

Demographic Trends in Japan and the Future of Life Insurance

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Demographic Trends in Japan

Effects of Declining Birthrate and Aging Society on Life Insurance

Business Case Studies of Declining Birthrate and Aging Society in Japan



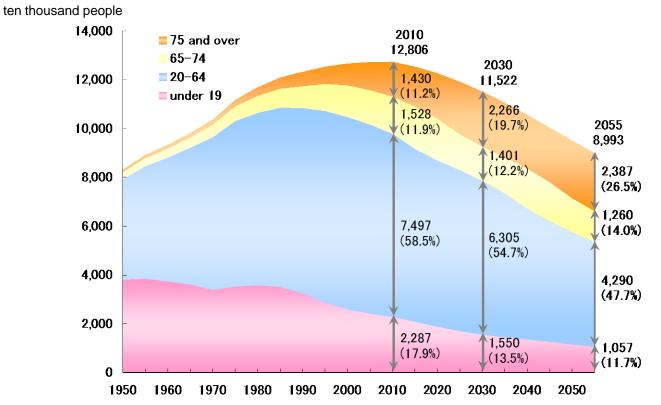
Demographic Trends in Japan

³ Population Trends



- Japan faces a dramatic population decrease due to the declining birthrate and aging population
 - Japan's population will have shrunk by 30% by 2055
 - People aged 65 and older will account for 40% of the total population

Fig. Actual and projected population of Japan by age, 1950-2055



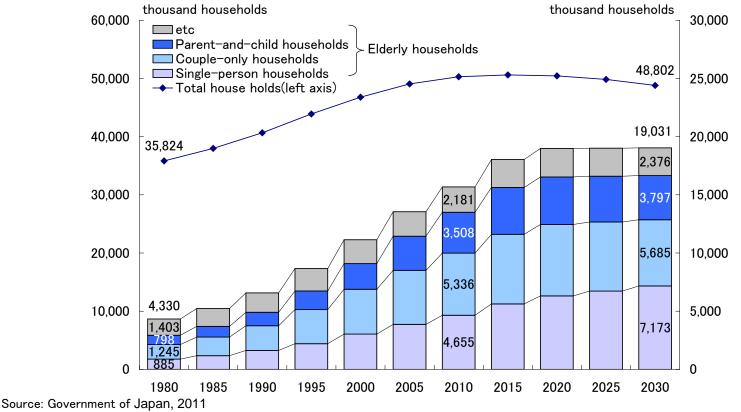
Source: National Institute of Population and Social Security Research, 2011, Ministry of Internal Affairs and Communications in Japan, 2010

4 Population Trends



- Elderly households will account for 40% of the total households in Japan in 2030
- Single elderly households have been increasing

Fig. Actual and projected number of total households (left axis) vs. elderly households broken down by household type (right axis) in Japan,1980-2030

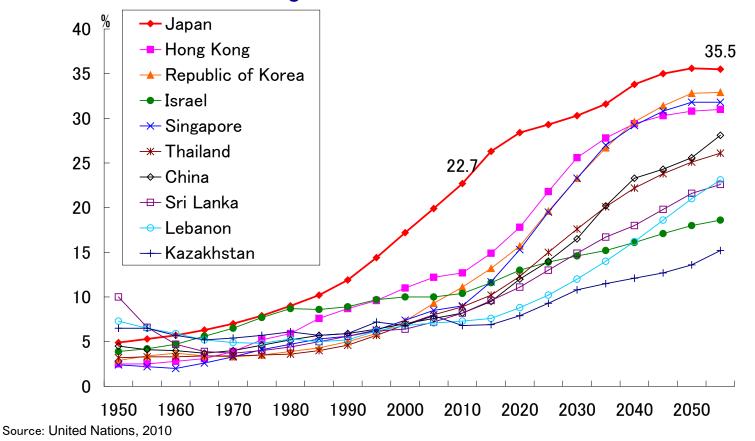


5 Population Trends



Japan has the highest percentage of elderly people in Asia

> Fig. Actual and projected percentage of elderly people in Asia : the 10 highest countries in 2010, 1950-2055

