

## Population Projections for Japan: 2006-2055 Outline of Results, Methods, and Assumptions

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### Introduction

The National Institute of Population and Social Security Research in Japan announced a new population projection for Japan in December 2006, based on the results of 2005 Census. This is the summary report on major results of the projections with outline of methods and assumptions.

Population Projections for Japan project size and structure of the population into future, based on assumptions on future fertility, mortality, and international migration levels. Given that future changes in fertility and mortality are inherently uncertain, this document provides a range of population projections based on alternative assumptions.

The projection covers the total population living in Japan, including non-Japanese residents. This is the same framework used by the Population Census of Japan. The period of projection begins with the 2005 Population Census and continues until 2055, projecting the population as of October 1 for each year. It also includes longer-term results up to 2105.

The method of projection is as follows: assumptions are made by age for population process components such as birth, death, and international migration, and population by sex and age in the future is projected through the cohort-component method. Assumptions are made based on actual statistics for each component through the demographic-projective method. (For further details, refer to section "III. Summary of the Method Used for Projecting Population".)

### I Summary of the Results; Projected Population

The Population Projection for Japan is based on three alternate assumptions about future fertility: low variant, medium variant and high variant. In this latest projection, the same high-, medium-, and low-variant assumptions are also set for changes in mortality. Hereafter, the outline of the results of the three projections, which combine the three assumptions on fertility and medium-variant assumptions for mortality, will be presented first,

followed by an outline of the results of the three assumptions of fertility combined with low- and high-variant mortality assumptions. In the following descriptions, each projection is referred to by the combination of its respective fertility and mortality assumptions (e.g. medium-fertility (medium-mortality) projection).

### The Results of Projections Using the Three Fertility Variant Assumptions with Medium-Variant Mortality

#### 1. Total Population Trends

According to the 2005 Population Census, the base year of this projection, the total population of Japan was 127.77 million. Based on the results of the medium-variant projection, the population is expected to enter a long period of depopulation. The population is expected to decrease to about 115.22 million in 2030, fall below 100 million to 99.38 million in 2046, and drop to 89.93 million by 2055 (see **Table 1-1, Figure 1-1**).

Based on the results of the high-fertility-variant projection, the total population is expected to fall below 100 million by 2046 to 99.44 million, and will decrease to 97.77 million in 2055 (see **Table 1-2, Figure 1-1**).

On the other hand, based on the results of the low-fertility-variant projection, the total population is expected to fall below 100 million by 2042, and decline to 84.11 million by 2055. (see **Table 1-3, Figure 1-1**).

#### 2. Population Trends and the Proportion of the Population in Three Major Age Groups (1) Trends in the Number of Children under 15 and Its Share of the Population

The annual number of births in Japan has declined from 2.09 million in 1973 to 1.06 million in 2005. Consequently, the population of children under the age of 15 has decreased from 27 million in the early 1980s to 17.52 million in the population census of 2005 (excluding the age-unknown, same below for census populations).

According to the medium-variant projection, the population size of this age group will fall to 16 million in 2009 (see **Table 1-1 and Figure 1-3**).

The decline will continue, and the population of this age group is expected to fall below 10 million in 2039, eventually decreasing to around 7.52 million by 2055.

According to the trends in the number of children based on the difference of the high- and low-variant future fertility assumptions, this age group is expected to be on the decline even in the high-variant projection (due to longstanding low fertility) and will reach 10.58 million in 2055 (see **Table 1-2**). The low-variant assumptions lead to a projection of a more rapid decline in the size of this age group. It is projected that this demographic group will shrink from its current size of 17.59 million to below 10 million in 2027, and eventually decrease to 5.51 million by 2055 (see **Table 1-3**).

Likewise, the share represented by this demographic group, according to the medium-variant projection, is expected to shrink from 13.8% as of 2005 to 10.0% in 2025, to 9.0% in 2045, and eventually down to 8.4% in 2055 (see **Table 1-1** and **Figure 1-4**).

The high-variant projection shows a slower decline in the number of children, falling below the 13% range in 2012 and reaching 10.8% by 2055 (see **Table 1-2**).

The decline in the children's share of the population is rapid in the low-variant projection, breaking the 13% mark in 2010, falling below 10% in 2019, and ultimately dropping to 6.6% by 2055 (see **Table 1-3**).

## **(2) Trends in the Working-Age Population (aged from 15 to 64 years) and Its Share of the Population**

The population of the working-age group (from 15 to 64 years of age) consistently increased during the post-war years, reaching its peak in the 1995 Population Census at 87.17 million. However, it subsequently entered a period of decline and the population has fallen to 84.09 million, according to the 2005 Population Census.

According to the results of the medium-variant projection, the population of this age group is expected to fall below 80 million in 2012 and eventually drop to 45.95 million by 2055 (see **Table 1-1** and **Figure 1-3**).

Up until 2020, the projections of working-age population trends based on the high- and low-variant assumptions are equivalent to those based on medium-variant assumptions. After 2020, the depopulation of this age group is expected to be rather slow according to the high-variant projection, and the population is expected to decline to 50.73 million by 2055 (see **Table 1-2**). According

to the low-variant projection, the working-age population is expected to decrease more rapidly, falling below 70 million in 2026, below 50 million in 2046, and eventually to 42.13 million by 2055 (see **Table 1-3**).

According to the medium-variant projection, the proportion of the population in the working-age group will continue to fall from its 2005 share of 66.1%. It is expected to decline to 60.0% in 2020, reaching 56.4% (approximately ten percentage points lower than the current level) in 2036, and will eventually decline to 51.1% by 2055 (see **Table 1-1** and **Figure 1-4**).

Using the high-variant projection, the population share of the working-age group also shows a constant decline from the start of the projection period. The proportion of the population in this age group is expected to be 51.9% in 2055, 0.8 percentage points higher than the projected proportion using medium-variant assumptions.

In the low-variant projection, the proportion of the population in this age group shows a slow period of decline, due primarily to the sharp decline in the number of children. Therefore, the timing of the percentage falling to 60.0% will be later in 2026 than in the projection based on medium-variant assumptions. However, the subsequent decline accelerates, and the population share will reach 50.1% in 2055, one percentage point lower than the projection based on medium-variant assumptions.

## **(3) Trends in the Elderly Population (65 years of age and over) and Its Share of the Population**

The trend of elderly population will be identical for the three-variant fertility projections throughout the projection period of 50 years if the assumption on mortality is the same. That is, this age group will grow from 25.76 million as of 2005 to over 30 million in 2012 when the baby-boom generation (born between 1947 and 1949) enters this group, and to 35.9 million by 2020 (see **Table 1-1**, **Table 1-2**, **Table 1-3**, and **Figure 1-3**). It will thereafter follow a modest period of increase for some time, reaching 36.67 million in 2043, and will peak in 2043, reaching the 38.63 million mark in 2042 when the second baby-boom generation enters this age group. A steady decrease will follow, and the group will ultimately reach 36.46 million by 2055.

The proportion of the elderly is expected to grow from 20.2% as of 2005 to 25.2% in 2013, already accounting for more than one-quarter of the population of Japan at this stage. According to the medium-variant projection, it will then reach

33.7%, or more than one-third of the population, in 2035. It will reach 40.5% by 2055, which means that 1 out of 2.5 persons will be in the aged category in Japan 50 years from now (see **Table 1-1, Figure 1-2**).

The variant in the aging trend due to the difference in the assumptions of fertility rate, derived from a comparison of the results of the high- and low-variant projections, shows a difference of 1.6 points in 2030, between 32.6% based on low-variant projection of birth and 31.0% based on high-variant projection. This difference grows wider thereafter, and for 2055, the low-variant figure is 43.4% whereas the high variant figure is 37.3%, a difference of 6.1 points (see **Figure 1-2**).

As the above report shows, the growth rate of the aging population itself will decrease from around 2020, and the population will peak at 2042 and will decrease thereafter. Nevertheless, the proportion of the aged generation will continue to rise for 50 years from now, according to all three assumptions on fertility. This is because the percentage of this age group will continue to increase against the declining trend other age groups, namely children and working-age population.

### **3. Trend of the Population Dependency Ratio**

The population dependency ratio is used as an index to indicate the level of support of the working-age group, through comparison of the relative size of the child population and aged population groups to that of the working-age group. The old-age dependency ratio (calculated by dividing the aged population by the population of the working-age group) based on the medium-variant projection of birth increases from 31% (that is, 3.3 workers supporting one senior resident) as of 2005 to the 50% range (that is, two workers supporting one senior resident) in 2020. The ratio will continue to rise, and eventually reach 79% (that is, 1.3 workers supporting one senior resident) by 2055 (see **Table 1-4**).

In contrast, the child dependency ratio (calculated by dividing the child population by the population of the working-age group), which is 21% (that is, 4.7 workers supporting one child) as of 2005, is expected to maintain a level of 16 to 20% in the future. Despite the decrease in the child population due to low fertility, the child dependency ratio is not expected to decrease considerably below a certain level, because the working-age group, the generation of their parents, will simultaneously shrink in size.

The child dependency ratio and the old-age dependency ratio added together is referred to as the overall dependency ratio, and this ratio is used to show the degree of support for the entire working-age population. According to the medium-variant projection of birth, the overall dependency ratio is expected to increase to 70.9% in 2030 from 51.3% in 2005, and will eventually reach 95.7% by 2055.

The overall dependency ratio based on the high-variant projection of birth will initially follow a trend that is higher than that of the medium-variant projection, because the child population will be larger. However, this ratio will become lower than that of the medium-variant projection in 2045 and beyond, and is expected to reach 92.7% by 2055. In contrast, the overall dependency ratio based on the low-variant projection of birth will initially maintain a level lower than projections based on the medium-variant projection. This, however, will reverse in 2041, and will reach 99.6% by 2055.

### **4. Changes in the Population Pyramid**

The population pyramid in Japan has significant irregularities due to acute fluctuation in past fertility rates. For example, there was a decrease in the number of live births from 1945 to 1946 in line with the termination of war, an increase in the first baby boom from 1947 to 1949, a subsequent decrease from 1950 to 1957 and in 1966, which was known as the Hinoe-Uma (fire horse) year in the traditional Japanese calendar, a subsequent increase during the second baby boom from 1971 to 1974, and a steady decrease thereafter (see **Figure 1-5**).

In the population pyramid as of 2005, the members of first baby-boomer generation are at the end of their 50s and those of the second baby-boomer generation at the beginning of their 30s. By looking at the evolution of this pyramid according to the projection, the first baby-boomers will be at the beginning of their 80s and the second baby-boomers at the end of their 50s by 2030. It can therefore be concluded that the aging of society toward 2030 is centered on the aging of the first baby-boomer generation (see **Figure 1-5(2)**).

The progression of aging society thereafter will reflect the fact that after the second baby-boomer generation enters the elderly population; the population size of all age brackets will decrease among younger generation, due to the low fertility rate (see **Figure 1-5 (3)**).

## The Results of Projections of the Three Fertility Variant Assumptions with High- and Low-Variant Mortality

### 1. Summary of the Results of Projection with High-Variant Mortality

The high-variant mortality projection is a projection that assumes higher mortality rates compared to the medium-variant mortality projection, which means slower advance in mortality improvement, and life expectancy remaining at a relatively low level. Therefore, number of deaths will be relatively large, and the population will maintain a lower level under the same assumptions on fertility. Compared to the total population estimate of 89.93 million in 2055 based on the medium-fertility (medium-mortality) projection, the total population in the same year based on the medium-fertility (high-mortality) projection will be lower at 88.19 million. In contrast, the trend of the population and the proportion of the three major age groups based on the medium-fertility (high-mortality) projection are as follows: the child population (and the proportion thereof) will be 7.51 million (8.5%), the working-age population (proportion) will be 45.85 million (52.0%), and elderly population (and the proportion thereof) will be 34.83 million (39.5%) in 2055. Compared to the results of the medium-fertility (medium-mortality) projection, the size of the elderly population is smaller and the proportion of the elderly population is also lower (see **Table 2-1**).

The trend in the size of total population and that in the size and proportion of the three major age groups will also differ between the three assumptions on fertility under the high-variant mortality assumption (see **Figure 2-1**, **Figure 2-2**). In 2055, the total population will be 96.03 million based on the high-fertility projection, and 82.38 million based on the low-fertility projection. The elderly population proportion in the same year will be 36.3% based on the high-fertility projection and 42.3% based on the low-fertility projection (see **Table 2-2**, **Table 2-3**). In particular, total population based on low-fertility (high-mortality) projection will be the smallest among the nine projections (combination of the three fertility assumptions and three mortality assumptions), and the proportion of elderly population is the lowest for the high-fertility (high-mortality) projection.

### 2. Summary of the Results of Projection with Low-Variant Mortality

The low-variant mortality projection is a projection that assumes lower mortality rate as compared with the medium-variant mortality projection, which means a faster advance in mortality improvement,

and life expectancy reaching a relatively high level. Therefore, number of deaths will be relatively small, and the population will maintain a higher level under the same assumption on fertility. That is, compared to the total population as of 2055 based on the medium-fertility (medium-mortality) projection, which is 89.93 million, the total population in the same year based on the medium-fertility (low-mortality) projection will be 91.67 million. On the other hand, the trend of the size and the proportion of the three major age groups based on the medium-fertility (low-mortality) projection are as follows: child population (and the proportion thereof) will be 7.52 million (8.2%), working-age population (and the proportion thereof) will be 46.04 million (50.2%), and elderly population (and the proportion thereof) will be 38.1 million (41.6%) in 2055. Compared to the results of the medium-fertility (medium-mortality) projection, the size of the elderly population is larger and the proportion of the elderly population is also higher (see **Table 3-1**).

The trend in the size of total population and that in the size and the proportion of the three major age groups will also differ between the three assumptions on fertility under the low-variant mortality assumption (see **Figure 3-1**, **Figure 3-2**). In 2055, the total population will be 99.52 million based on the high-fertility projection, and 85.84 million based on the low-fertility projection. The elderly population proportion in the same year will be 38.3% based on the high-fertility projection and 44.4% based on the low-fertility projection (see **Table 3-2**, **Table 3-3**). In particular, the total population based on the high-fertility (low-mortality) projection will be the largest among the nine projections (combination of the three fertility assumptions and three mortality assumptions), and the proportion of elderly population is the highest for the low-fertility (low-mortality) projection.

## II Summary of the Method Used for Projecting Population

The cohort component method is used for Population Projections for Japan, as with the previous projections. This is a method for forecasting future population by calculating the yearly changes due to the aging of individuals by each age bracket for each component (death, birth and international migration). As for the already existing individuals, the future population is calculated by subtracting the number of deaths due to aging and international migration. The new born population will be determined by calculating the number of live births from the female population in the reproductive age, and

the number of babies remaining from death and international migration, and will be added to the population of the following year.

Projecting the population using the cohort component method requires the following information: (1) base population, (2) future fertility rate (and the sex ratio at birth), (3) future survival rate, and (4) future international migration rates (numbers), all classified by sex and age. This projection method requires a set of assumptions by implementing projection techniques based on actual statistics for each component. Given that future changes in fertility and mortality are inherently uncertain, this routine provides a range of population projections based on alternative assumptions.

### ***1. Base Population***

As for the base population, or the starting point of the projection, this set of projections uses data on the total population by age and sex as of October 1, 2005, in the Population Census of Japan, compiled by the Statistics Bureau of Ministry of Internal Affairs and Communications. However, the population of "unknown" age is included through its even distribution over all age groups. (The distribution of "unknown" age population is done by prefecture, and the population of Japan is obtained by summing up for all prefectures.)

### ***2. Assumptions of Fertility Rates and Sex Ratio at Births***

Projecting the future number of births in this projection requires female age-specific fertility rate of the year in question. This projection uses the cohort-fertility method to estimate future fertility rate. The cohort-fertility method observes the birth process per female birth cohort over the course of their lives, and forecasts the level of completed fertility and the birth timing for cohorts in which the birth process is incomplete. The future age-specific fertility rates and total fertility rates on an annual basis can be obtained by converting the per-cohort rate into annual data. In this projection, the fertility trend for the whole population, including foreigners, is obtained by a conversion of this rate for Japanese, from the perspective of further precision in the determination of fertility rate trend. Therefore, the assumed index figures in relation to marriage and childbirth described hereafter are all those of Japanese females.

Cohort age-specific fertility rates are statistically estimated and/or assumed by each order of birth by way of models that use lifetime birth probability and age of childbearing as index. The lifetime birth process is statistically estimated from the actual figures derived in the birth process

for cohort that is going through the birth process. As for young cohorts that have only small or no actual figures, the index at the completion of birth process is calculated based on indexes projected separately for the reference cohort. The reference cohort refers to those born in 1990. The index in question is projected based on actual statistics on first marriage behavior, couples' reproductive behavior, and behavior pertaining to divorce, bereavement and remarriage. The cohort total fertility rate and the distribution by birth orders are calculated as the result of such indexes.

Because future fertility is an unknown, three assumptions (medium, high, and low-variant projections) are set and population is projected based on each assumption. This allows adding fluctuation range assumed for future population, brought by changes in birth viewed from the current state.

