

# Population and Demography

Metadata

National Bureau of Statistics of the Republic of Moldova (NBS)

## 1. Contact Information

### 1.1. Responsible subdivision within NBS

#### Demographic statistics and population census Division

Demographic statistics section

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## 2. Metadata Update

### 2.1. Last certification of metadata

17.01.2018

### 2.2. Last update of metadata

17.01.2018

## 3. Statistical Presentation

### 3.1. General description

The system of statistical indicators in demography consists of population number and growth indicators, such as, natural movement (vital statistics) and migration movement.

The source of data on population number and demographic processes is the statistical surveys, mainly the population census and the administrative sources.

The natural movement of population is characterized by demographic processes, such as birth, death, marriage, divorce, based on data obtained from the management of integrated information flow (IIF), administered jointly by the Ministry of Justice, Ministry of Health, Ministry of Information Technology and Communications and the National Bureau of Statistics, the institutions responsible for carrying out certain stages of the IIF, the attributes of which are specified strictly in the Joint Order no. 44/347/100 of 11.10.2005.

Elaboration of information on mortality on causes of death is carried out by the National Centre of Health Management of the National Agency for Public Health in line with the International Classification of Diseases (CIM), 10th revision.

Monthly operative data on the number of registered births, deaths, marriages and divorces are presented by the place of registration. These quarterly and annual data are presented by the permanent residence place of the person (for births, by the permanent residence place of the mother).

Migratory movement is characterized by processes of emigration and immigration of the population, based on administrative data owned and provided by the Public Services Agency and the Ministry of

Internal Affairs, based on bilateral agreements on exchange of information between these institutions and the National Bureau of Statistics.

## 3.2. Concepts and definitions

### 3.2.1. Definitions

**Resident population** - number of people residing permanently on the territory concerned, including people who are temporarily absent.

**Number of present population for inter-census years**, is established based on latest census results and data on natural and migration movement between census day and reference year. In determining this number the change in population number following the administrative territorial reorganization is also taken into account.

**Average annual number of resident population** – the arithmetic average of resident population at the beginning of the reference year and beginning of the following year.

**Average annual number of present population** – arithmetic average of present population at the beginning of the reference year and beginning of the following year.

**Born-alive** is the product of conception, expelled or removed completely from the mother's body, independent of pregnancy duration, which, after such separation, shows a sign of life (breathing, heart activity, pulsation of the umbilical cord or muscle contractions dependent on the will).

**Born-alive rank** refers to the numerical order of a born-alive in the total number of live births of the mother.

**Deceased** is the person whose vital functions have ceased completely after a certain time after birth.

**Marriage** is the union between a man and a woman, made according to the law of the country, in order to create a family, leading to rights and obligations between the couple and towards their children.

**Divorce** is the legal dissolution of a marriage concluded by a final decision of the judiciary.

**Migration** - territorial movement of persons, accompanied by change of residence.

**Immigrant** - foreign citizen or stateless person who has obtained the right to settle down permanently or temporarily in the Republic of Moldova.

**Emigrant** - Moldovan national who has left abroad to settle down permanently or temporarily in another state.

**Repatriate** - Moldovan national and / or the person who was born in Moldova and his/her followers, and the person who previously lived continuously in the country for at least 10 years and has the right to settle down permanently in the Republic of Moldova under the law.

**Infant mortality rate** indicates the number of children who died under one year old per 1,000 live births in a reference year

**Total fertility rate** - average number of children given birth by a woman during her fertile life, under conditions of fertility during that year.

**Gross reproduction rate** - average number of girls given birth by a woman who would not be subjected to mortality risk, during her fertile life, under conditions of fertility during that year.

**Life expectancy** – is an estimate of the average number of years a person would live if age specific mortality rates in a reference year remained unchanged throughout his/her life.

**Life expectancy at birth** – number of years which shall be lived in average by those born in this period, if during their life the death rate for every age will be the same as in year of birth.

**Population Ageing ratio** - number of people aged 60 years and above per 100 people.

**Demographic load index** - number of elderly unable to work per 100 people of working age.

**Total demographic dependency ratio** represents the number of children aged less than 15 and elder

people (aged 60 and over) per 100 persons aged 15-59 at the beginning of reference year.

**Young people dependency ratio** – the ratio of young people aged 15-59 years at the beginning of reference year.

**Elderly dependency ratio** – the ratio of elder people aged 15-59 years at the beginning of reference year.

**Age specific mortality rate** – frequency of deaths by ages per 1000 people of a certain age

**Standardized mortality rates** – adjusted rates remove the effect of different structure of population, which allows valid comparisons between two or more populations.

