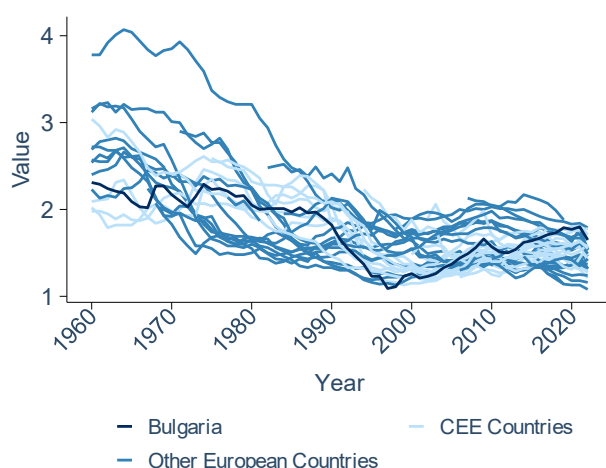


Demographic challenges for the Bulgarian economy

Kaloyan Ganev, Elitsa Dimitrova, Georgi Kamburov, Georgi Kocharkov, Plamen Nenov, Ralitsa Simeonova-Ganeva

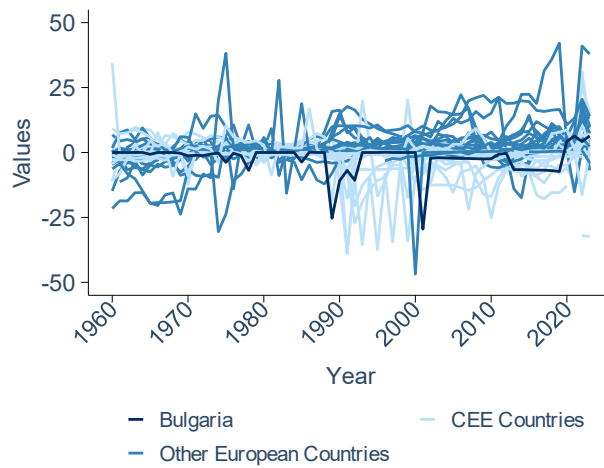
Appendix

A1. Crude birth rate



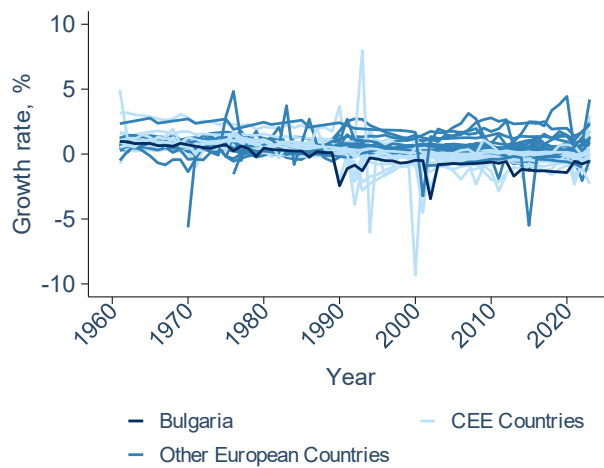
Source. The crude birth rate is defined as the ratio of the number of live births in a year to the average population size in the same year (per 1000 people).

A2. Net migration rate



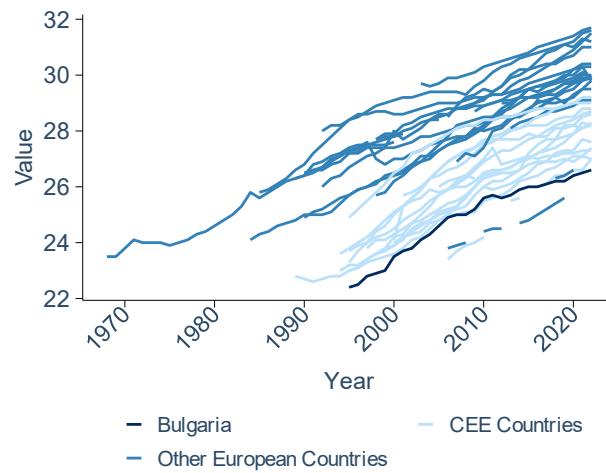
Source: NSI, Eurostat and own calculations. The net migration rate is calculated as the difference between the total change and the natural increase in population.