#### **(1) Assumption for the Medium Variant of Fertility**

- (i) The mean age of first marriage of females by cohort will rise from 24.9 for the cohort born in 1955 to 28.2 for the cohort born in 1990. It eventually reaches 28.3 for the cohort born in 2005 and remains unchanged thereafter.
- (ii) The proportion of never married increases from 5.8% for the cohort born in 1955 to 23.5% for the cohort born in 1990. It eventually reaches 23.6% for the cohort born in 2005, remaining unchanged thereafter.
- (iii) Delayed marriage, delayed childbearing, and changes in the reproductive behavior of couples affect the completed number of births from married couples Index showing changes in reproductive behavior of couples (marital fertility variation index), observed by establishing couples with wife in the cohorts born from 1935 to 1954 as a benchmark (1.0), declines to 0.906 for the cohort born in 1990. It reaches 0.902 for the cohort born in 2005 and remains unchanged thereafter. The number of births from married couples is obtained from this index and change in first marriage behavior shown in (i) and (ii) above as follows: 2.19 for the cohorts born from 1953 to 1957 decreases to 1.70 for the cohort born in 1990, and to 1.69 for the cohort born in 2005, remaining unchanged thereafter.
- (iv) The effects of divorce, bereavement and remarriage on fertility rates are ascertained based on the number of births from

females with previously mentioned experiences and the trend of structural changes in marital status. As a result, by setting the birth level of a first-married couple as a benchmark (1.0), the effect of divorce and bereavement and remarriage decrease from the actual figure of 0.952 for the cohort born in 1955 to 0.925 for the cohort born in 1990. It remains unchanged thereafter.

From the results of above (i) to (iv), the total fertility rate of Japanese females decreases from the observed figure of 1.964 for the cohort born in 1955 to 1.202 for the cohort born in 1990. It reaches 1.198 for the cohort born in 2005 and remains unchanged thereafter.

Cohort age-specific fertility rates calculated as above are converted into the annual fertility rate. Subsequently, the fertility rate of the entire

population including foreigners is obtained by assuming that the relationships between moments of the age-specific fertility rate functions of non-Japanese and Japanese females, estimated from actual figures, is unchanging. It is possible to calculate the fertility rate of the same definition with the Vital Statistics (fertility rate also counting children of Japanese nationality born from females of non-Japanese nationality; see the formula below) corresponding with the population composition by nationality upon making a projection. The results of such calculations show that the total fertility rate increased from the actual figure of 1.26 as of 2005 to 1.29 in 2006, and then will gradually decline to 1.21 in 2013. It is then expected to turn upward to 1.24 in 2030, and eventually to 1.26 in 2055 (see **Table 4-1, Figure 4-1**).

#### Definition of the total fertility rate of the Vital Statistics

$$\begin{aligned}
 \text{(Total fertility rate)} &= \sum_{\text{Sum for ages (15-49)}} \frac{\begin{matrix} \text{(Number of births} \\ \text{by Japanese} \\ \text{females)} \end{matrix} + \begin{matrix} \text{(Number of births with Japa-} \\ \text{nese nationality born from} \\ \text{non-Japanese females*)} \end{matrix}}{\text{(Population of Japanese females)}}
 \end{aligned}$$

\* A child with Japanese nationality born from a non-Japanese female is a child whose father is Japanese.

#### (2) Assumptions for the High Variant of Fertility

- (i) The mean age of first marriage of females by cohort will advance to 27.8 for the cohort born in 1990, which will maintain the almost same level up to the cohort born in 2005, and remains unchanged thereafter.
- (ii) The proportion of the never married demographic increases to 17.9% for the cohort born in 1990, ultimately reaching 17.1% for the cohort born in 2005, remaining unchanged thereafter.
- (iii) The marital fertility variation index, an index showing changes in reproductive behavior of couples, observed by establishing the couple with wife in the cohorts born from 1935 to 1954 as a benchmark (1.0), declines temporarily but will return to 1.0 before the cohort born in 1990. The completed number of births from married couples derived from this index and change in first marriage behavior shown above will be 1.91 for the cohort born in 1990, and it will remain unchanged for cohorts born in 2005 and after.

- (iv) The effects of divorce, bereavement and remarriage on fertility rate will decrease from the actual figure of 0.952 for the cohort born in 1955 to 0.938 for the cohort born in 1990, remaining unchanged thereafter.

From the results of above (i) to (iv), the total fertility of Japanese females decreases from the actual figure of 1.964 for the cohort born in 1955 to 1.467 for the cohort born in 1990, eventually reaching 1.478 for the cohort born in 2005, remaining unchanged thereafter.

The fertility rate of the same definition with the Vital Statistics corresponding with the above will increase from the actual figure of 1.26 as of 2005 to 1.32 in 2006 and to 1.53 in 2030, eventually reaching 1.55 in 2055 (see **Table 4-1, Figure 4-1**).

#### (3) Assumption for the Low Variant of Fertility

- (i) The mean age of first marriage of females by cohort will increase to 28.7 for the cohort born in 1990 and to 28.8 for the cohort born in 2005, which remains unchanged thereafter.

- (ii) The proportion of the never married demographic increases to 27.0% for the cohort born in 1990, and eventually reaches 27.4% for the cohort born in 2005, which remains unchanged thereafter.
- (iii) Marital fertility variation index, a index showing changes in the reproductive behavior of couples, observed by establishing couples with wives in the cohorts born from 1935 to 1954 as a benchmark (1.0), declines thereafter to 0.838 for the cohort born in 1990. It will eventually reach 0.825 for the cohort born in 2005, remaining unchanged thereafter. Completed number of births from married couples derived from this index and change in first marriage behavior shown above will decrease to 1.52 for the cohort born in 1990, and will reach 1.49 for cohorts born in 2005, which remains unchanged thereafter.
- (iv) The effects of divorce, bereavement and remarriage on fertility rates will decrease from the actual figure of 0.952 for the cohort born in 1955 to 0.918 for the cohort born in 1990, remaining unchanged thereafter.

Based on the results of (i) to (iv) above, the cohort total fertility of Japanese females decreases from the actual figure of 1.964 for the cohort born in 1955 to 1.022 for the cohort born in 1990, eventually reaching 0.999 for the cohort born in 2005, which remains unchanged thereafter.

The fertility rate of the same definition with the Vital Statistics corresponding with the above will increase from the actual figure of 1.26 as of 2005 to 1.27 in 2006. However, it will decline to the order of 1.03 in 2026, following which it will marginally increase to 1.06 by 2055 (see **Table 4-1, Figure 4-1**).

As regards sex ratio at birth (the number of male children compared with 100 female children) that is used when the future number of newborns is divided into male and female, the actual figure of 105.4 for five years from 2001 to 2005 is used as remaining consistent from 2006 and thereafter.

### **3. Assumption of the Survivorship Ratio (Future Life Table)**

In order to project the population from one year to the next, survivorship ratios by age and sex are needed, and, in order to obtain future survivorship ratios, it is necessary to construct future life tables. This projection has adopted the Lee-Carter model,

which is internationally recognized as the standard model, to construct future life tables. This projection modifies the model by adding new features that properly respond to life expectancy trends in Japan, which is the highest in the world. The Lee-Carter model describes change in mortality rates for each age according to the general level of mortality changes, by decomposing a matrix of age-specific death rates into the “average” mortality age schedule, the general level of mortality (mortality index), the age-specific changes “when the general level of mortality changes,” and an error term. In this projection, logistic curves are applied for past mortality curves so as to estimate their parameters on significance of age shifts and gradients, and the Lee-Carter model is applied by considering the age shift of advanced age mortality rate, in order to suit the mortality state of Japan, where mortality rate improvement is notable.

Upon projecting the future mortality index, data after 1970 is used in order to reflect changes in the level of mortality that remained slow and gradual over the past 35 years. From the perspective of ensuring consistency in terms of the mortality rate of males and females, curve fittings were applied simultaneously for both males and females. Future amounts of age shift were projected using linear relations with the mortality index in the past ten years, and gradient was fixed for the future using the latest mean value (covering the past ten years for males and past the 15 years for females).

Because the improvement in mortality levels for recent years is showing trends beyond the assumptions of existing theory, it is assumed that future mortality rate transitions and levels reached will be highly uncertain. Therefore, in this projection, it was decided that a projection with a selected range based on several assumptions would be implemented. To obtain the variants in mortality index parameters for the standard mortality rate trend, the bootstrap method is used to estimate the 99% confidence interval. The “high variant of death” assumption is the projection with a high mortality rate in which the mortality index maintains the upper limit level of the confidence interval, and “low variant of death” assumption is the projection with low mortality rate in which the mortality index maintains the lower limit of the confidence interval.

The future life tables were constructed from the assumed age- and sex-specific mortality rates up until 2055, based upon the parameters obtained through the above procedures.

**(1) Assumptions for the Medium Variant of Mortality**

According to the standard future life tables, life expectancy, which was 78.53 years for males and 85.49 years for females in 2005, is expected to extend to 79.51 years for males and 86.41 years for females in 2010, 81.88 years for males and 88.66 years for females in 2030, and, in 2055, 83.67 years for males and 90.34 years for females (see **Table 4-2, Figure 4-2**).

**(2) Assumptions for the High Variant of Mortality**

According to the assumption for the high variant of death, the mortality rate will increase, and therefore life expectancy will be shorter as compared to the medium-variant assumption. As a result, life expectancy in 2055 according to this assumption will be 82.41 years for males and 89.17 years for females.

**(3) Assumptions for the Low Variant of Mortality**

According to the assumption for the medium variant of death, the mortality rate will be lower, and therefore the life expectancy will be longer as compared to the medium-variant assumption. As a result, the life expectancy in 2055 according to this assumption will be 84.93 years for males and 91.51 years for females.

**4. Assumptions in regards to the International Migration Rate (Numbers)**

International migration varies largely in line with processes in globalization and changes in the economic conditions of Japan. Additionally, it is also affected by the policies and regulations concerning international migration in Japan, and by the economic and social conditions of other countries as well. Other temporary circumstances that could

affect the international migration rate include terrorist attacks and the epidemics such as SARS (Severe Acute Respiratory Syndrome).

The actual figures show that international migration trends differ between Japanese and non-Japanese populations. Additionally, in theory, the number of non-Japanese entering Japan can be unrelated to the population size or age structure of Japan. Therefore, in this projection international migration figures are analyzed and projected separately for the Japanese and non-Japanese populations. The report calls them the “net international migration rate for Japanese” and the “net migrants of non-Japanese,” respectively.

The overall trend in international migration of the Japanese population shows exits exceeding entries. This trend is relatively stable, thus the assumptions are made as follows: first, obtain the average value of the age- and sex-specific annual net international migration rate between 1995 and 2005 (excluding 2001-2004, which were the years affected by terrorist attacks and SARS), and then smooth the rate to remove random fluctuation, and set the result as the net international migration rate of Japanese for 2006 and after.

As for international migration of the non-Japanese population, the figure for net migrants is showing an overall increasing trend, although some significant fluctuation therein has been observed in recent years. The number for future net migrants for non-Japanese by sex was projected for the period from 2006 to 2025 by ascertaining actual trends of net migrants by major countries of origin. The figure was assumed to be unchanged beyond 2026. In addition, because the proportion of sex-specific non-Japanese entries by age has been relatively stable since 2000, the average value for 2000-2005 is adjusted and is assumed as unchanged beyond 2006 (see **Tables 4-3 through 4-5, Figures 4-3 through 4-5**).

[Results of Projections Based on Medium-Variants of Mortality]

**Table 1-1 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with Medium-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,762	17,436	83,729	26,597	13.6	65.5	20.8
2007	127,694	17,238	83,010	27,446	13.5	65.0	21.5
2008	127,568	17,023	82,334	28,211	13.3	64.5	22.1
2009	127,395	16,763	81,644	28,987	13.2	64.1	22.8
2010	127,176	16,479	81,285	29,412	13.0	63.9	23.1
2011	126,913	16,193	81,015	29,704	12.8	63.8	23.4
2012	126,605	15,880	79,980	30,745	12.5	63.2	24.3
2013	126,254	15,542	78,859	31,852	12.3	62.5	25.2
2014	125,862	15,201	77,727	32,934	12.1	61.8	26.2
2015	125,430	14,841	76,807	33,781	11.8	61.2	26.9
2016	124,961	14,486	76,025	34,450	11.6	60.8	27.6
2017	124,456	14,133	75,346	34,977	11.4	60.5	28.1
2018	123,915	13,803	74,732	35,380	11.1	60.3	28.6
2019	123,341	13,488	74,199	35,655	10.9	60.2	28.9
2020	122,735	13,201	73,635	35,899	10.8	60.0	29.2
2021	122,097	12,892	73,141	36,064	10.6	59.9	29.5
2022	121,430	12,622	72,678	36,131	10.4	59.9	29.8
2023	120,735	12,381	72,144	36,210	10.3	59.8	30.0
2024	120,015	12,159	71,549	36,307	10.1	59.6	30.3
2025	119,270	11,956	70,960	36,354	10.0	59.5	30.5
2026	118,502	11,769	70,363	36,371	9.9	59.4	30.7
2027	117,713	11,597	69,728	36,388	9.9	59.2	30.9
2028	116,904	11,438	69,028	36,438	9.8	59.0	31.2
2029	116,074	11,290	68,274	36,510	9.7	58.8	31.5
2030	115,224	11,150	67,404	36,670	9.7	58.5	31.8
2031	114,354	11,017	66,835	36,502	9.6	58.4	31.9
2032	113,464	10,888	65,896	36,681	9.6	58.1	32.3
2033	112,555	10,762	64,942	36,851	9.6	57.7	32.7
2034	111,627	10,637	63,949	37,041	9.5	57.3	33.2
2035	110,679	10,512	62,919	37,249	9.5	56.8	33.7
2036	109,714	10,384	61,832	37,498	9.5	56.4	34.2
2037	108,732	10,253	60,699	37,779	9.4	55.8	34.7
2038	107,733	10,118	59,528	38,087	9.4	55.3	35.4
2039	106,720	9,978	58,387	38,354	9.4	54.7	35.9
2040	105,695	9,833	57,335	38,527	9.3	54.2	36.5
2041	104,658	9,682	56,358	38,619	9.3	53.8	36.9
2042	103,613	9,526	55,455	38,632	9.2	53.5	37.3
2043	102,560	9,366	54,589	38,605	9.1	53.2	37.6
2044	101,503	9,202	53,779	38,522	9.1	53.0	38.0
2045	100,443	9,036	53,000	38,407	9.0	52.8	38.2
2046	99,382	8,868	52,268	38,245	8.9	52.6	38.5
2047	98,321	8,701	51,541	38,079	8.8	52.4	38.7
2048	97,261	8,535	50,792	37,934	8.8	52.2	39.0
2049	96,205	8,373	50,038	37,794	8.7	52.0	39.3
2050	95,152	8,214	49,297	37,641	8.6	51.8	39.6
2051	94,102	8,061	48,588	37,453	8.6	51.6	39.8
2052	93,056	7,914	47,894	37,248	8.5	51.5	40.0
2053	92,013	7,774	47,224	37,014	8.4	51.3	40.2
2054	90,971	7,641	46,577	36,753	8.4	51.2	40.4
2055	89,930	7,516	45,951	36,463	8.4	51.1	40.5