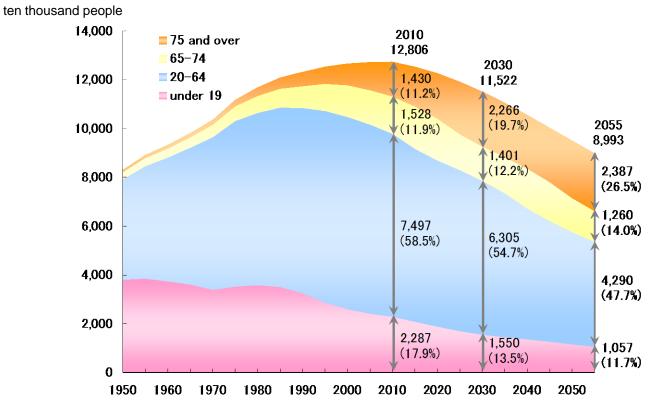


⁶ Population Trends



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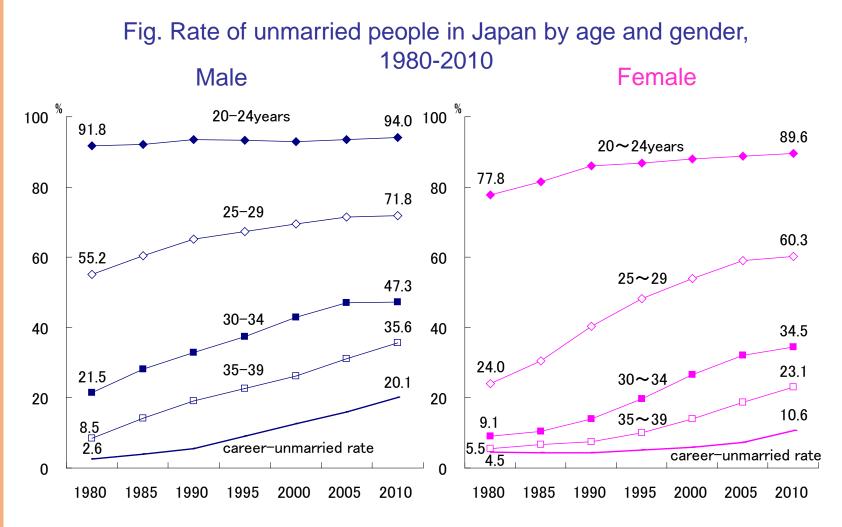
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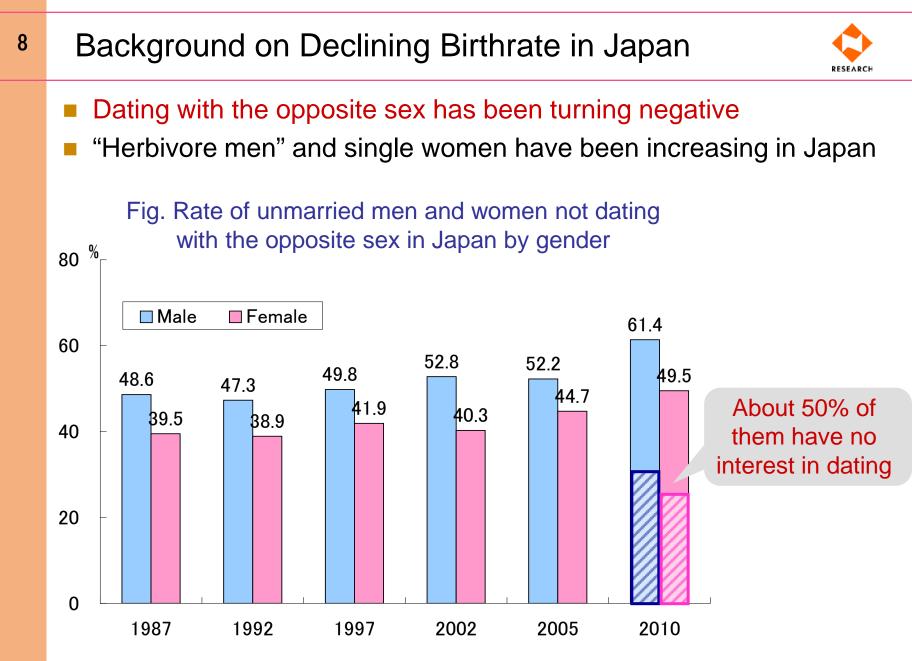
Source: National Institute of Population and Social Security Research, 2011, Ministry of Internal Affairs and Communications in Japan, 2010



