settlements	Rural areas
Number of potential labour force among the economically inactive population, total, thsd. prs.¹	171.2	70.9	100.3	76.6	94.6
including by cause of unemployment, in percentage to the total					
laid off for economic reasons	15.1	17.5	13.5	20.0	11.2
dismissed due to one's own will, upon a mutual agreement of the parties	22.3	28.2	18.1	26.6	18.8
dismissed due to end of employment contract or agreement	11.9	7.5	15.1	9.1	14.2
not employed after graduating from the general educational and tertiary educational institutions	12.6	10.4	14.1	8.9	15.5
seasonal work	11.2	6.5	14.6	9.5	12.6
perform home (family) duties etc.	12.3	20.5	6.6	9.9	14.3
state of health, registering for pension	2.2	1.1	2.8	2.6	1.8
other reasons	12.4	8.3	15.2	13.4	11.6

¹ See basic methodological definitions and concepts.

4.6. Potential labour force, by duration of unemployment, sex and place of residence

	Total	Of these, persons who had previously worked		including by duration of unemployment					
				under 1 month	from 1 to 3 months	from 3 to 6 months	from 6 to 9 months	from 9 to 12 months	12 months and more
		thsd. prs.	percent	percent of the total					
Number of potential labour force among the economically inactive population, total, thsd. prs.¹	171.2	113.2	66.1	6.4	14.3	15.3	8.3	5.5	50.2
Women	70.9	46.4	65.4	3.9	8.0	12.7	8.8	6.7	59.9
Men	100.3	66.8	66.6	8.1	18.7	17.1	7.9	4.6	43.6
Urban settlements	76.6	56.5	73.8	5.1	11.2	14.0	8.3	5.0	56.4
Rural areas	94.6	56.7	59.9	7.6	17.5	16.6	8.3	6.0	44.0

¹ See basic methodological definitions and concepts.

**MAIN INDICATORS OF ECONOMIC ACTIVITY OF
POPULATION, 2010 – 2017**

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		
Total										
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
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
2017	17,854.4	1,384.9	2,308.0	2,718.7	2,451.1	4,570.6	3,759.9	661.2	17,193.2	661.2
Women										
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
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
2017	8,423.8	587.6	944.3	1,188.3	1,142.0	2,311.5	1,903.6	346.5	8,077.3	346.5
Men										
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
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
2017	9,430.6	797.3	1,363.7	1,530.4	1,309.1	2,259.1	1,856.3	314.7	9,115.9	314.7
Urban settlements										
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
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
2017	12,252.2	790.7	1,550.7	2,012.2	1,767.8	3,139.6	2,570.4	420.8	11,831.4	420.8
Rural areas										
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
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
2017	5,602.2	594.2	757.3	706.5	683.3	1,431.0	1,189.5	240.4	5,361.8	240.4

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			
Total											
2010	63.6	40.6	80.0	83.4	86.1	84.5	64.4	24.1	71.9	28.0	
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	
2017	62.0	34.4	78.6	82.7	84.7	84.7	68.4	13.9	71.5	13.9	
Women											
2010	58.4	35.2	71.1	77.7	82.8	83.6	57.8	22.2	68.6	28.4	
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	
2017	55.7	30.0	65.7	73.4	78.6	82.8	63.1	12.1	65.8	12.1	
Men											
2010	69.4	45.7	88.6	89.2	89.5	85.4	72.5	27.0	75.0	27.0	
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	
2017	69.0	38.6	90.8	91.8	90.9	86.7	74.9	16.5	77.5	16.5	
Urban settlements											
2010	62.0	36.9	80.7	84.4	86.7	84.3	62.0	15.9	71.3	21.1	
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	
2017	62.8	31.0	80.4	84.8	86.3	86.3	69.6	12.8	72.9	12.8	
Rural areas											
2010	67.5	48.7	77.8	80.9	84.6	84.9	70.4	41.1	73.4	43.3	
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	
2017	60.4	40.2	75.0	77.3	80.8	81.2	66.0	16.4	68.6	16.4	

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		
Total										
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
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
2017	16,156.4	1,122.9	2,048.2	2,451.5	2,244.6	4,172.6	3,456.1	660.5	15,495.9	660.5
Women										
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
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
2017	7,771.2	487.7	863.4	1,089.9	1,056.6	2,146.3	1,780.8	346.5	7,424.7	346.5
Men										
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
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
2017	8,385.2	635.2	1,184.8	1,361.6	1,188.0	2,026.3	1,675.3	314.0	8,071.2	314.0
Urban settlements										
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
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
2017	11,109.3	650.2	1,379.9	1,813.5	1,624.6	2,854.1	2,366.9	420.1	10,689.2	420.1
Rural areas										
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
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
2017	5,047.1	472.7	668.3	638.0	620.0	1,318.5	1,089.2	240.4	4,806.7	240.4

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
Total										
2010	58.4	33.6	72.0	76.6	79.2	78.7	60.9	24.1	65.5	28.0
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
2017	56.1	27.9	69.7	74.6	77.6	77.3	62.9	13.9	64.5	13.9
Women										
2010	54.4	29.3	65.4	72.1	77.1	78.6	55.6	22.2	63.3	28.4
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
2017	51.4	24.9	60.1	67.3	72.7	76.9	59.0	12.1	60.5	12.1
Men										
2010	62.9	37.7	78.4	81.1	81.4	78.8	67.5	27.0	67.5	27.0
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
2017	61.4	30.7	78.9	81.7	82.5	77.8	67.6	16.5	68.6	16.5
Urban settlements										
2010	56.6	29.5	72.4	77.5	80.2	78.5	58.4	15.8	64.7	21.1
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
2017	56.9	25.5	71.6	76.4	79.3	78.5	64.1	12.7	65.9	12.7
Rural areas										
2010	62.6	42.7	70.9	74.4	76.9	79.2	66.9	41.1	67.3	43.3
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
2017	54.4	32.0	66.2	69.8	73.3	74.9	60.4	16.4	61.5	16.4

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		
Total										
2010	1,713.9	434.5	280.5	216.6	211.3	356.8	213.9	0.3	1,712.5	1.4
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
2017	1,698.0	262.0	259.8	267.2	206.5	398.0	303.8	0.7	1,697.3	0.7
Women										
2010	698.3	180.1	98.3	88.4	90.0	163.8	77.7	0	697.2	1.1
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
2017	652.6	99.9	80.9	98.4	85.4	165.2	122.8	0	652.6	0
Men										
2010	1,015.6	254.4	182.2	128.2	121.3	193.0	136.2	0.3	1,015.3	0.3
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
2017	1,045.4	162.1	178.9	168.8	121.1	232.8	181.0	0.7	1,044.7	0.7
Urban settlements										
2010	1,238.8	318.3	219.1	158.2	140.5	249.5	152.9	0.3	1,237.4	1.4
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
2017	1,142.9	140.5	170.8	198.7	143.2	285.5	203.5	0.7	1,142.2	0.7
Rural areas										
2010	475.1	116.2	61.4	58.4	70.8	107.3	61.0	0	475.1	0
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
2017	555.1	121.5	89.0	68.5	63.3	112.5	100.3	0	555.1	0

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
Total										
2010	8.2	17.2	10.0	8.1	7.9	6.8	5.5	0.0	8.9	0.1
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
2017	9.5	18.9	11.3	9.8	8.4	8.7	8.1	0.1	9.9	0.1
Women										
2010	6.9	16.8	8.0	7.1	6.9	6.0	4.0	0	7.8	0.1
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
2017	7.7	17.0	8.6	8.3	7.5	7.1	6.5	0	8.1	0
Men										
2010	9.4	17.5	11.5	9.0	8.9	7.7	6.9	0.1	9.9	0.1
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
2017	11.1	20.3	13.1	11.0	9.3	10.3	9.8	0.2	11.5	0.2
Urban settlements										
2010	8.7	20.1	10.3	8.2	7.5	6.9	5.7	0.1	9.2	0.2
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
2017	9.3	17.8	11.0	9.9	8.1	9.1	7.9	0.2	9.7	0.2
Rural areas										
2010	7.2	12.4	8.9	8.0	9.0	6.7	5.0	0	8.3	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
2017	9.9	20.4	11.8	9.7	9.3	7.9	8.4	0	10.4	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
Total										
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
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
2017	10,945.0	2,642.3	630.1	567.9	442.5	826.7	1,736.3	4,099.2	6,845.8	4,099.2
Women										
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
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
2017	6,708.0	1,371.6	492.7	431.0	311.0	480.1	1,112.7	2,508.9	4,199.1	2,508.9
Men										
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
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
2017	4,237.0	1,270.7	137.4	136.9	131.5	346.6	623.6	1,590.3	2,646.7	1,590.3
Urban settlements										
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
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
2017	7,270.9	1,757.5	377.2	360.0	279.8	496.4	1,123.3	2,876.7	4,394.2	2,876.7
Rural areas										
2010	3,175.1	988.3	198.4	170.9	143.4	285.4	515.0	873.7	2,089.3	1,085.8
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
2017	3,674.1	884.8	252.9	207.9	162.7	330.3	613.0	1,222.5	2,451.6	1,222.5

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	2014	2015	2016	2017	2010	2014	2015	2016	2017
Total										
Ukraine	20,894.1	19,920.9	18,097.9	17,955.1	17,854.4	63.6	62.4	62.4	62.2	62.0
Vinnitsia	771.2	739.2	741.2	729.8	717.4	63.9	62.9	63.4	62.8	61.9
Volyn	474.1	455.4	440.4	431.8	418.1	63.6	60.9	58.8	57.7	55.8
Dnipropetrovsk	1,659.6	1,601.7	1,594.9	1,547.1	1,520.1	64.9	65.5	65.6	64.1	63.4
Donetsk	2,166.6	1,968.8	877.7	871.3	859.6	63.7	60.9	58.3	58.3	57.9
Zhytomyr	621.1	581.4	571.2	571.3	572.6	65.9	63.4	62.5	63.0	63.3
Zakarpattia	582.2	574.5	571.8	561.8	554.5	63.1	62.2	61.9	60.9	60.1
Zaporizhia	892.6	844.8	825.5	816.3	805.9	64.3	63.6	62.5	62.2	61.8
Ivano-Frankivsk	577.8	595.9	609.5	610.4	610.9	57.0	58.6	59.8	60.0	60.1
Kyiv	817.6	786.9	790.6	789.8	793.0	63.2	61.8	62.0	62.0	62.1
Kirovohrad	473.5	440.3	436.6	428.8	429.4	62.4	61.0	60.9	60.4	60.8
Luhansk	1,094.1	990.3	362.7	355.5	350.4	61.6	58.7	64.7	66.2	65.6
Lviv	1,190.0	1,135.4	1,134.7	1,134.9	1,136.6	62.9	60.5	60.5	60.6	60.8
Mykolaiv	586.1	551.6	558.2	551.4	546.0	64.5	63.0	64.0	63.6	63.3
Odesa	1,112.5	1,081.9	1,086.3	1,073.1	1,063.8	61.3	60.8	61.2	60.8	60.4
Poltava	714.0	681.2	664.3	653.0	653.3	63.4	62.9	61.7	61.0	61.4
Rivne	532.0	532.7	541.4	530.5	520.3	64.0	64.1	65.0	63.6	62.3
Sumy	556.2	532.0	523.3	527.3	529.4	62.7	62.5	61.8	62.6	63.1
Ternopil	482.1	469.1	460.3	460.4	453.0	60.6	59.6	58.5	58.7	57.9
Kharkiv	1,365.2	1,328.8	1,324.2	1,321.2	1,327.5	63.9	63.9	63.8	63.8	64.5
Kherson	534.9	499.8	496.6	496.9	497.2	64.4	62.6	62.5	62.8	63.1
Khmelnysk	635.5	575.9	557.1	563.1	566.2	64.7	60.3	58.6	59.5	60.1
Cherkasy	627.3	584.3	580.2	577.3	577.6	64.9	62.8	62.6	62.7	63.2
Chernivtsi	418.0	407.4	404.9	411.8	414.1	62.7	61.0	60.5	61.5	61.8
Chernihiv	536.2	494.8	483.9	478.7	479.6	66.2	63.9	62.9	62.6	63.1
Kyiv city	1,473.7	1,466.8	1,460.4	1,461.6	1,457.9	67.5	67.1	66.7	66.7	66.4

Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Women										
Ukraine	10,140.3	9,428.3	8,564.6	8,479.4	8,423.8	58.4	56.1	56.2	55.9	55.7
Vinnitsia	373.0	349.7	347.3	346.3	345.0	58.5	56.8	56.7	56.9	56.8
Volyn	227.7	224.4	208.2	198.1	200.7	58.8	58.0	53.7	51.0	51.6
Dnipropetrovsk	814.1	770.9	780.4	750.2	717.7	59.5	59.2	60.3	58.4	56.2
Donetsk	1,070.6	945.1	410.2	408.6	394.1	58.7	54.7	51.6	51.7	50.2
Zhytomyr	304.5	275.9	275.4	278.5	277.0	61.7	57.7	57.9	58.9	58.7
Zakarpattia	271.6	268.7	260.1	244.9	243.2	57.2	56.6	54.7	51.6	51.3
Zaporizhia	438.3	413.5	393.0	386.9	377.2	59.0	58.5	55.9	55.4	54.3
Ivano-Frankivsk	276.1	261.6	270.2	272.2	271.5	52.6	49.9	51.4	51.8	51.7
Kyiv	388.3	369.6	374.2	376.2	376.9	56.9	55.3	55.8	55.9	55.7
Kirovohrad	234.3	211.0	206.1	202.7	203.6	58.1	55.2	54.4	54.0	54.5
Luhansk	535.3	467.8	176.1	174.1	171.6	56.7	52.5	60.0	61.7	61.1
Lviv	570.2	520.7	519.6	520.5	530.8	58.5	54.0	53.8	54.1	55.2
Mykolaiv	281.0	255.3	265.7	257.3	256.0	58.3	55.2	57.7	56.2	56.3
Odesa	517.1	470.5	480.1	474.7	471.8	54.3	50.7	51.8	51.5	51.3
Poltava	347.3	323.7	316.0	307.2	307.6	58.3	56.8	55.8	54.5	54.9
Rivne	259.0	253.9	265.0	246.5	245.7	60.2	59.1	61.6	57.3	56.9
Sumy	275.5	255.2	252.1	259.5	260.0	58.5	56.8	56.4	58.3	58.6
Ternopil	233.6	224.4	222.1	226.9	219.2	56.3	54.9	54.4	55.7	54.0
Kharkiv	645.0	615.2	617.0	631.3	631.1	57.0	56.3	56.6	58.1	58.4
Kherson	249.9	228.0	232.7	224.0	221.2	57.0	54.3	55.7	53.9	53.4
Khmelnysk	308.9	279.5	265.0	261.1	266.2	60.0	56.1	53.4	52.9	54.1
Cherkasy	314.1	278.8	274.6	276.6	281.9	61.1	56.6	56.1	56.9	58.3
Chernivtsi	202.5	186.2	192.1	189.2	195.8	58.0	53.4	55.0	54.2	56.0
Chernihiv	274.8	246.7	231.5	235.2	236.2	64.2	60.7	57.3	58.5	59.1
Kyiv city	727.6	732.0	729.9	730.7	721.8	62.2	62.5	62.1	62.1	61.3

Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Men										
Ukraine	10,753.8	10,492.6	9,533.3	9,475.7	9,430.6	69.4	69.3	69.2	69.1	69.0
Vinnitsia	398.2	389.5	393.9	383.5	372.4	69.9	69.7	70.7	69.2	67.5
Volyn	246.4	231.0	232.2	233.7	217.4	68.8	64.1	64.4	64.8	60.3
Dnipropetrovsk	845.5	830.8	814.5	796.9	802.4	71.2	72.6	71.6	70.6	71.6
Donetsk	1,096.0	1,023.7	467.5	462.7	465.5	69.5	67.9	65.9	65.6	66.5
Zhytomyr	316.6	305.5	295.8	292.8	295.6	70.5	69.5	67.6	67.4	68.3
Zakarpattia	310.6	305.8	311.7	316.9	311.3	69.5	68.1	69.5	70.7	69.5
Zaporizhia	454.3	431.3	432.5	429.4	428.7	70.3	69.3	69.9	69.9	70.2
Ivano-Frankivsk	301.7	334.3	339.3	338.2	339.4	61.7	68.0	68.9	68.7	69.0
Kyiv	429.3	417.3	416.4	413.6	416.1	70.3	69.0	69.0	68.7	69.2
Kirovohrad	239.2	229.3	230.5	226.1	225.8	67.4	67.5	68.3	67.5	67.7
Luhansk	558.8	522.5	186.6	181.4	178.8	67.1	65.6	69.8	71.1	70.5
Lviv	619.8	614.7	615.1	614.4	605.8	67.6	67.4	67.5	67.6	66.7
Mykolaiv	305.1	296.3	292.5	294.1	290.0	71.5	71.8	71.1	71.9	71.2
Odesa	595.4	611.4	606.2	598.4	592.0	68.9	71.9	71.5	70.9	70.4
Poltava	366.7	357.5	348.3	345.8	345.7	69.2	69.8	68.4	68.2	68.6
Rivne	273.0	278.8	276.4	284.0	274.6	68.1	69.3	68.6	70.4	68.0
Sumy	280.7	276.8	271.2	267.8	269.4	67.3	68.9	67.9	67.4	68.2
Ternopil	248.5	244.7	238.2	233.5	233.8	65.4	64.7	63.0	61.9	62.2
Kharkiv	720.2	713.6	707.2	689.9	696.4	71.7	72.3	71.7	70.2	71.3
Kherson	285.0	271.8	263.9	272.9	276.0	72.7	71.7	70.0	72.8	74.0
Khmelnysk	326.6	296.4	292.1	302.0	300.0	69.9	64.9	64.2	66.7	66.6
Cherkasy	313.2	305.5	305.6	300.7	295.7	69.1	69.7	70.0	69.3	68.6
Chernivtsi	215.5	221.2	212.8	222.6	218.3	67.9	69.2	66.5	69.5	68.1
Chernihiv	261.4	248.1	252.4	243.5	243.4	68.4	67.5	69.2	67.2	67.7
Kyiv city	746.1	734.8	730.5	730.9	736.1	73.6	72.5	72.0	72.0	72.4

Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Urban settlements										
Ukraine	14,311.0	14,070.3	12,430.4	12,306.4	12,252.2	62.0	62.6	63.1	62.8	62.8
Vinnitsia	368.1	379.8	392.1	384.9	380.5	58.8	61.5	63.7	62.9	62.4
Volyn	227.4	243.5	237.4	235.7	233.3	56.4	60.1	58.5	58.2	57.7
Dnipropetrovsk	1,399.7	1,375.0	1,367.1	1,329.2	1,309.0	65.0	66.7	66.7	65.4	64.9
Donetsk	1,959.4	1,790.3	734.5	732.7	720.4	63.4	60.9	57.5	57.7	57.1
Zhytomyr	334.1	344.2	345.9	338.7	339.1	58.9	61.7	62.3	61.5	61.8
Zakarpattia	238.3	237.9	231.6	227.9	228.8	68.6	69.1	67.4	66.6	67.2
Zaporizhia	673.2	660.4	645.1	636.5	634.5	62.3	63.8	62.7	62.2	62.5
Ivano-Frankivsk	253.4	262.6	280.5	285.7	288.7	55.7	57.8	61.6	62.7	63.3
Kyiv	511.1	524.4	524.5	516.4	516.2	62.7	64.6	64.6	63.6	63.7
Kirovohrad	301.0	287.4	290.0	284.5	290.6	62.7	62.1	63.1	62.5	64.2
Luhansk	925.8	848.6	240.0	239.8	234.3	59.8	57.7	59.2	61.9	60.8
Lviv	714.0	723.2	731.9	723.9	722.8	60.6	62.2	63.0	62.5	62.6
Mykolaiv	385.5	372.1	375.4	374.2	377.5	61.6	61.6	62.3	62.4	63.2
Odesa	747.3	739.8	735.4	723.2	718.1	60.7	61.4	61.3	60.7	60.5
Poltava	440.8	425.0	426.6	418.1	417.4	62.7	62.4	62.9	61.9	62.2
Rivne	242.4	246.5	253.0	249.9	241.2	57.4	58.7	60.4	60.0	58.1
Sumy	399.5	358.3	358.5	357.4	358.9	65.1	60.2	60.5	60.6	61.1
Ternopil	212.5	225.9	243.1	246.3	241.3	58.1	62.2	67.0	68.2	67.0
Kharkiv	1,087.6	1,092.1	1,093.5	1,081.8	1,085.2	62.9	64.6	64.7	64.2	64.9
Kherson	295.2	290.2	291.7	293.8	294.3	57.5	59.0	59.6	60.4	60.9
Khmelnitsk	332.6	342.4	338.1	329.5	322.5	59.0	61.3	60.6	59.3	58.3
Cherkasy	349.4	346.1	346.0	348.1	348.6	62.2	63.5	63.7	64.6	65.1
Chernivtsi	115.5	167.1	169.2	165.9	162.9	39.5	56.2	56.7	55.5	54.6
Chernihiv	323.5	320.7	318.9	320.7	328.2	60.7	61.8	61.7	62.4	64.4
Kyiv city	1,473.7	1,466.8	1,460.4	1,461.6	1,457.9	67.5	67.1	66.7	66.7	66.4