A3. Population growth



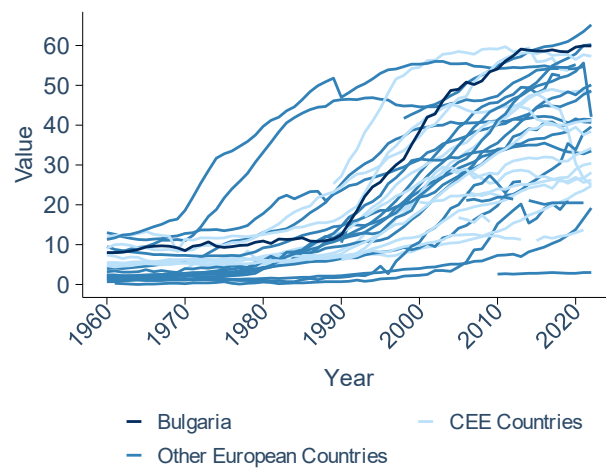
Source: NSI, Eurostat and own calculations.

A4. Average age at birth of first child



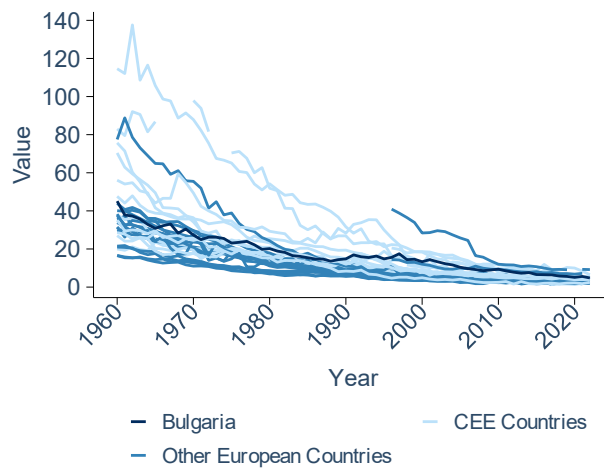
Source: NSI, Eurostat and own calculations.

A5. Share of children born outside of marriage



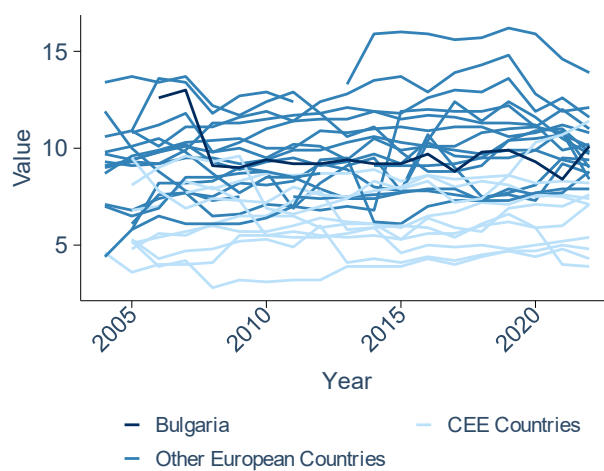
Source: NSI, Eurostat and own calculations.