Rate of unmarried people has been rising in Japan



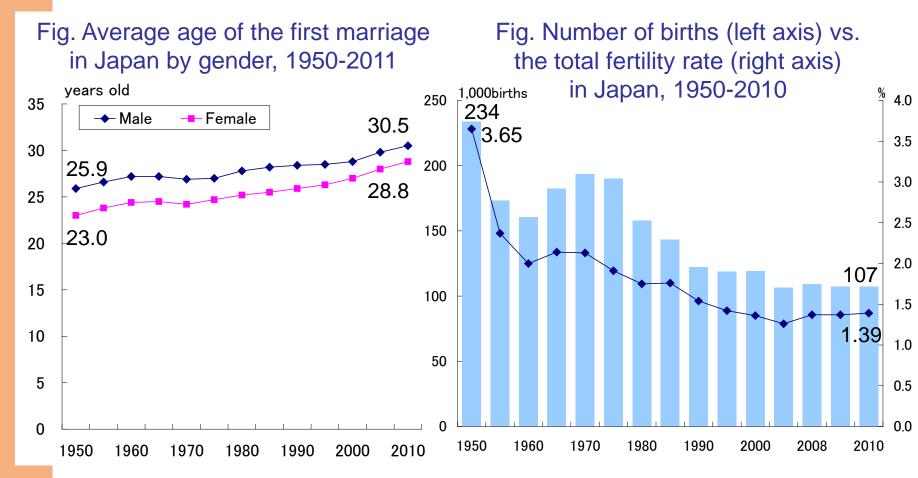
Source: National Institute of Population and Social Security Research, 2011



Source: National Institute of Population and Social Security Research, 2011



- Average age of first marriage has been increasing
- Birth rate has been decreasing



Source: Ministry of Health, Labor and Welfare, 2011, National Institute of Population and Social Security Research, 2011

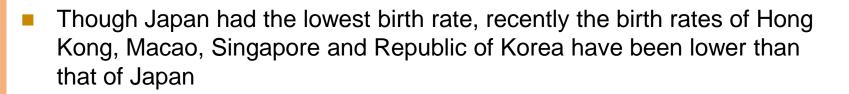
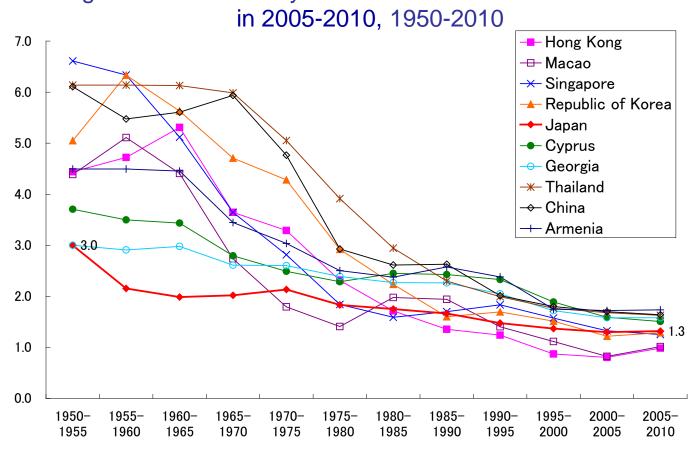