**Natural increase** – the difference between the number of live births and number of deaths during the year.

**Positive natural increase (growth)** – number of live births exceeds the number of deaths.

**Negative natural increase (decrease)** – number of deaths exceeds the number of live births.

**Migration increase** – the difference between the number of immigrants and emigrants in a region.

### 3.2.2. Unit of measure

Data expressed in absolute values: number of people (population by sex, age, births, deaths, marriages, divorces, resident population and present population) are presented in persons or thousands.

The total fertility rate and the Gross reproduction rate are expressed in units of decimal precision.

Natural movement rates are expressed in promilles (‰).

The coefficients (population ageing, demographic load ) are expressed in percent (%).

Some variables (age, life expectancy at birth, marriage duration) are expressed in years.

### 3.2.3. Calculation formula

**Number of population** is calculated by means of a balance equation:

$$P_1 + (N - D) + (I - E) = P_2$$

**Birth rate**

$$n = \frac{N}{\bar{P}} \times 1000,$$

**Mortality Rate**

$$d = \frac{D}{\bar{P}} \times 1000,$$

**Marriage Rate**

$$c = \frac{C}{\bar{P}} \times 1000,$$

**Divorce Rate**

$$div = \frac{Div}{\bar{P}} \times 1000,$$

**Average population number**

$$\bar{P} = \frac{P_1 + P_2}{2}$$

where:

$P_1$  – population number at the beginning of the year;

$P_2$  – population number at the end of the year

- $\bar{P}$  – average population number  
 $N$  – number of births;  
 $D$  – number of deaths;  
 $C$  – number of marriages  
 $Div$  – number of divorces;  
 $I$  – number of immigrants,  
 $E$  – number of emigrants.  
 $N$  – birth rate  
 $d$  – mortality rate  
 $c$  – marriage rate,  
 $div.$  – divorce rate

### **Infant Mortality Rate**

$$RMI = \frac{D_0}{N_0} + \frac{D_1}{N_1} \times 1000$$

where:

- $D_0$  – deaths under 1 year of age, of the number of births during the year for the rate is calculated  
 $D_1$  – deaths under 1 year of age of the total number of births in the preceding year  
 $N_0$  – live births in the year for which the rate is calculated;  
 $N_1$  – live births in the preceding year

**Total fertility rate** - the sum of fertility rates by age groups

$$TFR = n \sum_x {}_N F_x$$

where:

- $TFR$  - total fertility rate  
 $x$  - mother's age at birth;  
 $n$  - length of the age interval;  
 ${}_N F_x$  - specific fertility rates by age group in age range  $(x, x + n)$ ;

### **Population Ageing**

$$\hat{I}m = \frac{P_{60+}}{P} \times 100,$$

where:

- $\hat{I}m$  – population ageing  
 $P_{60+}$  – population aged 60 years and above  
 $P$  – population number;

### **Demographic load or demographic dependency ratio**

$$R_{dep.} = \frac{P_{sub\ vAM} + P_{peste\ vAM}}{P_{in\ vAM}} \times 100,$$

where:

- $R_{dep.}$  -- Demographic dependency ratio  
 $P_{sub\ VAM}$  -- population under the working age  
 $P_{peste\ VAM}$  – population above the working age  
 $P_{in\ VAM}$  – working age population  
 $VAM$  is 16-61 years for men and 16-56 for women

### **Total demographic dependency ratio**

$$DR(t) = \frac{{}_{14}P_0(t) + P_{60+}(t)}{{}_{59}P_{15}(t)} \cdot 100,$$

where:

$t$  – year

$DR(t)$  – total demographic dependency ratio at the beginning of  $t$  year.

${}_{14}P_0(t)$  – number of population aged 0-14 years at the beginning of  $t$  year;

${}_{59}P_{15}(t)$  – number of population aged 15-59 years at the beginning of  $t$  year;

$P_{60+}(t)$  – number of population aged 60 and over at the beginning of  $t$  year;

### **Young people dependency ratio**

$$DR_{0-14}(t) = \frac{{}_{14}P_0(t)}{{}_{59}P_{15}(t)} \cdot 100,$$

where:

$t$  – year

$DR_{0-14}(t)$  – young people dependency ratio of at the beginning of year  $t$ ;

${}_{14}P_0(t)$  – number of population aged 0-14 years at the beginning of year  $t$ ;

${}_{59}P_{15}(t)$  – number of population aged 15-59 years at the beginning of year  $t$ ;

### **Elderly people dependency ratio**

$$DR_{60+}(t) = \frac{P_{60+}(t)}{{}_{59}P_{15}(t)} \cdot 100,$$

where:

$t$  – year

$DR_{60+}(t)$  – elderly people dependency ratio of at the beginning of year  $t$ ;

${}_{59}P_{15}(t)$  – number of population aged 15-59 years at the beginning of year  $t$ ;

$P_{60+}(t)$  – number of population aged 60 and over at the beginning of year  $t$ ;

**Average age of the population** - is established as the arithmetic average of intervals, weighted by the number of people of that age, according to the formula:

$$V = \frac{\sum (x + 0,5) P_x}{\sum P_x}$$

where:

$x$  = age in full years

$P_x$  = population aged  $x$  years

0.5 = constant (half-year, considered the average equivalent of deviations from the exact date of reaching a certain age)

**Age specific mortality rate** - the ratio between the number of deaths in a certain age group in the reference year and the average number of people of the same age.

### **3.3. Used classifications**

Residence, territorial profile (territorial-administrative units): Data are grouped according to the List of administrative units of the Republic of Moldova (CUATM), approved by Moldova-Standard Department

Decision no. 1398-ST of September 03, 2003. Implemented since 03.09.2003.

Causes of death: International Statistical Classification of Diseases, 10th revision of the WHO.

### 3.4. Scope

#### 3.4.1. Sector coverage

Not applicable.

#### 3.4.2. Statistical population

Total population.

#### 3.4.3. Geographical coverage

The information is compiled and disseminated without the data from the left bank of Nistru river and the municipality Bender.

#### 3.4.4. Time coverage

#### Population number

- National: urban, rural areas 1950-2007, by sex and areas 1970-2017, by sex and age 1980-2017
- Development regions: 2006-2017
- Districts: 1980-1999, 2002- 2017
- Municipalities, cities: 1980-2017
- Villages: 1959, 1970, 1979, 1989, 2014 (the date of population census)

#### Natural movement

- National (urban, rural areas): 1940, 1946, 1950-2016
- Districts: beginning with year 1989-2016 (within the boundaries in the corresponding years), except 1999-2002 - counties
- Municipalities, cities: 1989-2016
- Development regions: 2006-2016

#### Migratory movement

- The number of emigrants by age, sex and country of destination: 2000-2016
- Number of immigrants by age, emigration country and purpose of arrival: 1992-2016
- Number of repatriates: 1992-2016

### 3.5. Disaggregation level

#### *Population Number for Inter-Census Years:*

- Number of resident population at the beginning of year (the districts and urban environments)
- Number of people present at the beginning of year (by district, area and locality)
- Number of average annual of resident population (districts, and urban environments)
- Number population by sex and age at the beginning of year (districts and urban environments)
- Number of average annual population by sex and age (districts, and urban environments)

#### *Vital statistics*

##### Tables of birth:

- Live births by legal status and sexes by area and district
- Live births by legal status, sexes and mother's age by area and districts
- Live births by legal status and father's age by area and districts
- Live births by newborn's rank and mother's age by area and districts
- Live births by marriage duration (for mothers giving birth to babies for the first time) by area and districts
- Live births by sex, weight at birth and duration of pregnancy disaggregated by areas and districts
- Live births by parent's age group, disaggregated by areas and districts
- Live births by locality
- Birth rate by areas and districts

#### Mortality tables:

- Breakdown of deaths by sex and year of birth by areas and districts
- Breakdown of deaths by sex and age by areas and districts
- Breakdown of deaths by civil status and age groups by areas
- Infant mortality by sex and age (days and months) disaggregated by areas
- Under five deaths by age and year of birth, disaggregated by areas
- General mortality rate by sexes disaggregated by areas
- Infant mortality rate by sexes disaggregated by areas
- Infant mortality rate by areas and districts
- Under-five mortality rate by sexes disaggregated by areas
- Maternal mortality rate by areas
- Mortality rate by age groups and sex disaggregated by districts
- Deaths by the main cause of death, by age and sex, disaggregated by area
- Deaths by the main cause of death, by sex and districts
- Mortality rate by the main cause of death, by age and sex
- Number of deaths by locality

#### Marriage tables:

- Marriages by the civil status of spouses before marriage by areas
- Marriages by the marital status of spouses before marriage and age group by areas and districts
- Marriages by the age group of spouses (first marriage) by areas
- Marriages by the nationality of spouses by areas
- Number of marriage and spouses' age by areas and districts
- Marriage rate by areas and districts;

#### Divorce tables:

- Divorces by spouses' age group, disaggregated by areas and districts
- Divorces by duration of marriage, disaggregated by areas
- Divorces by the number of children, disaggregated by areas and districts
- Divorces by the nationality of spouses by areas
- Number of the divorce and duration of marriage by area