A6. Infant mortality rate



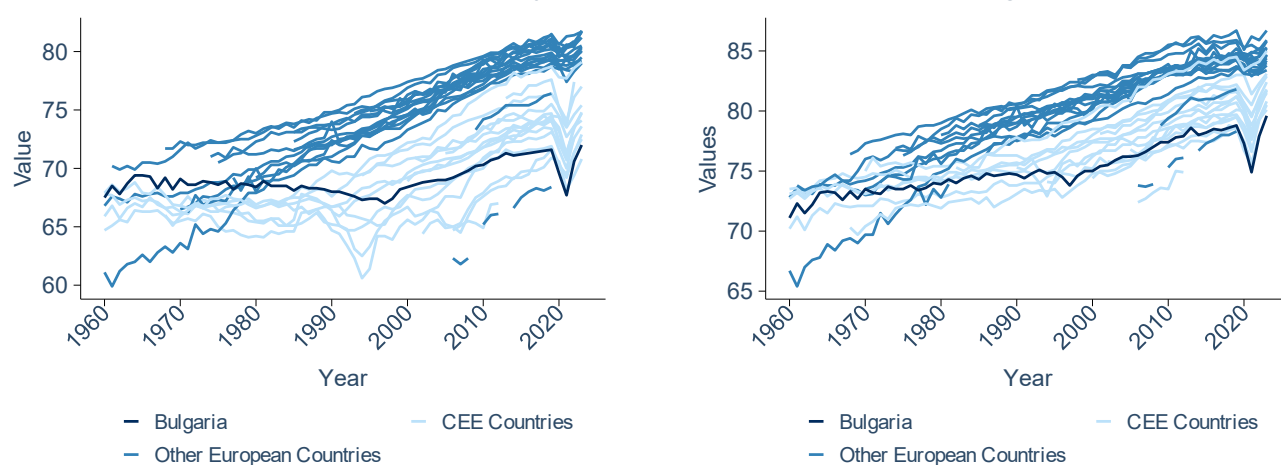
Source: NSI, Eurostat and own calculations.

A7. Healthy life years at the age of 65



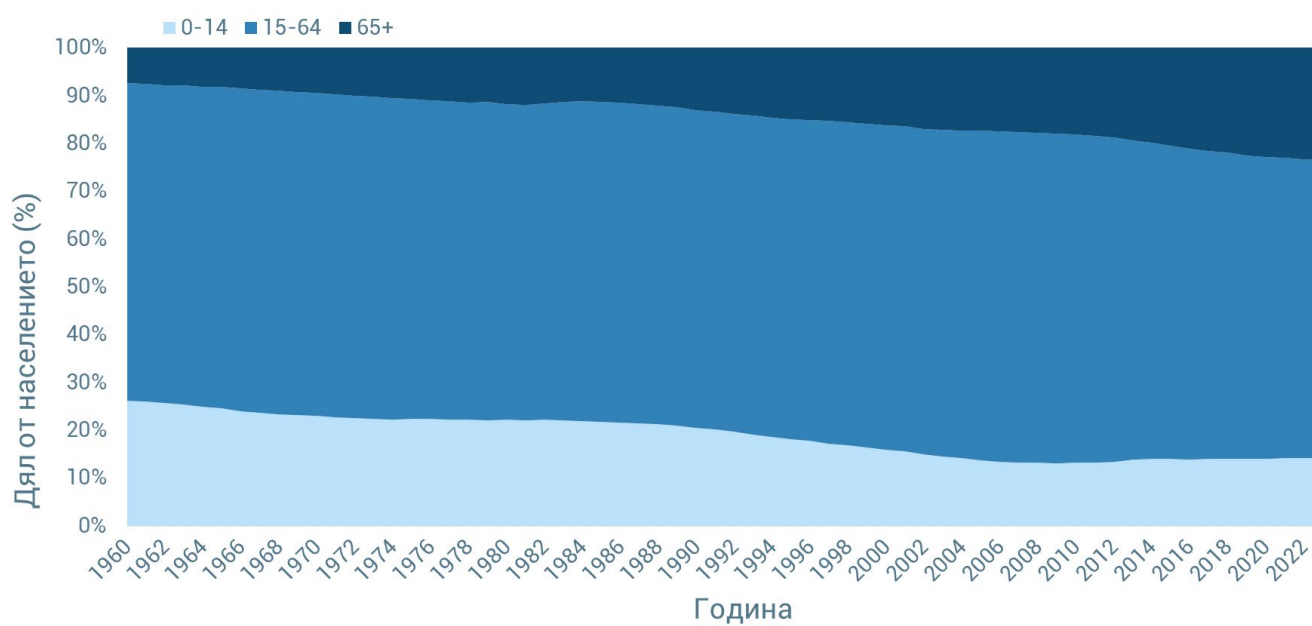
Source: NSI, Eurostat and own calculations. The indicator measures the number of years a person aged 65 is expected to live in good health.