Fig. Actual total fertility rate in Asia: the10 lowest countries

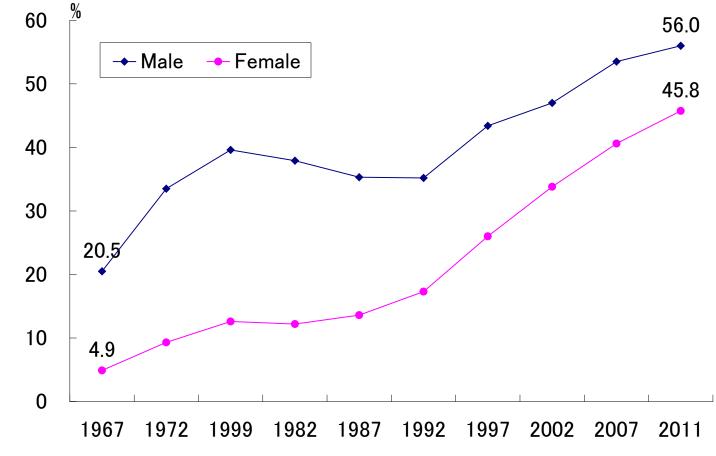
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Female college enrollment rate has been rising in Japan

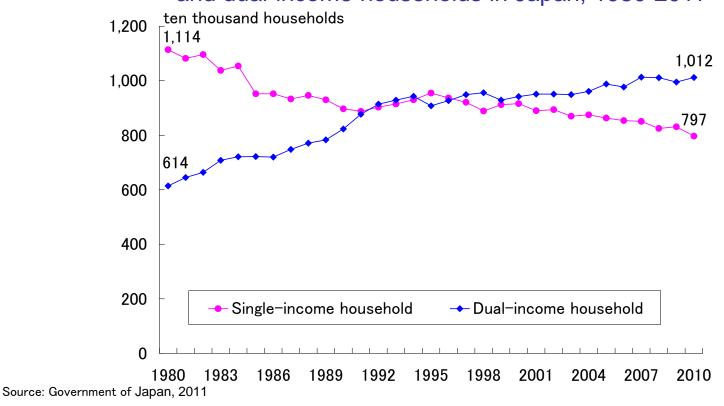
Fig. College enrollment rate in Japan by gender



Source: Ministry of Education, Culture, Sports, Science & Technology in Japan, 2012



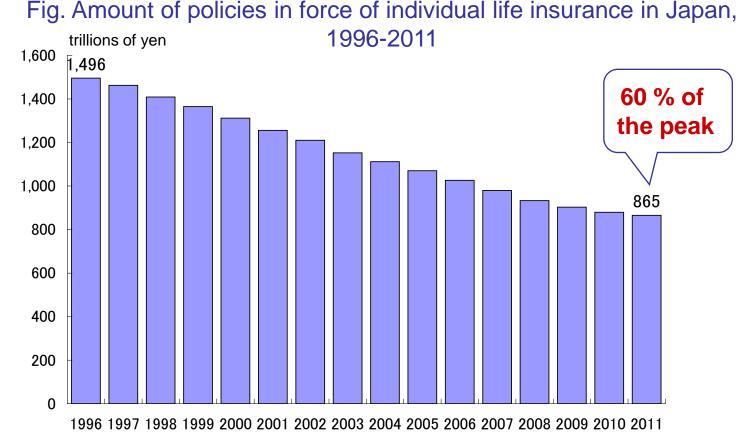
- The number of dual-income households has surpassed that of single-income households with a housewife in Japan since around1995 due to rising female college enrollment rate and the recession
 - Fig. Number of single-income households with a housewife and dual-income households in Japan, 1980-2011





- 14 Effects of Declining Birthrate and Aging Society on Life Insurance
 - Japan's life insurance market has been shrinking due to the declining population, declining birth rate, tendency of late marriage and rising unmarried rate