#### Generalized tables on population's natural movement:

- Data on the natural movement of population by areas
- Breakdowns of births and deaths by nationalities, disaggregated by areas
- Breakdown of births, deaths, marriages and divorces by sex and citizenship, disaggregated by areas

#### ***Migration Statistics***

- Breakdown of immigrants by citizenship, nationality and purpose of arrival
- Repatriates by country
- Emigrants by destination, by gender, age group, marital status, education level
- Migration of population abroad for contract-based employment, by sex, in territorial aspect
- Distribution of refugees, beneficiaries of humanitarian protection and asylum seekers by country of origin, by sex and age groups

#### ***Demographic calculations:***

- Gender population ageing coefficient (by districts and areas)
- The average age of the population by sexes (by districts and areas)
- Demographic dependence per country
- Demographic dependency ratio (by districts)
- Total fertility rate (by districts and areas)
- Gross reproduction rate of population by areas

- Net reproduction rate of the population by areas
- Female fertility by age groups (by districts and areas)
- The average age of the mother at birth (by districts and areas)
- Life expectancy by gender (by districts and areas )
- Life expectancy at birth and certain ages, sex and area
- Standardized mortality rates by causes of death, sex and age groups.

Monthly data on registered births, deaths, marriages and divorces are presented by districts, municipalities and development regions but without the distribution by areas (urban, rural).

Quarterly and annual data are presented by districts, municipalities and development regions with distribution by areas (urban, rural).

### 3.6. Dissemination frequency

Monthly, quarterly, annual.

Monthly data on the number of registered births, deaths, marriages and divorces are presented by place of registration.

Quarterly and annual data are presented by the place of permanent residence of the person (for births, by the permanent residence place of the mother).

### 3.7. Timeliness (dissemination)

Monthly - 15<sup>th</sup> day after the reporting month

Quarterly - 45<sup>th</sup> day after the reporting quarter

Annually:

February – preliminary data on population number at the beginning of the year (by districts, areas and urban sites)

March – preliminary data on population number by certain age groups

April – final data on population number and vital statistics

May – demographic calculations: number of resident population by sex and age at the beginning of the year, birth and mortality tables

June – demographic calculations: average age of population

July – standardized mortality rates

For more details see p.3.5

### 3.8. Revision

Monthly - one month after the reporting month

Quarterly - one month after the reporting quarter

Annual - data disseminated in April-July are final (see p.3.7)

### 3.9. Period of reference

Population: beginning / end of the year, average year

Natural movement: month, quarter, year

Migratory movement: internal migration – quarter, year; international movement – half-year, year

Demographic calculations: year

## 4. Data Collection and Processing

### 4.1. Data source

#### 4.1.1. Statistical surveys

General Population Census



#### 4.1.2. Administrative sources

Data on the natural and migration movement of the population are compiled based on administrative data sources held by the following state institutions:

##### For compilation of data on vital statistics:

- Public Services Agency (PSA)
- National Public Health Agency

##### For compilation of data about migratory movement:

- Public Services Agency (PSA)
- Ministry of Internal Affairs (MIA)

Data on the natural movement of population (birth, death, marriage, divorce) are obtained as a result of integrated management of information flow (IIF), administered jointly by the Ministry of Justice, Ministry of Health, Ministry of Information Technology and Communications and the National Bureau of Statistics, the institutions responsible for carrying out certain stages of the IIF, the attributes of which are strictly stipulated in the Joint Order no. 44/347/100 of 11.10.2005

Information on mortality by causes of death is compiled by the National Centre of Health Management of the National Public Health Agency.

#### 4.1.3. Estimations

Estimates are made by the NBS in calculation of population number:

- *present for inter-census years*, based on latest census results and data on natural and migration movement between census date and reference year
- by territorial-administrative units in total and breakdown by age groups, because of lack of relevant data about internal and external migratory movements of population

### 4.2. Characteristics of the statistical survey

#### 4.2.1. Objective and historical background

##### 1. Population Census

General Population Census is the major statistical operation of forming the information resources that concern the country's population, territorial distribution in conformity with demographic characteristics, socio-economic, national, linguistic, level of education, as well as the housing fund and living conditions of the population.

The Census is one of the most laborious and scale statistical work. This involves mapping the entire country, staff recruitment and training, carrying out a public campaign of information, collecting of individual data, complex processing of data from questionnaires, as well as analysing and disseminating the obtained results.

Population Censuses were conducted in the 1959, 1970, 1979, 1989, 2004 and 2014 years.

