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# Population estimates and main demographic indicators

***2024***

The purpose of production of population estimates is to collect the data necessary for the analysis of natural changes of population in Montenegro and municipalities, natality, fertility, and other indicators.

According to the population estimates:

- Number of inhabitants in Montenegro in mid-2024 is 623 525;
- Number of children (aged 0-17) in Montenegro in mid-2024 is 135 474 or 21.7% of the total population, of which 70 282 are male and 65 192 are female;
- Working age population or the population aged 15-64 years is 64.9% of the total population in mid-2024, which is 404 791 inhabitants;
- Population aged 65 and over is 17.0% out of the total population in mid-2024, which is 105 744 inhabitants;
- In Montenegro, on the basis of natural increase per 1 000 inhabitants, the number of population increases for one person;
- The 1 000 population in 2024 made 4.6 marriages, which represents the rate of marriages, and divorce rate is 1.4, which means per 1 000 inhabitants in 2024, 1.4 marriages ended in divorce;
- The rate of migration in Montenegro is 5.2, which means that for each of 1 000 inhabitants 5 persons have changed their place of residence within the borders of Montenegro;
- Life expectancy at birth in 2024 is 77.9 years.

**Table 1.** Main demographic indicators, 2024

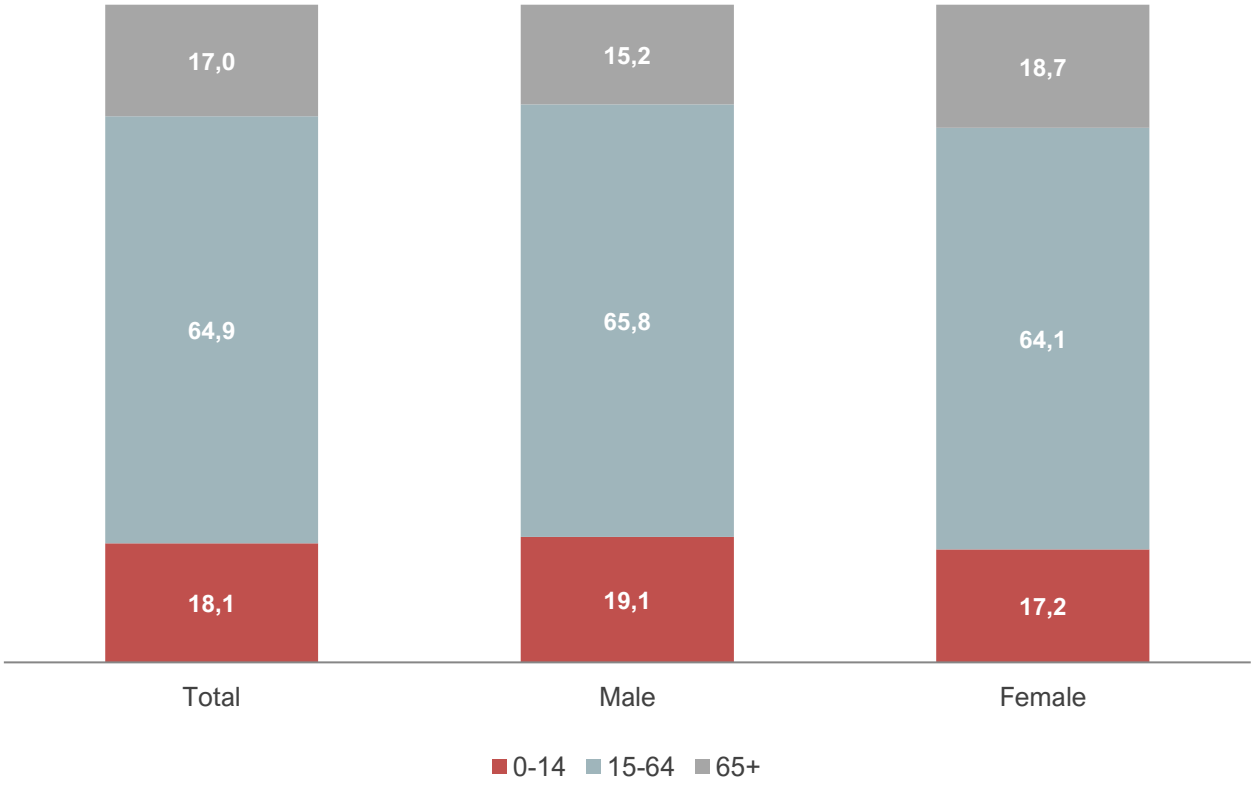
| | | | | | |
|---|---|---|---|---|---|
| Birth rate | 11.2 | Infant mortality rate | 1.6 | Life expectancy - total | 77.9 |
| Death rate | 10.2 | Under-five mortality rate | 2.4 | Life expectancy - male | 75.5 |
| Rate of natural increase | 1.0 | Vital index of birth per 100 deaths | 110.2 | Life expectancy - female | 80.4 |
| Rate of marriages | 4.6 | Masculinity rate of live born | 104.9 | Total fertility rate | 1.8 |
| Rate of divorces | 1.4 | Masculinity rate of live born | 107.8 | Rate of migrations | 5.2 |