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 1-2 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with Medium-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,777	17,451	83,729	26,597	13.7	65.5	20.8
2007	127,761	17,305	83,010	27,446	13.5	65.0	21.5
2008	127,703	17,158	82,334	28,211	13.4	64.5	22.1
2009	127,603	16,971	81,644	28,987	13.3	64.0	22.7
2010	127,463	16,766	81,285	29,412	13.2	63.8	23.1
2011	127,285	16,566	81,015	29,704	13.0	63.6	23.3
2012	127,072	16,347	79,980	30,745	12.9	62.9	24.2
2013	126,824	16,112	78,859	31,852	12.7	62.2	25.1
2014	126,543	15,883	77,727	32,934	12.6	61.4	26.0
2015	126,232	15,643	76,807	33,781	12.4	60.8	26.8
2016	125,890	15,415	76,025	34,450	12.2	60.4	27.4
2017	125,519	15,196	75,346	34,977	12.1	60.0	27.9
2018	125,119	15,006	74,732	35,380	12.0	59.7	28.3
2019	124,690	14,837	74,199	35,655	11.9	59.5	28.6
2020	124,234	14,700	73,635	35,899	11.8	59.3	28.9
2021	123,750	14,530	73,156	36,064	11.7	59.1	29.1
2022	123,241	14,365	72,744	36,131	11.7	59.0	29.3
2023	122,706	14,218	72,278	36,210	11.6	58.9	29.5
2024	122,148	14,086	71,755	36,307	11.5	58.7	29.7
2025	121,567	13,967	71,245	36,354	11.5	58.6	29.9
2026	120,964	13,860	70,734	36,371	11.5	58.5	30.1
2027	120,340	13,760	70,193	36,388	11.4	58.3	30.2
2028	119,696	13,664	69,595	36,438	11.4	58.1	30.4
2029	119,032	13,570	68,952	36,510	11.4	57.9	30.7
2030	118,347	13,477	68,200	36,670	11.4	57.6	31.0
2031	117,643	13,383	67,758	36,502	11.4	57.6	31.0
2032	116,919	13,287	66,951	36,681	11.4	57.3	31.4
2033	116,176	13,188	66,137	36,851	11.4	56.9	31.7
2034	115,415	13,087	65,287	37,041	11.3	56.6	32.1
2035	114,636	12,981	64,406	37,249	11.3	56.2	32.5
2036	113,842	12,872	63,472	37,498	11.3	55.8	32.9
2037	113,032	12,758	62,495	37,779	11.3	55.3	33.4
2038	112,208	12,640	61,482	38,087	11.3	54.8	33.9
2039	111,373	12,517	60,502	38,354	11.2	54.3	34.4
2040	110,529	12,391	59,611	38,527	11.2	53.9	34.9
2041	109,676	12,261	58,796	38,619	11.2	53.6	35.2
2042	108,817	12,129	58,057	38,632	11.1	53.4	35.5
2043	107,954	11,994	57,355	38,605	11.1	53.1	35.8
2044	107,090	11,860	56,708	38,522	11.1	53.0	36.0
2045	106,225	11,725	56,092	38,407	11.0	52.8	36.2
2046	105,362	11,593	55,524	38,245	11.0	52.7	36.3
2047	104,502	11,462	54,961	38,079	11.0	52.6	36.4
2048	103,645	11,335	54,375	37,934	10.9	52.5	36.6
2049	102,793	11,212	53,787	37,794	10.9	52.3	36.8
2050	101,947	11,094	53,212	37,641	10.9	52.2	36.9
2051	101,106	10,980	52,672	37,453	10.9	52.1	37.0
2052	100,269	10,872	52,148	37,248	10.8	52.0	37.1
2053	99,435	10,769	51,652	37,014	10.8	51.9	37.2
2054	98,605	10,672	51,180	36,753	10.8	51.9	37.3
2055	97,775	10,579	50,733	36,463	10.8	51.9	37.3

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 1-3 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with Medium-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,754	17,429	83,729	26,597	13.6	65.5	20.8
2007	127,625	17,170	83,010	27,446	13.5	65.0	21.5
2008	127,416	16,871	82,334	28,211	13.2	64.6	22.1
2009	127,149	16,518	81,644	28,987	13.0	64.2	22.8
2010	126,829	16,132	81,285	29,412	12.7	64.1	23.2
2011	126,458	15,738	81,015	29,704	12.4	64.1	23.5
2012	126,037	15,312	79,980	30,745	12.1	63.5	24.4
2013	125,569	14,858	78,859	31,852	11.8	62.8	25.4
2014	125,059	14,399	77,727	32,934	11.5	62.2	26.3
2015	124,508	13,920	76,807	33,781	11.2	61.7	27.1
2016	123,920	13,445	76,025	34,450	10.8	61.4	27.8
2017	123,296	12,973	75,346	34,977	10.5	61.1	28.4
2018	122,637	12,525	74,732	35,380	10.2	60.9	28.8
2019	121,946	12,093	74,199	35,655	9.9	60.8	29.2
2020	121,224	11,690	73,635	35,899	9.6	60.7	29.6
2021	120,471	11,273	73,133	36,064	9.4	60.7	29.9
2022	119,690	10,949	72,610	36,131	9.1	60.7	30.2
2023	118,881	10,678	71,993	36,210	9.0	60.6	30.5
2024	118,047	10,436	71,305	36,307	8.8	60.4	30.8
2025	117,190	10,220	70,615	36,354	8.7	60.3	31.0
2026	116,309	10,028	69,910	36,371	8.6	60.1	31.3
2027	115,408	9,856	69,163	36,388	8.5	59.9	31.5
2028	114,485	9,700	68,348	36,438	8.5	59.7	31.8
2029	113,542	9,556	67,476	36,510	8.4	59.4	32.2
2030	112,578	9,420	66,488	36,670	8.4	59.1	32.6
2031	111,594	9,291	65,801	36,502	8.3	59.0	32.7
2032	110,589	9,164	64,744	36,681	8.3	58.5	33.2
2033	109,562	9,038	63,674	36,851	8.2	58.1	33.6
2034	108,516	8,911	62,564	37,041	8.2	57.7	34.1
2035	107,448	8,780	61,419	37,249	8.2	57.2	34.7
2036	106,361	8,644	60,219	37,498	8.1	56.6	35.3
2037	105,254	8,502	58,974	37,779	8.1	56.0	35.9
2038	104,130	8,352	57,691	38,087	8.0	55.4	36.6
2039	102,989	8,196	56,439	38,354	8.0	54.8	37.2
2040	101,834	8,032	55,275	38,527	7.9	54.3	37.8
2041	100,666	7,861	54,187	38,619	7.8	53.8	38.4
2042	99,488	7,684	53,173	38,632	7.7	53.4	38.8
2043	98,303	7,502	52,196	38,605	7.6	53.1	39.3
2044	97,112	7,316	51,274	38,522	7.5	52.8	39.7
2045	95,918	7,128	50,383	38,407	7.4	52.5	40.0
2046	94,724	6,941	49,538	38,245	7.3	52.3	40.4
2047	93,530	6,755	48,696	38,079	7.2	52.1	40.7
2048	92,338	6,572	47,831	37,934	7.1	51.8	41.1
2049	91,149	6,395	46,961	37,794	7.0	51.5	41.5
2050	89,966	6,224	46,101	37,641	6.9	51.2	41.8
2051	88,787	6,062	45,271	37,453	6.8	51.0	42.2
2052	87,612	5,909	44,454	37,248	6.7	50.7	42.5
2053	86,441	5,766	43,660	37,014	6.7	50.5	42.8
2054	85,273	5,633	42,887	36,753	6.6	50.3	43.1
2055	84,106	5,510	42,133	36,463	6.6	50.1	43.4

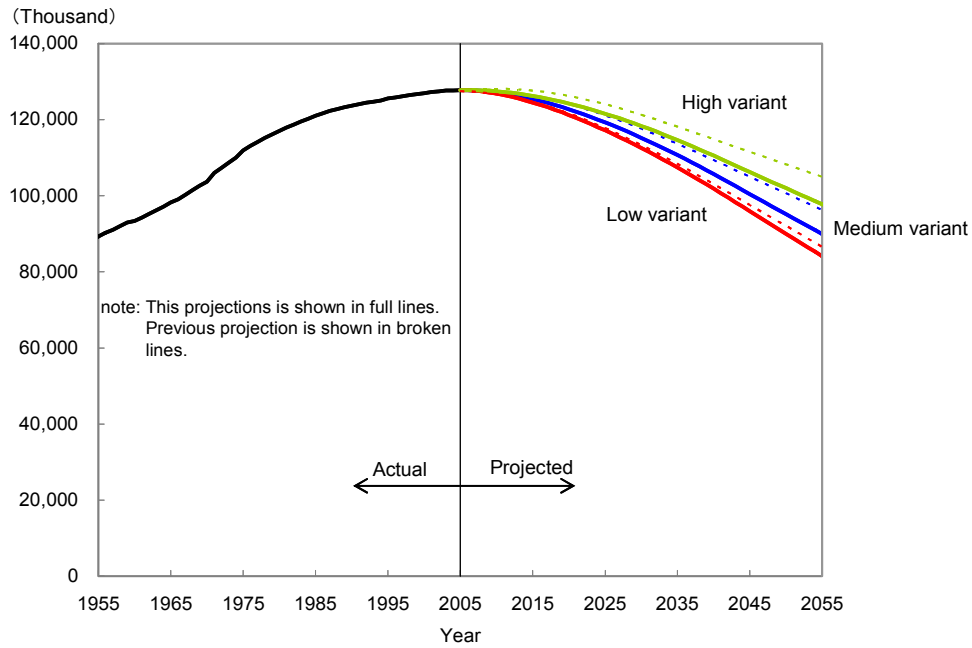
Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 1-4 Mean age and age structure index of population [Medium, high and low-variant fertility (with Medium-variant mortality) ]**

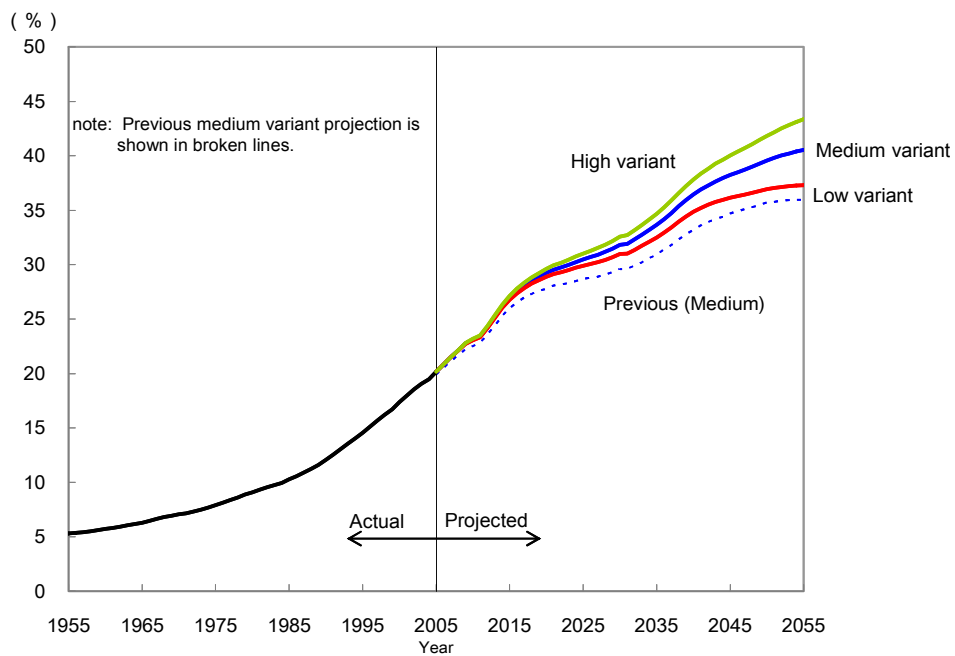
Year	Medium fertility (medium mortality)				High fertility (medium mortality)				Low fertility (medium mortality)			
	Mean Age (yr.)	Age Dependency Ratio(%)			Mean Age (yr.)	Age Dependency Ratio(%)			Mean Age (yr.)	Age Dependency Ratio(%)		
		Total	Children 0-14	Old-age 65+		Total	Children 0-14	Old-age 65+		Total	Children 0-14	Old-age 65+
2005	43.3	51.3	20.8	30.5	43.3	51.3	20.8	30.5	43.3	51.3	20.8	30.5
2006	43.7	52.6	20.8	31.8	43.7	52.6	20.8	31.8	43.7	52.6	20.8	31.8
2007	44.0	53.8	20.8	33.1	44.0	53.9	20.8	33.1	44.0	53.7	20.7	33.1
2008	44.4	54.9	20.7	34.3	44.3	55.1	20.8	34.3	44.4	54.8	20.5	34.3
2009	44.7	56.0	20.5	35.5	44.6	56.3	20.8	35.5	44.8	55.7	20.2	35.5
2010	45.1	56.5	20.3	36.2	45.0	56.8	20.6	36.2	45.2	56.0	19.8	36.2
2011	45.4	56.7	20.0	36.7	45.3	57.1	20.4	36.7	45.6	56.1	19.4	36.7
2012	45.8	58.3	19.9	38.4	45.6	58.9	20.4	38.4	45.9	57.6	19.1	38.4
2013	46.1	60.1	19.7	40.4	45.9	60.8	20.4	40.4	46.3	59.2	18.8	40.4
2014	46.4	61.9	19.6	42.4	46.2	62.8	20.4	42.4	46.7	60.9	18.5	42.4
2015	46.8	63.3	19.3	44.0	46.5	64.3	20.4	44.0	47.1	62.1	18.1	44.0
2016	47.1	64.4	19.1	45.3	46.8	65.6	20.3	45.3	47.4	63.0	17.7	45.3
2017	47.4	65.2	18.8	46.4	47.0	66.6	20.2	46.4	47.8	63.6	17.2	46.4
2018	47.7	65.8	18.5	47.3	47.3	67.4	20.1	47.3	48.2	64.1	16.8	47.3
2019	48.0	66.2	18.2	48.1	47.6	68.0	20.0	48.1	48.5	64.4	16.3	48.1
2020	48.3	66.7	17.9	48.8	47.8	68.7	20.0	48.8	48.8	64.6	15.9	48.8
2021	48.6	66.9	17.6	49.3	48.0	69.2	19.9	49.3	49.2	64.7	15.4	49.3
2022	48.9	67.1	17.4	49.7	48.3	69.4	19.7	49.7	49.5	64.8	15.1	49.8
2023	49.2	67.4	17.2	50.2	48.5	69.8	19.7	50.1	49.8	65.1	14.8	50.3
2024	49.4	67.7	17.0	50.7	48.7	70.2	19.6	50.6	50.1	65.6	14.6	50.9
2025	49.7	68.1	16.8	51.2	48.9	70.6	19.6	51.0	50.4	66.0	14.5	51.5
2026	49.9	68.4	16.7	51.7	49.1	71.0	19.6	51.4	50.7	66.4	14.3	52.0
2027	50.2	68.8	16.6	52.2	49.3	71.4	19.6	51.8	51.0	66.9	14.3	52.6
2028	50.4	69.4	16.6	52.8	49.5	72.0	19.6	52.4	51.3	67.5	14.2	53.3
2029	50.6	70.0	16.5	53.5	49.6	72.6	19.7	53.0	51.5	68.3	14.2	54.1
2030	50.9	70.9	16.5	54.4	49.8	73.5	19.8	53.8	51.8	69.3	14.2	55.2
2031	51.1	71.1	16.5	54.6	49.9	73.6	19.8	53.9	52.0	69.6	14.1	55.5
2032	51.3	72.2	16.5	55.7	50.1	74.6	19.8	54.8	52.3	70.8	14.2	56.7
2033	51.5	73.3	16.6	56.7	50.2	75.7	19.9	55.7	52.5	72.1	14.2	57.9
2034	51.7	74.6	16.6	57.9	50.4	76.8	20.0	56.7	52.8	73.4	14.2	59.2
2035	51.8	75.9	16.7	59.2	50.5	78.0	20.2	57.8	53.0	74.9	14.3	60.6
2036	52.0	77.4	16.8	60.6	50.6	79.4	20.3	59.1	53.2	76.6	14.4	62.3
2037	52.2	79.1	16.9	62.2	50.7	80.9	20.4	60.5	53.4	78.5	14.4	64.1
2038	52.4	81.0	17.0	64.0	50.8	82.5	20.6	61.9	53.7	80.5	14.5	66.0
2039	52.5	82.8	17.1	65.7	50.9	84.1	20.7	63.4	53.9	82.5	14.5	68.0
2040	52.7	84.3	17.2	67.2	51.1	85.4	20.8	64.6	54.1	84.2	14.5	69.7
2041	52.9	85.7	17.2	68.5	51.2	86.5	20.9	65.7	54.3	85.8	14.5	71.3
2042	53.0	86.8	17.2	69.7	51.2	87.4	20.9	66.5	54.5	87.1	14.5	72.7
2043	53.2	87.9	17.2	70.7	51.3	88.2	20.9	67.3	54.7	88.3	14.4	74.0
2044	53.4	88.7	17.1	71.6	51.4	88.8	20.9	67.9	55.0	89.4	14.3	75.1
2045	53.5	89.5	17.0	72.5	51.5	89.4	20.9	68.5	55.2	90.4	14.1	76.2
2046	53.7	90.1	17.0	73.2	51.6	89.8	20.9	68.9	55.4	91.2	14.0	77.2
2047	53.8	90.8	16.9	73.9	51.7	90.1	20.9	69.3	55.6	92.1	13.9	78.2
2048	54.0	91.5	16.8	74.7	51.8	90.6	20.8	69.8	55.8	93.0	13.7	79.3
2049	54.1	92.3	16.7	75.5	51.8	91.1	20.8	70.3	56.0	94.1	13.6	80.5
2050	54.3	93.0	16.7	76.4	51.9	91.6	20.8	70.7	56.2	95.2	13.5	81.6
2051	54.4	93.7	16.6	77.1	52.0	92.0	20.8	71.1	56.4	96.1	13.4	82.7
2052	54.6	94.3	16.5	77.8	52.1	92.3	20.8	71.4	56.6	97.1	13.3	83.8
2053	54.7	94.8	16.5	78.4	52.1	92.5	20.8	71.7	56.8	98.0	13.2	84.8
2054	54.9	95.3	16.4	78.9	52.2	92.7	20.9	71.8	57.0	98.8	13.1	85.7
2055	55.0	95.7	16.4	79.4	52.3	92.7	20.9	71.9	57.2	99.6	13.1	86.5