A8. Life expectancy for men (left panel) and women (right panel).



Source. Life expectancy is defined as the average number of years a newborn child can expect to live if it follows current age-specific mortality probabilities throughout its lifetime.

A9. Population structure in Bulgaria (by age groups).



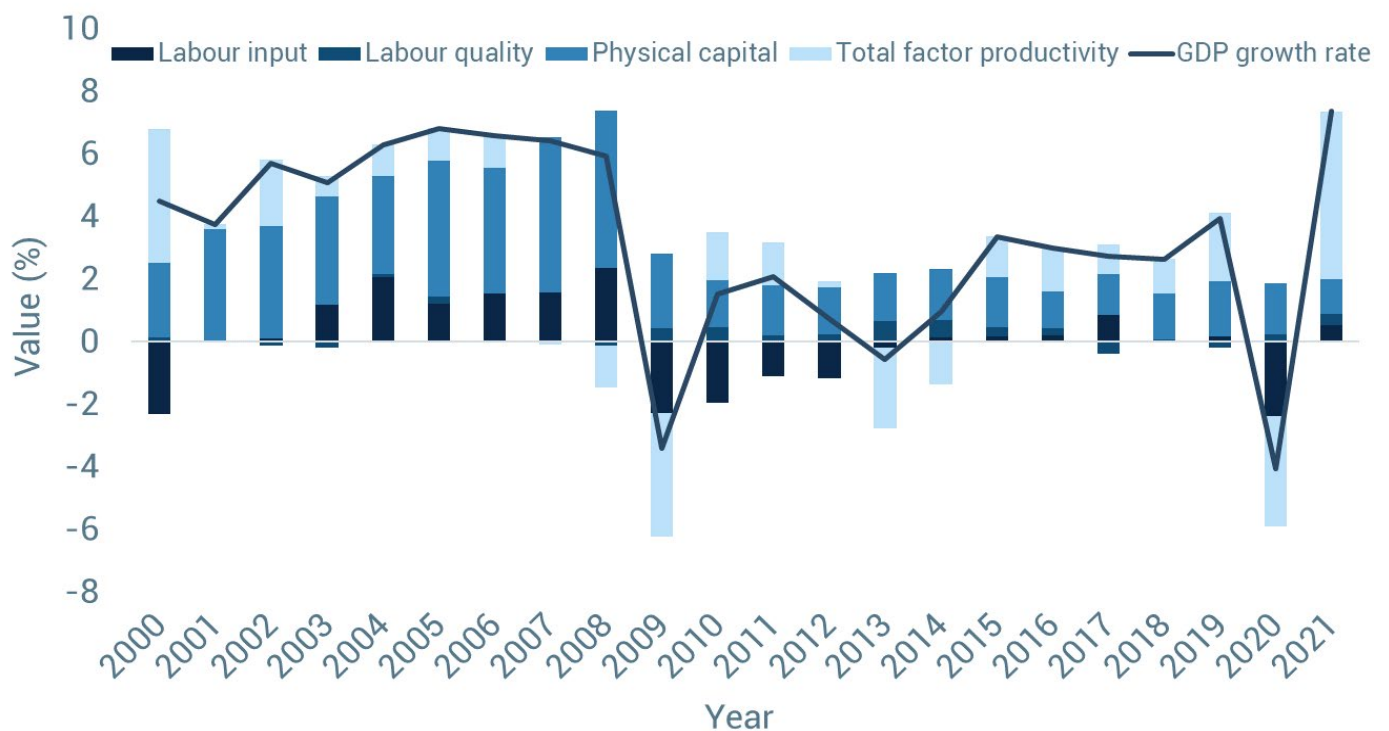
Source. NSI and Eurostat.