Table 5.8. continued

	Economically active population aged 15-70, thsd. prs.					Economic activity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Rural areas										
Ukraine	6,583.1	5,850.6	5,667.5	5,648.7	5,602.2	67.5	61.8	60.8	60.9	60.4
Vinnitsia	403.1	359.4	349.1	344.9	336.9	69.3	64.5	63.0	62.6	61.4
Volyn	246.7	211.9	203.0	196.1	184.8	72.1	61.9	59.2	57.0	53.5
Dnipropetrovsk	259.9	226.7	227.8	217.9	211.1	64.6	58.9	59.5	57.2	55.6
Donetsk	207.2	178.5	143.2	138.6	139.2	66.4	60.7	62.9	61.7	62.3
Zhytomyr	287.0	237.2	225.3	232.6	233.5	76.5	65.9	62.9	65.2	65.6
Zakarpattia	343.9	336.6	340.2	333.9	325.7	59.8	58.1	58.6	57.5	56.0
Zaporizhia	219.4	184.4	180.4	179.8	171.4	71.1	62.8	61.8	62.0	59.2
Ivano-Frankivsk	324.4	333.3	329.0	324.7	322.2	58.0	59.3	58.4	57.8	57.4
Kyiv	306.5	262.5	266.1	273.4	276.8	64.1	56.9	57.6	59.0	59.2
Kirovohrad	172.5	152.9	146.6	144.3	138.8	62.1	58.9	57.1	56.7	54.6
Luhansk	168.3	141.7	122.7	115.7	116.1	73.3	65.6	79.0	77.4	78.0
Lviv	476.0	412.2	402.8	411.0	413.8	66.7	57.8	56.4	57.6	57.9
Mykolaiv	200.6	179.5	182.8	177.2	168.5	70.9	66.2	67.9	66.4	63.5
Odesa	365.2	342.1	350.9	349.9	345.7	62.5	59.5	61.1	61.0	60.3
Poltava	273.2	256.2	237.7	234.9	235.9	64.5	63.9	59.7	59.4	59.9
Rivne	289.6	286.2	288.4	280.6	279.1	70.8	69.5	69.6	67.3	66.4
Sumy	156.7	173.7	164.8	169.9	170.5	57.3	67.8	64.9	67.3	67.7
Ternopil	269.6	243.2	217.2	214.1	211.7	62.8	57.3	51.3	50.6	50.2
Kharkiv	277.6	236.7	230.7	239.4	242.3	68.2	61.0	59.6	62.1	63.0
Kherson	239.7	209.6	204.9	203.1	202.9	75.6	68.3	67.0	66.7	66.7
Khmelnysk	302.9	233.5	219.0	233.6	243.7	72.5	58.9	55.7	59.8	62.5
Cherkasy	277.9	238.2	234.2	229.2	229.0	68.7	61.7	61.1	60.1	60.4
Chernivtsi	302.5	240.3	235.7	245.9	251.2	80.8	64.7	63.5	66.4	67.6
Chernihiv	212.7	174.1	165.0	158.0	151.4	76.6	68.2	65.4	63.1	60.7
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	2014	2015	2016	2017	2010	2014	2015	2016	2017
Total										
Ukraine	19,180.2	18,073.3	16,443.2	16,276.9	16,156.4	58.4	56.6	56.7	56.3	56.1
Vinnitsia	694.3	661.6	674.9	658.8	640.9	57.5	56.3	57.7	56.6	55.3
Volyn	433.6	410.5	397.3	382.1	366.0	58.2	54.9	53.1	51.0	48.8
Dnipropetrovsk	1,541.9	1,472.8	1,479.6	1,425.4	1,390.9	60.3	60.2	60.9	59.1	58.0
Donetsk	1,983.7	1,752.4	756.3	748.4	734.3	58.3	54.2	50.3	50.0	49.4
Zhytomyr	560.3	514.8	506.6	507.6	510.6	59.5	56.1	55.5	55.9	56.4
Zakarpattia	531.8	521.4	519.3	505.5	496.3	57.7	56.4	56.2	54.8	53.8
Zaporizhia	825.7	773.5	745.1	734.9	719.7	59.5	58.2	56.4	56.0	55.2
Ivano-Frankivsk	530.3	547.8	558.3	556.9	559.0	52.3	53.9	54.8	54.7	55.0
Kyiv	757.9	724.3	739.9	736.3	741.1	58.6	56.9	58.1	57.8	58.0
Kirovohrad	431.2	391.1	386.8	375.7	376.8	56.9	54.2	54.0	52.9	53.3
Luhansk	1,015.4	877.6	306.3	298.5	292.1	57.1	52.0	54.6	55.6	54.7
Lviv	1,096.7	1,038.2	1,042.0	1,047.0	1,050.8	58.0	55.3	55.5	55.9	56.2
Mykolaiv	536.7	501.5	508.7	498.1	489.7	59.1	57.3	58.4	57.5	56.8
Odesa	1,044.5	1,009.4	1,016.2	1,000.6	986.6	57.5	56.7	57.3	56.7	56.1
Poltava	644.8	602.9	583.6	570.4	575.0	57.3	55.7	54.2	53.3	54.0
Rivne	471.2	476.0	487.7	474.2	460.2	56.7	57.2	58.5	56.9	55.1
Sumy	497.0	481.4	470.5	478.5	481.4	56.0	56.6	55.6	56.8	57.4
Ternopil	431.3	416.0	406.2	407.6	399.1	54.2	52.9	51.6	52.0	51.0
Kharkiv	1,267.3	1,225.3	1,230.8	1,236.6	1,247.1	59.3	59.0	59.3	59.7	60.6
Kherson	488.8	450.2	445.8	441.0	442.2	58.9	56.4	56.1	55.8	56.2
Khmelnysk	580.6	521.9	500.5	510.1	516.0	59.1	54.7	52.6	53.9	54.7
Cherkasy	564.9	524.5	523.5	517.5	518.4	58.4	56.3	56.5	56.2	56.7
Chernivtsi	382.4	370.6	367.2	376.1	379.3	57.4	55.5	54.9	56.2	56.6
Chernihiv	480.1	439.5	432.3	424.8	426.1	59.2	56.8	56.2	55.6	56.1
Kyiv city	1,387.8	1,368.1	1,357.8	1,364.3	1,356.8	63.6	62.6	62.0	62.3	61.8

Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Women										
Ukraine	9,442.0	8,718.9	7,872.4	7,827.4	7,771.2	54.4	51.9	51.7	51.6	51.4
Vinnitsia	343.9	319.5	315.0	312.8	307.1	53.9	51.9	51.4	51.4	50.6
Volyn	214.4	206.1	190.2	182.7	176.1	55.3	53.3	49.0	47.0	45.2
Dnipropetrovsk	759.1	722.5	735.5	705.2	669.9	55.5	55.5	56.8	54.9	52.5
Donetsk	984.3	862.3	354.2	362.3	364.8	54.0	49.9	44.6	45.8	46.5
Zhytomyr	285.2	251.4	250.5	248.7	246.5	57.8	52.6	52.6	52.6	52.2
Zakarpattia	255.0	249.7	243.7	223.3	217.7	53.7	52.6	51.3	47.1	45.9
Zaporizhia	411.5	382.7	356.9	353.7	336.6	55.4	54.2	50.8	50.7	48.5
Ivano-Frankivsk	258.2	240.4	248.1	248.2	253.6	49.2	45.8	47.2	47.2	48.3
Kyiv	367.4	340.9	352.3	354.4	358.2	53.9	51.0	52.5	52.7	53.0
Kirovohrad	216.4	186.7	186.1	182.0	182.9	53.6	48.8	49.1	48.5	49.0
Luhansk	494.7	423.9	151.6	151.3	147.6	52.4	47.6	51.6	53.7	52.6
Lviv	532.0	490.0	482.9	486.6	501.6	54.5	50.8	50.0	50.5	52.1
Mykolaiv	262.9	240.9	245.5	237.3	230.5	54.5	52.1	53.3	51.9	50.7
Odesa	493.6	447.5	461.7	457.1	448.4	51.8	48.2	49.9	49.6	48.8
Poltava	319.9	290.2	278.7	275.0	282.0	53.7	50.9	49.2	48.8	50.3
Rivne	235.0	234.1	241.8	233.1	222.7	54.6	54.5	56.2	54.2	51.6
Sumy	251.8	232.2	227.6	236.2	243.2	53.5	51.7	50.9	53.1	54.8
Ternopil	216.3	210.6	201.4	210.9	195.5	52.1	51.5	49.3	51.8	48.1
Kharkiv	604.8	581.0	574.5	595.6	602.9	53.4	53.2	52.7	54.8	55.8
Kherson	225.6	206.1	210.8	207.0	199.7	51.5	49.1	50.5	49.8	48.2
Khmelnitsk	289.3	257.3	242.6	238.5	250.3	56.2	51.7	48.9	48.3	50.9
Cherkasy	289.1	257.1	258.3	252.1	255.6	56.3	52.2	52.8	51.9	52.9
Chernivtsi	190.1	178.4	167.5	171.7	180.8	54.4	51.2	48.0	49.2	51.7
Chernihiv	250.7	222.1	214.8	212.3	213.0	58.5	54.6	53.1	52.8	53.3
Kyiv city	690.8	685.3	680.2	689.4	684.0	59.1	58.5	57.9	58.6	58.1

Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Men										
Ukraine	9,738.2	9,354.4	8,570.8	8,449.5	8,385.2	62.9	61.8	62.2	61.6	61.4
Vinnitsia	350.4	342.1	359.9	346.0	333.8	61.5	61.2	64.6	62.4	60.5
Volyn	219.2	204.4	207.1	199.4	189.9	61.2	56.7	57.4	55.3	52.7
Dnipropetrovsk	782.8	750.3	744.1	720.2	721.0	65.9	65.6	65.4	63.8	64.4
Donetsk	999.4	890.1	402.1	386.1	369.5	63.3	59.0	56.6	54.8	52.8
Zhytomyr	275.1	263.4	256.1	258.9	264.1	61.3	59.9	58.6	59.6	61.0
Zakarpattia	276.8	271.7	275.6	282.2	278.6	61.9	60.5	61.4	62.9	62.2
Zaporizhia	414.2	390.8	388.2	381.2	383.1	64.1	62.8	62.8	62.0	62.8
Ivano-Frankivsk	272.1	307.4	310.2	308.7	305.4	55.6	62.5	63.0	62.7	62.1
Kyiv	390.5	383.4	387.6	381.9	382.9	63.9	63.4	64.2	63.4	63.7
Kirovohrad	214.8	204.4	200.7	193.7	193.9	60.6	60.2	59.5	57.8	58.2
Luhansk	520.7	453.7	154.7	147.2	144.5	62.6	57.0	57.9	57.7	57.0
Lviv	564.7	548.2	559.1	560.4	549.2	61.6	60.1	61.4	61.7	60.5
Mykolaiv	273.8	260.6	263.2	260.8	259.2	64.2	63.1	64.0	63.7	63.7
Odesa	550.9	561.9	554.5	543.5	538.2	63.8	66.1	65.4	64.4	64.0
Poltava	324.9	312.7	304.9	295.4	293.0	61.3	61.1	59.9	58.3	58.2
Rivne	236.2	241.9	245.9	241.1	237.5	58.9	60.1	61.0	59.8	58.8
Sumy	245.2	249.2	242.9	242.3	238.2	58.8	62.0	60.8	61.0	60.3
Ternopil	215.0	205.4	204.8	196.7	203.6	56.6	54.3	54.2	52.2	54.2
Kharkiv	662.5	644.3	656.3	641.0	644.2	65.9	65.3	66.6	65.2	66.0
Kherson	263.2	244.1	235.0	234.0	242.5	67.1	64.4	62.3	62.4	65.0
Khmelnytsk	291.3	264.6	257.9	271.6	265.7	62.3	57.9	56.7	60.0	59.0
Cherkasy	275.8	267.4	265.2	265.4	262.8	60.9	61.0	60.7	61.2	60.9
Chernivtsi	192.3	192.2	199.7	204.4	198.5	60.6	60.1	62.4	63.8	62.0
Chernihiv	229.4	217.4	217.5	212.5	213.1	60.0	59.1	59.6	58.7	59.3
Kyiv city	697.0	682.8	677.6	674.9	672.8	68.8	67.4	66.8	66.5	66.1

Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Urban settlements										
Ukraine	13,072.2	12,780.9	11,309.0	11,178.5	11,109.3	56.6	56.9	57.4	57.0	56.9
Vinnitsia	329.6	335.2	353.6	345.1	333.9	52.6	54.3	57.5	56.4	54.7
Volyn	210.5	224.6	220.4	214.1	208.2	52.2	55.5	54.3	52.9	51.5
Dnipropetrovsk	1,300.1	1,266.1	1,270.3	1,228.1	1,201.9	60.4	61.5	62.0	60.4	59.6
Donetsk	1,795.8	1,603.4	644.6	640.3	623.5	58.1	54.5	50.5	50.4	49.4
Zhytomyr	296.8	302.6	304.4	303.7	305.5	52.3	54.3	54.9	55.1	55.7
Zakarpattia	214.7	210.7	208.2	205.3	201.5	61.8	61.2	60.6	60.0	59.2
Zaporizhia	617.2	604.4	581.9	573.0	570.2	57.1	58.4	56.5	56.0	56.2
Ivano-Frankivsk	224.0	234.7	252.1	255.7	261.0	49.3	51.6	55.3	56.1	57.2
Kyiv	465.6	483.7	487.3	479.9	481.0	57.1	59.6	60.0	59.1	59.4
Kirovohrad	273.4	254.2	259.7	248.8	254.1	56.9	54.9	56.5	54.6	56.2
Luhansk	855.9	756.2	197.9	195.4	189.6	55.3	51.4	48.8	50.4	49.2
Lviv	644.3	660.9	670.1	665.3	666.1	54.7	56.8	57.7	57.5	57.7
Mykolaiv	347.1	337.6	341.2	338.2	338.7	55.5	55.9	56.6	56.4	56.7
Odesa	697.4	688.7	684.4	675.9	670.0	56.6	57.2	57.0	56.7	56.5
Poltava	396.6	385.0	383.2	369.5	373.0	56.4	56.5	56.5	54.7	55.6
Rivne	207.0	219.3	227.6	223.6	214.0	49.0	52.3	54.3	53.7	51.5
Sumy	354.5	322.1	319.6	322.4	324.1	57.7	54.2	53.9	54.7	55.2
Ternopil	181.0	196.5	212.5	220.8	215.5	49.5	54.1	58.6	61.1	59.9
Kharkiv	1,013.9	1,016.8	1,021.6	1,013.6	1,017.9	58.6	60.2	60.5	60.2	60.8
Kherson	259.7	256.2	254.8	253.5	254.5	50.6	52.1	52.1	52.1	52.7
Khmelnytsk	310.7	314.3	311.1	306.4	301.8	55.1	56.3	55.8	55.1	54.6
Cherkasy	298.1	303.4	308.4	309.0	314.6	53.0	55.7	56.8	57.4	58.7
Chernivtsi	105.4	151.2	151.6	144.6	141.1	36.1	50.9	50.8	48.4	47.3
Chernihiv	285.1	285.0	284.7	282.0	290.8	53.5	54.9	55.1	54.9	57.0
Kyiv city	1,387.8	1,368.1	1,357.8	1,364.3	1,356.8	63.6	62.6	62.0	62.3	61.8

Table 5.9. continued

	Employed population aged 15-70, thsd. prs.					Employment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Rural areas										
Ukraine	6,108.0	5,292.4	5,134.2	5,098.4	5,047.1	62.6	55.9	55.1	54.9	54.4
Vinnitsia	364.7	326.4	321.3	313.7	307.0	62.7	58.6	58.0	57.0	55.9
Volyn	223.1	185.9	176.9	168.0	157.8	65.2	54.3	51.6	48.9	45.7
Dnipropetrovsk	241.8	206.7	209.3	197.3	189.0	60.1	53.7	54.7	51.8	49.8
Donetsk	187.9	149.0	111.7	108.1	110.8	60.2	50.7	49.1	48.2	49.6
Zhytomyr	263.5	212.2	202.2	203.9	205.1	70.3	58.9	56.4	57.1	57.6
Zakarpattia	317.1	310.7	311.1	300.2	294.8	55.1	53.6	53.6	51.7	50.7
Zaporizhia	208.5	169.1	163.2	161.9	149.5	67.6	57.6	55.9	55.8	51.7
Ivano-Frankivsk	306.3	313.1	306.2	301.2	298.0	54.7	55.7	54.4	53.6	53.1
Kyiv	292.3	240.6	252.6	256.4	260.1	61.1	52.1	54.7	55.4	55.6
Kirovohrad	157.8	136.9	127.1	126.9	122.7	56.8	52.8	49.5	49.8	48.3
Luhansk	159.5	121.4	108.4	103.1	102.5	69.4	56.2	69.8	69.0	68.8
Lviv	452.4	377.3	371.9	381.7	384.7	63.4	52.9	52.1	53.5	53.8
Mykolaiv	189.6	163.9	167.5	159.9	151.0	67.0	60.4	62.2	60.0	56.9
Odesa	347.1	320.7	331.8	324.7	316.6	59.4	55.8	57.8	56.6	55.2
Poltava	248.2	217.9	200.4	200.9	202.0	58.6	54.3	50.4	50.8	51.3
Rivne	264.2	256.7	260.1	250.6	246.2	64.6	62.3	62.8	60.1	58.6
Sumy	142.5	159.3	150.9	156.1	157.3	52.1	62.2	59.4	61.8	62.5
Ternopil	250.3	219.5	193.7	186.8	183.6	58.3	51.8	45.7	44.2	43.5
Kharkiv	253.4	208.5	209.2	223.0	229.2	62.2	53.7	54.1	57.8	59.6
Kherson	229.1	194.0	191.0	187.5	187.7	72.3	63.2	62.4	61.5	61.7
Khmelnysk	269.9	207.6	189.4	203.7	214.2	64.6	52.4	48.1	52.2	55.0
Cherkasy	266.8	221.1	215.1	208.5	203.8	65.9	57.3	56.1	54.7	53.8
Chernivtsi	277.0	219.4	215.6	231.5	238.2	74.0	59.1	58.1	62.5	64.1
Chernihiv	195.0	154.5	147.6	142.8	135.3	70.2	60.5	58.5	57.0	54.2
Kyiv city	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó

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

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Total										
Ukraine	1,713.9	1,847.6	1,654.7	1,678.2	1,698.0	8.2	9.3	9.1	9.3	9.5
Vinnitsia	76.9	77.6	66.3	71.0	76.5	10.0	10.5	8.9	9.7	10.7
Volyn	40.5	44.9	43.1	49.7	52.1	8.5	9.9	9.8	11.5	12.5
Dnipropetrovsk	117.7	128.9	115.3	121.7	129.2	7.1	8.0	7.2	7.9	8.5
Donetsk	182.9	216.4	121.4	122.9	125.3	8.4	11.0	13.8	14.1	14.6
Zhytomyr	60.8	66.6	64.6	63.7	62.0	9.8	11.5	11.3	11.2	10.8
Zakarpattia	50.4	53.1	52.5	56.3	58.2	8.7	9.2	9.2	10.0	10.5
Zaporizhia	66.9	71.3	80.4	81.4	86.2	7.5	8.4	9.7	10.0	10.7
Ivano-Frankivsk	47.5	48.1	51.2	53.5	51.9	8.2	8.1	8.4	8.8	8.5
Kyiv	59.7	62.6	50.7	53.5	51.9	7.3	8.0	6.4	6.8	6.5
Kirovohrad	42.3	49.2	49.8	53.1	52.6	8.9	11.2	11.4	12.4	12.2
Luhansk	78.7	112.7	56.4	57.0	58.3	7.2	11.4	15.6	16.0	16.6
Lviv	93.3	97.2	92.7	87.9	85.8	7.8	8.6	8.2	7.7	7.5
Mykolaiv	49.4	50.1	49.5	53.3	56.3	8.4	9.1	8.9	9.7	10.3
Odesa	68.0	72.5	70.1	72.5	77.2	6.1	6.7	6.5	6.8	7.3
Poltava	69.2	78.3	80.7	82.6	78.3	9.7	11.5	12.1	12.6	12.0
Rivne	60.8	56.7	53.7	56.3	60.1	11.4	10.6	9.9	10.6	11.6
Sumy	59.2	50.6	52.8	48.8	48.0	10.6	9.5	10.1	9.3	9.1
Ternopil	50.8	53.1	54.1	52.8	53.9	10.5	11.3	11.8	11.5	11.9
Kharkiv	97.9	103.5	93.4	84.6	80.4	7.2	7.8	7.1	6.4	6.1
Kherson	46.1	49.6	50.8	55.9	55.0	8.6	9.9	10.2	11.2	11.1
Khmelnysk	54.9	54.0	56.6	53.0	50.2	8.6	9.4	10.2	9.4	8.9
Cherkasy	62.4	59.8	56.7	59.8	59.2	9.9	10.2	9.8	10.4	10.2
Chernivtsi	35.6	36.8	37.7	35.7	34.8	8.5	9.0	9.3	8.7	8.4
Chernihiv	56.1	55.3	51.6	53.9	53.5	10.5	11.2	10.7	11.3	11.2
Kyiv city	85.9	98.7	102.6	97.3	101.1	5.8	6.7	7.0	6.7	6.9

Table 5.10. continued

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Women										
Ukraine	698.3	709.4	692.2	652.0	652.6	6.9	7.5	8.1	7.7	7.7
Vinnitsia	29.1	30.2	32.3	33.5	37.9	7.8	8.6	9.3	9.7	11.0
Volyn	13.3	18.3	18.0	15.4	24.6	5.8	8.2	8.6	7.8	12.3
Dnipropetrovsk	55.0	48.4	44.9	45.0	47.8	6.8	6.3	5.8	6.0	6.7
Donetsk	86.3	82.8	56.0	46.3	29.3	8.1	8.8	13.7	11.3	7.4
Zhytomyr	19.3	24.5	24.9	29.8	30.5	6.3	8.9	9.0	10.7	11.0
Zakarpattia	16.6	19.0	16.4	21.6	25.5	6.1	7.1	6.3	8.8	10.5
Zaporizhia	26.8	30.8	36.1	33.2	40.6	6.1	7.4	9.2	8.6	10.8
Ivano-Frankivsk	17.9	21.2	22.1	24.0	17.9	6.5	8.1	8.2	8.8	6.6
Kyiv	20.9	28.7	21.9	21.8	18.7	5.4	7.8	5.9	5.8	5.0
Kirovohrad	17.9	24.3	20.0	20.7	20.7	7.6	11.5	9.7	10.2	10.2
Luhansk	40.6	43.9	24.5	22.8	24.0	7.6	9.4	13.9	13.1	14.0
Lviv	38.2	30.7	36.7	33.9	29.2	6.7	5.9	7.1	6.5	5.5
Mykolaiv	18.1	14.4	20.2	20.0	25.5	6.4	5.6	7.6	7.8	10.0
Odesa	23.5	23.0	18.4	17.6	23.4	4.5	4.9	3.8	3.7	5.0
Poltava	27.4	33.5	37.3	32.2	25.6	7.9	10.3	11.8	10.5	8.3
Rivne	24.0	19.8	23.2	13.4	23.0	9.3	7.8	8.8	5.4	9.4
Sumy	23.7	23.0	24.5	23.3	16.8	8.6	9.0	9.7	9.0	6.5
Ternopil	17.3	13.8	20.7	16.0	23.7	7.4	6.1	9.3	7.1	10.8
Kharkiv	40.2	34.2	42.5	35.7	28.2	6.2	5.6	6.9	5.7	4.5
Kherson	24.3	21.9	21.9	17.0	21.5	9.7	9.6	9.4	7.6	9.7
Khmelnysk	19.6	22.2	22.4	22.6	15.9	6.3	7.9	8.5	8.7	6.0
Cherkasy	25.0	21.7	16.3	24.5	26.3	8.0	7.8	5.9	8.9	9.3
Chernivtsi	12.4	7.8	24.6	17.5	15.0	6.1	4.2	12.8	9.2	7.7
Chernihiv	24.1	24.6	16.7	22.9	23.2	8.8	10.0	7.2	9.7	9.8
Kyiv city	36.8	46.7	49.7	41.3	37.8	5.1	6.4	6.8	5.7	5.2

Table 5.10. continued

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Men										
Ukraine	1,015.6	1,138.2	962.5	1,026.2	1,045.4	9.4	10.8	10.1	10.8	11.1
Vinnitsia	47.8	47.4	34.0	37.5	38.6	12.0	12.2	8.6	9.8	10.4
Volyn	27.2	26.6	25.1	34.3	27.5	11.0	11.5	10.8	14.7	12.6
Dnipropetrovsk	62.7	80.5	70.4	76.7	81.4	7.4	9.7	8.6	9.6	10.1
Donetsk	96.6	133.6	65.4	76.6	96.0	8.8	13.1	14.0	16.6	20.6
Zhytomyr	41.5	42.1	39.7	33.9	31.5	13.1	13.8	13.4	11.6	10.7
Zakarpattia	33.8	34.1	36.1	34.7	32.7	10.9	11.2	11.6	10.9	10.5
Zaporizhia	40.1	40.5	44.3	48.2	45.6	8.8	9.4	10.2	11.2	10.6
Ivano-Frankivsk	29.6	26.9	29.1	29.5	34.0	9.8	8.0	8.6	8.7	10.0
Kyiv	38.8	33.9	28.8	31.7	33.2	9.0	8.1	6.9	7.7	8.0
Kirovohrad	24.4	24.9	29.8	32.4	31.9	10.2	10.9	12.9	14.3	14.1
Luhansk	38.1	68.8	31.9	34.2	34.3	6.8	13.2	17.1	18.9	19.2
Lviv	55.1	66.5	56.0	54.0	56.6	8.9	10.8	9.1	8.8	9.3
Mykolaiv	31.3	35.7	29.3	33.3	30.8	10.3	12.0	10.0	11.3	10.6
Odesa	44.5	49.5	51.7	54.9	53.8	7.5	8.1	8.5	9.2	9.1
Poltava	41.8	44.8	43.4	50.4	52.7	11.4	12.5	12.5	14.6	15.2
Rivne	36.8	36.9	30.5	42.9	37.1	13.5	13.2	11.0	15.1	13.5
Sumy	35.5	27.6	28.3	25.5	31.2	12.6	10.0	10.4	9.5	11.6
Ternopil	33.5	39.3	33.4	36.8	30.2	13.5	16.1	14.0	15.8	12.9
Kharkiv	57.7	69.3	50.9	48.9	52.2	8.0	9.7	7.2	7.1	7.5
Kherson	21.8	27.7	28.9	38.9	33.5	7.6	10.2	11.0	14.3	12.1
Khmelnitsk	35.3	31.8	34.2	30.4	34.3	10.8	10.7	11.7	10.1	11.4
Cherkasy	37.4	38.1	40.4	35.3	32.9	11.9	12.5	13.2	11.7	11.1
Chernivtsi	23.2	29.0	13.1	18.2	19.8	10.8	13.1	6.2	8.2	9.1
Chernihiv	32.0	30.7	34.9	31.0	30.3	12.2	12.4	13.8	12.7	12.4
Kyiv city	49.1	52.0	52.9	56.0	63.3	6.6	7.1	7.2	7.7	8.6

Table 5.10. continued

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Urban settlements										
Ukraine	1,238.8	1,289.4	1,121.4	1,127.9	1,142.9	8.7	9.2	9.0	9.2	9.3
Vinnitsia	38.5	44.6	38.5	39.8	46.6	10.5	11.7	9.8	10.3	12.2
Volyn	16.9	18.9	17.0	21.6	25.1	7.4	7.8	7.2	9.2	10.8
Dnipropetrovsk	99.6	108.9	96.8	101.1	107.1	7.1	7.9	7.1	7.6	8.2
Donetsk	163.6	186.9	89.9	92.4	96.9	8.3	10.4	12.2	12.6	13.5
Zhytomyr	37.3	41.6	41.5	35.0	33.6	11.2	12.1	12.0	10.3	9.9
Zakarpattya	23.6	27.2	23.4	22.6	27.3	9.9	11.4	10.1	9.9	11.9
Zaporizhia	56.0	56.0	63.2	63.5	64.3	8.3	8.5	9.8	10.0	10.1
Ivano-Frankivsk	29.4	27.9	28.4	30.0	27.7	11.6	10.6	10.1	10.5	9.6
Kyiv	45.5	40.7	37.2	36.5	35.2	8.9	7.8	7.1	7.1	6.8
Kirovohrad	27.6	33.2	30.3	35.7	36.5	9.2	11.6	10.4	12.5	12.6
Luhansk	69.9	92.4	42.1	44.4	44.7	7.6	10.9	17.5	18.5	19.1
Lviv	69.7	62.3	61.8	58.6	56.7	9.8	8.6	8.4	8.1	7.8
Mykolaiv	38.4	34.5	34.2	36.0	38.8	10.0	9.3	9.1	9.6	10.3
Odesa	49.9	51.1	51.0	47.3	48.1	6.7	6.9	6.9	6.5	6.7
Poltava	44.2	40.0	43.4	48.6	44.4	10.0	9.4	10.2	11.6	10.6
Rivne	35.4	27.2	25.4	26.3	27.2	14.6	11.0	10.0	10.5	11.3
Sumy	45.0	36.2	38.9	35.0	34.8	11.3	10.1	10.9	9.8	9.7
Ternopil	31.5	29.4	30.6	25.5	25.8	14.8	13.0	12.6	10.4	10.7
Kharkiv	73.7	75.3	71.9	68.2	67.3	6.8	6.9	6.6	6.3	6.2
Kherson	35.5	34.0	36.9	40.3	39.8	12.0	11.7	12.6	13.7	13.5
Khmelnysk	21.9	28.1	27.0	23.1	20.7	6.6	8.2	8.0	7.0	6.4
Cherkasy	51.3	42.7	37.6	39.1	34.0	14.7	12.3	10.9	11.2	9.8
Chernivtsi	10.1	15.9	17.6	21.3	21.8	8.7	9.5	10.4	12.8	13.4
Chernihiv	38.4	35.7	34.2	38.7	37.4	11.9	11.1	10.7	12.1	11.4
Kyiv city	85.9	98.7	102.6	97.3	101.1	5.8	6.7	7.0	6.7	6.9

Table 5.10. continued

	Unemployed population aged 15-70, thsd. prs.					Unemployment rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Rural areas										
Ukraine	475.1	558.2	533.3	550.3	555.1	7.2	9.5	9.4	9.7	9.9
Vinnitsia	38.4	33.0	27.8	31.2	29.9	9.5	9.2	8.0	9.0	8.9
Volyn	23.6	26.0	26.1	28.1	27.0	9.6	12.3	12.9	14.3	14.6
Dnipropetrovsk	18.1	20.0	18.5	20.6	22.1	7.0	8.8	8.1	9.5	10.5
Donetsk	19.3	29.5	31.5	30.5	28.4	9.3	16.5	22.0	22.0	20.4
Zhytomyr	23.5	25.0	23.1	28.7	28.4	8.2	10.5	10.3	12.3	12.2
Zakarpattia	26.8	25.9	29.1	33.7	30.9	7.8	7.7	8.6	10.1	9.5
Zaporizhia	10.9	15.3	17.2	17.9	21.9	5.0	8.3	9.5	10.0	12.8
Ivano-Frankivsk	18.1	20.2	22.8	23.5	24.2	5.6	6.1	6.9	7.2	7.5
Kyiv	14.2	21.9	13.5	17.0	16.7	4.6	8.3	5.1	6.2	6.0
Kirovohrad	14.7	16.0	19.5	17.4	16.1	8.5	10.5	13.3	12.1	11.6
Luhansk	8.8	20.3	14.3	12.6	13.6	5.2	14.3	11.7	10.9	11.7
Lviv	23.6	34.9	30.9	29.3	29.1	5.0	8.5	7.7	7.1	7.0
Mykolaiv	11.0	15.6	15.3	17.3	17.5	5.5	8.7	8.4	9.8	10.4
Odesa	18.1	21.4	19.1	25.2	29.1	5.0	6.3	5.4	7.2	8.4
Poltava	25.0	38.3	37.3	34.0	33.9	9.2	14.9	15.7	14.5	14.4
Rivne	25.4	29.5	28.3	30.0	32.9	8.8	10.3	9.8	10.7	11.8
Sumy	14.2	14.4	13.9	13.8	13.2	9.1	8.3	8.4	8.1	7.7
Ternopil	19.3	23.7	23.5	27.3	28.1	7.2	9.7	10.8	12.8	13.3
Kharkiv	24.2	28.2	21.5	16.4	13.1	8.7	11.9	9.3	6.9	5.4
Kherson	10.6	15.6	13.9	15.6	15.2	4.4	7.4	6.8	7.7	7.5
Khmelnysk	33.0	25.9	29.6	29.9	29.5	10.9	11.1	13.5	12.8	12.1
Cherkasy	11.1	17.1	19.1	20.7	25.2	4.0	7.2	8.2	9.0	11.0
Chernivtsi	25.5	20.9	20.1	14.4	13.0	8.4	8.7	8.5	5.9	5.2
Chernihiv	17.7	19.6	17.4	15.2	16.1	8.3	11.3	10.5	9.6	10.6
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	2014	2015	2016	2017	2010	2014	2015	2016	2017
Total										
Ukraine	11,945.0	12,023.0	10,925.5	10,934.1	10,945.0	36.4	37.6	37.6	37.8	38.0
Vinnycia	436.3	435.1	428.5	433.2	441.6	36.1	37.1	36.6	37.2	38.1
Volyn	271.3	291.8	308.1	317.2	331.6	36.4	39.1	41.2	42.3	44.2
Dnipropetrovsk	895.6	843.4	836.5	866.2	876.9	35.1	34.5	34.4	35.9	36.6
Donetsk	1,235.6	1,266.3	627.0	624.1	625.4	36.3	39.1	41.7	41.7	42.1
Zhytomyr	321.2	336.2	342.1	336.2	332.1	34.1	36.6	37.5	37.0	36.7
Zakarpattia	340.0	349.4	352.4	361.1	367.6	36.9	37.8	38.1	39.1	39.9
Zaporizhia	495.9	484.4	495.6	496.3	498.6	35.7	36.4	37.5	37.8	38.2
Ivano-Frankivsk	436.4	420.6	408.9	407.5	406.3	43.0	41.4	40.2	40.0	39.9
Kyiv	475.4	485.8	483.9	485.0	484.7	36.8	38.2	38.0	38.0	37.9
Kirovohrad	284.8	281.9	279.8	281.3	277.2	37.6	39.0	39.1	39.6	39.2
Luhansk	683.2	696.7	198.2	181.6	183.9	38.4	41.3	35.3	33.8	34.4
Lviv	702.1	741.3	741.6	736.6	733.6	37.1	39.5	39.5	39.4	39.2
Mykolaiv	322.5	323.8	313.5	315.4	316.1	35.5	37.0	36.0	36.4	36.7
Odesa	703.7	697.0	687.5	692.1	696.4	38.7	39.2	38.8	39.2	39.6
Poltava	411.9	401.1	411.7	417.4	411.2	36.6	37.1	38.3	39.0	38.6
Rivne	299.5	298.8	291.6	303.0	315.4	36.0	35.9	35.0	36.4	37.7
Sumy	331.4	319.1	323.4	314.8	309.8	37.3	37.5	38.2	37.4	36.9
Ternopil	313.0	318.0	326.4	323.9	328.9	39.4	40.4	41.5	41.3	42.1
Kharkiv	771.6	749.6	752.3	748.8	730.7	36.1	36.1	36.2	36.2	35.5
Kherson	295.4	299.1	298.4	293.9	290.2	35.6	37.4	37.5	37.2	36.9
Khmelnysk	346.5	379.0	394.3	383.0	376.4	35.3	39.7	41.4	40.5	39.9
Cherkasy	339.6	346.6	346.1	342.8	336.9	35.1	37.2	37.4	37.3	36.8
Chernivtsi	248.5	260.9	264.3	257.8	255.9	37.3	39.0	39.5	38.5	38.2
Chernihiv	274.2	279.4	285.1	285.7	279.9	33.8	36.1	37.1	37.4	36.9
Kyiv city	709.4	717.7	728.3	729.2	737.7	32.5	32.9	33.3	33.3	33.6

Table 5.11. continued

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Women										
Ukraine	7,211.2	7,370.3	6,674.7	6,692.7	6,708.0	41.6	43.9	43.8	44.1	44.3
Vinnycytsia	265.0	265.9	265.3	262.4	261.9	41.5	43.2	43.3	43.1	43.2
Volyn	159.8	162.6	179.8	190.5	188.6	41.2	42.0	46.3	49.0	48.4
Dnipropetrovsk	553.3	530.5	514.1	535.1	559.2	40.5	40.8	39.7	41.6	43.8
Donetsk	753.6	781.6	384.6	381.6	390.5	41.3	45.3	48.4	48.3	49.8
Zhytomyr	188.8	202.0	200.5	194.5	194.9	38.3	42.3	42.1	41.1	41.3
Zakarpattia	203.6	206.3	215.3	229.7	231.2	42.8	43.4	45.3	48.4	48.7
Zaporizhia	304.4	293.2	309.6	311.2	316.9	41.0	41.5	44.1	44.6	45.7
Ivano-Frankivsk	249.1	263.1	255.6	253.4	253.8	47.4	50.1	48.6	48.2	48.3
Kyiv	293.8	298.7	296.4	296.3	299.5	43.1	44.7	44.2	44.1	44.3
Kirovohrad	169.3	171.5	172.9	172.5	169.7	41.9	44.8	45.6	46.0	45.5
Luhansk	409.6	422.6	117.6	107.9	109.2	43.3	47.5	40.0	38.3	38.9
Lviv	405.3	444.4	445.9	442.3	431.5	41.5	46.0	46.2	45.9	44.8
Mykolaiv	201.1	207.2	194.7	200.2	199.0	41.7	44.8	42.3	43.8	43.7
Odesa	435.2	458.3	445.9	447.0	447.7	45.7	49.3	48.2	48.5	48.7
Poltava	248.7	246.4	250.6	256.4	253.1	41.7	43.2	44.2	45.5	45.1
Rivne	171.4	175.4	165.1	183.7	186.1	39.8	40.9	38.4	42.7	43.1
Sumy	195.1	194.1	195.0	185.5	183.9	41.5	43.2	43.6	41.7	41.4
Ternopil	181.5	184.5	186.4	180.3	186.9	43.7	45.1	45.6	44.3	46.0
Kharkiv	486.9	476.8	473.6	456.0	450.3	43.0	43.7	43.4	41.9	41.6
Kherson	188.3	191.6	185.1	191.7	193.1	43.0	45.7	44.3	46.1	46.6
Khmelnitsk	205.7	218.6	231.2	232.4	225.7	40.0	43.9	46.6	47.1	45.9
Cherkasy	199.8	213.5	214.9	209.5	201.3	38.9	43.4	43.9	43.1	41.7
Chernivtsi	146.7	162.4	157.0	160.1	153.8	42.0	46.6	45.0	45.8	44.0
Chernihiv	153.4	159.9	172.8	166.9	163.8	35.8	39.3	42.7	41.5	41.0
Kyiv city	441.8	439.2	444.8	445.6	456.4	37.8	37.5	37.9	37.9	38.7