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

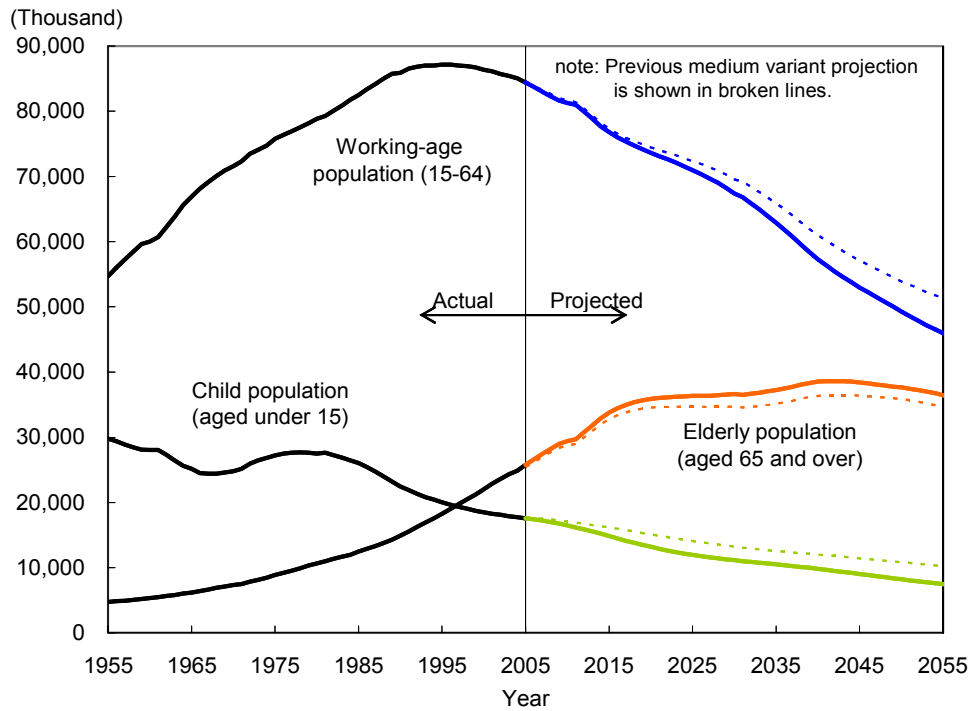
**Figure 1-1 Actual and projected population of Japan**  
**- Medium, high and low fertility (with medium mortality) variants -**



**Figure 1-2 Trends in the proportion of elderly**  
**- Medium, high and low fertility (with medium mortality) variants -**



**Figure 1-3 Trends in the number of major three age groups  
- Medium fertility (with medium mortality) variant -**



**Figure 1-4 Trends in the proportion of major three age groups  
- Medium fertility (with medium mortality) variant -**

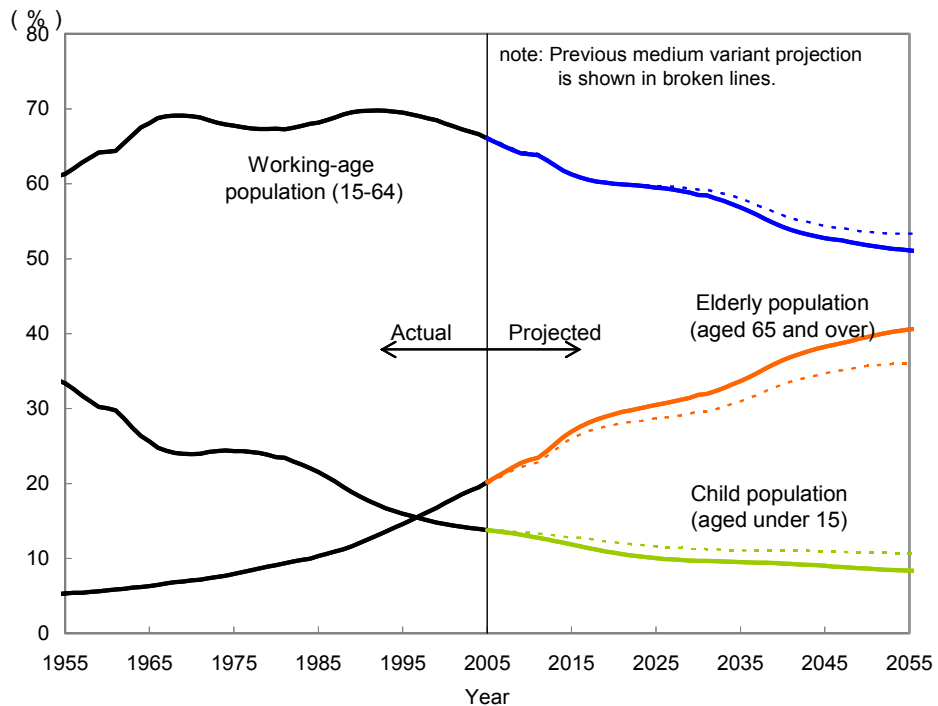
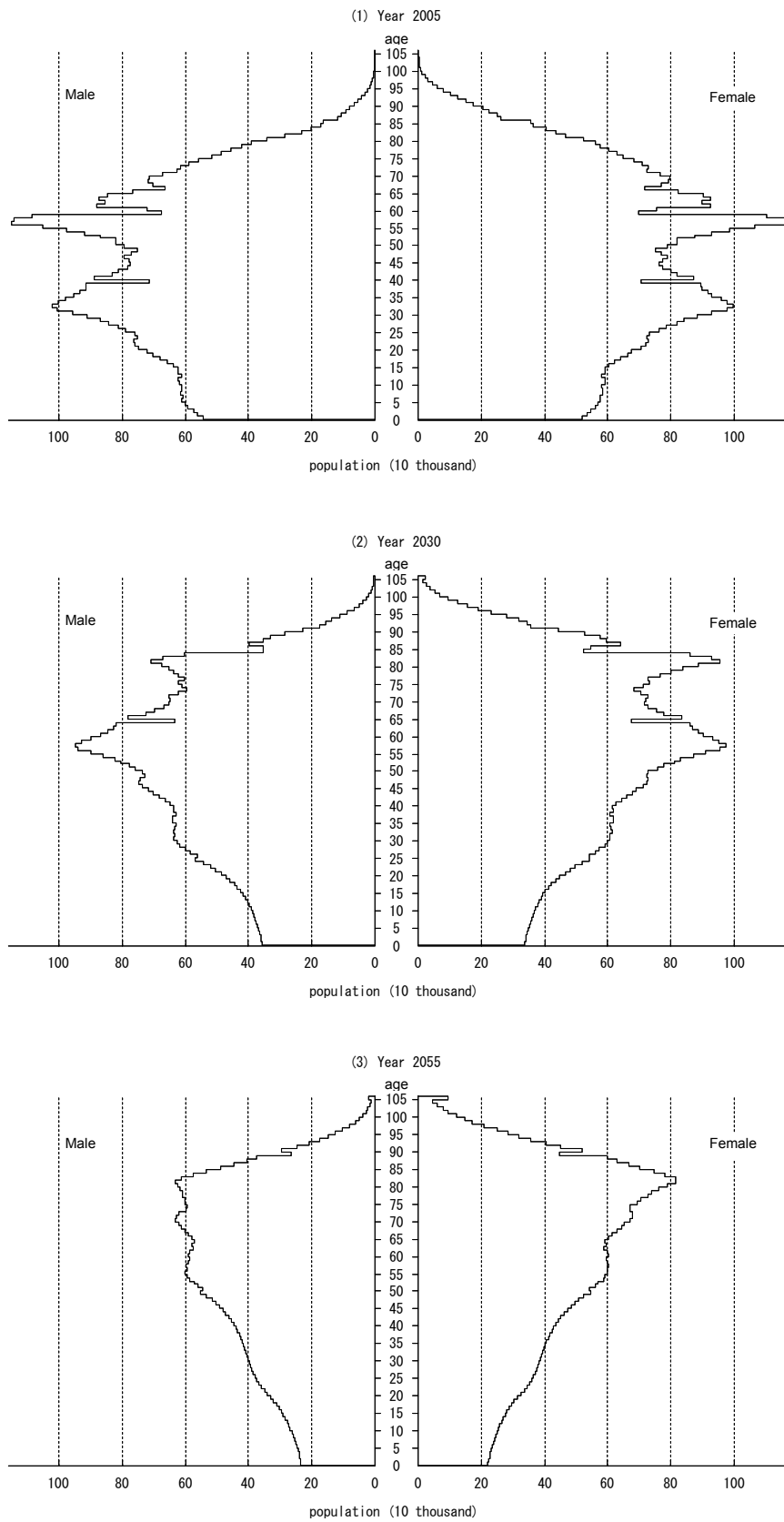


Figure 1-5 Population pyramid: Medium fertility (with Medium mortality) variant



[Results of Projections Based on High and Low Variants of Mortality]

**Table 2-1 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with High-variant mortality)]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,736	17,436	83,725	26,575	13.7	65.5	20.8
2007	127,632	17,237	83,001	27,393	13.5	65.0	21.5
2008	127,469	17,022	82,321	28,125	13.4	64.6	22.1
2009	127,257	16,763	81,627	28,868	13.2	64.1	22.7
2010	126,998	16,478	81,263	29,257	13.0	64.0	23.0
2011	126,693	16,192	80,989	29,513	12.8	63.9	23.3
2012	126,343	15,878	79,950	30,515	12.6	63.3	24.2
2013	125,951	15,540	78,826	31,584	12.3	62.6	25.1
2014	125,517	15,199	77,691	32,627	12.1	61.9	26.0
2015	125,044	14,839	76,768	33,436	11.9	61.4	26.7
2016	124,531	14,483	75,983	34,065	11.6	61.0	27.4
2017	123,981	14,130	75,301	34,551	11.4	60.7	27.9
2018	123,395	13,799	74,684	34,911	11.2	60.5	28.3
2019	122,774	13,484	74,148	35,142	11.0	60.4	28.6
2020	122,121	13,197	73,581	35,343	10.8	60.3	28.9
2021	121,437	12,888	73,084	35,465	10.6	60.2	29.2
2022	120,723	12,618	72,617	35,489	10.5	60.2	29.4
2023	119,983	12,377	72,080	35,526	10.3	60.1	29.6
2024	119,218	12,155	71,482	35,582	10.2	60.0	29.8
2025	118,430	11,951	70,890	35,589	10.1	59.9	30.1
2026	117,618	11,764	70,289	35,565	10.0	59.8	30.2
2027	116,785	11,592	69,652	35,541	9.9	59.6	30.4
2028	115,931	11,433	68,948	35,550	9.9	59.5	30.7
2029	115,057	11,285	68,191	35,581	9.8	59.3	30.9
2030	114,163	11,145	67,319	35,699	9.8	59.0	31.3
2031	113,249	11,012	66,747	35,491	9.7	58.9	31.3
2032	112,317	10,883	65,805	35,630	9.7	58.6	31.7
2033	111,367	10,757	64,850	35,760	9.7	58.2	32.1
2034	110,398	10,632	63,855	35,912	9.6	57.8	32.5
2035	109,412	10,506	62,824	36,083	9.6	57.4	33.0
2036	108,410	10,379	61,736	36,295	9.6	56.9	33.5
2037	107,392	10,248	60,603	36,540	9.5	56.4	34.0
2038	106,359	10,113	59,432	36,814	9.5	55.9	34.6
2039	105,314	9,973	58,292	37,050	9.5	55.4	35.2
2040	104,259	9,827	57,240	37,192	9.4	54.9	35.7
2041	103,194	9,676	56,262	37,256	9.4	54.5	36.1
2042	102,123	9,520	55,359	37,243	9.3	54.2	36.5
2043	101,046	9,360	54,494	37,193	9.3	53.9	36.8
2044	99,967	9,196	53,683	37,088	9.2	53.7	37.1
2045	98,886	9,029	52,903	36,953	9.1	53.5	37.4
2046	97,805	8,862	52,171	36,773	9.1	53.3	37.6
2047	96,726	8,694	51,444	36,589	9.0	53.2	37.8
2048	95,650	8,529	50,694	36,428	8.9	53.0	38.1
2049	94,577	8,366	49,940	36,271	8.8	52.8	38.4
2050	93,508	8,207	49,199	36,102	8.8	52.6	38.6
2051	92,442	8,054	48,490	35,898	8.7	52.5	38.8
2052	91,378	7,908	47,795	35,675	8.7	52.3	39.0
2053	90,316	7,767	47,126	35,423	8.6	52.2	39.2
2054	89,255	7,635	46,478	35,143	8.6	52.1	39.4
2055	88,193	7,509	45,852	34,833	8.5	52.0	39.5

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 2-2 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with High-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,751	17,451	83,725	26,575	13.7	65.5	20.8
2007	127,699	17,305	83,001	27,393	13.6	65.0	21.5
2008	127,604	17,157	82,321	28,125	13.4	64.5	22.0
2009	127,465	16,970	81,627	28,868	13.3	64.0	22.6
2010	127,285	16,765	81,263	29,257	13.2	63.8	23.0
2011	127,066	16,564	80,989	29,513	13.0	63.7	23.2
2012	126,810	16,345	79,950	30,515	12.9	63.0	24.1
2013	126,521	16,110	78,826	31,584	12.7	62.3	25.0
2014	126,199	15,880	77,691	32,627	12.6	61.6	25.9
2015	125,845	15,640	76,768	33,436	12.4	61.0	26.6
2016	125,460	15,412	75,983	34,065	12.3	60.6	27.2
2017	125,044	15,193	75,301	34,551	12.1	60.2	27.6
2018	124,598	15,002	74,684	34,911	12.0	59.9	28.0
2019	124,122	14,833	74,148	35,142	11.9	59.7	28.3
2020	123,619	14,696	73,581	35,343	11.9	59.5	28.6
2021	123,089	14,526	73,099	35,465	11.8	59.4	28.8
2022	122,533	14,361	72,684	35,489	11.7	59.3	29.0
2023	121,953	14,213	72,214	35,526	11.7	59.2	29.1
2024	121,351	14,081	71,688	35,582	11.6	59.1	29.3
2025	120,726	13,962	71,175	35,589	11.6	59.0	29.5
2026	120,079	13,855	70,660	35,565	11.5	58.8	29.6
2027	119,411	13,754	70,116	35,541	11.5	58.7	29.8
2028	118,723	13,659	69,515	35,550	11.5	58.6	29.9
2029	118,014	13,565	68,869	35,581	11.5	58.4	30.1
2030	117,285	13,471	68,115	35,699	11.5	58.1	30.4
2031	116,537	13,377	67,669	35,491	11.5	58.1	30.5
2032	115,771	13,281	66,860	35,630	11.5	57.8	30.8
2033	114,986	13,182	66,044	35,760	11.5	57.4	31.1
2034	114,185	13,080	65,193	35,912	11.5	57.1	31.5
2035	113,368	12,975	64,310	36,083	11.4	56.7	31.8
2036	112,535	12,865	63,376	36,295	11.4	56.3	32.3
2037	111,690	12,751	62,398	36,540	11.4	55.9	32.7
2038	110,832	12,633	61,385	36,814	11.4	55.4	33.2
2039	109,965	12,510	60,405	37,050	11.4	54.9	33.7
2040	109,090	12,383	59,515	37,192	11.4	54.6	34.1
2041	108,209	12,253	58,700	37,256	11.3	54.2	34.4
2042	107,324	12,121	57,960	37,243	11.3	54.0	34.7
2043	106,437	11,986	57,258	37,193	11.3	53.8	34.9
2044	105,550	11,851	56,610	37,088	11.2	53.6	35.1
2045	104,664	11,717	55,994	36,953	11.2	53.5	35.3
2046	103,781	11,584	55,425	36,773	11.2	53.4	35.4
2047	102,903	11,454	54,861	36,589	11.1	53.3	35.6
2048	102,029	11,326	54,275	36,428	11.1	53.2	35.7
2049	101,161	11,203	53,686	36,271	11.1	53.1	35.9
2050	100,298	11,085	53,111	36,102	11.1	53.0	36.0
2051	99,439	10,971	52,570	35,898	11.0	52.9	36.1
2052	98,584	10,863	52,046	35,675	11.0	52.8	36.2
2053	97,732	10,760	51,549	35,423	11.0	52.7	36.2
2054	96,881	10,662	51,077	35,143	11.0	52.7	36.3
2055	96,030	10,569	50,628	34,833	11.0	52.7	36.3