The results of the population census from 2014 are posted on the NBS official page <http://www.statistica.md/pageview.php?l=ro&idc=263&id=2208>, <http://www.statistica.md/pageview.php?l=ro&idc=295&>.

Between 12 to 25 May 2014, was carried out the second census from the independence of the Republic of Moldova. The innovation of this census was that in addition to population census, all dwellings were registered, regardless of their occupancy status. PHC 2014 was carried out based on the law No. 90 from April 26, 2012 regarding PHC in 2014, in accordance with the recommendations of the Conference of European Statisticians for RPL, the 2010 round. The organizing and performing the Census was coordinated and monitored by National Commission for Population and Housing Census established by Government Decision no. 967 from December 21, 2012 and headed by Prime Minister of Moldova. On 31<sup>st</sup> of March 2017 were disseminated the final results of PHC on the official page of NBS

<http://www.statistica.md/pageview.php?l=ro&idc=479>.

##### 2. Vital statistics

The existing infrastructure of the system of registration of civil status acts and natural movement of population statistics ensures the management of integrated information flow (IIF), jointly and in close collaboration by the Public Services Agency, National Public Health Agency and the National Bureau of Statistics - institutions responsible for carrying out certain stages of the IIF.

Responsibility for issuing civil status acts (health records confirming birth/death) lies with the NCHM. Responsibility for registration of civil status documents lies with the PSA, while the natural movement of population statistics system - with the National Bureau of Statistics.

Beginning with 1997 till the end of 2014, collection of legal information and statistics on demographic data is based on the following sources: registration documents and statistical bulletins filled in concerning birth, death, marriage, and divorce. New forms for primary statistical record of demographic processes have been developed based on the needs of national statistical data on the natural movement of population.

The introduction of these forms was preceded by a huge organization work, conducted in close collaboration with the National Centre for Health Management of the Ministry of Health and the Ministry of Information Technology and Communications, and the Civil Status Service of the Ministry of Justice.

Particular attention was paid to individual data confidentiality, the statistical authorities ensuring use of data for statistical purposes only.

Beginning with January 1, 2015, the NBS gave up the statistical bulletins on paper and produces statistics on natural movement using only electronic data received from SE "CRIS" Registru " under the Contract and conditions of performance information nr. 159-I of 24 November 2008 between MITC and NBS.

### **3. Migration Statistics**

Under the contract on the mutual exchange of information the National Bureau of Statistics receives from Public Services Agency in the form of tables the information stipulated in the bilateral agreement on population movements both within the country and abroad, with some characteristics of migrants : sex, age, marital status, level of education.

The Ministry of Internal Affairs took over the functions related to issue of invitations, management of the flow of foreigners' entry into the Republic of Moldova, issue and renewal of visas, granting the status of repatriate and immigrant status, as well as functions related to asylum and refugees.

The NBS receives this information quarterly in the form of tables.

#### **4.2.2. Statistical unit**

The unit of registration is the person - all people, residents of the country, people born, died and those who changed residence permanent or temporary residence - are registered.

#### **4.2.3. Circle of units covered in the survey**

The population census and demographic records are made on exhaustive basis.

#### **4.2.4. Survey frequency**

Population Census - as a rule, every 10 years

Current statistics - monthly.

For more details see [p.3.5](#)

#### **4.2.5. Data collection**

##### **1. Population census**

**The method for recording** at censuses is collecting the information in the census questionnaires by interviewers based on the statements of the respondents (of head of household or of other adult) without requiring confirmation documents. Staff census is prohibited to request other information, than those covered by Census. The census of population is made at the habitual residence of persons. The habitual residence is the place in which a person normally spends the daily rest period regardless of temporary absences (for purposes of recreation, holidays, visits to relatives and friends, the businesses, the medical treatment, religious pilgrimages etc.). The habitual residence, usually, is considered in that locality in

which the person spends the most of time, regardless if it coincides or not with the address indicated in the State Register of Population or in other identity document.

In case if one or more household members were missing, information was provided by an adult member of the household. Information about minor children was provided by parents or another adult member of the household. For persons unable to respond / participate in interview, information was provided by the legal representative (tutor, curator).

In order to ensure coverage for all persons at census, in municipalities and cities stationary sections were organized where every adult who did not want to accept the interview in his household or he was not at home during the day, etc., could provide information about himself, about household members and his home to complete the Census questionnaires.

Buildings with collective living spaces in which it is established 'restricted access and people with habitual residence living in these buildings were interviewed by specially interviewers selected by administration of those institutions.

Conscripts, persons in prisons and sorting centres, special groups placed on restricted access areas for civilians, were interviewed by selected staff, recruited by public authorities which manage those institutions.

