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## 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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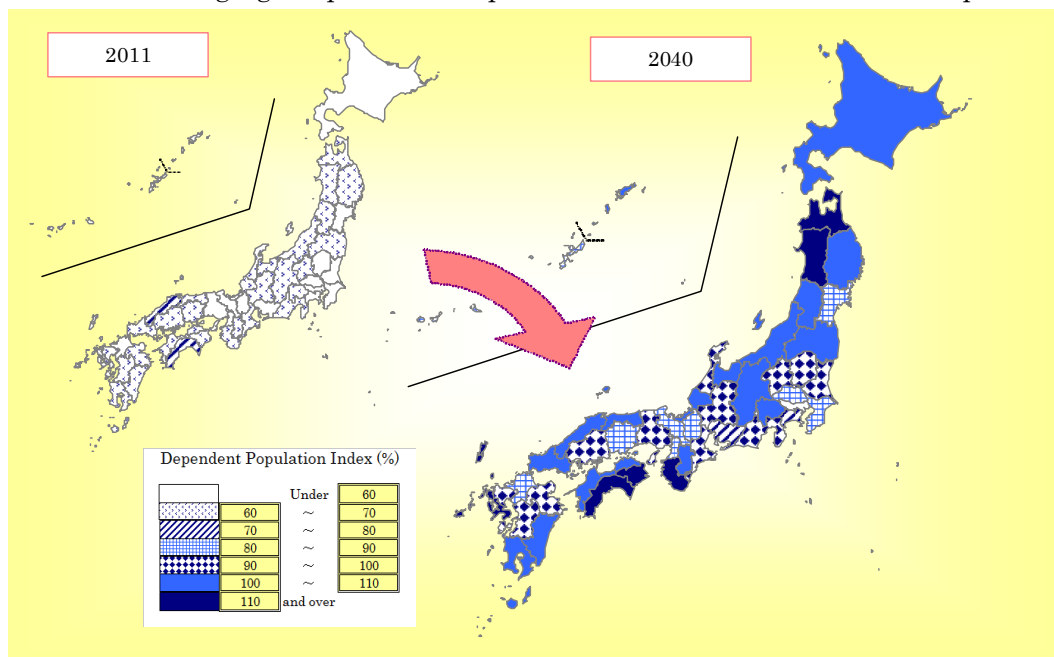
### Key Points

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.

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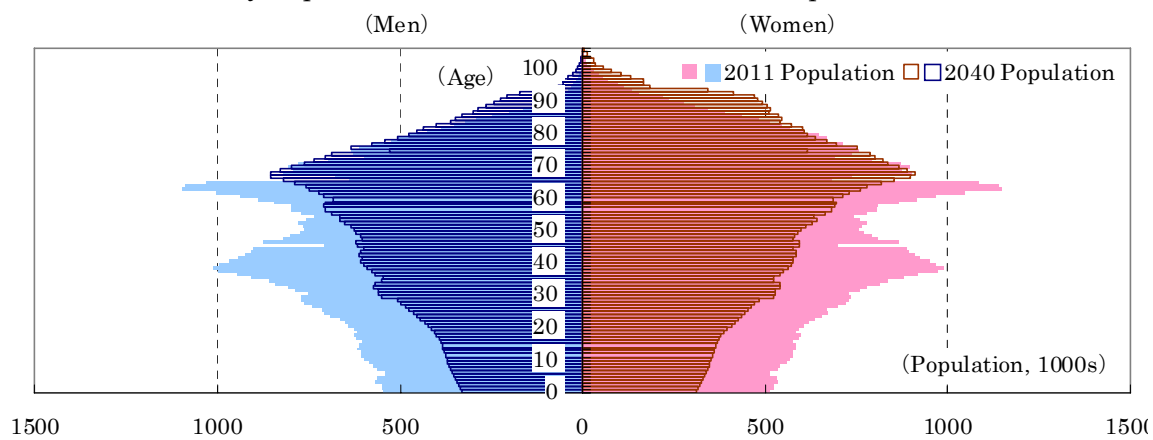
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The Working Age Population Proportion will decline in all Areas of Japan



(Reference) Ministry of Internal Affairs and Communications “2011 Population Projection”

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, %)

Region \ Year	Year					Average Annual Growth Rate			
	2010	2011	2020	2030	2040	2010 -2011	2011 -2020	2020 -2030	2030 -2040
Total	128,057	127,720	123,545	115,828	106,101	-0.3	-0.4	-0.6	-0.9
Hokkaido/Tohoku	17,217	17,061	15,601	13,702	11,666	-0.9	-1.0	-1.3	-1.6
Kanto	45,620	45,604	45,908	44,905	42,962	0.0	0.1	-0.2	-0.4
Chubu	18,181	18,142	17,525	16,411	15,006	-0.2	-0.4	-0.7	-0.9
Kinki	20,903	20,864	20,045	18,594	16,794	-0.2	-0.4	-0.7	-1.0
Chugoku	7,563	7,532	7,045	6,367	5,614	-0.4	-0.7	-1.0	-1.3
Shikoku	3,977	3,951	3,598	3,151	2,682	-0.7	-1.0	-1.3	-1.6
Kyushu	14,597	14,566	13,823	12,698	11,375	-0.2	-0.6	-0.8	-1.1

(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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