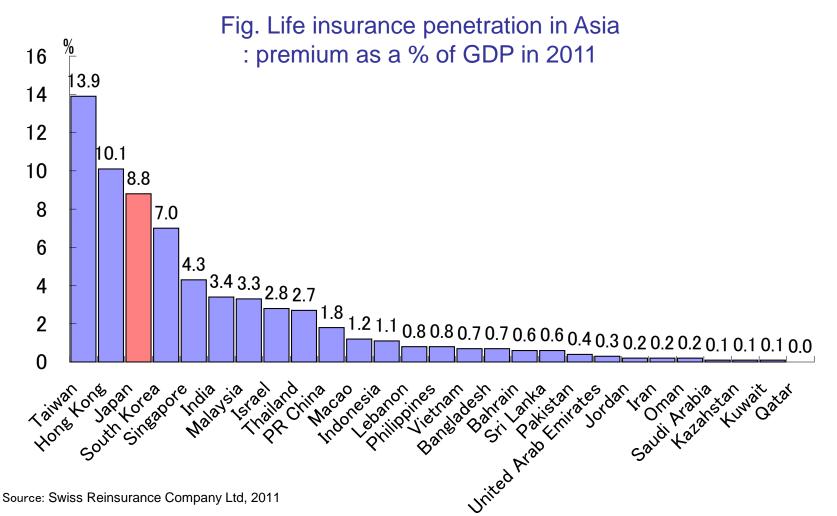
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Source: The Life Insurance Association of Japan, 2011

- 15 Effects of Declining Birthrate and Aging Society on Life Insurance
 - The life insurance penetration in Japan is higher than in almost all other Asian countries

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How large will the market size be?

Based on the projected population shrinking by 30% by 2055, it is estimated that the size of Japan's life insurance market will shrink accordingly.

We try to estimate the number and amount of individual life insurance of new policies and policies in force up to 2055.

- Calculation procedure
 - New policies

NumberProjected population $NN_{time,gender,age} = (NN_{2009,gender,age} / P_{2009,gender,age})(P_{time,gender,age})$ Amount $NA_{time,gender,age} = (NA_{2009,gender,age} / P_{2009,gender,age})(P_{time,gender,age})$

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Policies in force

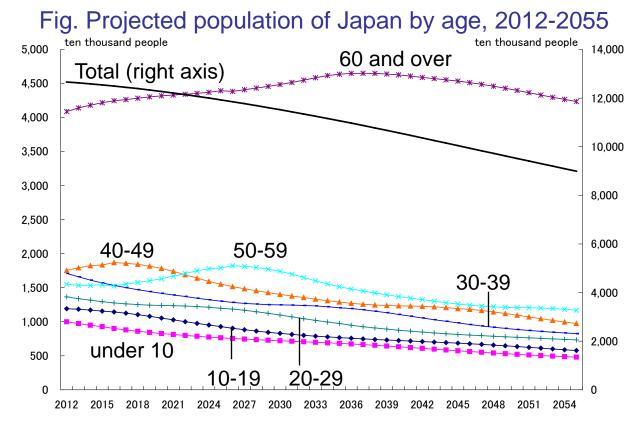
Number $FN_{time} = FN_{t-1} + NN_t - DN_{time}$ Amount $FA_{time} = FA_{t-1} + NA_t - DA_{time}$ Cancelled and invalid policies

The actual number and amount of policies in force broken down by age and gender are not available, therefore we calculated only the total number and amount.

Total population will decrease to 70% of the present by 2055

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- Population of people under 40 will decrease monotonically
- Population of people over 40 will initially increase due to the influence of the Baby Boomer generation and their children, and then decrease



Source: National Institute of Population and Social Security Research, 2010

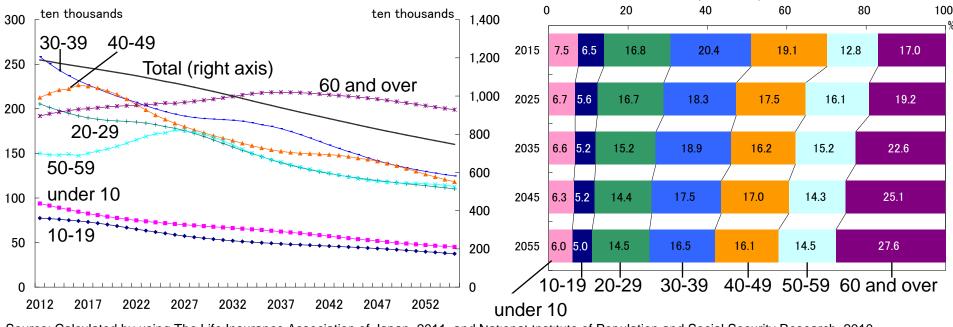


 People under 40 make up a high percentage of the number of new policies. Therefore the decrease in the population of people under 40 will influence the total number of new policies.