## POPULATION ESTIMATES

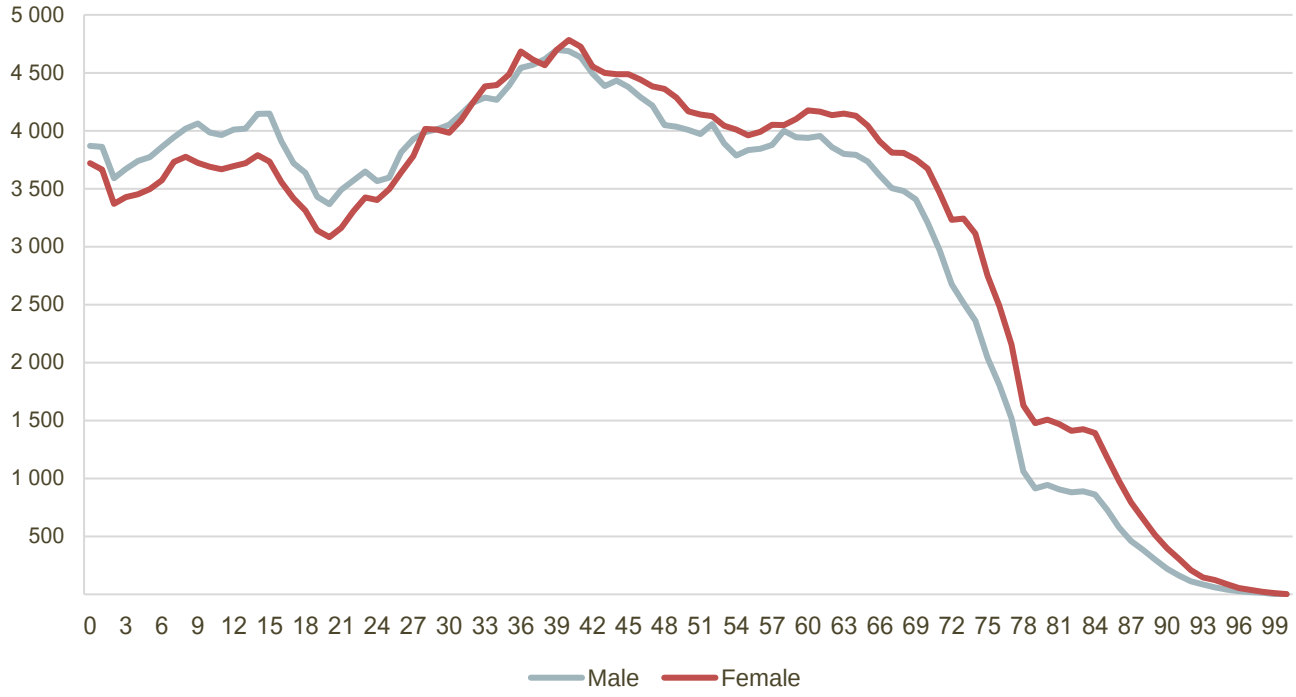
**Table 2.** Population in Montenegro at the beginning, middle, and end of 2024, by age groups