A10. Dependency ratio projections.



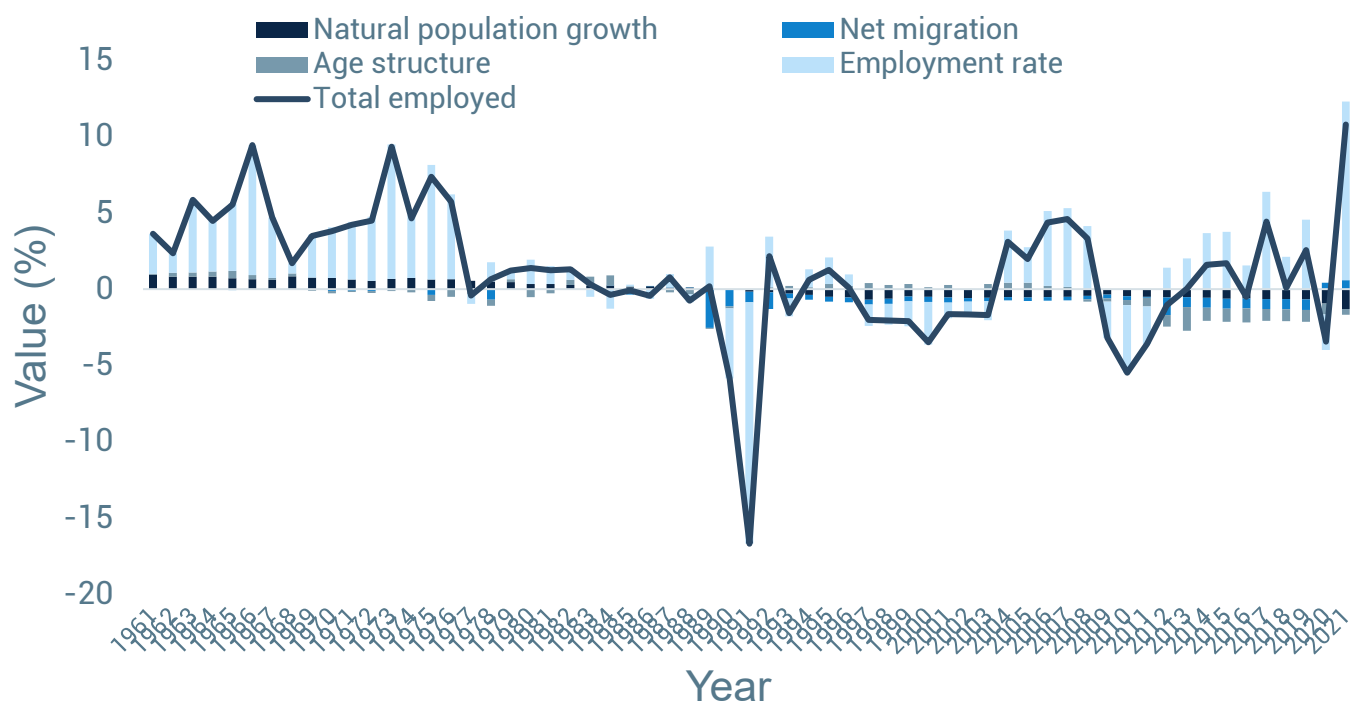
Source. The overall age dependency ratio is the ratio of the sum of the number of young people and the number of older people at an age when both groups are usually economically inactive (i.e. under 15 and 65 and over) to the number of people of working age (i.e. 15-64). Population projections are from various editions of the UN World Population Prospects. The projections are based on an average fertility rate scenario.

