

A Study of the Differences in the Population Migration Trend Obtained from the Population Census and the Basic Resident Registration: Considering the Possibility of Using the Trend Information in Regional Population Projections

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There has been an increasing interest in population statistics mainly among local governments primarily because it is necessary to present regional population projections in the "Regional Population Vision" established in association with the "Regional Revitalization" strategy that started at 2014. In light of these circumstances, this study discusses the differences in the migration trend obtained from the population census ("census population") and the basic resident registration ("registration population"), while considering the possibility of using the trend information in regional population projections.

A comparison between the "census population" and the "registration population" of 2015 by prefecture and by a five-year age group indicated that the rate of difference was greater mainly in people from their late teens to their early twenties, among whom migration is prominent, suggesting the difference in the nature between *de jure* population statistics and registration population statistics. Additionally, when the migration trend was compared among multiple age groups by using the age group 10-14 in 2010 as the starting point and accumulating the cohort change ratios from 2010 to 2015, it was revealed that the difference was the greatest in the age of early twenties and that it became substantially smaller in the age of late twenties and early thirties. However, this does not mean that the differences in the migration trend are eliminated at these ages; the differences were somewhat greater in some regions among the higher age groups. When the migration trend obtained from the "registration population" is used in population projections based on the "census population," it is necessary to consider the differences in the migration trend by region, gender, and age that was observed in the two types of statistics.

Keywords: "census population", "registration population", migration trend, regional population projections