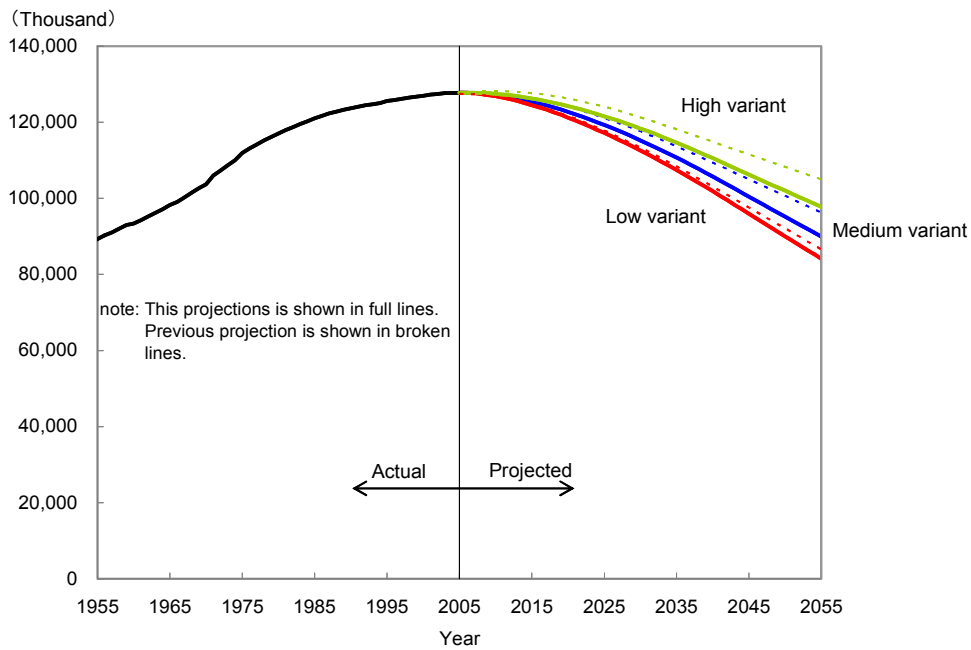
Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 2-3 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with High-variant mortality) ]**

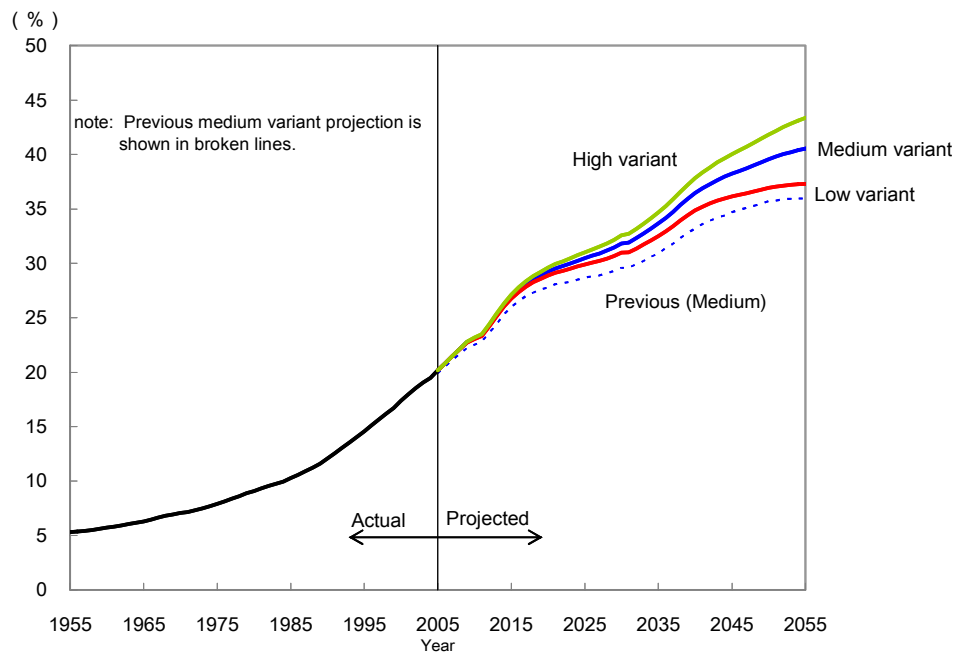
Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,729	17,428	83,725	26,575	13.6	65.5	20.8
2007	127,564	17,169	83,001	27,393	13.5	65.1	21.5
2008	127,317	16,870	82,321	28,125	13.3	64.7	22.1
2009	127,012	16,517	81,627	28,868	13.0	64.3	22.7
2010	126,651	16,131	81,263	29,257	12.7	64.2	23.1
2011	126,238	15,737	80,989	29,513	12.5	64.2	23.4
2012	125,775	15,310	79,950	30,515	12.2	63.6	24.3
2013	125,267	14,856	78,826	31,584	11.9	62.9	25.2
2014	124,715	14,397	77,691	32,627	11.5	62.3	26.2
2015	124,122	13,917	76,768	33,436	11.2	61.8	26.9
2016	123,490	13,442	75,983	34,065	10.9	61.5	27.6
2017	122,822	12,970	75,301	34,551	10.6	61.3	28.1
2018	122,117	12,522	74,684	34,911	10.3	61.2	28.6
2019	121,380	12,090	74,148	35,142	10.0	61.1	29.0
2020	120,610	11,687	73,581	35,343	9.7	61.0	29.3
2021	119,811	11,270	73,076	35,465	9.4	61.0	29.6
2022	118,984	10,945	72,549	35,489	9.2	61.0	29.8
2023	118,130	10,674	71,929	35,526	9.0	60.9	30.1
2024	117,252	10,432	71,238	35,582	8.9	60.8	30.3
2025	116,350	10,217	70,545	35,589	8.8	60.6	30.6
2026	115,426	10,025	69,837	35,565	8.7	60.5	30.8
2027	114,480	9,852	69,087	35,541	8.6	60.3	31.0
2028	113,514	9,696	68,268	35,550	8.5	60.1	31.3
2029	112,526	9,552	67,394	35,581	8.5	59.9	31.6
2030	111,518	9,416	66,403	35,699	8.4	59.5	32.0
2031	110,490	9,287	65,713	35,491	8.4	59.5	32.1
2032	109,443	9,160	64,653	35,630	8.4	59.1	32.6
2033	108,376	9,034	63,582	35,760	8.3	58.7	33.0
2034	107,289	8,906	62,471	35,912	8.3	58.2	33.5
2035	106,183	8,775	61,325	36,083	8.3	57.8	34.0
2036	105,059	8,639	60,125	36,295	8.2	57.2	34.5
2037	103,916	8,497	58,879	36,540	8.2	56.7	35.2
2038	102,758	8,348	57,596	36,814	8.1	56.1	35.8
2039	101,585	8,191	56,345	37,050	8.1	55.5	36.5
2040	100,400	8,027	55,181	37,192	8.0	55.0	37.0
2041	99,205	7,856	54,093	37,256	7.9	54.5	37.6
2042	98,001	7,679	53,079	37,243	7.8	54.2	38.0
2043	96,792	7,497	52,102	37,193	7.7	53.8	38.4
2044	95,579	7,311	51,180	37,088	7.6	53.5	38.8
2045	94,365	7,123	50,288	36,953	7.5	53.3	39.2
2046	93,151	6,936	49,443	36,773	7.4	53.1	39.5
2047	91,939	6,750	48,601	36,589	7.3	52.9	39.8
2048	90,731	6,567	47,736	36,428	7.2	52.6	40.1
2049	89,526	6,390	46,865	36,271	7.1	52.3	40.5
2050	88,326	6,219	46,005	36,102	7.0	52.1	40.9
2051	87,130	6,057	45,176	35,898	7.0	51.8	41.2
2052	85,938	5,904	44,359	35,675	6.9	51.6	41.5
2053	84,749	5,761	43,565	35,423	6.8	51.4	41.8
2054	83,562	5,628	42,791	35,143	6.7	51.2	42.1
2055	82,375	5,505	42,037	34,833	6.7	51.0	42.3

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Figure 2-1 Actual and projected population of Japan  
- Medium, high and low fertility (with high mortality) variants -**



**Figure 2-2 Trends in the proportion of elderly  
- Medium, high and low fertility (with high mortality) variants -**



**Table 3-1 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with Low-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,788	17,437	83,733	26,619	13.6	65.5	20.8
2007	127,756	17,238	83,018	27,500	13.5	65.0	21.5
2008	127,667	17,024	82,346	28,297	13.3	64.5	22.2
2009	127,533	16,764	81,661	29,107	13.1	64.0	22.8
2010	127,352	16,481	81,306	29,565	12.9	63.8	23.2
2011	127,127	16,194	81,041	29,891	12.7	63.7	23.5
2012	126,858	15,881	80,009	30,967	12.5	63.1	24.4
2013	126,548	15,544	78,892	32,112	12.3	62.3	25.4
2014	126,199	15,203	77,762	33,234	12.0	61.6	26.3
2015	125,811	14,844	76,845	34,122	11.8	61.1	27.1
2016	125,386	14,488	76,065	34,832	11.6	60.7	27.8
2017	124,924	14,136	75,389	35,399	11.3	60.3	28.3
2018	124,427	13,806	74,778	35,843	11.1	60.1	28.8
2019	123,897	13,491	74,248	36,158	10.9	59.9	29.2
2020	123,335	13,205	73,687	36,444	10.7	59.7	29.5
2021	122,743	12,895	73,196	36,651	10.5	59.6	29.9
2022	122,122	12,626	72,736	36,761	10.3	59.6	30.1
2023	121,474	12,385	72,206	36,884	10.2	59.4	30.4
2024	120,799	12,163	71,613	37,024	10.1	59.3	30.6
2025	120,100	11,960	71,028	37,113	10.0	59.1	30.9
2026	119,378	11,773	70,433	37,172	9.9	59.0	31.1
2027	118,633	11,601	69,802	37,230	9.8	58.8	31.4
2028	117,866	11,442	69,104	37,320	9.7	58.6	31.7
2029	117,079	11,294	68,353	37,433	9.6	58.4	32.0
2030	116,273	11,154	67,484	37,634	9.6	58.0	32.4
2031	115,445	11,021	66,919	37,505	9.5	58.0	32.5
2032	114,598	10,892	65,981	37,725	9.5	57.6	32.9
2033	113,731	10,767	65,030	37,935	9.5	57.2	33.4
2034	112,844	10,642	64,037	38,165	9.4	56.7	33.8
2035	111,936	10,517	63,008	38,412	9.4	56.3	34.3
2036	111,010	10,389	61,922	38,698	9.4	55.8	34.9
2037	110,064	10,259	60,790	39,016	9.3	55.2	35.4
2038	109,101	10,124	59,618	39,360	9.3	54.6	36.1
2039	108,121	9,984	58,477	39,661	9.2	54.1	36.7
2040	107,127	9,838	57,424	39,865	9.2	53.6	37.2
2041	106,120	9,688	56,446	39,986	9.1	53.2	37.7
2042	105,103	9,532	55,544	40,027	9.1	52.8	38.1
2043	104,076	9,372	54,678	40,026	9.0	52.5	38.5
2044	103,042	9,208	53,868	39,966	8.9	52.3	38.8
2045	102,004	9,042	53,089	39,873	8.9	52.0	39.1
2046	100,963	8,874	52,358	39,731	8.8	51.9	39.4
2047	99,921	8,707	51,631	39,583	8.7	51.7	39.6
2048	98,879	8,541	50,882	39,456	8.6	51.5	39.9
2049	97,839	8,379	50,128	39,332	8.6	51.2	40.2
2050	96,803	8,220	49,387	39,195	8.5	51.0	40.5
2051	95,769	8,067	48,678	39,024	8.4	50.8	40.7
2052	94,740	7,921	47,984	38,835	8.4	50.6	41.0
2053	93,714	7,781	47,315	38,619	8.3	50.5	41.2
2054	92,691	7,648	46,668	38,376	8.3	50.3	41.4
2055	91,669	7,522	46,042	38,104	8.2	50.2	41.6

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 3-2 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with Low-variant mortality)]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,803	17,451	83,733	26,619	13.7	65.5	20.8
2007	127,823	17,306	83,018	27,500	13.5	64.9	21.5
2008	127,802	17,159	82,346	28,297	13.4	64.4	22.1
2009	127,740	16,972	81,661	29,107	13.3	63.9	22.8
2010	127,639	16,767	81,306	29,565	13.1	63.7	23.2
2011	127,499	16,567	81,041	29,891	13.0	63.6	23.4
2012	127,325	16,348	80,009	30,967	12.8	62.8	24.3
2013	127,118	16,114	78,892	32,112	12.7	62.1	25.3
2014	126,880	15,885	77,762	33,234	12.5	61.3	26.2
2015	126,612	15,645	76,845	34,122	12.4	60.7	26.9
2016	126,315	15,417	76,065	34,832	12.2	60.2	27.6
2017	125,987	15,199	75,389	35,399	12.1	59.8	28.1
2018	125,631	15,009	74,778	35,843	11.9	59.5	28.5
2019	125,246	14,840	74,248	36,158	11.8	59.3	28.9
2020	124,834	14,704	73,687	36,444	11.8	59.0	29.2
2021	124,396	14,534	73,211	36,651	11.7	58.9	29.5
2022	123,933	14,370	72,803	36,761	11.6	58.7	29.7
2023	123,445	14,222	72,339	36,884	11.5	58.6	29.9
2024	122,933	14,090	71,819	37,024	11.5	58.4	30.1
2025	122,398	13,972	71,313	37,113	11.4	58.3	30.3
2026	121,840	13,865	70,804	37,172	11.4	58.1	30.5
2027	121,261	13,765	70,266	37,230	11.4	57.9	30.7
2028	120,660	13,669	69,671	37,320	11.3	57.7	30.9
2029	120,039	13,576	69,030	37,433	11.3	57.5	31.2
2030	119,397	13,482	68,281	37,634	11.3	57.2	31.5
2031	118,736	13,388	67,842	37,505	11.3	57.1	31.6
2032	118,054	13,292	67,037	37,725	11.3	56.8	32.0
2033	117,354	13,194	66,225	37,935	11.2	56.4	32.3
2034	116,634	13,092	65,377	38,165	11.2	56.1	32.7
2035	115,895	12,987	64,496	38,412	11.2	55.7	33.1
2036	115,139	12,878	63,563	38,698	11.2	55.2	33.6
2037	114,367	12,764	62,586	39,016	11.2	54.7	34.1
2038	113,579	12,646	61,573	39,360	11.1	54.2	34.7
2039	112,777	12,524	60,592	39,661	11.1	53.7	35.2
2040	111,964	12,398	59,701	39,865	11.1	53.3	35.6
2041	111,141	12,268	58,886	39,986	11.0	53.0	36.0
2042	110,310	12,136	58,147	40,027	11.0	52.7	36.3
2043	109,473	12,002	57,446	40,026	11.0	52.5	36.6
2044	108,632	11,867	56,799	39,966	10.9	52.3	36.8
2045	107,790	11,733	56,184	39,873	10.9	52.1	37.0
2046	106,948	11,600	55,616	39,731	10.8	52.0	37.2
2047	106,106	11,470	55,053	39,583	10.8	51.9	37.3
2048	105,268	11,343	54,468	39,456	10.8	51.7	37.5
2049	104,433	11,221	53,880	39,332	10.7	51.6	37.7
2050	103,603	11,102	53,306	39,195	10.7	51.5	37.8
2051	102,778	10,989	52,765	39,024	10.7	51.3	38.0
2052	101,958	10,881	52,242	38,835	10.7	51.2	38.1
2053	101,143	10,778	51,746	38,619	10.7	51.2	38.2
2054	100,331	10,680	51,275	38,376	10.6	51.1	38.2
2055	99,520	10,588	50,828	38,104	10.6	51.1	38.3

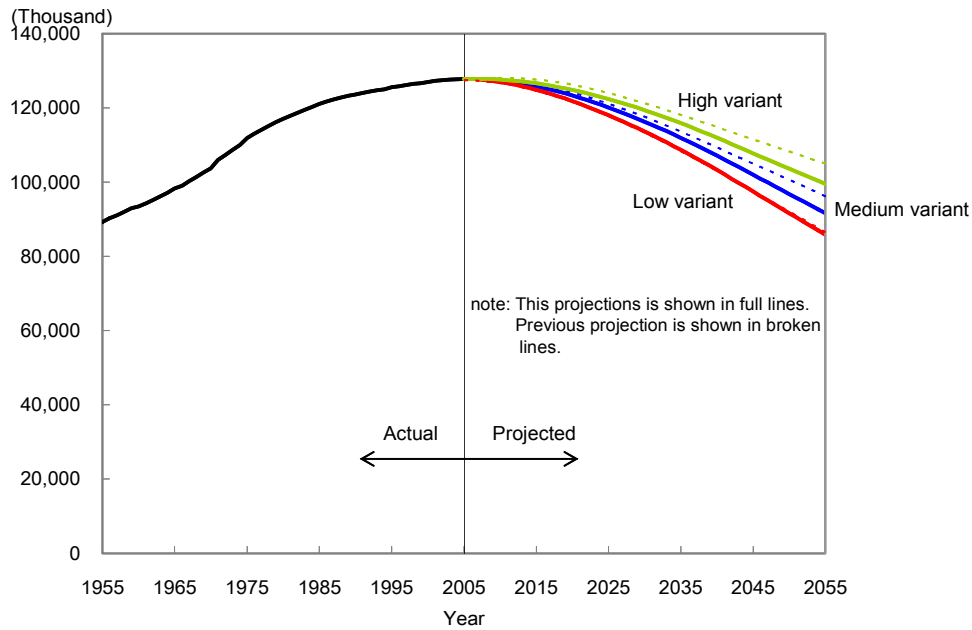
Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Table 3-3 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with Low-variant mortality) ]**

