

## Demographic Factor in Ensuring Sustainable Development of the Western Region of the Republic of Kazakhstan

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**Abstract :** The article analyzes the development of demographic processes in four regions of the Western region of the Republic of Kazakhstan (Aktobe, Atyrau, West Kazakhstan, and Mangystau) for the period from 2000 to 2022. This study uses theoretical and methodological analysis of scientific literature, methods of comparative, statistical analysis, GIS methods, grouping and systematization, index method and structural analysis. The research identified regional characteristics, development trends, and disproportions in the population of the studied areas within the framework of sustainable demographic development. The population dynamics, the age-sex structure of the population, life expectancy, natural movement of the population, including maternal and infant mortality, are considered as important indicators of the region's sustainability. The features of migration processes in the Western region of Kazakhstan and the factors that determine them are identified. Conclusions are drawn about the level of sustainable development of the population of the studied region based on demographic processes. The results obtained will provide scientific, methodological and information support in the sectors of economics and science, including the preparation of socio-economic development programs and the development of scientific research using GIS.

**Keywords :** sustainable development, demographic processes, Western Region, Republic of Kazakhstan, population structure, natural population movement, migration

**Conference Title :** ICPD 2023 : International Conference on Population and Development

**Conference Location :** Barcelona, Spain

**Conference Dates :** December 18-19, 2023