The age composition will shift Fig. Projected number of new policies of individual life insurance in Japan, 2012-2055

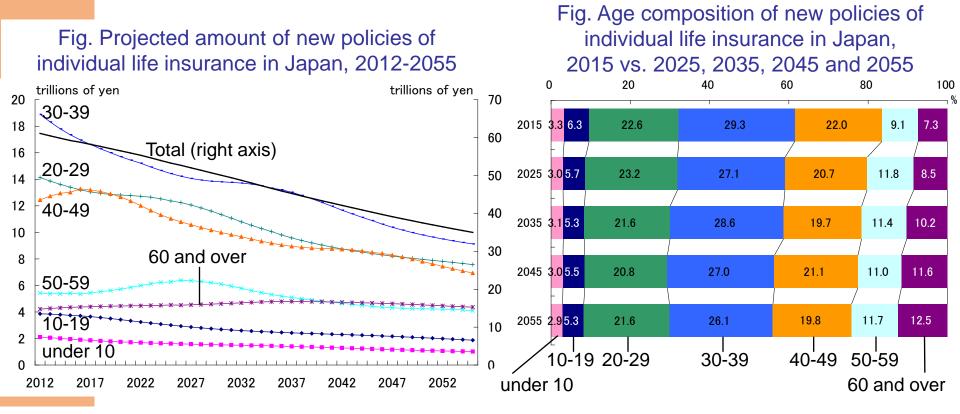


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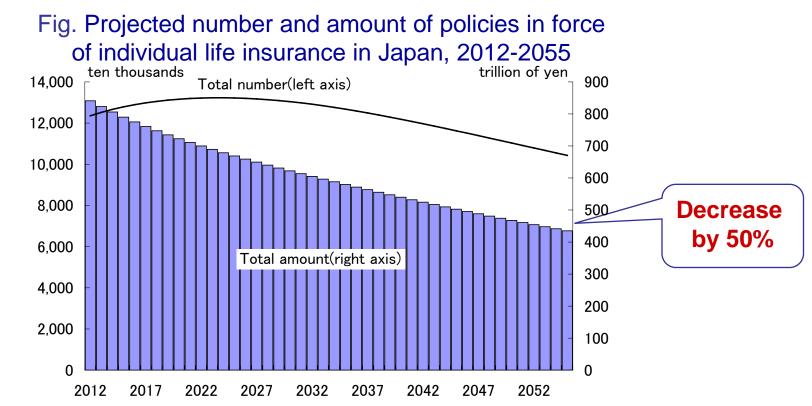
- The small population size of young people who tend to make higher volume policies will decrease by 50% by 2055
- The age composition will be older, but not so much compared with the number of policies



- The number of policies in force will be 90% of the current number
 - The number of policies in force has been increasing with private medical life insurance in recent years

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- For the present, the increasing tendency of private medical life insurance influences the total number, but after a while it will start to decrease
- The amount of policies in force will decrease by 50% by 2055