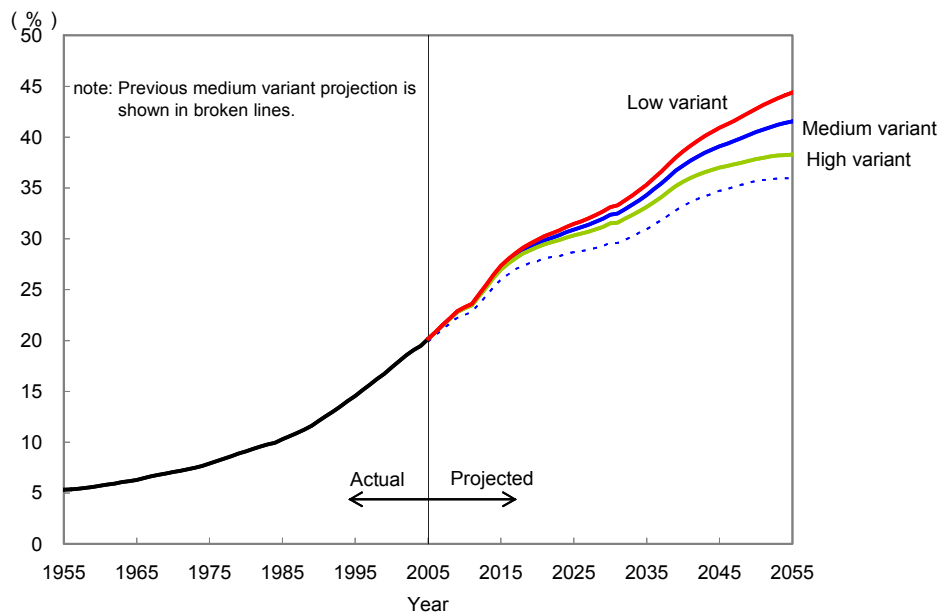
Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2005	127,768	17,585	84,422	25,761	13.8	66.1	20.2
2006	127,780	17,429	83,733	26,619	13.6	65.5	20.8
2007	127,687	17,170	83,018	27,500	13.4	65.0	21.5
2008	127,515	16,871	82,346	28,297	13.2	64.6	22.2
2009	127,287	16,519	81,661	29,107	13.0	64.2	22.9
2010	127,005	16,133	81,306	29,565	12.7	64.0	23.3
2011	126,671	15,739	81,041	29,891	12.4	64.0	23.6
2012	126,290	15,313	80,009	30,967	12.1	63.4	24.5
2013	125,863	14,860	78,892	32,112	11.8	62.7	25.5
2014	125,396	14,401	77,762	33,234	11.5	62.0	26.5
2015	124,889	13,922	76,845	34,122	11.1	61.5	27.3
2016	124,344	13,447	76,065	34,832	10.8	61.2	28.0
2017	123,764	12,976	75,389	35,399	10.5	60.9	28.6
2018	123,149	12,528	74,778	35,843	10.2	60.7	29.1
2019	122,502	12,096	74,248	36,158	9.9	60.6	29.5
2020	121,823	11,693	73,687	36,444	9.6	60.5	29.9
2021	121,116	11,277	73,188	36,651	9.3	60.4	30.3
2022	120,381	10,952	72,668	36,761	9.1	60.4	30.5
2023	119,619	10,681	72,055	36,884	8.9	60.2	30.8
2024	118,832	10,439	71,369	37,024	8.8	60.1	31.2
2025	118,019	10,224	70,682	37,113	8.7	59.9	31.4
2026	117,184	10,032	69,980	37,172	8.6	59.7	31.7
2027	116,326	9,860	69,236	37,230	8.5	59.5	32.0
2028	115,447	9,704	68,423	37,320	8.4	59.3	32.3
2029	114,547	9,559	67,554	37,433	8.3	59.0	32.7
2030	113,626	9,424	66,568	37,634	8.3	58.6	33.1
2031	112,684	9,295	65,885	37,505	8.2	58.5	33.3
2032	111,721	9,168	64,829	37,725	8.2	58.0	33.8
2033	110,737	9,042	63,760	37,935	8.2	57.6	34.3
2034	109,731	8,915	62,652	38,165	8.1	57.1	34.8
2035	108,704	8,784	61,508	38,412	8.1	56.6	35.3
2036	107,655	8,648	60,309	38,698	8.0	56.0	35.9
2037	106,585	8,506	59,063	39,016	8.0	55.4	36.6
2038	105,496	8,357	57,780	39,360	7.9	54.8	37.3
2039	104,388	8,200	56,527	39,661	7.9	54.2	38.0
2040	103,264	8,036	55,363	39,865	7.8	53.6	38.6
2041	102,126	7,865	54,274	39,986	7.7	53.1	39.2
2042	100,976	7,688	53,261	40,027	7.6	52.7	39.6
2043	99,816	7,506	52,284	40,026	7.5	52.4	40.1
2044	98,649	7,321	51,362	39,966	7.4	52.1	40.5
2045	97,477	7,133	50,471	39,873	7.3	51.8	40.9
2046	96,302	6,945	49,626	39,731	7.2	51.5	41.3
2047	95,127	6,759	48,785	39,583	7.1	51.3	41.6
2048	93,952	6,577	47,920	39,456	7.0	51.0	42.0
2049	92,780	6,399	47,049	39,332	6.9	50.7	42.4
2050	91,613	6,229	46,189	39,195	6.8	50.4	42.8
2051	90,449	6,067	45,359	39,024	6.7	50.1	43.1
2052	89,291	5,914	44,542	38,835	6.6	49.9	43.5
2053	88,138	5,771	43,748	38,619	6.5	49.6	43.8
2054	86,988	5,638	42,974	38,376	6.5	49.4	44.1
2055	85,840	5,515	42,221	38,104	6.4	49.2	44.4

Current population as of October 1 of each year. Indices for 2005 are based on the "Population Census Report" by the Statistics Bureau, Ministry of Internal Affairs and Communications (the population of "unknown" age adjusted by equally distributing over all age groups).

**Figure 3-1 Actual and projected population of Japan**  
**- Medium, high and low fertility (with low mortality) variants -**



**Figure 3-2 Trends in the proportion of elderly**  
**- Medium, high and low fertility (with low mortality) variants -**



[Assumptions]

**Table 4-1 The total fertility rate:  
Medium, high and low variants**

Year	Medium	High	Low
2005	1.2601	1.2601	1.2601
2006	1.2942	1.3243	1.2662
2007	1.2467	1.3170	1.1626
2008	1.2297	1.3179	1.1185
2009	1.2232	1.3214	1.0980
2010	1.2184	1.3282	1.0806
2011	1.2152	1.3383	1.0666
2012	1.2135	1.3516	1.0560
2013	1.2134	1.3677	1.0486
2014	1.2148	1.3853	1.0441
2015	1.2171	1.4033	1.0418
2016	1.2199	1.4210	1.0410
2017	1.2227	1.4376	1.0411
2018	1.2252	1.4528	1.0415
2019	1.2273	1.4664	1.0421
2020	1.2289	1.4783	1.0425
2021	1.2302	1.4885	1.0426
2022	1.2311	1.4971	1.0423
2023	1.2320	1.5042	1.0417
2024	1.2328	1.5100	1.0409
2025	1.2335	1.5145	1.0400
2026	1.2343	1.5181	1.0393
2027	1.2351	1.5209	1.0386
2028	1.2360	1.5231	1.0383
2029	1.2371	1.5249	1.0382
2030	1.2382	1.5264	1.0384
2031	1.2394	1.5277	1.0389
2032	1.2408	1.5289	1.0397
2033	1.2422	1.5301	1.0407
2034	1.2436	1.5311	1.0419
2035	1.2450	1.5322	1.0433
2036	1.2465	1.5332	1.0448
2037	1.2479	1.5342	1.0463
2038	1.2492	1.5351	1.0478
2039	1.2505	1.5360	1.0491
2040	1.2517	1.5368	1.0504
2041	1.2528	1.5376	1.0516
2042	1.2538	1.5383	1.0527
2043	1.2548	1.5389	1.0538
2044	1.2557	1.5395	1.0547
2045	1.2566	1.5401	1.0556
2046	1.2574	1.5407	1.0564
2047	1.2582	1.5412	1.0571
2048	1.2589	1.5418	1.0578
2049	1.2597	1.5424	1.0584
2050	1.2604	1.5429	1.0591
2051	1.2611	1.5435	1.0598
2052	1.2618	1.5441	1.0605
2053	1.2625	1.5447	1.0613
2054	1.2632	1.5454	1.0622
2055	1.2640	1.5461	1.0630

Figures for 2005 are actual values. Afterwards, figures are based on the projections from medium mortality variant.

**Table 4-2 The life expectancy at birth:  
Medium, high and low variants (continued on  
next page)**

Year	( Years )		
	Medium mortality		
	Male	Female	Sex difference
2005	78.53	85.49	6.96
2006	78.85	85.78	6.93
2007	79.02	85.94	6.92
2008	79.19	86.10	6.91
2009	79.35	86.25	6.90
2010	79.51	86.41	6.90
2011	79.66	86.55	6.89
2012	79.80	86.69	6.89
2013	79.94	86.82	6.88
2014	80.08	86.95	6.87
2015	80.22	87.08	6.86
2016	80.35	87.20	6.85
2017	80.49	87.33	6.84
2018	80.61	87.45	6.83
2019	80.73	87.57	6.84
2020	80.85	87.68	6.83
2021	80.96	87.78	6.83
2022	81.07	87.89	6.82
2023	81.18	87.99	6.81
2024	81.29	88.09	6.80
2025	81.39	88.19	6.79
2026	81.50	88.28	6.79
2027	81.60	88.38	6.78
2028	81.70	88.48	6.78
2029	81.79	88.57	6.78
2030	81.88	88.66	6.78
2031	81.97	88.74	6.78
2032	82.06	88.83	6.77
2033	82.14	88.90	6.76
2034	82.23	88.98	6.76
2035	82.31	89.06	6.75
2036	82.39	89.14	6.74
2037	82.47	89.21	6.74
2038	82.55	89.28	6.73
2039	82.63	89.36	6.73
2040	82.71	89.43	6.72
2041	82.78	89.50	6.72
2042	82.85	89.57	6.72
2043	82.92	89.64	6.72
2044	82.99	89.71	6.72
2045	83.05	89.77	6.72
2046	83.12	89.83	6.72
2047	83.18	89.89	6.71
2048	83.25	89.95	6.70
2049	83.31	90.01	6.70
2050	83.37	90.07	6.69
2051	83.43	90.12	6.69
2052	83.50	90.18	6.68
2053	83.56	90.24	6.68
2054	83.62	90.29	6.67
2055	83.67	90.34	6.67

Figures for 2005 are actual values.

**Table 4-2 The life expectancy at birth: Medium, high and low variants  
(continued)**

Year	High mortality			Low mortality		
	Male	Female	Sex difference	Male	Female	Sex difference
	( Years )					
2005	78.53	85.49	6.96	78.53	85.49	6.96
2006	78.51	85.47	6.96	79.19	86.10	6.90
2007	78.66	85.61	6.96	79.39	86.28	6.89
2008	78.80	85.75	6.95	79.58	86.47	6.88
2009	78.94	85.88	6.94	79.76	86.64	6.88
2010	79.07	86.00	6.93	79.93	86.80	6.87
2011	79.20	86.12	6.92	80.11	86.96	6.86
2012	79.33	86.24	6.92	80.28	87.12	6.84
2013	79.45	86.36	6.91	80.45	87.28	6.83
2014	79.57	86.48	6.90	80.61	87.44	6.82
2015	79.68	86.59	6.91	80.77	87.59	6.82
2016	79.79	86.69	6.90	80.92	87.73	6.82
2017	79.89	86.79	6.89	81.06	87.87	6.81
2018	79.99	86.88	6.89	81.21	88.01	6.79
2019	80.09	86.97	6.88	81.36	88.14	6.78
2020	80.19	87.06	6.87	81.50	88.27	6.77
2021	80.29	87.15	6.87	81.64	88.40	6.76
2022	80.38	87.24	6.86	81.77	88.53	6.76
2023	80.47	87.33	6.86	81.90	88.66	6.76
2024	80.56	87.41	6.85	82.02	88.78	6.76
2025	80.64	87.49	6.85	82.15	88.89	6.75
2026	80.72	87.57	6.85	82.27	89.01	6.74
2027	80.80	87.65	6.85	82.39	89.12	6.73
2028	80.87	87.72	6.85	82.51	89.23	6.72
2029	80.95	87.79	6.84	82.63	89.34	6.71
2030	81.02	87.86	6.84	82.74	89.44	6.70
2031	81.09	87.92	6.83	82.85	89.55	6.70
2032	81.16	87.99	6.83	82.95	89.66	6.71
2033	81.23	88.05	6.82	83.06	89.76	6.70
2034	81.29	88.11	6.82	83.16	89.85	6.69
2035	81.36	88.18	6.82	83.26	89.94	6.68
2036	81.42	88.24	6.81	83.36	90.03	6.68
2037	81.49	88.30	6.81	83.46	90.12	6.67
2038	81.55	88.35	6.80	83.55	90.21	6.66
2039	81.61	88.41	6.80	83.65	90.30	6.65
2040	81.67	88.47	6.80	83.74	90.39	6.64
2041	81.72	88.53	6.80	83.83	90.47	6.64
2042	81.78	88.58	6.80	83.92	90.56	6.64
2043	81.83	88.63	6.80	84.00	90.64	6.64
2044	81.88	88.69	6.80	84.09	90.73	6.64
2045	81.93	88.73	6.80	84.17	90.81	6.64
2046	81.98	88.78	6.80	84.25	90.88	6.63
2047	82.03	88.83	6.79	84.33	90.96	6.63
2048	82.08	88.87	6.79	84.41	91.03	6.62
2049	82.13	88.92	6.79	84.49	91.10	6.61
2050	82.18	88.96	6.78	84.57	91.17	6.60
2051	82.22	89.00	6.78	84.64	91.24	6.60
2052	82.27	89.05	6.78	84.72	91.31	6.59
2053	82.32	89.09	6.77	84.79	91.38	6.58
2054	82.36	89.13	6.77	84.86	91.45	6.58
2055	82.41	89.17	6.77	84.93	91.51	6.58

Figures for 2005 are actual values.

**Table 4-3 Age-specific net international migration rates by sex for Japanese**

Age at the year end	Male	Female	Age at the year end	Male	Female
0	-0.00435	-0.00441	55	-0.00076	0.00005
1	-0.00340	-0.00341	56	-0.00068	0.00010
2	-0.00223	-0.00224	57	-0.00064	0.00012
3	-0.00118	-0.00121	58	-0.00064	0.00011
4	-0.00054	-0.00058	59	-0.00061	0.00012
5	-0.00034	-0.00036	60	-0.00053	0.00015
6	-0.00035	-0.00034	61	-0.00039	0.00021
7	-0.00020	-0.00016	62	-0.00025	0.00024
8	-0.00008	-0.00007	63	-0.00017	0.00022
9	-0.00001	-0.00002	64	-0.00013	0.00020
10	0.00002	0.00000	65	-0.00009	0.00019
11	0.00004	0.00001	66	-0.00002	0.00021
12	0.00020	0.00020	67	0.00002	0.00021
13	0.00035	0.00031	68	0.00004	0.00018
14	0.00035	0.00013	69	0.00007	0.00015
15	0.00031	-0.00001	70	0.00011	0.00012
16	0.00019	-0.00011	71	0.00014	0.00012
17	-0.00006	-0.00028	72	0.00014	0.00013
18	-0.00047	-0.00078	73	0.00012	0.00013
19	-0.00093	-0.00150	74	0.00009	0.00011
20	-0.00130	-0.00214	75	0.00008	0.00007
21	-0.00134	-0.00237	76	0.00007	0.00004
22	-0.00097	-0.00202	77	0.00005	0.00002
23	-0.00055	-0.00155	78	0.00004	0.00002
24	-0.00033	-0.00122	79	0.00004	0.00002
25	-0.00023	-0.00084	80	0.00005	0.00001
26	-0.00023	-0.00047	81	0.00004	0.00001
27	-0.00023	-0.00011	82	0.00004	0.00001
28	-0.00021	0.00000	83	0.00002	0.00001
29	-0.00022	-0.00009	84	0.00001	0.00001
30	-0.00029	-0.00021	85	-0.00001	0.00001
31	-0.00038	-0.00026	86	-0.00002	0.00001
32	-0.00046	-0.00024	87	-0.00003	0.00000
33	-0.00049	-0.00019	88	-0.00003	0.00001
34	-0.00047	-0.00011	89	-0.00003	0.00001
35	-0.00042	-0.00004	90	0.00000	0.00000
36	-0.00040	0.00004	91	0.00000	0.00000
37	-0.00043	0.00014	92	0.00000	0.00000
38	-0.00052	0.00021	93	0.00000	0.00000
39	-0.00059	0.00028	94	0.00000	0.00000
40	-0.00062	0.00033	95	0.00000	0.00000
41	-0.00062	0.00037	96	0.00000	0.00000
42	-0.00062	0.00037	97	0.00000	0.00000
43	-0.00062	0.00032	98	0.00000	0.00000
44	-0.00063	0.00025	99	0.00000	0.00000
45	-0.00066	0.00016	100	0.00000	0.00000
46	-0.00071	0.00009	101	0.00000	0.00000
47	-0.00076	0.00004	102	0.00000	0.00000
48	-0.00080	0.00002	103	0.00000	0.00000
49	-0.00081	0.00000	104	0.00000	0.00000
50	-0.00081	-0.00002	105+	0.00000	0.00000
51	-0.00082	-0.00003			
52	-0.00085	-0.00004			
53	-0.00086	-0.00004			
54	-0.00084	0.00000			

Rate of net international migration of Japanese to the total Japanese population.