## **2. Vital and migration statistics**

The existing infrastructure of the **system of registration of civil status acts and natural movement** of population statistics provide the integrated management of information flow (IIF), jointly and in close collaboration by PSA, NCHM and NBS - institutions responsible for carrying out certain stages of the IIF, the functions of which are strictly determined.

Responsibility for issuing civil status documents (medical certificates certifying the birth / death) lies with the NCHM. Responsibility for registration of civil status documents lies with the PSA (CSS), while the natural movement of population statistics system - with the NBS.

NBS is responsible for receiving and verifying compliance of information in the statistical report no. 97 and electronic forms, as well as assess the quality of data received.

### **4.3. Processing and compilation of data**

#### **4.3.1. Data validation**

Data are checked and analyzed for their quality, especially internal and temporal consistency with other data.

In order to control the accuracy of compilation of received information, the NBS verifies the accuracy of the received statistics, such as for example: child's birth date and parents' age correspondence, correspondence of parents' age and date of marriage, age of the person and training level or occupational status, pregnancy duration and child weight at birth, marital status of mother and legal status of the newborn, spouses' age and number of marriages or divorces, etc.

If the NBS finds differences in civil status data presented according to statistical forms (no. 97), they will be reported to the Civil Status Service (CSS) in order to receive explanations and correct the identified inaccuracies.

#### **4.3.2. Compilation/extrapolation of data**

Compiling of data on the number and natural and migratory movements of population is carried out by the NBS, after processing, analysis and validation of data received from administrative data sources.

#### **4.3.3. Adjustments**

No adjustments are made.

#### **4.3.4. Quality assurance**

Quality assurance of statistical data is based on respect for fundamental principles of official statistics approved by the United Nations Economic Commission for Europe in 1992 (and the Statistical Commission / United Nations in 1994) and stipulated in the Law of Moldova on official statistics.

The activity of statistical information production gives paramount importance to high quality data assurance.

To this end, a number of quality assurance measures are taken at each stage of integrated information flow (IIF) management, jointly and in close collaboration by the Ministry of Health, Ministry of Information Technology and Communications and National Bureau of Statistics, institutions responsible for carrying out certain stages of the IIF, the powers which are strictly stipulated in the Joint Order no. 44/347/100 of 11.10.2005.

#### **4.4. Data accuracy**

##### **4.4.1. Non-response rate**

Not applicable.

##### **4.4.2. Sampling errors**

Not applicable.

## **5. Comparability and Coherence**

### **5.1. International comparability**

Statistical data obtained by exhaustive statistical research based on administrative data and in accordance with existing international recommendations, in particular "Principles and Recommendations for civil status statistics - UN" (ST/ESA/STAT/SER.M/19/Rev.3 New York, 2014).

Information on mortality by causes of death is compiled in accordance with International Classification of Diseases (ICD) 10th revision.

Not all UN recommendations on international migration statistics (New York, 1998, Revision 1) related to the methodology of registration of migrants by duration of absence / presence and country of habitual residence are met.

### **5.2. Comparability over the time**

Territorial indicators (particularly by districts) are not fully comparable over time due to administrative - territorial changes. In 1999-2002 statistics by districts are not available, being presented only by county - administrative-territorial units of level 2 existing in this period.

Methodological changes were related to *infant mortality* indicator. Since January 1, 2008, as a result of alignment with European standards on statistics of newborns, children weighing 500 grams and from 22 weeks of gestation have been registered.

(until 01.01.2008 children weighing 1000 grams and above and after the 30th week of gestation were registered). Beginning with January 1, 2015, infant mortality intensity is established based on the number of deaths registered in the analyzed period and number of live-births in the same period of time.

### **5.3. Coherence with other statistics**

Coherence of current statistics (resident and present population) with population census data:

*Differences in concepts:* The population census includes all persons with usual residence (de facto), which may not coincide with the address indicated in the identity card, but the current statistics are based on the registered residency mentioned in the identity card.

## **6. Institutional Mandate (normative-legal basis)**

The NBS activity is based on respecting the Republic of Moldova Constitution, the Law on Official Statistics No. 93 dated 26.05.2017, other legislative and normative acts, NBS management decisions and orders.

The Law on Official Statistics regulates the organization and operation of the unique system of official statistics, establishing the general principles for collecting, processing, centralizing, diminishing, and stocking statistical information (art.1).

Art. 5 of the Law provides that the production of statistical information is based on respecting the

following principles: impartiality, objectiveness, relevance, transparency, confidentiality, cost-efficiency etc.