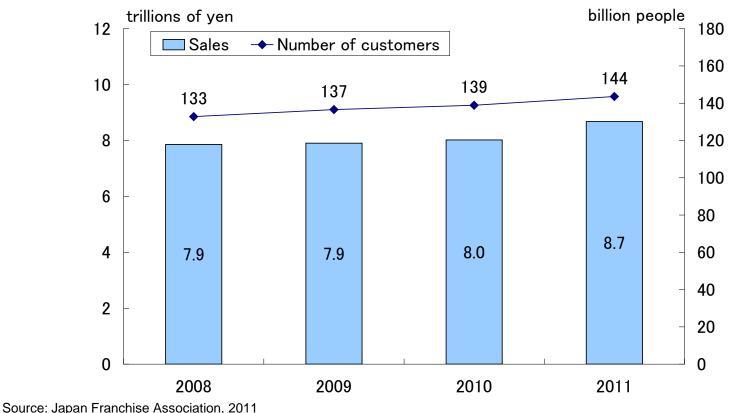


Business Case Studies of Declining Birthrate and Aging Society in Japan

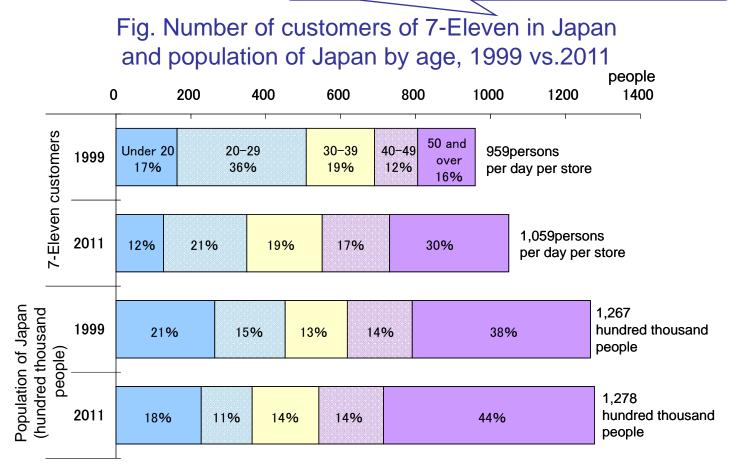
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Despite the recession and the decreasing population, sales of convenience store has been increasing.

Fig. Convenience store sales (left axis) and convenience store customers (right axis) in Japan, 2008-2011

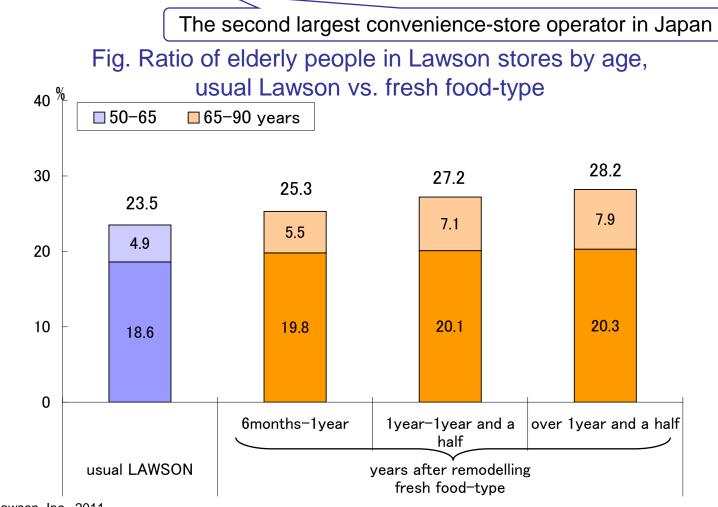


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 - 7-Eleven customers have aged faster than Japan's population.
 Japan's leading convenience store operator



Source: Seven & i Holdings Co., Ltd. and National Institute of Population and Social Security Research, 2011

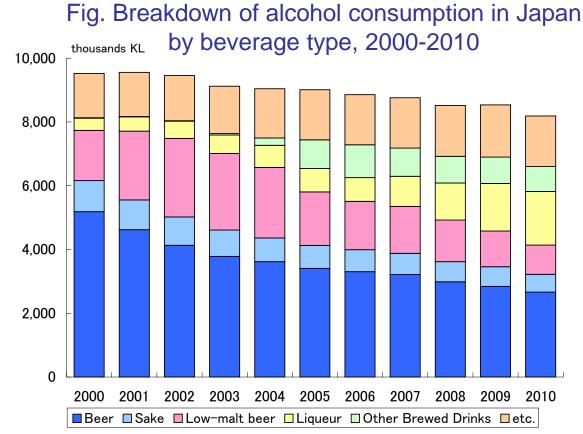
- 25 Business Case Studies of Declining Birthrate and Aging Society in Japan
 - The number of senior and female customers has increased in the fresh food-type Lawson stores