**Table 4-4 Non-Japanese net migrants by sex** (Persons)

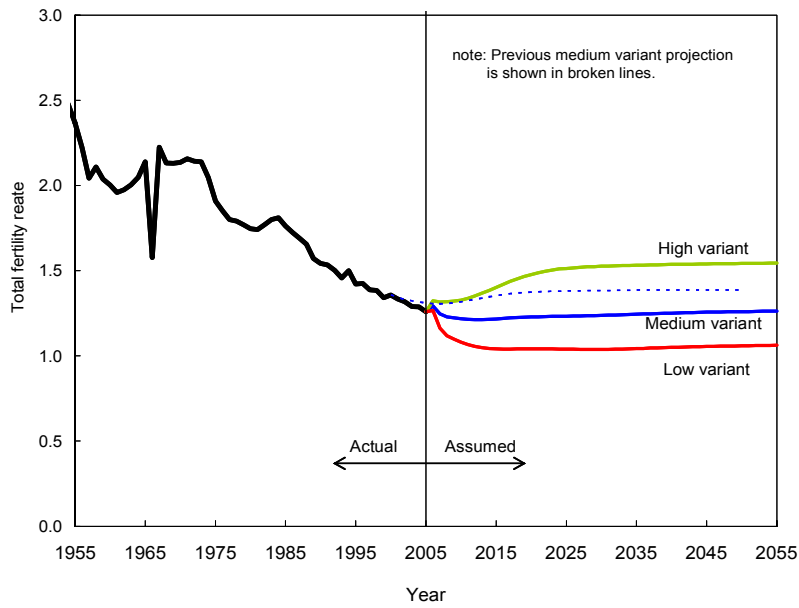
Year at the term end	Male	Female	Year at the term end	Male	Female	Year at the term end	Male	Female
2006	25,890	26,462	2013	30,106	37,518	2020	32,384	40,838
2007	26,677	28,972	2014	30,518	38,263	2021	32,617	41,067
2008	27,390	31,079	2015	30,896	38,891	2022	32,833	41,261
2009	28,038	32,848	2016	31,244	39,421	2023	33,034	41,427
2010	28,627	34,334	2017	31,564	39,869	2024	33,220	41,567
2011	29,165	35,583	2018	31,859	40,247	2025	33,393	41,686
2012	29,656	36,634	2019	32,132	40,567			

**Table 4-5 Age distributions of non-Japanese net migrants by sex**

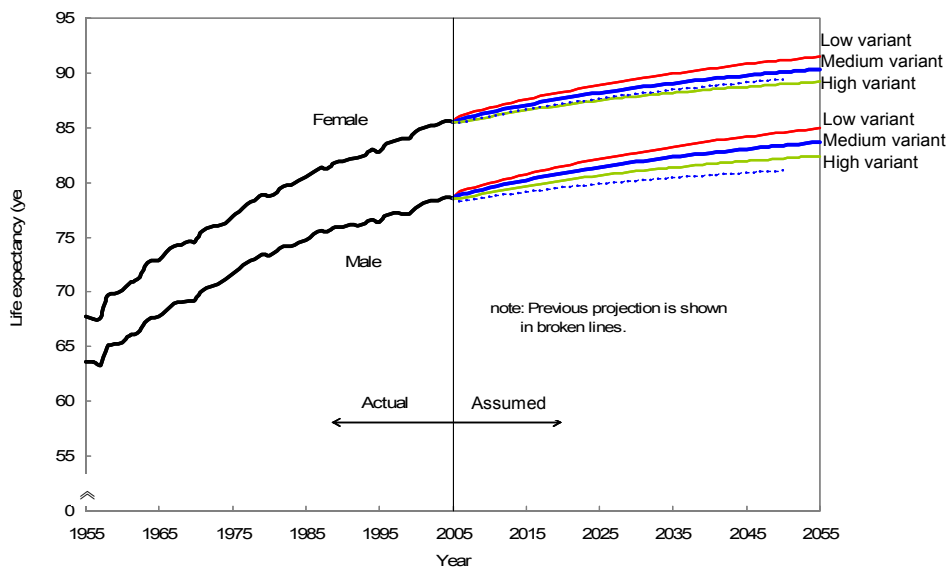
Age at the year end	Male	Female	Age at the year end	Male	Female
0	-0.00180	-0.00044	55	-0.00198	-0.00136
1	0.00326	0.00243	56	-0.00222	-0.00153
2	0.00474	0.00309	57	-0.00275	-0.00181
3	0.00304	0.00183	58	-0.00336	-0.00199
4	-0.00004	-0.00005	59	-0.00364	-0.00197
5	-0.00219	-0.00115	60	-0.00340	-0.00185
6	-0.00212	-0.00087	61	-0.00278	-0.00171
7	-0.00102	-0.00012	62	-0.00227	-0.00154
8	0.00045	0.00072	63	-0.00201	-0.00137
9	0.00185	0.00143	64	-0.00197	-0.00119
10	0.00267	0.00182	65	-0.00192	-0.00106
11	0.00283	0.00189	66	-0.00157	-0.00095
12	0.00305	0.00214	67	-0.00118	-0.00090
13	0.00457	0.00297	68	-0.00091	-0.00087
14	0.00626	0.00221	69	-0.00086	-0.00080
15	0.00836	0.00228	70	-0.00083	-0.00068
16	0.01844	0.01240	71	-0.00067	-0.00053
17	0.04253	0.03911	72	-0.00055	-0.00043
18	0.07496	0.07820	73	-0.00049	-0.00040
19	0.10608	0.11587	74	-0.00048	-0.00041
20	0.12761	0.13681	75	-0.00046	-0.00041
21	0.13486	0.13368	76	-0.00037	-0.00036
22	0.12916	0.11243	77	-0.00027	-0.00027
23	0.11464	0.08625	78	-0.00031	-0.00019
24	0.09288	0.06304	79	-0.00044	-0.00014
25	0.06653	0.04632	80	-0.00052	-0.00011
26	0.04411	0.03684	81	-0.00046	-0.00011
27	0.03086	0.03207	82	-0.00034	-0.00013
28	0.02283	0.02817	83	-0.00023	-0.00013
29	0.01665	0.02326	84	-0.00019	-0.00010
30	0.01133	0.01749	85	-0.00018	-0.00007
31	0.00706	0.01187	86	-0.00018	-0.00005
32	0.00418	0.00738	87	-0.00014	-0.00003
33	0.00196	0.00430	88	-0.00009	-0.00002
34	-0.00073	0.00252	89	-0.00004	-0.00001
35	-0.00356	0.00211	90	0.00001	0.00000
36	-0.00551	0.00242	91	0.00000	0.00000
37	-0.00594	0.00277	92	0.00000	0.00000
38	-0.00532	0.00280	93	0.00000	0.00000
39	-0.00438	0.00253	94	0.00000	0.00000
40	-0.00325	0.00225	95	0.00000	0.00000
41	-0.00194	0.00224	96	0.00000	0.00000
42	-0.00083	0.00232	97	0.00000	0.00000
43	-0.00010	0.00198	98	0.00000	0.00000
44	0.00001	0.00134	99	0.00000	0.00000
45	-0.00021	0.00078	100	0.00000	0.00000
46	-0.00043	0.00037	101	0.00000	0.00000
47	-0.00042	0.00003	102	0.00000	0.00000
48	-0.00042	-0.00024	103	0.00000	0.00000
49	-0.00054	-0.00054	104	0.00000	0.00000
50	-0.00075	-0.00082	105+	0.00000	0.00000
51	-0.00107	-0.00108			
52	-0.00150	-0.00129			
53	-0.00177	-0.00136			
54	-0.00185	-0.00134			

Age distributions assuming the total net migrants as 1 for each sex respectively.

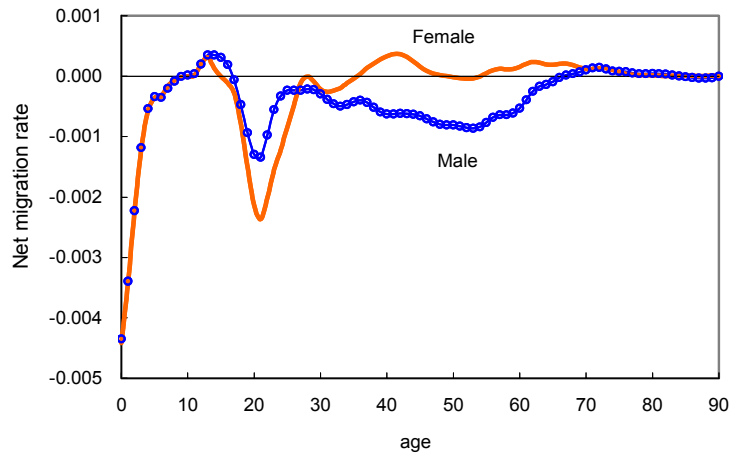
**Figure 4-1 Trends in the total fertility rate: Medium, high and low variants**



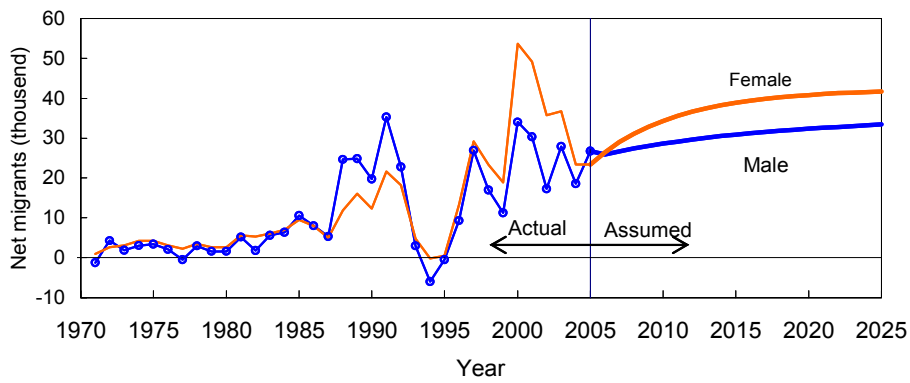
**Figure 4-2 Trends in life expectancy: Medium, high and low variants**



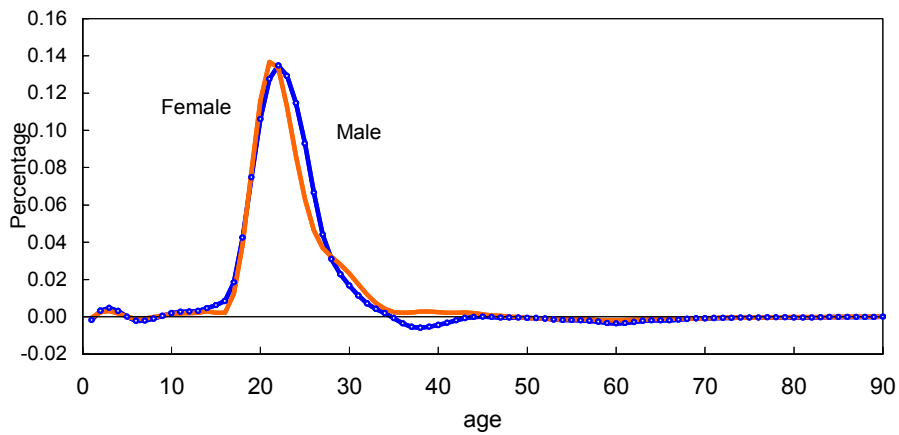
**Figure 4-3 Age-specific net international migration rates by sex for Japanese**



**Figure 4-4 Trends in non-Japanese net migrants by sex**



**Figure 4-5 Age distributions of non-Japanese net migrants by sex**



**[Appendix Long-range Population Projections]**

In order to be used as a reference for the analysis on population development for the long term, ancillary projections were made for the period from 2056 to 2105. Mortality rate, fertility rate, sex ratio at births, and rate (number) of international net migration are assumed to remain constant for 2056 and thereafter.

**Table A-1 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with Medium-variant mortality)]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	88,882	7,397	45,336	36,149	8.3	51.0	40.7
2057	87,825	7,286	44,707	35,832	8.3	50.9	40.8
2058	86,757	7,181	44,086	35,491	8.3	50.8	40.9
2059	85,679	7,081	43,437	35,161	8.3	50.7	41.0
2060	84,592	6,987	42,778	34,827	8.3	50.6	41.2
2061	83,495	6,897	42,130	34,468	8.3	50.5	41.3
2062	82,390	6,810	41,468	34,112	8.3	50.3	41.4
2063	81,278	6,726	40,795	33,758	8.3	50.2	41.5
2064	80,162	6,644	40,127	33,391	8.3	50.1	41.7
2065	79,043	6,563	39,452	33,028	8.3	49.9	41.8
2066	77,923	6,483	38,788	32,653	8.3	49.8	41.9
2067	76,805	6,402	38,133	32,269	8.3	49.6	42.0
2068	75,691	6,322	37,507	31,863	8.4	49.6	42.1
2069	74,585	6,240	36,901	31,444	8.4	49.5	42.2
2070	73,488	6,158	36,325	31,005	8.4	49.4	42.2
2071	72,403	6,074	35,735	30,594	8.4	49.4	42.3
2072	71,332	5,990	35,185	30,157	8.4	49.3	42.3
2073	70,276	5,904	34,665	29,706	8.4	49.3	42.3
2074	69,237	5,818	34,166	29,253	8.4	49.3	42.3
2075	68,216	5,732	33,686	28,798	8.4	49.4	42.2
2076	67,213	5,645	33,223	28,345	8.4	49.4	42.2
2077	66,229	5,558	32,775	27,896	8.4	49.5	42.1
2078	65,263	5,472	32,341	27,450	8.4	49.6	42.1
2079	64,316	5,387	31,918	27,011	8.4	49.6	42.0
2080	63,387	5,304	31,505	26,578	8.4	49.7	41.9
2081	62,475	5,222	31,100	26,152	8.4	49.8	41.9
2082	61,579	5,143	30,703	25,733	8.4	49.9	41.8
2083	60,699	5,065	30,311	25,322	8.3	49.9	41.7
2084	59,834	4,991	29,925	24,918	8.3	50.0	41.6
2085	58,983	4,919	29,543	24,521	8.3	50.1	41.6
2086	58,146	4,850	29,164	24,132	8.3	50.2	41.5
2087	57,322	4,783	28,789	23,750	8.3	50.2	41.4
2088	56,511	4,720	28,415	23,376	8.4	50.3	41.4
2089	55,712	4,658	28,044	23,010	8.4	50.3	41.3
2090	54,925	4,600	27,674	22,651	8.4	50.4	41.2
2091	54,150	4,543	27,306	22,300	8.4	50.4	41.2
2092	53,386	4,489	26,939	21,958	8.4	50.5	41.1
2093	52,634	4,436	26,575	21,623	8.4	50.5	41.1
2094	51,894	4,384	26,214	21,296	8.4	50.5	41.0
2095	51,165	4,334	25,855	20,976	8.5	50.5	41.0
2096	50,449	4,285	25,501	20,663	8.5	50.5	41.0
2097	49,746	4,236	25,152	20,357	8.5	50.6	40.9
2098	49,055	4,188	24,809	20,057	8.5	50.6	40.9
2099	48,377	4,140	24,473	19,764	8.6	50.6	40.9
2100	47,712	4,093	24,144	19,475	8.6	50.6	40.8
2101	47,061	4,045	23,824	19,192	8.6	50.6	40.8
2102	46,424	3,998	23,512	18,914	8.6	50.6	40.7
2103	45,800	3,951	23,209	18,640	8.6	50.7	40.7
2104	45,189	3,903	22,916	18,371	8.6	50.7	40.7
2105	44,592	3,856	22,631	18,105	8.6	50.8	40.6

Current population as of October 1 of each year.

