Workforce will decline by over 50% in half of the Prefectures by 2040
- The Effects of Rapid Aging will extend to Urban Areas

JCER Middle Term Regional Economic Forecast Team
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Key Points

1. Based on the 2010 national population census figures, and taking into account the effects of the Great East Japan Earthquake, we developed population projections by prefecture for the years 2011-2040. Japan’s population is expected to hit 106.1 million by 2040, declining by over 20 million people from 2011 levels. The “Dependent Population Index”, calculated as the proportion of the young (0-14) and elderly (65 and over) population to the working age (15-64) population, will rise to 85%.

2. The rate of population decline will accelerate in all prefectures apart from Tokyo. The dependent population index will exceed 100% in 23 prefectures by 2040, and the effects of rapid aging will extend to urban areas. Tokyo will become the only prefecture that will maintain population growth for the next 30 years; however, like other urban areas (e.g. Osaka and Aichi), it will experience a surge in the elderly population.

3. The three most affected prefectures by the Earthquake – Iwate, Miyagi and Fukushima, were already facing issues of population decline prior to the disaster. If reconstruction effects progress and evacuees are able to return, the effects of the Earthquake on the population of the three prefectures will be limited.

* Guest trainee contributor from the San-In Godo Bank
The Working Age Population Proportion will decline in all Areas of Japan

The Elderly Population Ratio will Rise as the Total Population Shrinks

(Reference) Ministry of Internal Affairs and Communications “2011 Population Projection”
## Population Projections by Region

*(Population in 1,000s, %)*

<table>
<thead>
<tr>
<th>Region</th>
<th>2010</th>
<th>2011</th>
<th>2020</th>
<th>2030</th>
<th>2040</th>
<th>Average Annual Growth Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>Total</td>
<td>128,057</td>
<td>127,720</td>
<td>123,545</td>
<td>115,828</td>
<td>106,101</td>
<td>-0.3</td>
</tr>
<tr>
<td>Hokkaido/Tohoku</td>
<td>17,217</td>
<td>17,061</td>
<td>15,601</td>
<td>13,702</td>
<td>11,666</td>
<td>-0.9</td>
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<tr>
<td>Kanto</td>
<td>45,620</td>
<td>45,604</td>
<td>45,908</td>
<td>44,905</td>
<td>42,962</td>
<td>0.0</td>
</tr>
<tr>
<td>Chubu</td>
<td>18,181</td>
<td>18,142</td>
<td>17,525</td>
<td>16,411</td>
<td>15,006</td>
<td>-0.2</td>
</tr>
<tr>
<td>Kinki</td>
<td>20,903</td>
<td>20,864</td>
<td>20,045</td>
<td>18,594</td>
<td>16,794</td>
<td>-0.2</td>
</tr>
<tr>
<td>Chugoku</td>
<td>7,563</td>
<td>7,532</td>
<td>7,045</td>
<td>6,367</td>
<td>5,614</td>
<td>-0.4</td>
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<td>Shikoku</td>
<td>3,977</td>
<td>3,951</td>
<td>3,598</td>
<td>3,151</td>
<td>2,682</td>
<td>-0.7</td>
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<tr>
<td>Kyushu</td>
<td>14,597</td>
<td>14,566</td>
<td>13,823</td>
<td>12,698</td>
<td>11,375</td>
<td>-0.2</td>
</tr>
</tbody>
</table>

(Note) Regional groupings of prefectures are as follows:
Hokkaido/Tohoku (Hokkaido, Aomori, Iwate, Miyagi, Akita, Yamagata, Fukushima, Niigata)
Kanto (Ibaraki, Tochigi, Gunma, Saitama, Chiba, Tokyo, Kanagawa, Yamanashi, Nagano)
Chubu (Toyama, Ishikawa, Fukui, Gifu, Shizuoka, Aichi, Mie)
Kinki (Shiga, Kyoto, Osaka, Hyogo, Nara, Wakayama)
Chugoku (Tottori, Shimane, Okayama, Hiroshima, Yamaguchi)
Shikoku (Tokushima, Kagawa, Ehime, Kochi)
Kyushu (Fukuoka, Saga, Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima, Okinawa)

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