| | 1 January 2024 | | | Mid-2024 | | | 31 December 2024 | | |
|---|---|---|---|---|---|---|---|---|---|
| **Age/sex** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** |
| **Total** | **623 680** | 306 826 | 316 854 | **623 525** | 306 765 | 316 760 | **623 327** | 306 650 | 3166 77 |
| **0-14** | **113 596** | 58 869 | 54 727 | **112 990** | 58 505 | 54 485 | **112 376** | 58 133 | 54 243 |
| **15-64** | **405 908** | 202 319 | 203 589 | **404 791** | 201 771 | 203 020 | **403 657** | 201 191 | 202 466 |
| **65+** | **104 176** | 45 638 | 58 538 | **105 744** | 46 489 | 59 255 | **107 294** | 47 326 | 59 968 |
| **0-17** | **135 561** | 70 364 | 65 197 | **135 474** | 70 282 | 65 192 | **135 378** | 70 191 | 65 187 |
| **18+** | **488 119** | 236 462 | 251 657 | **488 051** | 236 483 | 251 568 | **487 949** | 236 459 | 251 490 |

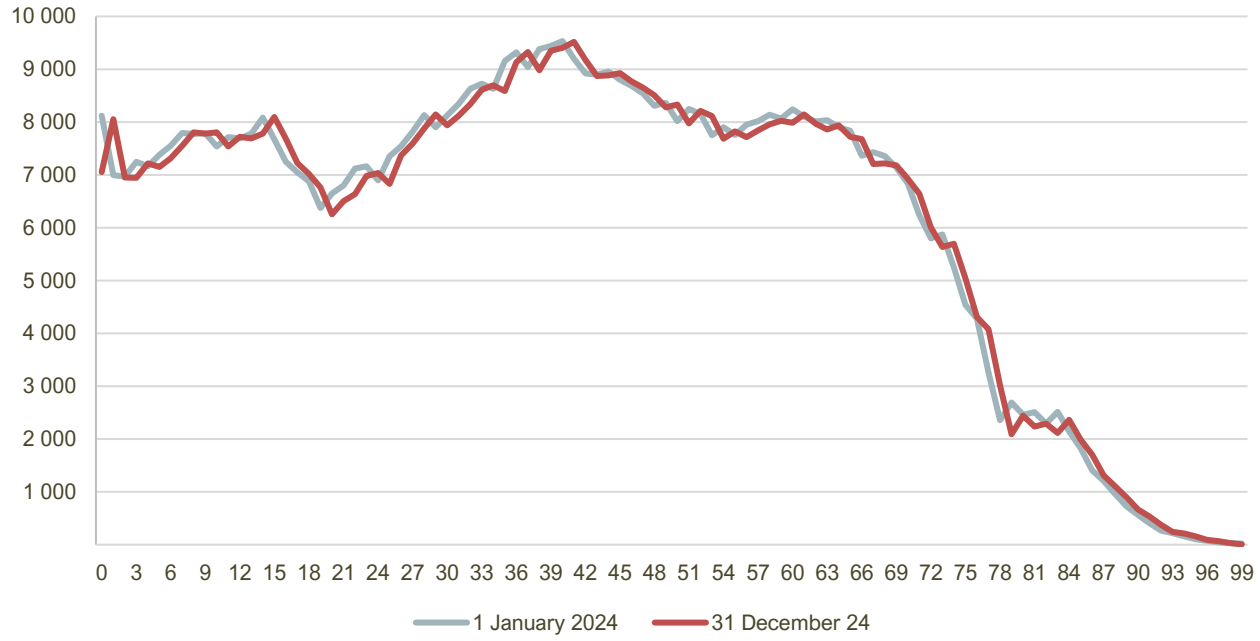
**Graph 1.** Age structure of population in % by sex, mid-2024