Being the central statistical body, the National Bureau of Statistics is an administrative authority created under the Government for leading and coordinating the activity in the statistics area.

In line with the Government Decision No. 1034 dated 29.12.11 **on approval of the NBS Regulation and the Nominal Composition of the NBS Collegium, the National Bureau of Statistics:**

- develops alone or jointly with other central administrative authorities and approves the methodologies for statistical surveys, as well as the methodologies for calculating statistical indicators, in line with the international standards, especially the EU standards, and with the advanced practice of other countries, and taking into account the peculiarities of the social-economic conditions of the Republic of Moldova;
- organizes, in line with the Program of Statistical Work, approved annually by the Government, statistics surveys regarding the economic, social, and demographic situation and development of the country, carrying out collection, processing, centralization, stocking, and dissemination of statistical data;

The legislative and normative acts ruling the activity of the NBS are available on its official page [www.statistica.md](http://www.statistica.md), under About NBS (<http://www.statistica.md/pageview.php?l=ro&idc=323&>)

Management of integrated information flow (IIF), jointly and in close collaboration by the Ministry of Health, Ministry of Information Technology and Communications and the National Bureau of Statistics is conducted in compliance with interdepartmental act approved by the institutions concerned Joint Order no. 44/347/100 of 11.10.2005.

## 7. Confidentiality

### 7.1. Principles

According to art. 19 of the Law on Official Statistics No. 93 dated 26.05.2017, producers of official statistics shall take all regulatory, administrative, technical and organizational measures to protect confidential data and prevent their disclosure.

Chapter VII of the above-mentioned law stipulates that the data collected, processed and stored for the production of statistical information are confidential if they allow the direct or indirect identification of the respondents. ) The following shall not be considered confidential:

- a) data that can be obtained from publicly accessible sources according to the legislation;
- b) individual data on address, telephone, name, type of activity, number of employees of legal entities and individual entrepreneurs;
- c) data referring to public enterprises, institutions and organizations funded from the budget, submitted at the request of the public administration authorities.

According to the Law on Official Statistics, art. 20, access to confidential information is granted to the persons who, according to their official functions, participate in the production of statistical information shall have access to individual data in so far as individual data are necessary for producing this information.

The same article stipulates that the access to individual data, which do not allow the direct identification of respondents, may be given for scientific survey projects, whose expected results do not refer to identifiable individual units, under the regulation approved by the central statistical authority.

Art. 23 (5) of the Law stipulates that the the statistical information cannot be disseminated to users if it refers to 1-3 statistical units.

### 7.2. Practical assurance of confidentiality rules

To ensure the protection of confidential statistical data in compliance with the Law on Official Statistics No. 93 dated 26.05.2017, the National Bureau of Statistics undertakes all the regulatory, administrative, technical, and organizational measures to protect the confidential statistical information and prevent its

disclosure.

In compliance with the above-mentioned law, the employees of producers of official statistics, including temporary employees who, according to their official functions, have direct access to individual data shall be obliged to observe the confidentiality of these data during and after termination of employment.

Before being disseminated, the statistical data are verified if they meet the protection requirements set for confidential data. If the statistical data contain confidential information (see p. 7.1), they are not disseminated, but aggregated at the minimum available level which ensures the protection of data confidentiality.

According to Article 12 from the Law no.90 on 2014 Population and Housing Census from April 26, 2012, data from questionnaires are confidential information, which cannot be disclosed and that will be used exclusively for statistical purposes. Data obtained from the census cannot be used for purposes that could bring moral or material prejudice to person or it may prevent the realization of his rights and freedoms. Data processing from census questionnaires is made with the condition that data is mandatory anonymized, ensuring protection against unauthorized access and prevents the theft, loss, distortion or falsification.

Functionaries of central and local public authorities, temporary census staff and other persons which due to their job duties, have access to data from census questionnaires and who admitted loss, disclosure, falsification or contributed to their falsification bear responsibility in accordance with the law (Article 13 of Law 90/2012).

According to this Law, the personnel of official statistical authorities, reviewers, interviewers and others who, according to their duties, have direct access to individual data, are required to maintain their privacy, not to divulge any such information in any form, including after leaving the position they hold, which is recorded in the commitment signed by each employee of NBS.

## **8. Access to Information and Dissemination Format**

### **8.1. Access to information**

#### **8.1.1. Calendar of statistical publications**

Annually the Advance release calendar is developed by NBS.

#### **8.1.2. Access to the calendar of statistical publications**

The press release calendar is posted on the NBS official page [www.statistica.md](http://www.statistica.md).