Table 5.11. continued

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Men										
Ukraine	4,733.8	4,652.7	4,250.8	4,241.4	4,237.0	30.6	30.7	30.8	30.9	31.0
Vinnitsia	171.3	169.2	163.2	170.8	179.7	30.1	30.3	29.3	30.8	32.5
Volyn	111.5	129.2	128.3	126.7	143.0	31.2	35.9	35.6	35.2	39.7
Dnipropetrovsk	342.3	312.9	322.4	331.1	317.7	28.8	27.4	28.4	29.4	28.4
Donetsk	482.0	484.7	242.4	242.5	234.9	30.5	32.1	34.1	34.4	33.5
Zhytomyr	132.4	134.2	141.6	141.7	137.2	29.5	30.5	32.4	32.6	31.7
Zakarpattia	136.4	143.1	137.1	131.4	136.4	30.5	31.9	30.5	29.3	30.5
Zaporizhia	191.5	191.2	186.0	185.1	181.7	29.7	30.7	30.1	30.1	29.8
Ivano-Frankivsk	187.3	157.5	153.3	154.1	152.5	38.3	32.0	31.1	31.3	31.0
Kyiv	181.6	187.1	187.5	188.7	185.2	29.7	31.0	31.0	31.3	30.8
Kirovohrad	115.5	110.4	106.9	108.8	107.5	32.6	32.5	31.7	32.5	32.3
Luhansk	273.6	274.1	80.6	73.7	74.7	32.9	34.4	30.2	28.9	29.5
Lviv	296.8	296.9	295.7	294.3	302.1	32.4	32.6	32.5	32.4	33.3
Mykolaiv	121.4	116.6	118.8	115.2	117.1	28.5	28.2	28.9	28.1	28.8
Odesa	268.5	238.7	241.6	245.1	248.7	31.1	28.1	28.5	29.1	29.6
Poltava	163.2	154.7	161.1	161.0	158.1	30.8	30.2	31.6	31.8	31.4
Rivne	128.1	123.4	126.5	119.3	129.3	31.9	30.7	31.4	29.6	32.0
Sumy	136.3	125.0	128.4	129.3	125.9	32.7	31.1	32.1	32.6	31.8
Ternopil	131.5	133.5	140.0	143.6	142.0	34.6	35.3	37.0	38.1	37.8
Kharkiv	284.7	272.8	278.7	292.8	280.4	28.3	27.7	28.3	29.8	28.7
Kherson	107.1	107.5	113.3	102.2	97.1	27.3	28.3	30.0	27.2	26.0
Khmelnysk	140.8	160.4	163.1	150.6	150.7	30.1	35.1	35.8	33.3	33.4
Cherkasy	139.8	133.1	131.2	133.3	135.6	30.9	30.3	30.0	30.7	31.4
Chernivtsi	101.8	98.5	107.3	97.7	102.1	32.1	30.8	33.5	30.5	31.9
Chernihiv	120.8	119.5	112.3	118.8	116.1	31.6	32.5	30.8	32.8	32.3
Kyiv city	267.6	278.5	283.5	283.6	281.3	26.4	27.5	28.0	28.0	27.6

Table 5.11. continued

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Urban settlements										
Ukraine	8,769.9	8,407.1	7,277.8	7,300.4	7,270.9	38.0	37.4	36.9	37.2	37.2
Vinnitsia	258.0	237.5	223.3	227.5	229.7	41.2	38.5	36.3	37.1	37.6
Volyn	175.7	161.5	168.2	169.4	171.0	43.6	39.9	41.5	41.8	42.3
Dnipropetrovsk	753.1	685.3	681.6	703.4	708.2	35.0	33.3	33.3	34.6	35.1
Donetsk	1,130.9	1150.7	542.7	538.2	541.2	36.6	39.1	42.5	42.3	42.9
Zhytomyr	233.2	213.3	209.0	212.0	209.5	41.1	38.3	37.7	38.5	38.2
Zakarpattia	108.9	106.3	111.8	114.3	111.8	31.4	30.9	32.6	33.4	32.8
Zaporizhia	406.8	375.4	384.3	386.0	380.7	37.7	36.2	37.3	37.8	37.5
Ivano-Frankivsk	201.2	192.1	175.0	170.0	167.2	44.3	42.2	38.4	37.3	36.7
Kyiv	303.6	286.8	288.0	295.2	293.9	37.3	35.4	35.4	36.4	36.3
Kirovohrad	179.4	175.3	169.5	170.9	161.9	37.3	37.9	36.9	37.5	35.8
Luhansk	621.8	622.5	165.6	147.8	151.1	40.2	42.3	40.8	38.1	39.2
Lviv	464.0	440.0	430.3	433.6	432.3	39.4	37.8	37.0	37.5	37.4
Mykolaiv	240.1	232.0	227.2	225.9	219.4	38.4	38.4	37.7	37.6	36.8
Odesa	484.2	464.5	464.5	468.1	468.7	39.3	38.6	38.7	39.3	39.5
Poltava	261.8	256.3	251.5	256.8	253.4	37.3	37.6	37.1	38.1	37.8
Rivne	180.0	173.1	165.8	166.6	174.2	42.6	41.3	39.6	40.0	41.9
Sumy	214.5	236.5	234.3	232.3	228.5	34.9	39.8	39.5	39.4	38.9
Ternopil	153.3	137.1	119.8	115.1	118.7	41.9	37.8	33.0	31.8	33.0
Kharkiv	641.9	598.2	596.2	602.7	588.2	37.1	35.4	35.3	35.8	35.1
Kherson	218.2	201.6	197.4	192.3	189.0	42.5	41.0	40.4	39.6	39.1
Khmelnysk	231.4	216.3	219.8	226.2	230.4	41.0	38.7	39.4	40.7	41.7
Cherkasy	212.7	198.9	197.0	190.6	187.0	37.8	36.5	36.3	35.4	34.9
Chernivtsi	176.6	130.0	129.0	133.1	135.4	60.5	43.8	43.3	44.5	45.4
Chernihiv	209.2	198.2	197.7	193.2	181.8	39.3	38.2	38.3	37.6	35.6
Kyiv city	709.4	717.7	728.3	729.2	737.7	32.5	32.9	33.3	33.3	33.6

Table 5.11. continued

	Economically inactive population aged 15-70, thsd. prs.					Economic inactivity rate, percent				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Rural areas										
Ukraine	3,175.1	3,615.9	3,647.7	3,633.7	3,674.1	32.5	38.2	39.2	39.1	39.6
Vinnysia	178.3	197.6	205.2	205.7	211.9	30.7	35.5	37.0	37.4	38.6
Volyn	95.6	130.3	139.9	147.8	160.6	27.9	38.1	40.8	43.0	46.5
Dnipropetrovsk	142.5	158.1	154.9	162.8	168.7	35.4	41.1	40.5	42.8	44.4
Donetsk	104.7	115.6	84.3	85.9	84.2	33.6	39.3	37.1	38.3	37.7
Zhytomyr	88.0	122.9	133.1	124.2	122.6	23.5	34.1	37.1	34.8	34.4
Zakarpatya	231.1	243.1	240.6	246.8	255.8	40.2	41.9	41.4	42.5	44.0
Zaporizhia	89.1	109.0	111.3	110.3	117.9	28.9	37.2	38.2	38.0	40.8
Ivano-Frankivsk	235.2	228.5	233.9	237.5	239.1	42.0	40.7	41.6	42.2	42.6
Kyiv	171.8	199.0	195.9	189.8	190.8	35.9	43.1	42.4	41.0	40.8
Kirovohrad	105.4	106.6	110.3	110.4	115.3	37.9	41.1	42.9	43.3	45.4
Luhansk	61.4	74.2	32.6	33.8	32.8	26.7	34.4	21.0	22.6	22.0
Lviv	238.1	301.3	311.3	303.0	301.3	33.3	42.2	43.6	42.4	42.1
Mykolaiv	82.4	91.8	86.3	89.5	96.7	29.1	33.8	32.1	33.6	36.5
Odesa	219.5	232.5	223.0	224.0	227.7	37.5	40.5	38.9	39.0	39.7
Poltava	150.1	144.8	160.2	160.6	157.8	35.5	36.1	40.3	40.6	40.1
Rivne	119.5	125.7	125.8	136.4	141.2	29.2	30.5	30.4	32.7	33.6
Sumy	116.9	82.6	89.1	82.5	81.3	42.7	32.2	35.1	32.7	32.3
Ternopil	159.7	180.9	206.6	208.8	210.2	37.2	42.7	48.7	49.4	49.8
Kharkiv	129.7	151.4	156.1	146.1	142.5	31.8	39.0	40.4	37.9	37.0
Kherson	77.2	97.5	101.0	101.6	101.2	24.4	31.7	33.0	33.3	33.3
Khmelnysk	115.1	162.7	174.5	156.8	146.0	27.5	41.1	44.3	40.2	37.5
Cherkasy	126.9	147.7	149.1	152.2	149.9	31.3	38.3	38.9	39.9	39.6
Chernivtsi	71.9	130.9	135.3	124.7	120.5	19.2	35.3	36.5	33.6	32.4
Chernihiv	65.0	81.2	87.4	92.5	98.1	23.4	31.8	34.6	36.9	39.3
Kyiv city	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó

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								
		by level of education							by level of education								
		Total	complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	Total	complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
Total																	
	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
	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
	2017	17,854.4	5,784.4	199.0	3,466.9	4,697.2	3,358.8	334.4	13.7	62.0	76.4	53.0	67.3	69.3	47.4	20.3	7.1
Woman																	
	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
	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
	2017	8,423.8	3,017.0	98.8	1,998.0	1,633.6	1,528.0	144.4	4.0	55.7	71.2	48.2	62.3	60.2	40.1	16.7	4.4
Men																	
	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
	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	69.1	83.8	59.0	74.9	76.5	55.6	24.2	7.5
	2017	9,430.6	2,767.4	100.2	1,468.9	3,063.6	1,830.8	190.0	9.7	69.0	83.1	58.8	75.5	75.5	55.8	24.3	9.4
Urban settlements																	
	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
	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
	2017	12,252.2	4,940.0	146.4	2,525.5	2,921.1	1,593.3	121.1	4.8	62.8	76.4	51.2	66.3	68.9	41.8	15.1	4.7
Rural areas																	
	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
	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
	2017	5,602.2	844.4	52.6	941.4	1,776.1	1,765.5	213.3	8.9	60.4	76.7	58.6	70.0	70.1	54.0	25.2	9.8

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								
		by level of education							by level of education								
		Total	complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated	Total	complete higher	basic higher	uncompleted higher	vocational	complete secondary	basic secondary	primary education or not educated
Total																	
	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
	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
	2017	17,639.3	5,717.4	198.7	3,423.1	4,659.7	3,310.5	316.8	13.1	66.7	80.5	53.6	72.7	74.2	51.9	22.1	7.4
Woman																	
	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
	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
	2017	8,304.8	2,982.4	98.6	1,968.5	1,618.9	1,499.5	133.3	3.6	60.7	75.1	48.9	68.0	65.0	44.9	18.7	4.6
Men																	
	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
	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
	2017	9,334.5	2,735.0	100.1	1,454.6	3,040.8	1,811.0	183.5	9.5	73.1	87.5	59.2	80.0	80.3	59.6	25.3	9.6
Urban settlements																	
	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
	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
	2017	12,125.3	4,886.1	146.1	2,493.6	2,900.9	1,575.5	118.4	4.7	67.8	80.6	51.8	72.2	74.5	46.5	16.6	5.0
Rural areas																	
	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
	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
	2017	5,514.0	831.3	52.6	929.5	1,758.8	1,735.0	198.4	8.4	64.5	80.1	59.5	74.1	73.8	58.1	27.4	10.2

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
Total																	
	2010	19,180.2	5,017.1	194.0	3,964.5	í	8,513.8	1,395.2	95.6	58.4	73.8	47.2	66.5	í	56.0	36.0	16.4
	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
	2017	16,156.4	5,332.6	171.8	3,155.0	4,173.5	3,016.8	296.3	10.4	56.1	70.5	45.7	61.2	61.6	42.6	18.0	5.4
Woman																	
	2010	9,442.0	2,698.6	108.8	2,395.0	í	3,545.3	642.0	52.3	54.4	71.0	45.2	63.9	í	49.0	32.1	16.0
	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
	2017	7,771.2	2,822.7	92.8	1,852.8	1,470.5	1,400.4	128.0	4.0	51.4	66.6	45.2	57.8	54.1	36.8	14.8	4.4
Men																	
	2010	9,738.2	2,318.5	85.2	1,569.5	í	4,968.5	753.2	43.3	62.9	77.3	50.2	70.9	í	62.3	40.2	16.9
	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
	2017	8,385.2	2,509.9	79.0	1,302.2	2,703.0	1,616.4	168.3	6.4	61.4	75.4	46.3	66.9	66.6	49.3	21.6	6.2
Urban settlements																	
	2010	13,072.2	4,355.1	124.3	3,049.6	í	5,051.9	471.9	19.4	56.6	73.1	41.0	64.4	í	51.1	24.7	6.8
	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
	2017	11,109.3	4,553.3	125.1	2,287.4	2,611.6	1,421.1	107.1	3.7	56.9	70.4	43.8	60.1	61.6	37.3	13.4	3.6
Rural areas																	
	2010	6,108.0	662.0	69.7	914.9	í	3,461.9	923.3	76.2	62.6	78.4	65.0	74.7	í	65.1	47.0	25.4
	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
	2017	5,047.1	779.3	46.7	867.6	1,561.9	1,595.7	189.2	6.7	54.4	70.8	52.0	64.5	61.7	48.8	22.4	7.4

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
Total																	
	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
	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
	2017	15,941.9	5,265.6	171.5	3,111.2	4,136.6	2,968.5	278.7	9.8	60.3	74.2	46.3	66.0	65.9	46.5	19.4	5.5
Woman																	
	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
	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
	2017	7,652.2	2,788.1	92.6	1,823.3	1,455.8	1,371.9	116.9	3.6	55.9	70.2	45.9	63.0	58.4	41.1	16.4	4.6
Men																	
	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
	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
	2017	8,289.7	2,477.5	78.9	1,287.9	2,680.8	1,596.6	161.8	6.2	65.0	79.3	46.7	70.9	70.8	52.5	22.3	6.3
Urban settlements																	
	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
	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
	2017	10,983.0	4,499.4	124.8	2,255.5	2,592.0	1,403.3	104.4	3.6	61.4	74.2	44.2	65.3	66.5	41.4	14.7	3.8
Rural areas																	
	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
	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
	2017	4,958.9	766.2	46.7	855.7	1,544.6	1,565.2	174.3	6.2	58.0	73.8	52.8	68.2	64.8	52.4	24.1	7.5

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	
Total																	
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	:	
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	:	
2017	1,698.0	451.8	27.2	311.9	523.7	342.0	38.1	:	9.5	7.8	13.7	9.0	11.1	10.2	11.4	:	
Woman																	
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	:	
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	:	
2017	652.6	194.3	6.0	145.2	163.1	127.6	16.4	:	7.7	6.4	6.1	7.3	10.0	8.4	11.4	:	
Men																	
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	:	
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	:	
2017	1,045.4	257.5	21.2	166.7	360.6	214.4	21.7	:	11.1	9.3	21.2	11.3	11.8	11.7	11.4	:	
Urban settlements																	
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	:	
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	:	
2017	1,142.9	386.7	21.3	238.1	309.5	172.2	14.0	:	9.3	7.8	14.5	9.4	10.6	10.8	11.6	:	
Rural areas																	
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	:	
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	:	
2017	555.1	65.1	5.9	73.8	214.2	169.8	24.1	:	9.9	7.7	11.2	7.8	12.1	9.6	11.3	:	

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			
Total																			
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	:			
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	:			
2017	1,697.4	451.8	27.2	311.9	523.1	342.0	38.1	:	9.6	7.9	13.7	9.1	11.2	10.3	12.0	:			
Woman																			
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	:			
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	:			
2017	652.6	194.3	6.0	145.2	163.1	127.6	16.4	:	7.9	6.5	6.1	7.4	10.1	8.5	12.3	:			
Men																			
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	:			
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	:			
2017	1,044.8	257.5	21.2	166.7	360.0	214.4	21.7	:	11.2	9.4	21.2	11.5	11.8	11.8	11.8	:			
Urban settlements																			
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	:			
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	:			
2017	1,142.3	386.7	21.3	238.1	308.9	172.2	14.0	:	9.4	7.9	14.6	9.5	10.6	10.9	11.8	:			
Rural areas																			
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	:			
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	:			
2017	555.1	65.1	5.9	73.8	214.2	169.8	24.1	:	10.1	7.8	11.2	7.9	12.2	9.8	12.1	:			

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
Total																
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
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
2017	10,945.0	1,784.8	176.6	1,687.0	2,078.2	3,727.8	1,310.4	180.2	38.0	23.6	47.0	32.7	30.7	52.6	79.7	92.9
Woman																
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
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
2017	6,708.0	1,223.3	106.3	1,209.8	1,082.1	2,280.5	719.6	86.4	44.3	28.8	51.8	37.7	39.8	59.9	83.3	95.6
Men																
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
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
2017	4,237.0	561.5	70.3	477.2	996.1	1,447.3	590.8	93.8	31.0	16.9	41.2	24.5	24.5	44.2	75.7	90.6
Urban settlements																
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
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
2017	7,270.9	1,528.5	139.4	1,283.5	1,321.1	2,221.5	678.9	98.0	37.2	23.6	48.8	33.7	31.1	58.2	84.9	95.3
Rural areas																
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
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
2017	3,674.1	256.3	37.2	403.5	757.1	1,506.3	631.5	82.2	39.6	23.3	41.4	30.0	29.9	46.0	74.8	90.2

5.19. Employed population, by type of economic activity

(thsd. prs.)

	2014		2015		2016		2017	
	Total	including employees of enterprises, establishments and organizations	Total	including employees of enterprises, establishments and organizations	Total	including employees of enterprises, establishments and organizations	Total	including employees of enterprises, establishments and organizations
Employed total¹	18,073.3	10,565.2	16,443.2	9,501.1	16,276.9	9,330.2	16,156.4	9,112.6
Agriculture, forestry and fishing	3,091.4	607.5	2,870.6	568.5	2,866.5	562.3	2,860.7	554.5
Industry	2,898.2	2,501.4	2,573.9	2,171.6	2,494.8	2,097.0	2,440.6	2,020.6
Construction	746.4	305.5	642.1	248.1	644.5	245.9	644.3	235.5
Wholesale and retail trade; repair of vehicles and motorcycles	3,965.7	1,027.9	3,510.7	887.0	3,516.2	903.6	3,525.8	893.1
Transportation and storage, postal and courier activities	1,113.4	785.2	998.0	704.5	997.2	706.5	991.6	698.1
Accommodation and food service activities	309.1	107.9	277.3	94.3	276.7	96.8	276.3	90.1
Information and communication	284.8	196.9	272.9	170.4	275.2	165.9	274.1	157.7
Financial and insurance activities	286.8	276.8	243.6	223.2	225.6	205.5	215.9	195.3
Real estate activities	286.1	174.2	268.3	156.2	255.5	147.0	252.3	146.8
Professional, scientific and technical activities	456.0	364.5	422.9	317.8	428.1	313.0	415.8	291.7
Administrative and support service activities	334.3	284.8	298.6	248.8	304.3	253.3	297.9	244.8
Public administration and defence, compulsory social security	959.5 ²	959.5 ²	974.5 ²	974.5 ²	973.1	973.1	979.7	979.7
Education	1,587.7	1,569.2	1,496.5	1,478.3	1,441.4	1,421.4	1,423.4	1,400.6
Human health care and social work activities	1,150.5	1,125.4	1,040.7	1,007.9	1,030.4	997.3	1,013.6	975.4
Arts, entertainment and recreation	221.2	189.0	207.9	174.2	201.6	167.2	199.8	161.0
Other types of economic activity	382.2	89.5	344.7	75.8	345.8	74.4	344.6	67.7

¹ 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.