**Graph 2.** Population by single age and sex, mid-2024




**Graph 3.** Population by single age, at the beginning and the end of 2024

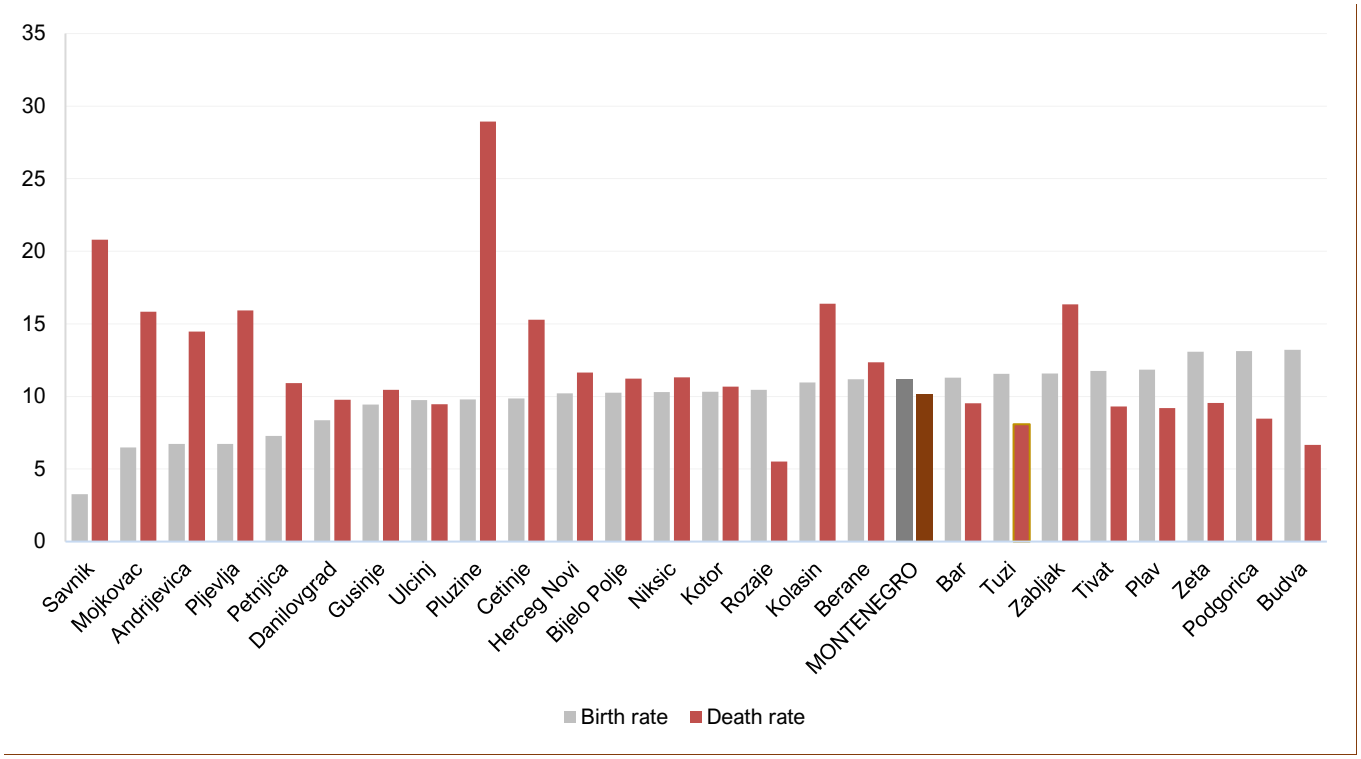


## DEMOGRAPHIC INDICATORS

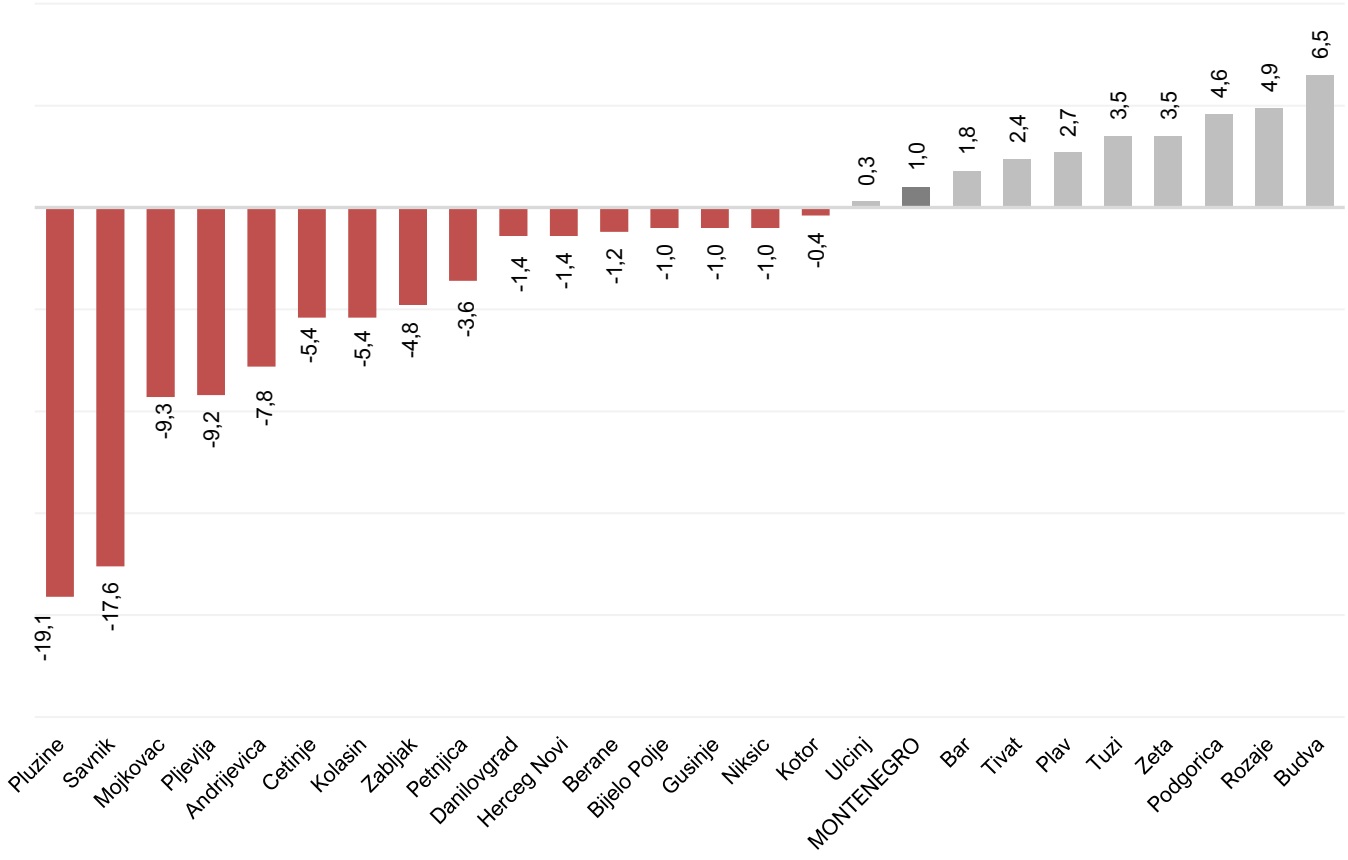
**Table 3.** Indicators of vital statistics, 2024