A11. Decomposition of economic growth in Bulgaria, 2000-2021.



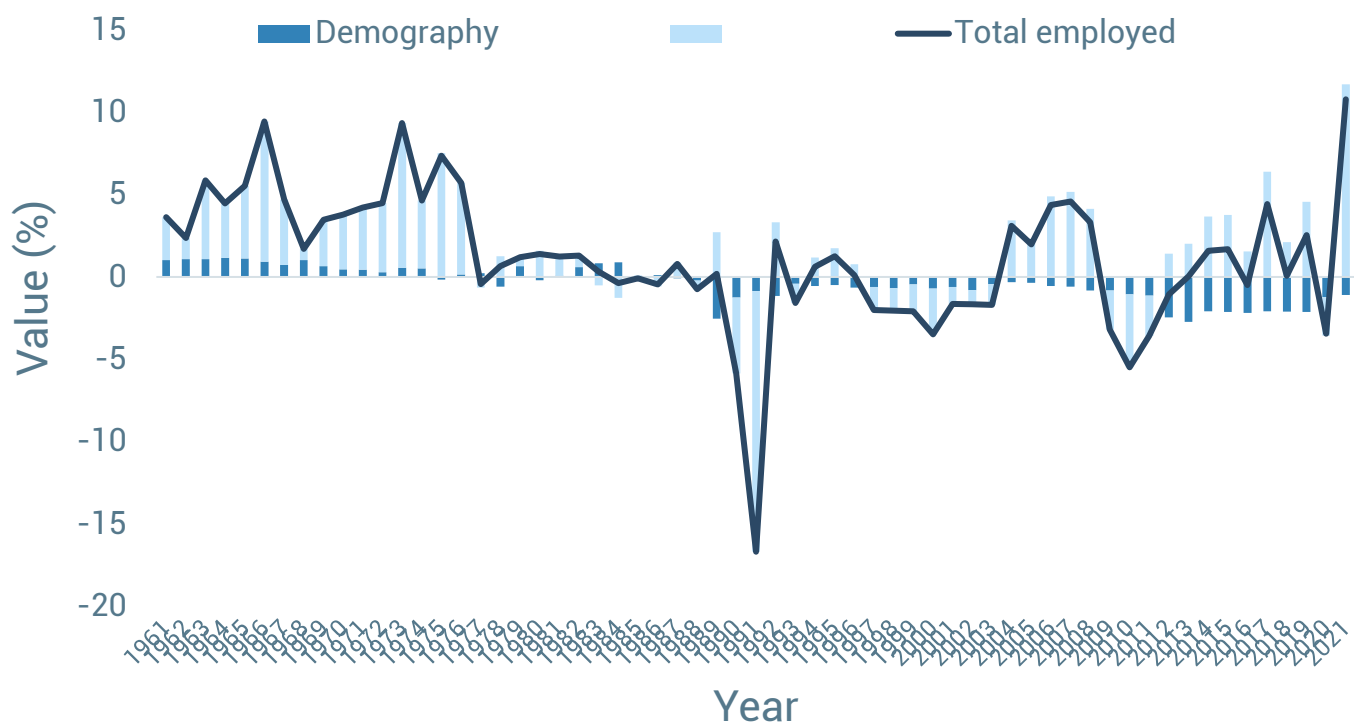
Source: Conference Board and own calculations.

A12. Decomposition of labour input in Bulgaria, 1961-2021.



Source: Conference Board and own calculations. Labour resources are measured by the total number of persons employed in a year.

A13. Decomposition of labour input in Bulgaria, 1961-2021.



Source: Conference Board and own calculations. Labour resources are measured by the total number of persons employed in a year.