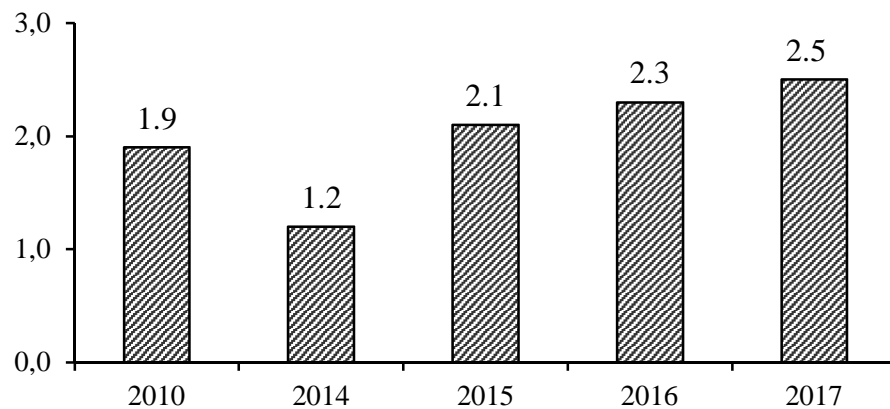
² Including a number of temporary employees, who were involved in the preparation and holding of elections: in 2014 - of the President of Ukraine and to the Verkhovna Rada of Ukraine. in 2015 - elections deputies of local councils and village, town and city heads.

5.20. Unemployed population, by duration of job searching

	Unemployed population aged 15-70, total, thsd. prs.	Of them, searching for job, tried to establish own business		by duration of job searching						Average duration of job searching, months
				up 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
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
2017	1,698.0	1,662.5	97.9	12.0	26.1	19.3	9.5	6.4	26.7	7

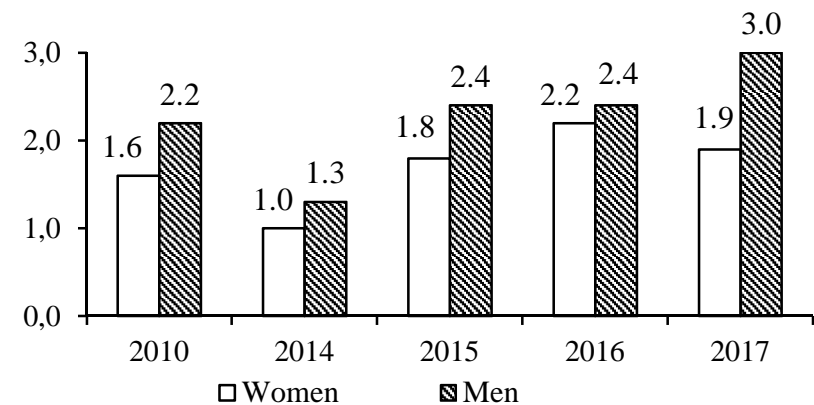
5.21. Long-term unemployment rate of population aged 15-70 in 2010-2017

in % to economic active population of relevant age



5.22. Long-term unemployment rate of population aged 15-70, by sex in 2010-2017

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	
Total														
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	
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	
2017	10,945.0	5,865.9	2,262.9	2,309.4	119.5	84.9	93.2	15.7	57.3	16.9	12.5	4.0	102.8	
Woman														
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	
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	
2017	6,708.0	3,495.8	1,095.3	1,909.3	44.0	40.3	51.1	6.2	28.6	4.2	2.5	2.3	28.4	
Men														
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	
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	
2017	4,237.0	2,370.1	1,167.6	400.1	75.5	44.6	42.1	9.5	28.7	12.7	10.0	1.7	74.4	
Urban settlements														
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	
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	
2017	7,270.9	4,010.7	1,585.4	1,391.6	78.6	41.8	70.2	5.1	19.0	7.8	5.8	3.0	51.9	
Rural areas														
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	
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	
2017	3,674.1	1,855.2	677.5	917.8	40.9	43.1	23.0	10.6	38.3	9.1	6.7	1.0	50.9	

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	2014	2015	2016	2017
Total					
Ukraine	58.4	56.6	56.7	56.3	56.1
EU (28 countries)	51.9	51.7	52.2	52.8	53.5
Austria	57.5	57.3	57.2	57.5	57.9
Belgium	49.6	48.9	48.8	49.0	50.0
Bulgaria	47.9	48.0	49.1	49.3	51.9
Greece	46.7	38.1	39.0	39.9	40.9
Denmark	59.6	58.1	58.4	59.6	58.7
Estonia	50.4	56.6	58.3	58.6	60.0
Ireland	53.5	54.4	55.7	57.0	57.8
Spain	47.8	44.5	45.9	47.0	48.1
Italy	44.2	42.8	43.1	43.7	44.2
Cyprus	60.2	53.5	53.0	53.3	54.8
Latvia	47.4	52.8	54.1	54.6	55.5
Lithuania	46.7	52.6	53.8	55.6	56.3
Luxembourg	55.2	56.6	56.0	55.2	56.0
Malta	47.3	50.9	51.5	52.5	53.7
Netherlands	62.2	59.6	60.0	60.2	60.9
Germany	55.2	57.4	57.4	58.5	58.9
Poland	50.0	51.2	51.9	52.8	53.7
Portugal	54.6	50.7	51.3	52.0	53.7
Romania	51.1	51.1	50.8	50.6	52.2
Slovakia	50.5	51.5	52.8	54.2	55.1
Slovenia	54.9	52.1	52.2	52.1	54.6
United Kingdom	57.5	58.8	59.4	59.9	60.2
Hungary	44.7	49.5	51.0	52.8	53.9
Finland	54.9	53.8	53.4	53.4	53.8
France	51.5	50.3	50.3	50.3	50.5
Croatia	46.5	43.3	44.2	44.6	45.8
Czech Republic	54.2	55.7	56.4	57.6	58.5
Sweden	57.8	59.6	60.0	60.4	61.2

Table 6.1. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	54.4	51.9	51.7	51.6	51.4	62.9	61.8	62.2	61.6	61.4
EU (28 countries)	45.6	46.0	46.4	47.1	47.7	58.6	57.8	58.3	59.0	59.6
Austria	51.6	52.3	52.4	52.8	53.1	63.8	62.6	62.4	62.5	62.9
Belgium	43.6	44.3	44.3	44.2	45.3	55.9	53.9	53.5	54.0	55.0
Bulgaria	43.2	43.6	44.5	44.3	46.6	53.0	52.7	54.1	54.6	57.8
Greece	36.9	30.8	31.8	32.4	33.1	57.2	45.9	46.8	47.9	49.3
Denmark	55.9	54.1	54.1	55.5	54.8	63.3	62.2	62.8	63.9	62.7
Estonia	47.3	50.9	52.5	52.9	54.0	54.0	63.5	65.1	65.3	67.0
Ireland	48.9	49.0	50.0	51.4	52.2	58.2	60.1	61.7	62.8	63.7
Spain	41.6	39.6	40.6	41.7	42.6	54.2	49.7	51.4	52.6	53.9
Italy	34.5	34.6	34.7	35.3	35.9	54.7	51.7	52.2	52.8	53.2
Cyprus	54.1	49.8	49.2	48.9	50.4	67.0	57.6	57.2	58.2	59.6
Latvia	45.1	48.2	49.4	50.4	50.9	50.2	58.6	59.9	59.8	61.2
Lithuania	44.9	48.9	50.0	51.9	52.7	48.9	57.1	58.3	60.0	60.8
Luxembourg	47.2	50.4	50.6	50.0	51.9	63.3	62.8	61.4	60.4	60.1
Malta	32.3	39.0	39.9	40.9	42.4	62.5	62.8	63.2	64.2	65.0
Netherlands	56.3	53.9	54.5	54.9	55.7	68.3	65.5	65.6	65.8	66.3
Germany	49.6	52.2	52.4	53.6	54.0	61.2	62.8	62.6	63.6	63.9
Poland	42.8	43.8	44.7	45.3	46.1	57.8	59.2	59.8	60.9	62.0
Portugal	49.2	46.1	46.9	47.5	49.0	60.7	55.8	56.3	57.1	59.1
Romania	43.3	43.3	42.6	42.2	44.0	59.4	59.5	59.6	59.4	61.0
Slovakia	43.4	44.1	45.3	46.9	48.2	58.2	59.5	60.9	62.1	62.4
Slovenia	49.5	46.7	46.7	47.5	49.8	60.4	57.7	57.8	56.7	59.5
United Kingdom	52.2	53.7	54.3	54.8	55.3	63.1	64.2	64.8	65.2	65.2
Hungary	39.1	42.8	44.0	45.6	46.2	51.1	57.2	58.9	61.0	62.7
Finland	51.7	51.1	50.7	50.3	50.6	58.3	56.8	56.3	56.8	57.2
France	46.8	46.5	46.5	46.5	46.6	56.6	54.6	54.3	54.4	54.8
Croatia	40.5	37.9	39.0	39.2	40.1	53.1	49.2	49.9	50.5	52.0
Czech Republic	45.1	47.1	48.1	49.4	50.4	63.7	64.7	65.1	66.1	66.9
Sweden	53.9	56.2	56.8	57.5	58.1	61.8	63.0	63.2	63.4	64.4

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	2014	2015	2016	2017
Total					
Ukraine	61.4	59.6	60.2	60.1	60.3
EU (28 countries)	64.1	64.9	65.7	66.7	67.7
Austria	70.8	71.1	71.1	71.5	72.2
Belgium	62.0	61.9	61.8	62.3	63.1
Bulgaria	59.8	61.0	62.9	63.4	66.9
Greece	59.1	49.4	50.8	52.0	53.5
Denmark	73.3	72.8	73.5	74.9	74.2
Estonia	61.2	69.6	71.9	72.1	74.1
Ireland	61.0	63.1	64.7	66.5	67.7
Spain	58.8	56.0	57.8	59.5	61.1
Italy	56.8	55.7	56.3	57.2	58.0
Cyprus	68.9	62.1	62.7	63.7	65.4
Latvia	58.5	66.3	68.1	68.7	70.1
Lithuania	57.6	65.7	67.2	69.4	70.4
Luxembourg	65.2	66.6	66.1	65.6	66.3
Malta	56.2	62.4	63.9	65.8	67.6
Netherlands	74.7	73.1	74.1	74.8	75.8
Germany	71.3	73.8	74.0	74.7	75.2
Poland	58.9	61.7	62.9	64.5	66.1
Portugal	65.3	62.6	63.9	65.2	67.8
Romania	60.2	61.0	61.4	61.6	63.9
Slovakia	58.8	61.0	62.7	64.9	66.2
Slovenia	66.2	63.9	65.2	65.8	69.3
United Kingdom	69.4	71.9	72.7	73.5	74.1
Hungary	54.9	61.8	63.9	66.5	68.2
Finland	68.1	68.7	68.5	69.1	70.0
France	64.0	63.8	63.8	64.2	64.7
Croatia	57.4	54.6	56.0	56.9	58.9
Czech Republic	65.0	69.0	70.2	72.0	73.6
Sweden	72.1	74.9	75.5	76.2	76.9

Table 6.2. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	57.8	55.2	55.5	55.7	55.9	65.3	64.4	65.2	64.9	65.0
EU (28 countries)	58.2	59.6	60.4	61.4	62.5	70.1	70.1	70.9	71.9	73.0
Austria	65.7	66.9	67.1	67.7	68.2	76.0	75.2	75.1	75.4	76.2
Belgium	56.5	57.9	58.0	58.1	58.7	67.4	65.8	65.5	66.5	67.5
Bulgaria	56.2	58.2	59.8	60.0	63.1	63.3	63.9	65.9	66.7	70.6
Greece	48.0	41.1	42.5	43.3	44.4	70.3	58.0	59.3	61.0	62.7
Denmark	71.1	69.8	70.4	72.0	71.5	75.6	75.8	76.6	77.7	76.9
Estonia	60.8	66.3	68.5	68.6	70.9	61.7	73.0	75.3	75.7	77.4
Ireland	57.1	58.0	59.3	61.2	62.4	64.9	68.3	70.2	71.8	73.0
Spain	52.8	51.2	52.7	54.3	55.7	64.8	60.7	62.9	64.8	66.5
Italy	46.1	46.8	47.2	48.1	48.9	67.5	64.7	65.5	66.5	67.1
Cyprus	63.0	58.6	59.0	59.3	61.3	75.3	66.0	66.7	68.6	69.8
Latvia	59.0	64.3	66.4	67.6	68.4	57.9	68.4	69.9	70.0	71.9
Lithuania	58.5	64.9	66.5	68.8	70.2	56.5	66.5	68.0	70.0	70.6
Luxembourg	57.2	60.5	60.8	60.4	62.5	73.1	72.6	71.3	70.5	69.9
Malta	39.5	49.5	51.0	52.7	55.0	72.5	74.9	76.2	78.3	79.6
Netherlands	69.3	68.1	69.2	70.1	71.3	80.0	78.1	79.0	79.6	80.4
Germany	66.2	69.5	69.9	70.8	71.5	76.3	78.1	78.0	78.4	78.9
Poland	52.6	55.2	56.6	58.1	59.5	65.3	68.2	69.2	71.0	72.8
Portugal	61.0	59.6	61.1	62.4	64.8	69.8	65.8	66.9	68.3	71.1
Romania	52.5	53.3	53.2	53.3	55.8	67.9	68.7	69.5	69.7	71.8
Slovakia	52.3	54.3	55.9	58.3	60.3	65.2	67.6	69.5	71.4	72.0
Slovenia	62.6	60.0	61.0	62.6	65.8	69.6	67.5	69.2	68.9	72.5
United Kingdom	64.5	67.1	67.9	68.8	69.7	74.4	76.8	77.6	78.3	78.6
Hungary	50.2	55.9	57.8	60.2	61.3	59.9	67.8	70.3	73.0	75.2
Finland	66.9	68.0	67.7	67.6	68.5	69.4	69.5	69.3	70.5	71.4
France	59.8	60.4	60.6	60.9	61.2	68.3	67.3	67.1	67.6	68.4
Croatia	52.1	50.0	51.6	52.4	54.0	62.7	59.1	60.3	61.4	63.8
Czech Republic	56.3	60.7	62.4	64.4	66.2	73.5	77.0	77.9	79.3	80.9
Sweden	69.7	73.1	74.0	74.8	75.4	74.6	76.5	77.0	77.5	78.3

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	2014	2015	2016	2017
Total					
Ukraine	33.6	29.5	28.2	27.0	27.9
EU (28 countries)	33.9	32.6	33.2	33.9	34.7
Austria	52.8	52.1	51.3	51.0	50.6
Belgium	25.2	23.2	23.4	22.7	22.7
Bulgaria	24.3	20.7	20.3	19.8	22.9
Greece	20.1	13.3	13.0	13.0	14.1
Denmark	58.1	53.7	55.4	58.2	56.3
Estonia	25.3	33.3	36.3	37.5	40.5
Ireland	38.7	36.8	37.8	42.1	40.0
Spain	25.0	16.7	17.9	18.4	20.5
Italy	20.2	15.6	15.6	16.6	17.1
Cyprus	33.8	25.8	25.5	26.4	27.5
Latvia	25.4	32.5	34.5	32.8	33.0
Lithuania	18.3	27.6	28.3	30.2	30.4
Luxembourg	21.2	20.4	29.1	24.9	25.8
Malta	44.2	46.2	45.5	46.2	47.2
Netherlands	63.0	58.8	60.8	60.8	62.3
Germany	46.2	46.1	45.3	45.7	46.5
Poland	26.4	25.8	26.0	28.4	29.6
Portugal	27.9	22.4	22.8	23.9	25.9
Romania	24.3	22.5	24.5	22.3	24.5
Slovakia	20.6	21.8	23.3	25.2	26.9
Slovenia	34.1	26.8	29.6	28.6	34.7
United Kingdom	46.8	48.0	50.0	50.8	50.7
Hungary	18.3	23.5	25.7	28.1	29.0
Finland	38.8	41.4	40.5	41.7	42.5
France	30.1	28.0	27.9	27.8	28.7
Croatia	24.2	18.3	19.1	25.6	25.9
Czech Republic	25.2	27.1	28.4	28.6	29.1
Sweden	38.8	42.8	43.9	44.5	44.9

Table 6.3. continued

(in percentage to the population of relevant age)

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	29.3	25.2	24.8	24.4	24.9	37.7	33.6	31.3	29.6	30.7
EU (28 countries)	31.7	30.7	31.3	32.1	33.0	36.0	34.4	35.0	35.6	36.4
Austria	48.9	49.9	48.7	49.0	49.0	56.6	54.3	54.0	52.9	52.1
Belgium	23.1	21.8	21.7	21.4	20.9	27.3	24.5	25.0	24.0	24.4
Bulgaria	21.2	17.3	16.5	16.3	19.1	27.3	24.0	24.0	23.1	26.5
Greece	16.1	10.9	10.9	11.3	12.4	24.2	15.8	15.2	14.7	15.9
Denmark	59.5	54.9	56.2	60.0	57.3	56.7	52.7	54.6	56.5	55.3
Estonia	24.1	33.3	33.1	36.1	38.2	26.5	33.4	39.4	38.8	42.8
Ireland	40.9	36.8	37.3	41.8	39.8	36.5	36.8	38.4	42.3	40.2
Spain	24.3	16.0	17.3	17.2	19.7	25.6	17.4	18.6	19.4	21.2
Italy	16.3	12.8	12.4	13.7	13.9	24.0	18.2	18.6	19.2	20.1
Cyprus	33.3	25.9	26.8	26.2	30.4	34.4	25.8	24.0	26.5	24.5
Latvia	24.3	28.3	31.9	31.6	30.9	26.5	36.5	37.1	34.0	35.0
Lithuania	17.4	24.1	25.7	27.8	28.4	19.1	31.0	30.8	32.5	32.3
Luxembourg	20.3	18.8	28.8	25.4	24.5	22.1	21.9	29.4	24.4	27.0
Malta	42.4	46.8	45.1	43.9	44.9	45.9	45.7	45.9	48.4	49.4
Netherlands	63.5	58.8	61.7	62.1	63.6	62.6	58.7	59.9	59.6	61.0
Germany	44.5	44.3	44.0	44.5	45.5	47.9	47.7	46.5	46.9	47.4
Poland	22.1	21.3	21.3	23.7	25.2	30.5	30.0	30.5	32.8	33.9
Portugal	26.0	21.9	21.5	22.3	24.1	29.7	22.9	24.1	25.5	27.6
Romania	19.9	18.0	19.3	17.1	20.4	28.5	26.6	29.4	27.2	28.4
Slovakia	17.4	16.5	18.0	18.2	21.1	23.8	26.8	28.4	31.9	32.4
Slovenia	30.0	24.0	27.1	26.1	30.4	37.6	29.5	32.0	31.1	38.6
United Kingdom	46.1	47.8	49.7	51.1	50.9	47.6	48.2	50.3	50.5	50.5
Hungary	16.6	20.5	23.1	24.6	24.8	19.9	26.4	28.1	31.5	32.9
Finland	39.9	43.0	42.8	43.3	43.7	37.7	39.8	38.1	40.1	41.4
France	27.1	25.8	26.0	25.8	26.3	33.2	30.2	29.9	29.8	31.0
Croatia	20.4	15.3	15.8	22.2	21.8	27.9	21.2	22.4	28.8	29.8
Czech Republic	20.6	21.6	23.4	23.2	24.3	29.6	32.3	33.1	33.8	33.8
Sweden	39.2	44.0	45.5	45.9	46.0	38.5	41.6	42.4	43.1	43.9