| | Rate of natural increase | Birth rate | Death rate |
|---|---|---|---|
| **MONTENEGRO** | 1.0 | 11.2 | 10.2 |
| Andrijevica | -7.8 | 6.7 | 14.5 |
| Bar | 1.8 | 11.3 | 9.5 |
| Berane | -1.2 | 11.2 | 12.4 |
| Bijelo Polje | -1.0 | 10.3 | 11.2 |
| Budva | 6.5 | 13.2 | 6.7 |
| Cetinje | -5.4 | 9.9 | 15.3 |
| Danilovgrad | -1.4 | 8.4 | 9.8 |
| Gusinje | -1.0 | 9.4 | 10.5 |
| Herceg Novi | -1.4 | 10.2 | 11.6 |
| Kolsin | -5.4 | 11.0 | 16.4 |
| Kotor | -0.4 | 10.3 | 10.7 |
| Mojkovac | -9.3 | 6.5 | 15.8 |
| Niksic | -1.0 | 10.3 | 11.3 |
| Petnjica | -3.6 | 7.3 | 10.9 |
| Plav | 2.7 | 11.8 | 9.2 |
| Pljevlja | -9.2 | 6.7 | 15.9 |
| Pluzine | -19.1 | 9.8 | 28.9 |
| Podgorica | 4.6 | 13.1 | 8.5 |
| Rozaje | 4.9 | 10.4 | 5.5 |
| Savnik | -17.6 | 3.3 | 20.8 |
| Tivat | 2.4 | 11.7 | 9.3 |
| Tuzi | 3.5 | 11.5 | 8.1 |
| Ulcinj | 0.3 | 9.8 | 9.5 |
| Zabljak | -4.8 | 11.6 | 16.3 |
| Zeta | 3.5 | 13.1 | 9.5 |

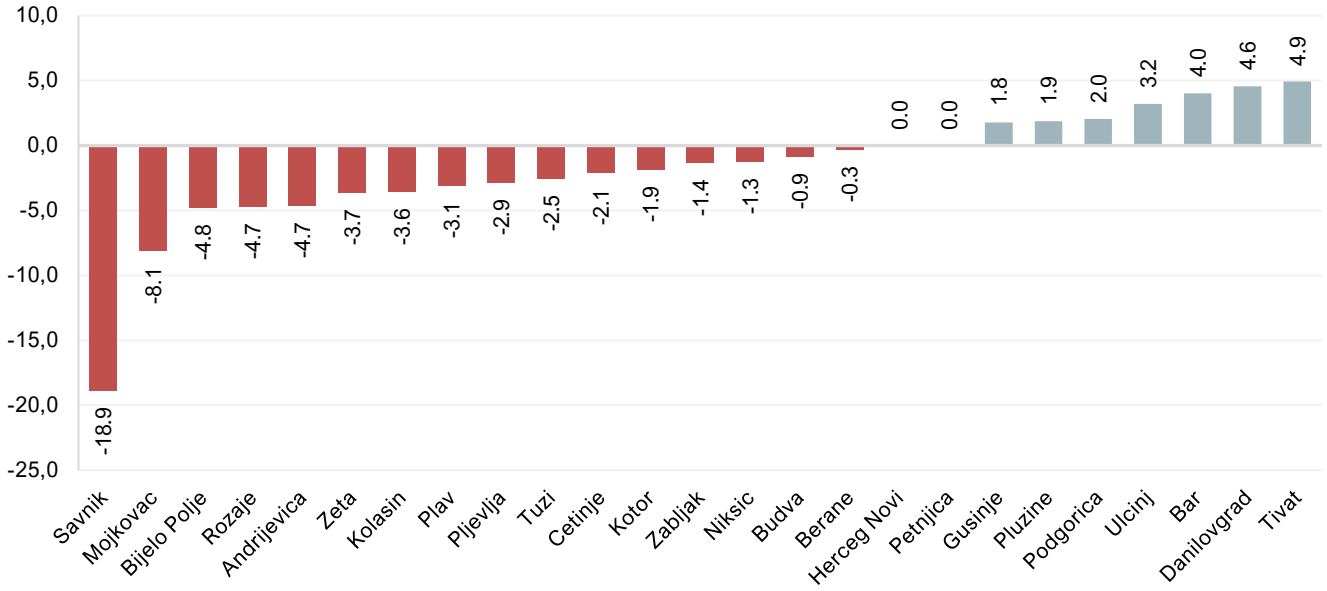
**Graph 4.** Birth and death rate by municipalities, 2024