#### **8.1.3. Access to statistical data**

According to the Law on Official Statistics No. 93 dated 26.05.2017, art. 23:

- a) Producers of official statistics shall be obliged to disseminate the statistical information within the deadlines specified in the programme of statistical works and in the press-release calendar.
- b) The dissemination of statistical information laid down in the programme of statistical works to all categories of users shall be made free of charge and under equal access conditions in terms of volume, quality and time of dissemination

The program of statistical work may be accessed on the web page [www.statistica.md](http://www.statistica.md), under About NBS / legislative and normative acts (<http://www.statistica.md/pageview.php?l=en&idc=323&>)

The NBS web page [www.statistica.md](http://www.statistica.md) represents the most important information source for ensuring users' access to different statistical information and transparency about the NBS activity.

All the operative information, informative notes, time series, as well as the statistical publications developed by NBS are placed on its official web page.

### **8.2. Dissemination format**

#### **8.2.1. Operative information / Analytical notes**

The operative information and analytical notes are published on the official page of NBS: <http://www.statistica.md> under Press Releases, according to the Press Release Calendar.

### 8.2.2. Publications

Publications:

- Natural movement of population (last edition 2016)
- Population and Demographic Processes in the Republic of Moldova (last edition 2009)
- Population of the Republic of Moldova by age and sex in territorial aspect as of January 1 (last edition 2012)
- Women and men (last edition 2012)
- Children of Moldova (last edition 2016)
- other statistical publications: Statistical Yearbook, Territorial Statistics, Statistical pocket-book "Moldova in figures", Women and Men in Moldova, Socio-Economic Situation in Moldova, etc.

Access to publications:

- electronically, on the official website of the NBS [www.statistica.md](http://www.statistica.md) , under the heading Products and services / Publications <http://www.statistica.md/pageview.php?l=en&idc=350&nod=1&> )
- on paper - in NBS library (see more details at <http://www.statistica.md/libview.php?l=en&idc=340&id=2400>)
- or can be purchased at the NBS office (see details on [www.statistica.md](http://www.statistica.md), Publications heading <http://www.statistica.md/pageview.php?l=en&idc=350&id=2219>)

### 8.2.3. Databases/time series

- **Statistical databank** <http://statbank.statistica.md>, under Population and demographic processes .
- **Official page** of NBS: [www.statistica.md](http://www.statistica.md) under: Press releases, Statistics by themes / Population, Products and services/ Publications / Population;
- **Special Dissemination Data Standard (SDDS)**: <http://www.statistica.md/SDDS/NSDP/>

### 8.2.4. Questionnaires/data sent upon request from international organizations

Questionnaires are sent to UN, UNECE, EUROSTAT, CIS.

### 8.2.5. Requests for additional data

NBS makes available for users additional statistical information beyond the data presented in the statistical publications, informative notes, operative information, as well as the data placed on the official web page in the limits of available information, in line with the Law on Official Statistics. Request can be sent personally at the NBS headquarters, by post, by e-mail [moldstat@statistica.gov.md](mailto:moldstat@statistica.gov.md) or via online web form – [www.statistica.md](http://www.statistica.md) heading Products and services / Statistical data request [http://www.statistica.md/solicitare\\_informatii\\_statistice.php?l=en](http://www.statistica.md/solicitare_informatii_statistice.php?l=en).

## 9. Useful References (links)

### 9.1. Accessibility of documentation on methodology

The methodology is available on the official webpage [www.statistica.md](http://www.statistica.md), Metadata heading (<http://www.statistica.md/pageview.php?l=en&idc=351&nod=1&>).

### 9.2. Accessibility of documentation on Evaluation Reports

Evaluation reports are available on the official webpage of NBS [www.statistica.md](http://www.statistica.md) , heading About NBS / Evaluations and opinion polls on NBS / Evaluation reports (<http://www.statistica.md/pageview.php?l=en&idc=399&id=2739>).

### 9.3. Accessibility of information on user surveys

User's opinion polls are available on the official webpage of NBS [www.statistica.md](http://www.statistica.md), heading About NBS / Evaluations and opinions on NBS / Opinion Polls (<http://www.statistica.md/pageview.php?l=en&idc=399&id=2740>).

### 9.4. Other useful references

Special Data Dissemination Standard (SDDS) of <http://www.statistica.md/SDDS/?lang=en>

IMF	
EUROSTAT database	<a href="http://ec.europa.eu/eurostat/data/database">http://ec.europa.eu/eurostat/data/database</a>
The statistical database of the UN Economic Commission for Europe	<a href="http://w3.unece.org/pxweb/Dialog/">http://w3.unece.org/pxweb/Dialog/</a>