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	2014	2015	2016	2017
Total					
Ukraine	8.2	9.3	9.1	9.3	9.5
EU (28 countries)	9.6	10.2	9.4	8.6	7.6
Austria	4.8	5.6	5.7	6.0	5.5
Belgium	8.3	8.5	8.5	7.8	7.1
Bulgaria	10.3	11.4	9.2	7.6	6.2
Greece	12.7	26.5	24.9	23.6	21.5
Denmark	7.5	6.6	6.2	6.2	5.7
Estonia	16.7	7.4	6.2	6.8	5.8
Ireland	14.6	11.9	10.0	8.4	6.7
Spain	19.9	24.5	22.1	19.6	17.2
Italy	8.4	12.7	11.9	11.7	11.2
Cyprus	6.3	16.1	15.0	13.1	11.1
Latvia	19.5	10.8	9.9	9.6	8.7
Lithuania	17.8	10.7	9.1	7.9	7.1
Luxembourg	4.6	6.0	6.5	6.3	5.6
Malta	6.9	5.8	5.4	4.7	4.6
Netherlands	5.0	7.4	6.9	6.0	4.9
Germany	7.0	5.0	4.6	4.1	3.8
Poland	9.7	9.0	7.5	6.2	4.9
Portugal	12.0	14.1	12.6	11.2	9.0
Romania	7.0	6.8	6.8	5.9	4.9
Slovakia	14.5	13.2	11.5	9.7	8.1
Slovenia	7.3	9.7	9.0	8.0	6.6
United Kingdom	7.8	6.1	5.3	4.8	4.4
Hungary	11.2	7.7	6.8	5.1	4.2
Finland	8.4	8.7	9.4	8.8	8.6
France	9.3	10.3	10.4	10.1	9.4
Croatia	11.8	17.2	16.1	13.4	11.1
Czech Republic	7.3	6.1	5.1	4.0	2.9
Sweden	8.6	7.9	7.4	6.9	6.7

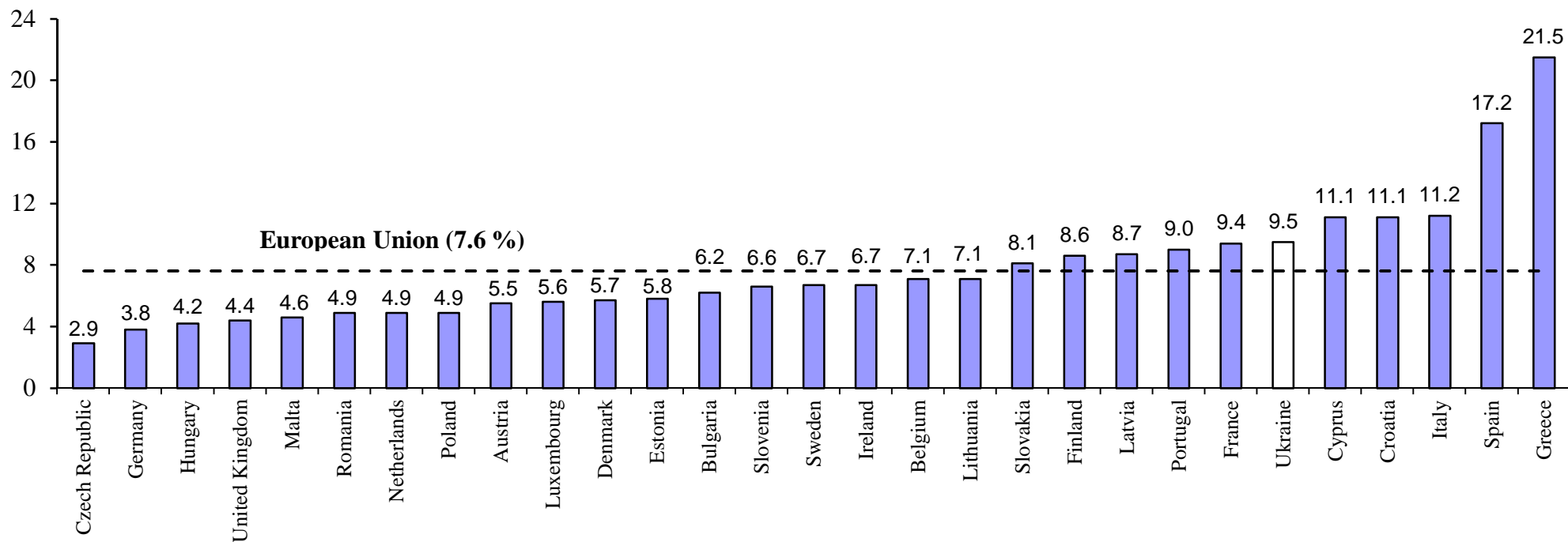
Table 6.4. continued

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

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	6.9	7.5	8.1	7.7	7.7	9.4	10.8	10.1	10.8	11.1
EU (28 countries)	9.6	10.3	9.5	8.8	7.9	9.7	10.1	9.3	8.4	7.4
Austria	4.6	5.4	5.3	5.6	5.0	5.0	5.9	6.1	6.5	5.9
Belgium	8.5	7.9	7.8	7.6	7.1	8.1	9.0	9.1	8.1	7.1
Bulgaria	9.6	10.4	8.4	7.0	6.0	10.9	12.3	9.8	8.1	6.4
Greece	16.4	30.2	28.9	28.1	26.1	10.1	23.7	21.8	19.9	17.8
Denmark	6.5	6.8	6.4	6.6	5.9	8.4	6.4	5.9	5.8	5.6
Estonia	14.1	6.8	6.1	6.1	5.3	19.3	7.9	6.2	7.4	6.2
Ireland	11.4	10.9	8.9	7.6	6.3	17.2	12.7	10.8	9.1	7.1
Spain	20.2	25.4	23.6	21.4	19.0	19.6	23.6	20.8	18.1	15.7
Italy	9.6	13.8	12.7	12.8	12.4	7.5	11.9	11.3	10.9	10.3
Cyprus	6.4	15.1	14.8	13.4	11.3	6.2	17.1	15.1	12.7	10.9
Latvia	16.3	9.8	8.6	8.4	7.7	22.7	11.8	11.1	10.9	9.8
Lithuania	14.5	9.2	8.2	6.7	5.7	21.2	12.2	10.1	9.1	8.6
Luxembourg	5.5	6.4	7.1	6.5	5.6	3.8	5.8	5.9	6.1	5.6
Malta	7.1	5.3	5.2	5.2	4.7	6.7	6.1	5.5	4.4	4.5
Netherlands	5.5	7.8	7.3	6.5	5.3	4.5	7.2	6.5	5.6	4.5
Germany	6.5	4.6	4.2	3.8	3.3	7.4	5.3	5.0	4.5	4.1
Poland	10.0	9.6	7.7	6.2	4.9	9.4	8.5	7.3	6.1	4.9
Portugal	12.2	14.5	12.9	11.3	9.5	11.9	13.8	12.4	11.1	8.6
Romania	6.2	6.1	5.8	5.0	4.0	7.6	7.3	7.5	6.6	5.6
Slovakia	14.7	13.6	12.9	10.8	8.4	14.3	12.8	10.3	8.8	7.9
Slovenia	7.1	10.6	10.1	8.6	7.5	7.5	9.0	8.1	7.5	5.8
United Kingdom	6.9	5.8	5.1	4.7	4.2	8.6	6.4	5.5	5.0	4.5
Hungary	10.7	7.9	7.0	5.1	4.6	11.6	7.6	6.6	5.1	3.8
Finland	7.6	8.0	8.8	8.6	8.4	9.1	9.3	9.9	9.0	8.9
France	9.5	10.0	9.9	9.9	9.3	9.0	10.5	10.8	10.3	9.5
Croatia	12.4	18.0	16.7	14.2	12.0	11.2	16.6	15.6	12.7	10.4
Czech Republic	8.5	7.4	6.1	4.7	3.6	6.4	5.1	4.2	3.4	2.3
Sweden	8.5	7.7	7.3	6.5	6.4	8.7	8.2	7.5	7.3	6.9

6.5. ILO unemployment rate in Ukraine and EU countries, 2017

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



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	2014	2015	2016	2017
Total					
Ukraine	8.4	9.4	9.2	9.5	9.6
EU (28 countries)	9.7	10.3	9.5	8.7	7.7
Austria	4.9	5.7	5.8	6.1	5.6
Belgium	8.4	8.6	8.6	7.9	7.1
Bulgaria	10.3	11.5	9.2	7.7	6.2
Greece	12.9	26.7	25.1	23.7	21.7
Denmark	7.6	6.8	6.3	6.3	5.9
Estonia	17.1	7.5	6.3	7.0	5.9
Ireland	14.8	12.1	10.1	8.6	6.9
Spain	20.0	24.6	22.2	19.7	17.3
Italy	8.5	12.9	12.1	11.9	11.4
Cyprus	6.5	16.3	15.2	13.2	11.3
Latvia	19.8	11.1	10.1	9.9	8.9
Lithuania	18.1	10.9	9.3	8.1	7.3
Luxembourg	4.4	5.9	6.7	6.3	5.5
Malta	6.9	5.9	5.5	4.8	4.1
Netherlands	4.5	7.5	6.9	6.1	4.9
Germany	7.1	5.1	4.7	4.2	3.8
Poland	9.7	9.1	7.6	6.2	5.0
Portugal	11.4	14.5	12.9	11.5	9.2
Romania	7.3	7.1	7.0	6.1	5.1
Slovakia	14.4	13.2	11.5	9.7	8.2
Slovenia	7.4	9.9	9.1	8.1	6.7
United Kingdom	7.9	6.3	5.4	4.9	4.4
Hungary	11.3	7.8	6.8	5.1	4.2
Finland	8.5	8.8	9.6	9.0	8.8
France	8.9	10.3	10.3	10.1	9.5
Croatia	11.9	17.5	16.4	13.3	11.3
Czech Republic	7.4	6.2	5.1	4.0	2.9
Sweden	8.8	8.1	7.6	7.1	6.9

Table 6.6. continued

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

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	7.1	7.6	8.2	7.8	7.9	9.6	10.9	10.2	10.9	11.2
EU (28 countries)	9.6	10.5	9.6	8.9	8.0	9.7	10.3	9.4	8.5	7.6
Austria	4.7	5.5	5.4	5.6	5.1	5.1	5.9	6.2	6.6	6.0
Belgium	8.6	8.0	7.8	7.6	7.1	8.2	9.1	9.2	8.1	7.2
Bulgaria	9.6	10.4	8.5	7.0	6.0	11.0	12.5	9.9	8.2	6.4
Greece	16.5	30.4	29.1	28.3	26.3	10.2	23.8	21.9	19.9	17.9
Denmark	6.5	6.9	6.5	6.8	6.0	8.5	6.6	6.1	6.0	5.7
Estonia	14.5	7.0	6.2	6.3	5.5	19.7	8.0	6.3	7.6	6.4
Ireland	11.5	11.0	9.0	7.7	6.4	17.5	13.1	11.1	9.3	7.3
Spain	20.3	25.5	23.7	21.5	19.1	19.7	23.7	20.9	18.2	15.8
Italy	9.7	13.9	12.8	12.9	12.5	7.6	12.1	11.6	11.1	10.6
Cyprus	6.5	15.2	14.9	13.5	11.4	6.4	17.5	15.4	12.9	11.2
Latvia	16.6	10.1	8.8	8.6	7.9	23.0	12.1	11.4	11.2	9.9
Lithuania	14.7	9.4	8.4	6.8	5.9	21.5	12.4	10.3	9.3	8.8
Luxembourg	5.1	5.8	7.4	6.6	5.5	3.8	6.0	6.2	6.0	5.6
Malta	7.2	5.3	5.2	5.2	4.2	6.8	6.2	5.6	4.5	4.0
Netherlands	4.5	7.8	7.3	6.5	5.3	4.5	7.2	6.6	5.6	4.5
Germany	6.6	4.7	4.3	3.8	3.4	7.5	5.4	5.1	4.6	4.2
Poland	10.1	9.7	7.8	6.3	5.0	9.5	8.6	7.4	6.2	5.0
Portugal	12.5	14.8	13.1	11.5	9.6	10.4	14.2	12.8	11.5	8.8
Romania	6.5	6.4	6.1	5.2	4.2	7.8	7.6	7.7	6.8	5.8
Slovakia	14.6	13.7	13.0	10.8	8.5	14.3	12.9	10.4	8.8	8.0
Slovenia	7.2	10.8	10.2	8.7	7.6	7.6	9.1	8.2	7.6	5.9
United Kingdom	7.0	6.0	5.2	4.8	4.3	8.7	6.5	5.6	5.1	4.6
Hungary	10.7	8.0	7.1	5.1	4.6	11.7	7.6	6.6	5.2	3.8
Finland	7.7	8.1	9.0	8.7	8.5	9.3	9.6	10.2	9.3	9.1
France	9.1	10.1	10.0	9.9	9.4	8.7	10.6	10.9	10.4	9.5
Croatia	12.6	18.4	17.1	13.9	12.0	11.3	16.6	15.8	12.7	10.7
Czech Republic	8.5	7.5	6.2	4.8	3.6	6.5	5.2	4.3	3.4	2.4
Sweden	8.6	7.8	7.4	6.7	6.5	8.9	8.5	7.8	7.6	7.2

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	2014	2015	2016	2017
Total					
Ukraine	17.2	23.1	22.4	23.0	18.9
EU (28 countries)	21.1	22.2	20.3	18.7	16.8
Austria	9.5	10.3	10.6	11.2	9.8
Belgium	22.4	23.2	22.1	20.1	19.3
Bulgaria	21.9	23.8	21.6	17.2	12.9
Greece	33.0	52.4	49.8	47.3	43.6
Denmark	14.0	12.6	10.8	12.0	11.0
Estonia	32.9	15.0	13.1	13.4	12.1
Ireland	28.1	23.4	20.2	16.8	14.4
Spain	41.5	53.2	48.3	44.4	38.6
Italy	27.9	42.7	40.3	37.8	34.7
Cyprus	16.6	36.0	32.8	29.1	24.7
Latvia	36.2	19.6	16.3	17.3	17.0
Lithuania	35.7	19.3	16.3	14.5	13.3
Luxembourg	14.2	22.6	17.3	18.9	15.4
Malta	13.2	11.7	11.8	11.0	10.4
Netherlands	8.7	12.7	11.3	10.8	8.9
Germany	9.8	7.7	7.2	7.1	6.8
Poland	23.7	23.9	20.8	17.7	14.8
Portugal	22.8	34.8	32.0	28.0	23.9
Romania	22.1	24.0	21.7	20.6	18.3
Slovakia	33.6	29.7	26.5	22.2	18.9
Slovenia	14.7	20.2	16.3	15.2	11.2
United Kingdom	19.9	17.0	14.6	13.0	12.1
Hungary	26.4	20.4	17.3	12.9	10.7
Finland	21.4	20.5	22.4	20.1	20.1
France	22.5	24.2	24.7	24.6	22.3
Croatia	32.4	45.5	42.3	31.3	27.4
Czech Republic	18.3	15.9	12.6	10.5	7.9
Sweden	24.8	22.9	20.4	18.9	17.9

Table 6.7. continued

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

	Women					Men				
	2010	2014	2015	2016	2017	2010	2014	2015	2016	2017
Ukraine	16.8	22.4	21.9	21.5	17.0	17.5	23.7	22.7	24.0	20.3
EU (28 countries)	20.2	21.4	19.5	17.9	16.1	21.8	22.9	21.1	19.4	17.4
Austria	9.4	9.9	10.0	10.2	8.7	9.6	10.6	11.1	12.1	10.8
Belgium	22.4	22.3	20.0	18.2	18.0	22.4	24.0	23.8	21.7	20.2
Bulgaria	20.1	23.7	22.3	16.9	12.4	23.2	23.8	21.2	17.4	13.3
Greece	40.3	58.1	55.0	50.7	48.2	26.8	47.4	45.2	44.3	39.3
Denmark	11.8	11.5	10.1	10.9	10.7	16.1	13.7	11.6	13.1	11.4
Estonia	29.5	10.0	12.2	10.6	10.0	35.7	19.3	13.8	15.8	13.9
Ireland	20.9	19.8	16.3	13.5	12.6	34.8	26.6	23.5	19.7	16.0
Spain	39.6	52.9	48.0	44.9	37.4	43.1	53.4	48.6	44.0	39.5
Italy	29.4	44.7	42.6	39.6	37.3	26.9	41.3	38.8	36.5	33.0
Cyprus	17.2	34.6	31.1	31.8	22.9	15.9	37.4	34.7	25.8	27.0
Latvia	34.8	20.0	14.2	12.1	15.4	37.3	19.4	18.0	21.4	18.3
Lithuania	31.6	18.7	16.6	12.6	11.7	39.0	19.6	16.0	15.9	14.6
Luxembourg	10.2	18.1	15.7	18.0	13.2	17.6	26.1	18.9	19.7	17.2
Malta	11.8	9.6	9.4	10.9	10.2	14.4	13.7	13.9	11.2	10.7
Netherlands	8.6	13.1	11.2	10.3	8.8	8.8	12.4	11.3	11.4	9.0
Germany	8.8	7.1	6.5	6.1	5.8	10.7	8.3	7.9	7.8	7.6
Poland	25.4	25.5	20.9	18.0	15.1	22.4	22.7	20.7	17.4	14.6
Portugal	24.0	35.4	34.5	28.8	25.5	21.6	34.2	29.6	27.2	22.4
Romania	22.1	24.7	23.4	21.8	18.6	22.1	23.6	20.6	19.9	18.1
Slovakia	31.9	30.1	27.5	26.3	20.2	34.6	29.5	25.8	19.8	18.1
Slovenia	13.8	21.3	14.6	14.7	13.0	15.2	19.4	17.7	15.6	9.9
United Kingdom	17.6	14.8	12.9	11.1	10.6	22.0	18.9	16.2	14.8	13.5
Hungary	24.7	20.9	16.0	12.9	12.1	27.8	20.0	18.3	12.9	9.7
Finland	19.0	18.4	19.7	18.6	19.3	23.8	22.8	25.4	21.8	20.9
France	23.0	23.1	23.3	24.1	21.3	22.2	25.1	25.8	25.1	23.1
Croatia	33.6	46.4	43.7	31.3	27.7	31.5	44.9	41.4	31.2	27.1
Czech Republic	18.5	17.1	14.4	11.4	8.7	18.2	15.0	11.3	9.9	7.4
Sweden	23.6	21.5	19.6	17.3	17.0	25.9	24.2	21.2	20.5	18.8

REGISTERED LABOUR MARKET

SECTION 7

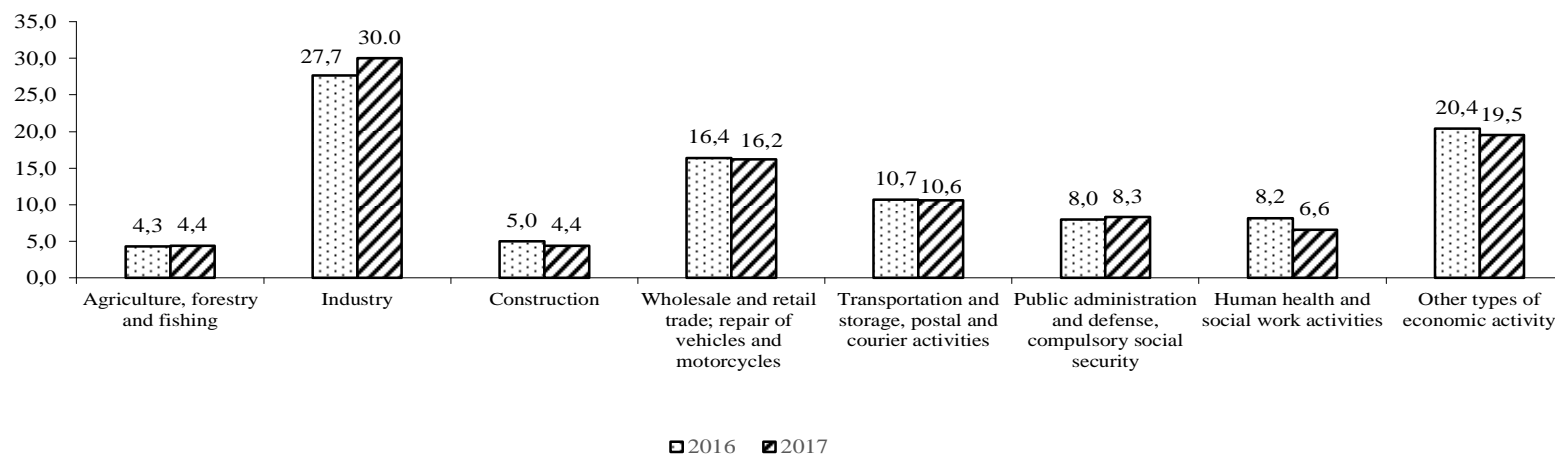
7.1. Number of registered unemployed and number of vacancies, by type of economic activity, 2017