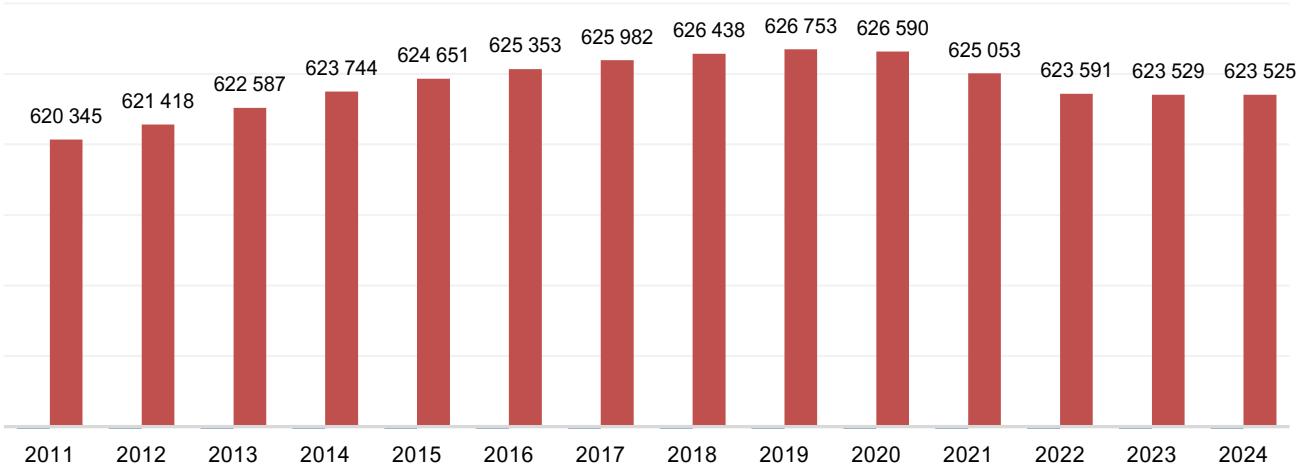

**Graph 5.** Rates of natural increase by municipalities, 2024



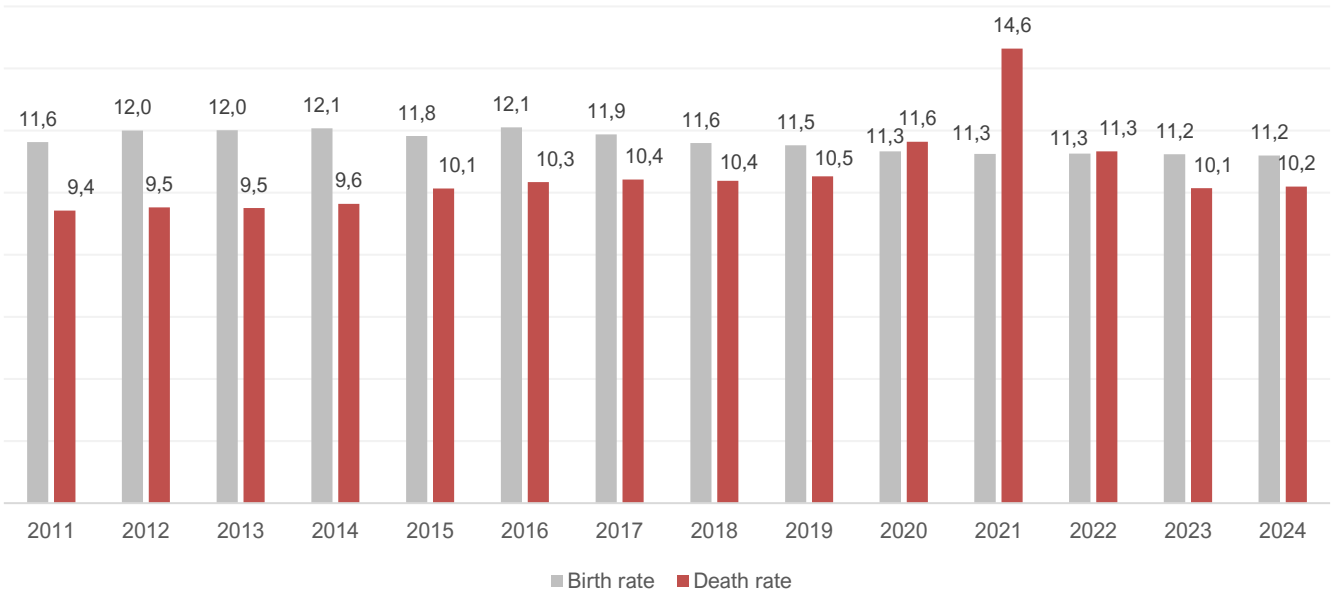
**Graph 6.** Rates of migration balance by municipalities, 2024