Source: Lawson, Inc., 2011

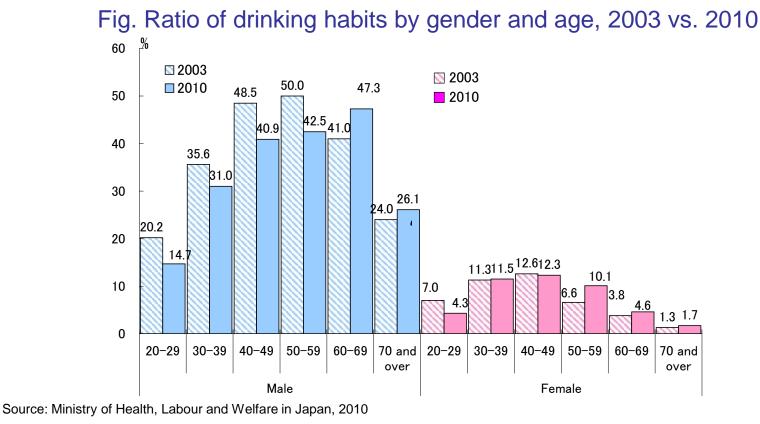
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- Alcoholic beverage market has been shrinking in Japan
- Consumer's preferences for alcoholic beverages have been changing in lower alcoholic ones



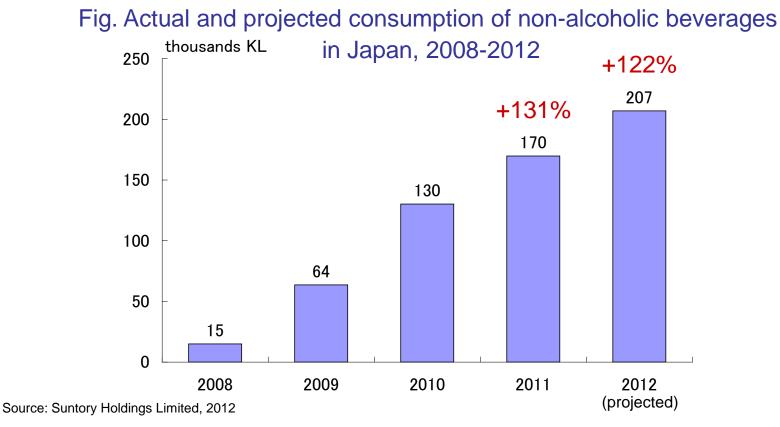
Source: National Tax Agency in Japan, 2010

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 - Ratio of drinking habits has declined among young men and women, as well as among the men under 60-yearolds.
 - On the other hand, it has risen among over 60-year-olds.



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- Japan's non-alcoholic beverage market has been growing in recent years
- Non-alcoholic beverages are consumed as not only an alternative of alcoholic beverages, but also are enjoyed by people who abstain from alcoholic beverages





Conclusion

³⁰ Conclusion



- Demographic Trends in Japan
 - Japan faces a dramatic population decrease due to the declining birthrate and aging population
 - Elderly population has been increasing
 - Elderly households will account for 40% of the total households in 2030, and single elderly households have been increasing
 - Birth rate has been decreasing
 - Rate of unmarried people has been rising
 - Dating with the opposite sex has been turning negative
 - "Herbivore men" and single women have been increasing
 - Average age of first marriage has been increasing
 - Female college enrollment rate has been rising
 - The number of dual-income households has surpassed that of single-income households with a housewife

³¹ Conclusion



- Effects of the Declining Birthrate and Aging Society on Life Insurance
 - Japan's life insurance market has been shrinking due to the declining population and birth rate, tendency of late marriage and rising unmarried rate
 - The amount of policies in force will decrease by 50% by 2055
- Business Case Studies of Declining Birthrate and Aging Society in Japan
 - Convenience store sales have been increasing
 - The reason for the increase is that the convenience store operators realized the demographic trends ahead of the actual changes and adopted effectively
 - Alcoholic beverage market has been shrinking
 - On the other hand, sales of non-alcoholic beverages have been increasing rapidly due to the changes in consumer's preferences and demographic trends

³² Conclusion



- Although the existing market is shrinking, we have to learn from other industry's case studies, and adopt a proactive approach to increase new targets such as elderly people or unmarried people by recognizing the demographic trends quickly and accurately.
- By so doing, we might be able to mitigate or change the expected market shrinking scenario to some extent.





Thank You!

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