(at the end of year)

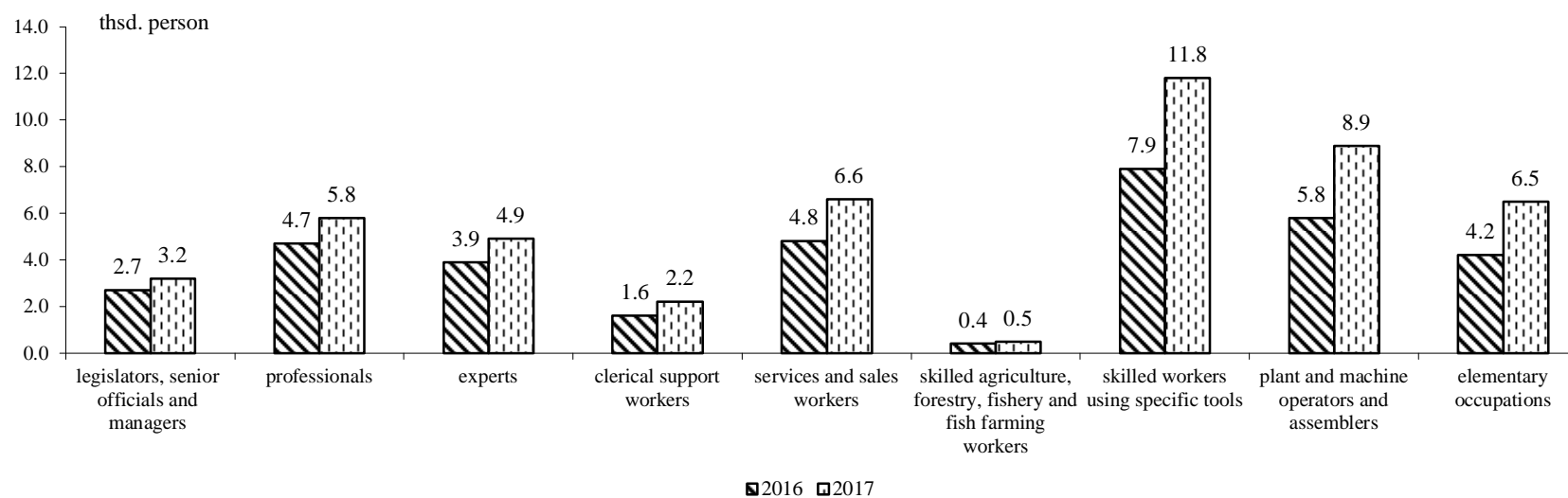
	Number of registered unemployed ¹		Number of vacancies		Load of registered unemployed per one vacancy, prs.
	thsd. prs.	in percentage to 2016	thsd.	in percentage to the total	
Total	354.4	90.7	50.4	100.0	7
Agriculture, forestry and fishing	92.1	101.3	2.2	4.4	41
Industry	53.9	92.4	15.1	30.0	4
of which:					
mining and quarrying	3.4	80.4	0.6	1.3	5
manufacturing	42.2	93.2	11.6	23.0	4
Construction	7.8	96.3	2.2	4.4	4
Wholesale and retail trade; repair of vehicles and motorcycles	48.1	107.6	8.1	16.2	6
Transportation and storage, postal and courier activities	13.7	104.6	5.4	10.6	3
Accommodation and food service activities	6.8	107.7	1.4	2.7	5
Information and communication	4.1	84.6	0.4	0.8	10
Financial and insurance activities	9.1	75.5	0.5	0.9	19
Real estate activities	2.7	92.0	0.7	1.5	4
Professional, scientific and technical activities	6.0	101.0	1.1	2.2	5
Administrative and support service activities	6.4	100.1	2.0	4.0	3
Public administration and defense, compulsory social security	37.1	57.2	4.2	8.3	9
Education	7.2	99.8	2.7	5.4	3
Human health and social work activities	10.0	91.9	3.4	6.6	3
Arts, entertainment and recreation	1.6	102.7	0.5	1.0	3
Other services	3.4	111.6	0.5	1.0	7
Persons who have not previously worked	44.4	89.7	X	X	X

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

7.2. Number of vacancies, by type of economic activity in 2016-2017 in percentage to the total number of vacancies, at the end of year



7.3. Number of vacancies, by occupational group in 2016-2017



7.4. Number of vacancies, by region

(thsd.; at the end of year)

	2010	2014	2015	2016	2017
Ukraine	60.1	35.3	25.9	36.0	50.4
Vinnitsia	0.6	0.4	0.4	0.5	0.8
Volyn	0.8	0.5	0.8	1.6	2.2
Dnipropetrovsk	7.7	5.9	2.7	3.4	4.5
Donetsk	2.9	1.1	0.4	0.4	0.7
Zhytomyr	1.8	1.7	1.3	1.6	1.9
Zakarpattia	0.9	0.5	0.2	0.4	0.8
Zaporizhia	1.6	0.4	0.2	0.5	0.8
Ivano-Frankivsk	0.2	0.3	0.5	0.5	1.1
Kyiv	3.2	1.8	1.9	2.3	4.7
Kirovohrad	0.6	0.6	0.6	1.5	2.0
Luhansk	2.0	0.2	0.1	0.4	0.5
Lviv	2.3	1.0	1.5	2.8	5.7
Mykolaiv	1.1	1.0	1.0	1.4	1.8
Odesa	2.6	2.5	1.8	2.7	3.0
Poltava	1.8	1.7	1.4	1.8	2.2
Rivne	0.8	0.8	0.7	0.9	1.1
Sumy	0.7	0.7	0.7	1.0	1.3
Ternopil	0.9	1.3	1.0	1.1	1.0
Kharkiv	3.3	2.6	2.2	2.8	3.5
Kherson	1.1	0.6	0.4	0.4	0.5
Khmelnysk	0.4	0.2	0.4	0.6	1.2
Cherkasy	0.3	0.4	0.6	0.5	0.2
Chernivtsi	0.7	0.4	0.5	0.7	1.2
Chernihiv	0.9	1.3	0.6	0.7	1.1
Kyiv city	20.9	7.4	4.0	5.5	6.6

7.5. Load of non-working population (registered unemployed) per one vacancy, by region

	(person; at the end of year)				
	2010	2014	2015	2016	2017
Ukraine	9	14	19	11	7
Vinnytsia	49	61	62	52	25
Volyn	17	22	15	6	4
Dnipropetrovsk	5	6	14	9	6
Donetsk	11	25	60	35	18
Zhytomyr	13	11	17	11	7
Zakarpattia	15	18	37	14	6
Zaporizhia	17	86	185	46	26
Ivano-Frankivsk	74	52	27	21	9
Kyiv	5	11	11	7	3
Kirovohrad	31	36	39	11	9
Luhansk	11	101	140	23	18
Lviv	12	26	16	6	3
Mykolaiv	18	20	19	12	10
Odesa	8	7	9	5	5
Poltava	20	18	21	14	11
Rivne	25	20	24	16	12
Sumy	31	26	27	15	12
Ternopil	21	13	13	9	9
Kharkiv	10	12	13	8	7
Kherson	10	27	35	28	24
Khmelnysk	53	75	44	28	10
Cherkasy	89	65	41	43	74
Chernivtsi	16	23	17	11	5
Chernihiv	21	12	25	17	10
Kyiv city	0,3	2	4	2	1

7.6. Number of registered unemployed and number of vacancies, by occupational group
(by section of Classification of Occupations (CO))

(at the end of year)

	Number of registered unemployed, thsd. prs.		Number of vacancies, thsd.		Load of registered unemployed per one vacancy, prs.	
	2016	2017	2016	2017	2016	2017
Total	390.8	354.4	36.0	50.4	11	7
including:						
legislators, senior officials and managers	64.5	50.3	2.7	3.2	24	15
professionals	33.2	29.5	4.7	5.8	7	5
experts	36.6	32.4	3.9	4.9	9	7
clerical support workers	20.4	18.9	1.6	2.2	12	9
services and sales workers	54.9	52.5	4.8	6.6	11	8
skilled agriculture, forestry, fishery and fish farming workers	21.7	20.3	0.4	0.5	55	44
skilled workers using specific tools	35.9	31.5	7.9	11.8	5	3
plant and machine operators, and assemblers	70.4	67.4	5.8	8.9	12	8
elementary occupations ¹	53.2	51.6	4.2	6.5	13	8

¹ 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	2014	2015	2016	2017
Total	524.1	512.2	490.8	390.8	354.4
of which:					
women	282.2	275.4	276.8	196.6	189.5
including by level of education:					
complete higher	92.9	124.3	117.0	93.4	86.0
basic higher	111.0	103.8	99.1	74.1	67.4
vocational	183.1	181.2	174.0	143.1	131.3
secondary	115.5	83.0	80.6	64.4	55.4
basic secondary	21.0	19.0	19.0	15.0	13.6
primary	0.6	0.9	1.1	0.8	0.7
including:					
persons who did not work less than 1 year - total	461.0	449.0	425.8	348.8	315.8
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	30.4	33.1	25.7	16.6
dismissed at own will	60.4	51.2	45.0	33.7	31.4
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	226.6	196.4	156.6	157.5
layoffs due to the end of contract	108.1	93.7	85.4	72.3	70.7
persons who did not work more than 1 year through different causes	63.1	63.2	65.0	42.0	38.6

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

(average for the period)

	2010		2014		2015		2016		2017	
	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
Total										
Ukraine	436.8	2.3	458.6	2.4	461.1	2.7	407.2	2.4	352.5	2.1
Vinnitsia	22.0	3.2	23.9	3.4	23.6	3.3	23.2	3.3	20.5	3.0
Volyn	12.4	2.8	11.4	2.6	11.5	2.7	11.0	2.6	9.7	2.3
Dnipropetrovsk	29.1	1.9	32.0	2.1	34.8	2.2	32.5	2.2	27.5	1.9
Donetsk	31.7	1.6	33.5	1.8	22.5	2.6	18.6	2.2	13.5	1.6
Zhytomyr	20.4	3.7	18.8	3.5	20.5	3.8	18.9	3.5	15.7	2.9
Zakarpattia	12.1	2.2	9.7	1.8	9.0	1.6	7.3	1.3	5.7	1.1
Zaporizhia	21.0	2.6	23.5	2.9	26.9	3.4	23.2	2.9	20.1	2.6
Ivano-Frankivsk	14.9	2.8	15.9	2.8	14.9	2.6	12.6	2.2	10.7	1.9
Kyiv	14.8	2.0	17.0	2.2	19.6	2.5	16.5	2.1	14.0	1.8
Kirovohrad	14.6	3.4	16.7	4.0	18.9	4.5	16.9	4.1	15.2	3.7
Luhansk	16.1	1.6	18.8	2.0	9.7	2.8	8.2	2.4	7.0	2.1
Lviv	23.3	2.1	24.1	2.2	23.2	2.1	20.0	1.8	15.9	1.4
Mykolaiv	14.9	2.8	16.5	3.1	17.1	3.2	16.3	3.0	15.1	2.9
Odesa	14.1	1.4	12.8	1.2	13.8	1.3	12.4	1.2	11.2	1.1
Poltava	25.7	3.9	23.0	3.5	27.1	4.2	23.5	3.7	20.6	3.2
Rivne	17.1	3.5	16.8	3.5	17.1	3.5	14.9	3.1	14.4	3.0
Sumy	17.4	3.4	16.6	3.3	17.4	3.5	14.8	3.0	14.2	2.9
Ternopil	12.5	2.9	15.2	3.4	12.4	2.8	11.1	2.5	9.7	2.2
Kharkiv	27.1	2.1	26.4	2.1	27.4	2.1	24.1	1.9	22.1	1.7
Kherson	8.6	1.7	11.8	2.4	12.9	2.7	10.9	2.2	9.2	1.9
Khmelnysk	16.6	2.9	16.1	2.9	15.0	2.8	14.5	2.7	13.2	2.4
Cherkasy	19.9	3.4	21.6	3.8	23.9	4.2	20.1	3.5	17.7	3.1
Chernivtsi	9.3	2.6	9.4	2.6	8.6	2.4	8.1	2.2	7.3	2.0
Chernihiv	15.7	3.3	14.4	3.1	15.7	3.4	13.6	3.0	12.0	2.6
Kyiv city	5.5	0.4	12.7	0.9	17.6	1.3	14.0	1.0	10.3	0.8

Table 7.8. continued

	2010		2014		2015		2016		2017	
	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
Women										
Ukraine	243.9	2.7	250.2	2.8	274.7	3.4	225.1	2.8	190.7	2.4
Vinnitsia	11.6	3.6	11.8	3.6	12.8	3.9	11.4	3.4	9.7	2.9
Volyn	6.5	3.2	6.3	3.0	6.9	3.4	5.8	3.0	5.0	2.5
Dnipropetrovsk	17.2	2.4	18.6	2.5	22.2	2.9	19.1	2.6	16.1	2.3
Donetsk	20.3	2.1	19.4	2.1	14.0	3.6	10.9	2.8	8.2	2.2
Zhytomyr	11.3	4.4	10.2	4.1	11.7	4.6	10.0	3.8	8.6	3.3
Zakarpattia	7.5	3.1	6.0	2.3	6.2	2.5	4.7	2.0	3.5	1.5
Zaporizhia	11.7	3.1	12.6	3.2	15.9	4.3	13.1	3.5	11.2	3.1
Ivano-Frankivsk	8.3	3.4	9.1	3.8	9.5	3.7	7.3	2.9	5.9	2.3
Kyiv	8.4	2.5	9.8	2.7	12.1	3.3	9.3	2.5	7.7	2.1
Kirovohrad	8.0	3.9	8.8	4.4	10.7	5.4	9.3	4.7	8.2	4.1
Luhansk	10.0	2.1	10.8	2.4	6.1	3.7	4.7	2.9	3.8	2.4
Lviv	13.0	2.6	13.5	2.7	14.4	2.8	11.3	2.2	8.9	1.7
Mykolaiv	8.1	3.3	8.9	3.7	10.0	3.9	9.0	3.6	8.2	3.3
Odesa	7.5	1.6	6.6	1.5	8.0	1.7	6.7	1.5	5.8	1.3
Poltava	13.7	4.4	11.8	3.8	15.0	4.9	12.4	4.1	10.9	3.6
Rivne	9.1	4.0	9.3	4.1	9.9	4.2	7.9	3.6	7.5	3.4
Sumy	9.4	3.9	8.9	3.8	10.4	4.3	8.2	3.4	7.7	3.2
Ternopil	6.2	3.0	7.3	3.5	7.0	3.2	5.8	2.6	4.8	2.2
Kharkiv	15.6	2.7	14.8	2.5	17.2	2.9	14.2	2.3	12.7	2.1
Kherson	5.0	2.3	6.4	2.9	7.4	3.3	5.9	2.7	4.8	2.2
Khmelnysk	8.6	3.3	8.0	3.1	8.4	3.3	7.4	2.9	6.4	2.5
Cherkasy	10.8	3.9	11.5	4.3	13.8	5.2	11.0	4.0	9.3	3.4
Chernivtsi	4.5	2.9	4.5	2.9	4.6	2.8	3.9	2.4	3.4	2.0
Chernihiv	8.3	3.7	7.6	3.4	8.9	4.0	7.3	3.3	6.5	2.9
Kyiv city	3.3	0.5	7.7	1.2	11.6	1.7	8.5	1.3	5.9	0.9

Table 7.8. continued

	2010		2014		2015		2016		2017	
	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
Men										
Ukraine	192.9	1.9	208.4	2.1	186.4	2.0	182.1	2.0	161.8	1.8
Vinnitsia	10.4	2.8	12.1	3.2	10.8	2.8	11.8	3.2	10.8	3.0
Volyn	5.9	2.5	5.1	2.3	4.6	2.0	5.2	2.3	4.7	2.2
Dnipropetrovsk	11.9	1.5	13.4	1.7	12.6	1.6	13.4	1.7	11.4	1.5
Donetsk	11.4	1.1	14.1	1.4	8.5	1.9	7.7	1.7	5.3	1.2
Zhytomyr	9.1	3.1	8.6	3.0	8.8	3.1	8.9	3.2	7.1	2.5
Zakarpattia	4.6	1.5	3.7	1.2	2.8	0.9	2.6	0.8	2.2	0.7
Zaporizhia	9.3	2.1	10.9	2.6	11.0	2.6	10.1	2.4	8.9	2.1
Ivano-Frankivsk	6.6	2.3	6.8	2.1	5.4	1.7	5.3	1.6	4.8	1.5
Kyiv	6.4	1.6	7.2	1.8	7.5	1.8	7.2	1.8	6.3	1.5
Kirovohrad	6.6	2.9	7.9	3.6	8.2	3.7	7.6	3.4	7.0	3.2
Luhansk	6.1	1.1	8.0	1.6	3.6	2.0	3.5	2.0	3.2	1.9
Lviv	10.3	1.7	10.6	1.8	8.8	1.5	8.7	1.4	7.0	1.2
Mykolaiv	6.8	2.3	7.6	2.6	7.1	2.5	7.3	2.6	6.9	2.4
Odesa	6.6	1.2	6.2	1.0	5.8	1.0	5.7	1.0	5.4	0.9
Poltava	12.0	3.4	11.2	3.2	12.1	3.5	11.1	3.3	9.7	2.9
Rivne	8.0	3.1	7.5	2.9	7.2	2.8	7.0	2.7	6.9	2.7
Sumy	8.0	3.0	7.7	2.9	7.0	2.7	6.6	2.6	6.5	2.5
Ternopil	6.3	2.7	7.9	3.4	5.4	2.3	5.3	2.3	4.9	2.2
Kharkiv	11.5	1.7	11.6	1.7	10.2	1.5	9.9	1.5	9.4	1.4
Kherson	3.6	1.3	5.4	2.0	5.5	2.1	5.0	1.9	4.4	1.6
Khmelnitsk	8.0	2.6	8.1	2.8	6.6	2.3	7.1	2.4	6.8	2.3
Cherkasy	9.1	3.0	10.1	3.4	10.1	3.4	9.1	3.1	8.4	2.9
Chernivtsi	4.8	2.4	4.9	2.4	4.0	2.1	4.2	2.1	3.9	2.0
Chernihiv	7.4	3.1	6.8	2.9	6.8	2.8	6.3	2.7	5.5	2.3
Kyiv city	2.2	0.3	5.0	0.7	6.0	0.9	5.5	0.8	4.4	0.6