**Graph 7.** Estimated population of mid-year for the 2011 - 2024 period




**Graph 8.** Birth and death rate for the 2011 - 2024 period



## METHODOLOGICAL NOTES

### Estimated population

Estimated number of population refers to the beginning. middle. and end of the year. Mid-year data are used in the calculation of demographic indicators. as well as for reporting to the United Nations. On the other hand. the population at the beginning is requested by Eurostat.

Population according to the census is a basis for the annual estimation of the population. This number is corrected according to the results of vital statistics (natural increase) and migration flows. The results of vital statistics are recorded through the natural increase. In case of a positive natural increase population increases. in the case of a negative natural population increase. population decreases. Migration movements of population within Montenegro are considered and affect the population estimates at the level of municipalities. When estimating the population. it is assumed that the international migration is a constant number which is calculated on the basis of the 2024 Census. then the natural growth for the period 2011 – 2024. as well as the 2011 Census. Using these sources. so called profile of international net migrants per sex and age for a period of one year is calculated. This profile is used as a statistical adjustment in the period between censuses. The aim of applying the methods of statistical adjustment for population estimates is the need to show a real number of inhabitants at the annual level.

### Demographic indicators

Based on the estimated number of the population. the number of births. deaths. marriages. and divorces. as well as data on internal migration. following demographic indicators are calculated:

**Birth rate** is the ratio number of live births and estimated number of mid-year population. expressed in pro mille (per 1000 inhabitants).

**Death rate** is the ratio of number of deaths and estimated number of mid-year population. expressed in pro mille (per 1000 inhabitants).

**Natural increase rate** is the ratio of natural increase and estimate number of mid-year population. It is expressed in pro mille (per 1000 inhabitants).

**Marriage rate** is the ratio of number of marriages and estimate number of mid-year population. It is expressed in pro mille (per 1 000 inhabitants).

**Divorce rate** is the ratio of divorces and estimated number of mid-year population. It is expressed in pro mille (per 1000 inhabitants).

**Infant death rate** is the ratio of number of dead infants and live born children expressed in pro mille (per 1 000 live born).

**Child death rate under 5 years** of age is the ratio of child deaths at age up to 5 years. and expressed in pro mille (per 1000 live born).

**Vital index** is the ratio of live births to 100 deaths.

**Masculinity rate** is the ratio of number of males per 100 females in observed events.

**Total fertility rate**. **i.e. total number of live births per one woman**. i.e. the sum of appropriate specific fertility rate. is calculated for the age interval from 15 to 49 by five-year period.

**The rate of migration balance** is the ratio of annual net migration on the estimated mid-year population. The rate of migration balance can be obtained as the difference between immigration rates and emigration rates (per 1000 inhabitants).

When using the data, state:
"Data source: Statistical Office - MONSTAT"

***More data, as well as detailed methodological notes can be found in the section: Population estimations***

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