Table 7.8 continued

	2010		2014		2015		2016		2017	
	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
Urban settlements										
Ukraine	269.4	2.0	283.0	2.1	288.6	2.4	241.1	2.0	200.7	1.7
Vinnitsia	9.7	2.8	9.9	2.7	10.2	2.7	9.5	2.6	7.7	2.1
Volyn	7.4	3.4	6.8	2.9	6.8	2.9	6.1	2.6	5.2	2.3
Dnipropetrovsk	23.3	1.8	24.8	1.9	27.7	2.1	25.4	2.0	20.9	1.6
Donetsk	28.1	1.5	28.7	1.6	18.8	2.6	15.0	2.1	10.9	1.6
Zhytomyr	11.3	3.6	10.0	3.1	10.9	3.3	9.5	2.9	7.6	2.3
Zakarpattia	4.5	2.0	3.8	1.7	3.5	1.6	2.8	1.3	2.2	1.0
Zaporizhia	15.7	2.5	16.8	2.7	19.8	3.2	16.4	2.6	13.5	2.2
Ivano-Frankivsk	7.1	2.9	7.3	2.9	6.8	2.5	5.4	2.0	4.5	1.6
Kyiv	9.0	1.9	10.5	2.0	12.5	2.4	10.0	2.0	8.3	1.6
Kirovohrad	8.5	3.0	9.3	3.4	11.1	4.0	9.3	3.4	8.0	2.8
Luhansk	12.6	1.5	15.0	1.8	7.0	3.0	5.4	2.3	4.4	1.9
Lviv	13.1	1.9	14.5	2.1	14.1	2.0	11.7	1.6	9.4	1.3
Mykolaiv	8.6	2.4	9.7	2.7	10.3	2.8	9.0	2.5	7.9	2.2
Odesa	6.9	1.0	6.3	0.9	7.1	1.0	6.0	0.9	5.1	0.7
Poltava	13.6	3.3	11.9	2.9	14.7	3.5	12.1	3.0	10.2	2.5
Rivne	8.1	3.5	8.2	3.6	8.4	3.6	6.8	2.9	6.4	2.8
Sumy	11.7	3.2	11.0	3.2	12.1	3.5	9.7	2.8	9.2	2.7
Ternopil	5.9	2.9	7.3	3.3	6.0	2.5	4.8	2.0	4.1	1.8
Kharkiv	19.2	1.9	18.3	1.7	19.7	1.9	16.8	1.6	15.0	1.4
Kherson	5.4	1.9	7.4	2.6	8.2	2.9	6.3	2.2	5.1	1.8
Khmelnytsk	9.0	2.8	8.3	2.5	8.1	2.5	7.2	2.2	6.2	2.0
Cherkasy	11.2	3.3	11.9	3.5	13.9	4.1	10.6	3.1	8.9	2.6
Chernivtsi	3.5	3.2	3.7	2.4	3.6	2.3	3.3	2.2	2.7	1.8
Chernihiv	10.5	3.5	9.4	3.0	10.5	3.4	8.7	2.8	7.5	2.4
Kyiv city	5.5	0.4	12.2	0.9	16.8	1.2	13.3	1.0	9.8	0.7

Table 7.8. continued

	2010		2014		2015		2016		2017	
	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
Rural areas										
Ukraine	167.4	2.9	175.6	3.2	172.5	3.2	166.1	3.1	151.8	2.8
Vinnitsia	12.3	3.5	14.0	4.2	13.4	4.0	13.7	4.1	12.8	3.9
Volyn	5.0	2.3	4.6	2.3	4.7	2.4	4.9	2.5	4.5	2.5
Dnipropetrovsk	5.8	2.5	7.2	3.3	7.1	3.2	7.1	3.4	6.6	3.2
Donetsk	3.6	1.9	4.8	2.8	3.7	2.6	3.6	2.6	2.6	1.9
Zhytomyr	9.1	3.8	8.8	4.1	9.6	4.6	9.4	4.3	8.1	3.6
Zakarpattia	7.6	2.4	5.9	1.8	5.5	1.7	4.5	1.4	3.5	1.1
Zaporizhia	5.3	2.8	6.7	3.8	7.1	4.1	6.8	4.0	6.6	4.0
Ivano-Frankivsk	7.8	2.7	8.6	2.8	8.1	2.7	7.2	2.4	6.2	2.1
Kyiv	5.8	2.2	6.5	2.5	7.1	2.7	6.5	2.4	5.7	2.1
Kirovohrad	6.1	4.1	7.4	5.1	7.8	5.5	7.6	5.4	7.2	5.3
Luhansk	3.5	2.4	3.8	3.0	2.7	2.5	2.8	2.7	2.6	2.5
Lviv	10.2	2.4	9.6	2.4	9.1	2.3	8.3	2.1	6.5	1.6
Mykolaiv	6.3	3.5	6.8	3.9	6.8	3.9	7.3	4.3	7.2	4.4
Odesa	7.2	2.1	6.5	2.0	6.7	2.0	6.4	1.9	6.1	1.8
Poltava	12.1	4.9	11.1	4.5	12.4	5.4	11.4	5.0	10.4	4.5
Rivne	9.0	3.5	8.6	3.4	8.7	3.4	8.1	3.2	8.0	3.2
Sumy	5.7	4.1	5.6	3.6	5.3	3.5	5.1	3.3	5.0	3.3
Ternopil	6.6	2.8	7.9	3.5	6.4	3.0	6.3	3.0	5.6	2.7
Kharkiv	7.9	3.3	8.1	3.5	7.7	3.4	7.3	3.1	7.1	3.0
Kherson	3.2	1.5	4.4	2.2	4.7	2.3	4.6	2.3	4.1	2.1
Khmelnysk	7.6	3.0	7.8	3.7	6.9	3.2	7.3	3.2	7.0	3.0
Cherkasy	8.7	3.6	9.7	4.2	10.0	4.3	9.5	4.2	8.8	3.9
Chernivtsi	5.8	2.4	5.7	2.8	5.0	2.4	4.8	2.2	4.6	2.1
Chernihiv	5.2	3.1	5.0	3.3	5.2	3.4	4.9	3.3	4.5	3.2
Kyiv city	6	6	0.5	X	0.8	X	0.7	X	0.5	X

7.9. Duration of registered unemployment, by region, 2017

(at the end of year)

	Number of registered unemployed - total, thsd. prs.	by duration of unemployment						Average duration of unemployment, months ¹
		up to 1 month	from 1 to 3 months	from 3 to 6 months	from 6 to 9 months	from 9 to 12 months	12 months and more	
Ukraine	354.4	83.2	110.3	75.6	47.5	27.8	10.0	4
Vinnitsia	20.3	6.3	6.0	3.5	2.4	1.7	0.4	4
Volyn	8.2	1.6	2.4	1.9	1.4	0.7	0.2	4
Dnipropetrovsk	27.4	5.5	8.3	6.3	4.4	2.2	0.7	4
Donetsk	11.8	2.2	3.6	3.1	1.8	0.9	0.2	4
Zhytomyr	13.9	2.4	3.6	3.2	2.3	1.8	0.6	5
Zakarpattia	5.2	0.9	1.6	1.4	0.8	0.4	0.1	4
Zaporizhia	21.7	4.5	7.6	4.7	2.7	1.9	0.3	4
Ivano-Frankivsk	9.2	1.9	2.9	2.5	1.3	0.5	0.1	4
Kyiv	13.5	3.2	3.9	3.1	2.1	1.0	0.2	4
Kirovohrad	17.4	4.7	5.2	2.9	1.8	1.5	1.3	4
Luhansk	8.3	1.7	3.2	1.6	0.9	0.6	0.3	4
Lviv	14.5	2.8	4.6	3.8	2.2	0.9	0.2	4
Mykolaiv	17.8	3.9	6.2	3.6	2.0	1.4	0.7	4
Odesa	13.4	4.0	5.2	2.3	1.1	0.6	0.2	3
Poltava	24.0	7.1	7.7	4.3	2.8	1.5	0.6	3
Rivne	13.0	2.4	3.4	2.9	2.1	1.5	0.7	5
Sumy	14.6	3.3	4.0	3.1	2.1	1.4	0.7	4
Ternopil	9.2	2.2	2.8	2.0	1.2	0.8	0.2	4
Kharkiv	22.8	5.3	8.0	5.3	2.9	1.0	0.3	3
Kherson	11.2	3.2	4.4	2.0	0.9	0.5	0.2	3
Khmelnysk	12.1	3.9	3.3	2.1	1.5	1.0	0.3	4
Cherkasy	18.2	5.2	5.1	3.6	2.4	1.4	0.5	4
Chernivtsi	6.6	1.4	2.0	1.2	0.9	0.8	0.3	4
Chernihiv	10.9	2.3	2.8	2.4	1.8	1.1	0.5	5
Kyiv city	9.2	1.3	2.5	2.8	1.7	0.7	0.2	5

¹ The average duration of unemployment is calculated by a detailed interval series.

7.10. Unemployment benefits, by region

(in December of the respective year)

	2010		2014		2015		2016		2017	
	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
Ukraine	780	84.6	1 232	101.1	1 444	104.8	1 997	124.8	2 331	72.8
Vinnitsia	796	86.3	1 108	90.9	1 375	99.8	1 972	123.3	2 186	68.3
Volyn	715	77.6	1 071	88.0	1 330	96.5	1 928	120.5	2 088	65.3
Dnipropetrovsk	865	93.8	1 409	115.6	1 605	116.5	2 153	134.6	2 550	79.7
Donetsk	843	91.4	1 398	114.8	1 362	98.8	1 970	123.1	2 513	78.5
Zhytomyr	740	80.2	1 103	90.6	1 343	97.5	1 831	114.4	2 055	64.2
Zakarpatya	672	72.9	991	81.4	1 174	85.2	1 591	99.4	1 965	61.4
Zaporizhia	761	82.5	1 214	99.7	1 317	95.6	1 729	108.1	2 198	68.7
Ivano-Frankivsk	704	76.3	1 000	82.1	1 237	89.8	1 825	114.1	2 124	66.4
Kyiv	891	96.6	1 613	132.4	1 830	132.8	2 452	153.3	2 894	90.5
Kirovohrad	734	79.6	1 128	92.6	1 317	95.6	1 840	115.0	2 099	65.6
Luhansk	794	86.1	1 215	99.7	1 232	89.4	1 564	97.8	2 261	70.7
Lviv	722	78.3	1 125	92.4	1 386	100.6	2 053	128.3	2 353	73.5
Mykolaiv	774	83.9	1 069	87.8	1 320	95.8	1 796	112.3	2 122	66.3
Odesa	724	78.5	1 321	108.5	1 552	112.6	1 896	118.5	2 275	71.1
Poltava	813	88.1	1 283	105.4	1 511	109.7	2 008	125.5	2 496	78.0
Rivne	701	76.0	1 014	83.3	1 235	89.6	1 819	113.7	1 809	56.5
Sumy	775	84.1	1 142	93.7	1 354	98.3	1 876	117.3	2 108	65.9
Ternopil	680	73.8	1 004	82.4	1 231	89.3	1 768	110.5	2 024	63.2
Kharkiv	769	83.4	1 233	101.3	1 399	101.5	1 844	115.3	2 267	70.8
Kherson	724	78.5	1 049	86.1	1 304	94.6	1 798	112.4	2 079	65.0
Khmelnysk	725	78.6	1 159	95.1	1 400	101.6	1 877	117.3	2 214	69.2
Cherkasy	779	84.5	1 177	96.7	1 387	100.7	1 882	117.6	2 150	67.2
Chernivtsi	734	79.6	1 076	88.3	1 346	97.7	1 734	108.4	1 917	59.9
Chernihiv	746	80.9	1 179	96.8	1 404	101.9	1 908	119.3	2 235	69.8
Kyiv city	1 894	205.4	2 706	222.2	3 143	228.1	4 058	253.6	4 775	149.2

7.11. Registered unemployed, by age group, sex and region, 2017

(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
Total										
Ukraine	354.4	1.0	6.5	11.9	15.0	14.3	13.7	12.8	12.5	12.3
Vinnitsia	20.3	1.0	6.6	10.8	12.8	13.1	14.7	14.7	14.1	12.2
Volyn	8.2	1.3	8.3	13.0	16.3	15.5	12.7	11.2	9.4	12.3
Dnipropetrovsk	27.4	0.6	5.7	12.3	16.0	14.7	14.0	12.9	12.2	11.6
Donetsk	11.8	0.7	5.6	11.6	15.6	14.7	13.2	12.8	13.0	12.8
Zhytomyr	13.9	1.4	8.2	12.4	14.5	14.2	15.0	13.5	11.5	9.3
Zakarpattia	5.2	0.8	5.5	11.6	15.9	16.6	13.0	10.3	10.3	16.0
Zaporizhia	21.7	0.6	5.9	12.5	16.8	14.7	13.2	11.7	12.4	12.2
Ivano-Frankivsk	9.2	2.4	10.0	13.2	15.5	13.4	11.3	9.9	11.2	13.1
Kyiv	13.5	0.8	6.5	12.6	16.6	15.0	14.2	13.8	12.6	7.9
Kirovohrad	17.4	0.8	6.4	12.0	14.8	13.8	14.6	13.1	12.8	11.7
Luhansk	8.3	0.9	5.2	10.7	14.2	14.1	14.1	14.0	13.4	13.4
Lviv	14.5	1.6	9.8	13.9	16.4	14.0	11.2	10.8	10.1	12.2
Mykolaiv	17.8	1.0	6.1	12.6	16.6	15.7	14.0	11.7	11.5	10.8
Odesa	13.4	1.2	5.2	9.1	13.4	14.3	14.9	14.6	14.2	13.1
Poltava	24.0	0.8	6.0	12.2	14.2	13.6	13.7	13.8	13.6	12.1
Rivne	13.0	2.3	9.3	12.5	15.5	15.1	13.7	11.6	9.9	10.1
Sumy	14.6	0.5	6.1	10.9	14.0	13.8	13.1	12.8	13.9	14.9
Ternopil	9.2	1.8	9.3	11.9	13.2	12.4	11.8	12.0	12.9	14.7
Kharkiv	22.8	0.8	5.1	11.1	15.1	14.3	14.3	13.1	13.0	13.2
Kherson	11.2	0.8	6.0	11.0	14.4	14.4	13.9	12.6	12.8	14.1
Khmelnysk	12.1	1.2	7.5	11.0	12.9	13.0	13.4	13.7	13.2	14.1
Cherkasy	18.2	0.6	6.1	11.6	13.8	13.9	14.7	14.0	13.3	12.0
Chernivtsi	6.6	1.3	7.6	10.9	13.9	13.3	13.4	13.5	12.3	13.8
Chernihiv	10.9	0.6	5.7	11.4	15.1	14.2	13.7	13.2	12.5	13.6
Kyiv city	9.2	0.1	3.0	12.8	18.6	18.2	14.4	10.9	10.7	11.3

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-
Women										
Ukraine	189.5	1.0	6.7	12.3	16.1	15.1	13.9	12.5	12.0	10.4
Vinnitsia	9.9	1.1	6.0	10.7	14.0	14.1	15.3	14.3	14.0	10.5
Volyn	4.8	1.4	9.2	14.1	17.6	16.6	12.5	10.3	8.6	9.7
Dnipropetrovsk	15.6	0.5	5.6	12.6	16.5	15.2	14.3	12.6	12.0	10.7
Donetsk	7.2	0.6	5.8	12.1	15.9	15.1	13.1	12.5	13.3	11.6
Zhytomyr	8.1	1.5	8.3	12.5	14.8	14.9	15.9	13.6	11.2	7.3
Zakarpattia	3.3	1.0	6.1	13.0	16.4	16.0	13.1	11.0	10.7	12.7
Zaporizhia	11.6	0.5	5.6	12.7	18.6	15.5	13.2	11.4	11.8	10.7
Ivano-Frankivsk	5.4	2.8	10.8	14.4	17.3	13.9	11.4	9.5	10.6	9.3
Kyiv	7.3	0.9	6.8	13.4	18.3	15.5	14.2	13.0	11.6	6.3
Kirovohrad	8.7	0.8	6.8	12.1	15.6	14.6	14.5	12.4	12.5	10.7
Luhansk	3.9	0.7	5.3	11.4	15.7	14.8	13.6	13.0	13.0	12.5
Lviv	8.5	1.7	10.4	14.4	17.6	14.3	11.4	10.8	10.1	9.3
Mykolaiv	9.3	1.0	6.1	12.3	17.9	16.8	14.0	11.7	10.9	9.3
Odesa	6.6	1.3	5.0	9.3	15.0	14.8	15.1	14.3	13.6	11.6
Poltava	11.6	0.6	5.7	12.0	15.0	14.5	14.2	13.7	13.6	10.7
Rivne	7.3	2.5	10.3	12.8	16.1	15.4	13.6	11.8	9.3	8.2
Sumy	8.0	0.5	6.3	12.0	14.9	15.0	13.4	12.1	13.1	12.7
Ternopil	4.6	2.6	10.9	13.6	15.3	13.6	11.8	11.0	11.0	10.2
Kharkiv	12.1	0.7	5.4	11.5	16.1	15.5	14.4	12.6	12.4	11.4
Kherson	5.7	0.7	5.8	11.1	14.9	15.1	14.0	12.5	13.6	12.3
Khmelnysk	5.8	1.2	7.5	11.1	13.4	14.2	14.7	14.2	12.8	10.9
Cherkasy	9.4	0.7	6.6	12.3	15.2	14.3	14.4	13.3	13.0	10.2
Chernivtsi	3.2	1.6	7.8	10.9	14.5	14.5	14.0	13.5	12.5	10.7
Chernihiv	6.1	0.6	6.1	12.2	16.0	15.4	14.2	12.4	11.8	11.3
Kyiv city	5.5	0.1	3.3	13.2	18.8	17.7	14.7	10.8	11.5	9.9

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
Men										
Ukraine	164.9	0.9	6.3	11.3	13.8	13.4	13.5	13.3	13.0	14.5
Vinnitsia	10.4	0.8	7.2	11.0	11.7	12.1	14.1	15.0	14.2	13.9
Volyn	3.4	1.2	6.9	11.4	14.5	14.0	13.0	12.5	10.5	16.0
Dnipropetrovsk	11.8	0.7	5.7	11.8	15.5	14.1	13.5	13.4	12.5	12.8
Donetsk	4.6	0.7	5.4	10.7	15.2	14.2	13.2	13.2	12.6	14.8
Zhytomyr	5.8	1.3	7.9	12.2	14.1	13.4	13.7	13.3	12.0	12.1
Zakarpattia	1.9	0.5	4.4	9.2	15.0	17.5	12.7	8.9	9.6	22.2
Zaporizhia	10.1	0.8	6.2	12.4	14.7	13.7	13.3	12.0	13.0	13.9
Ivano-Frankivsk	3.8	1.7	9.0	11.4	12.8	12.8	11.0	10.4	12.2	18.7
Kyiv	6.2	0.7	6.2	11.6	14.6	14.5	14.2	14.7	13.8	9.7
Kirovohrad	8.7	0.9	6.0	11.8	14.0	13.0	14.7	13.8	13.2	12.6
Luhansk	4.4	1.0	5.1	10.1	12.8	13.5	14.5	14.9	13.8	14.3
Lviv	6.0	1.4	8.9	13.2	14.7	13.8	10.9	10.9	10.1	16.1
Mykolaiv	8.5	1.1	6.0	12.9	15.2	14.4	13.8	11.8	12.2	12.6
Odesa	6.8	1.1	5.3	8.9	11.9	13.8	14.7	14.9	14.8	14.6
Poltava	12.4	0.9	6.3	12.5	13.5	12.8	13.2	13.8	13.7	13.3
Rivne	5.7	2.1	8.0	12.0	14.7	14.7	13.9	11.5	10.5	12.6
Sumy	6.6	0.4	5.9	9.7	12.9	12.3	12.8	13.5	14.9	17.6
Ternopil	4.6	1.1	7.6	10.2	11.1	11.2	11.7	13.0	14.9	19.2
Kharkiv	10.7	0.8	4.8	10.7	14.0	12.8	14.2	13.7	13.8	15.2
Kherson	5.5	0.9	6.3	10.9	14.0	13.7	13.7	12.6	12.0	15.9
Khmelnysk	6.3	1.2	7.5	10.8	12.4	11.9	12.3	13.3	13.6	17.0
Cherkasy	8.8	0.5	5.7	10.7	12.4	13.4	15.1	14.7	13.5	14.0
Chernivtsi	3.4	1.0	7.4	10.8	13.4	12.1	12.9	13.4	12.2	16.8
Chernihiv	4.8	0.5	5.2	10.4	14.1	12.7	13.1	14.1	13.4	16.5
Kyiv city	3.7	0.1	2.5	12.3	18.3	18.9	13.9	11.1	9.6	13.3