**Table A-2 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with Medium-variant mortality) ]**

Year	Population (thousand) by age group				Proportion (%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	96,938	10,490	50,299	36,149	10.8	51.9	37.3
2057	96,091	10,405	49,854	35,832	10.8	51.9	37.3
2058	95,234	10,324	49,420	35,491	10.8	51.9	37.3
2059	94,367	10,245	48,961	35,161	10.9	51.9	37.3
2060	93,489	10,168	48,495	34,827	10.9	51.9	37.3
2061	92,602	10,093	48,041	34,468	10.9	51.9	37.2
2062	91,706	10,017	47,576	34,112	10.9	51.9	37.2
2063	90,802	9,942	47,102	33,758	10.9	51.9	37.2
2064	89,893	9,866	46,636	33,391	11.0	51.9	37.1
2065	88,980	9,789	46,162	33,028	11.0	51.9	37.1
2066	88,066	9,711	45,702	32,653	11.0	51.9	37.1
2067	87,153	9,632	45,252	32,269	11.1	51.9	37.0
2068	86,244	9,551	44,830	31,863	11.1	52.0	36.9
2069	85,341	9,468	44,428	31,444	11.1	52.1	36.8
2070	84,448	9,385	44,058	31,005	11.1	52.2	36.7
2071	83,566	9,300	43,659	30,607	11.1	52.2	36.6
2072	82,697	9,214	43,266	30,218	11.1	52.3	36.5
2073	81,844	9,127	42,889	29,828	11.2	52.4	36.4
2074	81,006	9,041	42,527	29,439	11.2	52.5	36.3
2075	80,187	8,954	42,177	29,055	11.2	52.6	36.2
2076	79,385	8,868	41,838	28,679	11.2	52.7	36.1
2077	78,601	8,783	41,506	28,312	11.2	52.8	36.0
2078	77,836	8,700	41,179	27,957	11.2	52.9	35.9
2079	77,088	8,618	40,854	27,615	11.2	53.0	35.8
2080	76,356	8,538	40,532	27,287	11.2	53.1	35.7
2081	75,641	8,460	40,210	26,971	11.2	53.2	35.7
2082	74,941	8,385	39,889	26,667	11.2	53.2	35.6
2083	74,255	8,312	39,568	26,375	11.2	53.3	35.5
2084	73,583	8,241	39,248	26,093	11.2	53.3	35.5
2085	72,922	8,173	38,927	25,822	11.2	53.4	35.4
2086	72,273	8,107	38,607	25,559	11.2	53.4	35.4
2087	71,635	8,043	38,287	25,305	11.2	53.4	35.3
2088	71,006	7,982	37,966	25,059	11.2	53.5	35.3
2089	70,387	7,921	37,646	24,820	11.3	53.5	35.3
2090	69,776	7,862	37,326	24,587	11.3	53.5	35.2
2091	69,173	7,804	37,008	24,361	11.3	53.5	35.2
2092	68,578	7,747	36,690	24,140	11.3	53.5	35.2
2093	67,990	7,691	36,375	23,924	11.3	53.5	35.2
2094	67,410	7,635	36,063	23,712	11.3	53.5	35.2
2095	66,836	7,579	35,754	23,503	11.3	53.5	35.2
2096	66,269	7,523	35,450	23,297	11.4	53.5	35.2
2097	65,710	7,466	35,150	23,094	11.4	53.5	35.1
2098	65,157	7,410	34,855	22,893	11.4	53.5	35.1
2099	64,612	7,353	34,566	22,694	11.4	53.5	35.1
2100	64,074	7,296	34,282	22,496	11.4	53.5	35.1
2101	63,543	7,238	34,005	22,300	11.4	53.5	35.1
2102	63,019	7,180	33,734	22,105	11.4	53.5	35.1
2103	62,502	7,123	33,468	21,911	11.4	53.5	35.1
2104	61,992	7,065	33,209	21,719	11.4	53.6	35.0
2105	61,489	7,007	32,955	21,528	11.4	53.6	35.0

Current population as of October 1 of each year.

**Table A-3 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with Medium-variant mortality) ]**

Year	Population (thousand) by age group				Proportion (%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	82,934	5,396	41,389	36,149	6.5	49.9	43.6
2057	81,752	5,291	40,629	35,832	6.5	49.7	43.8
2058	80,562	5,194	39,877	35,491	6.4	49.5	44.1
2059	79,362	5,104	39,097	35,161	6.4	49.3	44.3
2060	78,154	5,020	38,307	34,827	6.4	49.0	44.6
2061	76,937	4,940	37,528	34,468	6.4	48.8	44.8
2062	75,712	4,864	36,736	34,112	6.4	48.5	45.1
2063	74,482	4,791	35,933	33,758	6.4	48.2	45.3
2064	73,247	4,719	35,138	33,391	6.4	48.0	45.6
2065	72,011	4,647	34,335	33,028	6.5	47.7	45.9
2066	70,774	4,576	33,545	32,653	6.5	47.4	46.1
2067	69,540	4,505	32,766	32,269	6.5	47.1	46.4
2068	68,312	4,432	32,017	31,863	6.5	46.9	46.6
2069	67,091	4,358	31,289	31,444	6.5	46.6	46.9
2070	65,881	4,283	30,594	31,005	6.5	46.4	47.1
2071	64,684	4,206	29,891	30,587	6.5	46.2	47.3
2072	63,502	4,128	29,278	30,095	6.5	46.1	47.4
2073	62,336	4,050	28,717	29,569	6.5	46.1	47.4
2074	61,189	3,970	28,187	29,032	6.5	46.1	47.4
2075	60,060	3,890	27,683	28,487	6.5	46.1	47.4
2076	58,952	3,811	27,203	27,938	6.5	46.1	47.4
2077	57,864	3,732	26,744	27,388	6.4	46.2	47.3
2078	56,796	3,654	26,302	26,841	6.4	46.3	47.3
2079	55,749	3,577	25,873	26,298	6.4	46.4	47.2
2080	54,721	3,503	25,455	25,763	6.4	46.5	47.1
2081	53,712	3,431	25,046	25,235	6.4	46.6	47.0
2082	52,722	3,361	24,644	24,716	6.4	46.7	46.9
2083	51,750	3,294	24,248	24,207	6.4	46.9	46.8
2084	50,795	3,231	23,857	23,707	6.4	47.0	46.7
2085	49,858	3,171	23,469	23,218	6.4	47.1	46.6
2086	48,936	3,113	23,085	22,738	6.4	47.2	46.5
2087	48,031	3,059	22,703	22,268	6.4	47.3	46.4
2088	47,141	3,008	22,323	21,809	6.4	47.4	46.3
2089	46,266	2,959	21,946	21,360	6.4	47.4	46.2
2090	45,407	2,913	21,571	20,922	6.4	47.5	46.1
2091	44,562	2,870	21,199	20,494	6.4	47.6	46.0
2092	43,733	2,828	20,829	20,077	6.5	47.6	45.9
2093	42,920	2,787	20,462	19,671	6.5	47.7	45.8
2094	42,122	2,749	20,099	19,275	6.5	47.7	45.8
2095	41,341	2,711	19,742	18,889	6.6	47.8	45.7
2096	40,577	2,673	19,390	18,513	6.6	47.8	45.6
2097	39,830	2,637	19,046	18,147	6.6	47.8	45.6
2098	39,101	2,601	18,709	17,791	6.7	47.8	45.5
2099	38,390	2,565	18,382	17,443	6.7	47.9	45.4
2100	37,697	2,529	18,065	17,103	6.7	47.9	45.4
2101	37,024	2,493	17,759	16,772	6.7	48.0	45.3
2102	36,369	2,457	17,465	16,448	6.8	48.0	45.2
2103	35,734	2,421	17,182	16,131	6.8	48.1	45.1
2104	35,117	2,385	16,910	15,821	6.8	48.2	45.1
2105	34,518	2,350	16,650	15,518	6.8	48.2	45.0

Current population as of October 1 of each year.

**Table A-4 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with High-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	87,125	7,390	45,236	34,499	8.5	51.9	39.6
2057	86,049	7,279	44,607	34,163	8.5	51.8	39.7
2058	84,964	7,174	43,985	33,805	8.4	51.8	39.8
2059	83,871	7,074	43,336	33,461	8.4	51.7	39.9
2060	82,770	6,980	42,678	33,113	8.4	51.6	40.0
2061	81,663	6,889	42,029	32,744	8.4	51.5	40.1
2062	80,550	6,803	41,368	32,379	8.4	51.4	40.2
2063	79,434	6,719	40,695	32,020	8.5	51.2	40.3
2064	78,316	6,637	40,029	31,651	8.5	51.1	40.4
2065	77,199	6,556	39,354	31,290	8.5	51.0	40.5
2066	76,085	6,475	38,691	30,919	8.5	50.9	40.6
2067	74,976	6,395	38,038	30,544	8.5	50.7	40.7
2068	73,875	6,314	37,412	30,149	8.5	50.6	40.8
2069	72,785	6,233	36,807	29,745	8.6	50.6	40.9
2070	71,706	6,150	36,232	29,323	8.6	50.5	40.9
2071	70,642	6,067	35,643	28,932	8.6	50.5	41.0
2072	69,593	5,982	35,094	28,516	8.6	50.4	41.0
2073	68,561	5,897	34,575	28,089	8.6	50.4	41.0
2074	67,547	5,811	34,077	27,660	8.6	50.4	40.9
2075	66,551	5,724	33,597	27,230	8.6	50.5	40.9
2076	65,574	5,637	33,135	26,802	8.6	50.5	40.9
2077	64,615	5,551	32,688	26,376	8.6	50.6	40.8
2078	63,674	5,465	32,255	25,955	8.6	50.7	40.8
2079	62,751	5,380	31,832	25,538	8.6	50.7	40.7
2080	61,844	5,297	31,420	25,128	8.6	50.8	40.6
2081	60,954	5,215	31,016	24,723	8.6	50.9	40.6
2082	60,079	5,135	30,619	24,325	8.5	51.0	40.5
2083	59,219	5,058	30,228	23,933	8.5	51.0	40.4
2084	58,374	4,984	29,842	23,548	8.5	51.1	40.3
2085	57,542	4,912	29,460	23,170	8.5	51.2	40.3
2086	56,723	4,842	29,082	22,798	8.5	51.3	40.2
2087	55,916	4,776	28,707	22,433	8.5	51.3	40.1
2088	55,122	4,712	28,334	22,075	8.5	51.4	40.0
2089	54,340	4,651	27,963	21,725	8.6	51.5	40.0
2090	53,570	4,593	27,594	21,383	8.6	51.5	39.9
2091	52,811	4,536	27,227	21,048	8.6	51.6	39.9
2092	52,065	4,482	26,861	20,722	8.6	51.6	39.8
2093	51,330	4,429	26,497	20,404	8.6	51.6	39.8
2094	50,607	4,378	26,136	20,093	8.7	51.6	39.7
2095	49,897	4,327	25,779	19,791	8.7	51.7	39.7
2096	49,199	4,278	25,425	19,495	8.7	51.7	39.6
2097	48,514	4,229	25,077	19,207	8.7	51.7	39.6
2098	47,842	4,181	24,735	18,926	8.7	51.7	39.6
2099	47,183	4,134	24,399	18,650	8.8	51.7	39.5
2100	46,538	4,086	24,072	18,381	8.8	51.7	39.5
2101	45,907	4,039	23,752	18,116	8.8	51.7	39.5
2102	45,288	3,991	23,441	17,856	8.8	51.8	39.4
2103	44,683	3,944	23,139	17,601	8.8	51.8	39.4
2104	44,091	3,897	22,846	17,349	8.8	51.8	39.3
2105	43,512	3,849	22,561	17,101	8.8	51.9	39.3

Current population as of October 1 of each year.

**Table A-5 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with High-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	95,173	10,480	50,194	34,499	11.0	52.7	36.2
2057	94,307	10,395	49,748	34,163	11.0	52.8	36.2
2058	93,433	10,314	49,313	33,805	11.0	52.8	36.2
2059	92,549	10,235	48,853	33,461	11.1	52.8	36.2
2060	91,658	10,158	48,387	33,113	11.1	52.8	36.1
2061	90,759	10,082	47,933	32,744	11.1	52.8	36.1
2062	89,854	10,007	47,468	32,379	11.1	52.8	36.0
2063	88,945	9,931	46,994	32,020	11.2	52.8	36.0
2064	88,034	9,855	46,528	31,651	11.2	52.9	36.0
2065	87,123	9,778	46,055	31,290	11.2	52.9	35.9
2066	86,213	9,700	45,594	30,919	11.3	52.9	35.9
2067	85,309	9,621	45,144	30,544	11.3	52.9	35.8
2068	84,412	9,540	44,723	30,149	11.3	53.0	35.7
2069	83,524	9,457	44,321	29,745	11.3	53.1	35.6
2070	82,648	9,373	43,951	29,323	11.3	53.2	35.5
2071	81,785	9,288	43,552	28,945	11.4	53.3	35.4
2072	80,938	9,202	43,159	28,577	11.4	53.3	35.3
2073	80,107	9,116	42,782	28,209	11.4	53.4	35.2
2074	79,294	9,029	42,420	27,845	11.4	53.5	35.1
2075	78,498	8,942	42,071	27,485	11.4	53.6	35.0
2076	77,720	8,856	41,732	27,132	11.4	53.7	34.9
2077	76,960	8,771	41,400	26,789	11.4	53.8	34.8
2078	76,217	8,688	41,073	26,457	11.4	53.9	34.7
2079	75,491	8,606	40,748	26,137	11.4	54.0	34.6
2080	74,781	8,526	40,426	25,829	11.4	54.1	34.5
2081	74,085	8,448	40,104	25,533	11.4	54.1	34.5
2082	73,404	8,373	39,783	25,248	11.4	54.2	34.4
2083	72,735	8,300	39,463	24,973	11.4	54.3	34.3
2084	72,079	8,229	39,142	24,708	11.4	54.3	34.3
2085	71,435	8,161	38,822	24,452	11.4	54.3	34.2
2086	70,801	8,095	38,502	24,204	11.4	54.4	34.2
2087	70,176	8,031	38,181	23,964	11.4	54.4	34.1
2088	69,561	7,969	37,861	23,731	11.5	54.4	34.1
2089	68,955	7,909	37,541	23,505	11.5	54.4	34.1
2090	68,357	7,850	37,222	23,285	11.5	54.5	34.1
2091	67,766	7,792	36,903	23,071	11.5	54.5	34.0
2092	67,183	7,735	36,586	22,862	11.5	54.5	34.0
2093	66,607	7,678	36,272	22,657	11.5	54.5	34.0
2094	66,039	7,622	35,960	22,457	11.5	54.5	34.0
2095	65,477	7,566	35,651	22,260	11.6	54.4	34.0
2096	64,923	7,510	35,347	22,066	11.6	54.4	34.0
2097	64,376	7,454	35,047	21,875	11.6	54.4	34.0
2098	63,835	7,397	34,753	21,686	11.6	54.4	34.0
2099	63,302	7,340	34,464	21,498	11.6	54.4	34.0
2100	62,776	7,283	34,181	21,313	11.6	54.4	33.9
2101	62,257	7,225	33,904	21,128	11.6	54.5	33.9
2102	61,745	7,168	33,633	20,945	11.6	54.5	33.9
2103	61,240	7,110	33,368	20,763	11.6	54.5	33.9
2104	60,742	7,052	33,109	20,581	11.6	54.5	33.9
2105	60,250	6,995	32,855	20,401	11.6	54.5	33.9

Current population as of October 1 of each year.

**Table A-6 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with High-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	81,183	5,391	41,293	34,499	6.6	50.9	42.5
2057	79,983	5,286	40,533	34,163	6.6	50.7	42.7
2058	78,776	5,189	39,781	33,805	6.6	50.5	42.9
2059	77,561	5,099	39,001	33,461	6.6	50.3	43.1
2060	76,340	5,015	38,212	33,113	6.6	50.1	43.4
2061	75,113	4,935	37,434	32,744	6.6	49.8	43.6
2062	73,881	4,859	36,643	32,379	6.6	49.6	43.8
2063	72,646	4,785	35,841	32,020	6.6	49.3	44.1
2064	71,411	4,714	35,047	31,651	6.6	49.1	44.3
2065	70,177	4,642	34,245	31,290	6.6	48.8	44.6
2066	68,947	4,571	33,457	30,919	6.6	48.5	44.8
2067	67,724	4,500	32,680	30,544	6.6	48.3	45.1
2068	66,508	4,427	31,932	30,149	6.7	48.0	45.3
2069	65,304	4,353	31,206	29,745	6.7	47.8	45.5
2070	64,114	4,278	30,512	29,323	6.7	47.6	45.7
2071	62,938	4,201	29,812	28,925	6.7	47.4	46.0
2072	61,779	4,123	29,200	28,455	6.7	47.3	46.1
2073	60,639	4,045	28,641	27,953	6.7	47.2	46.1
2074	59,517	3,965	28,111	27,441	6.7	47.2	46.1
2075	58,415	3,885	27,609	26,921	6.7	47.3	46.1
2076	57,334	3,806	27,130	26,398	6.6	47.3	46.0
2077	56,272	3,727	26,672	25,874	6.6	47.4	46.0
2078	55,230	3,649	26,230	25,351	6.6	47.5	45.9
2079	54,208	3,572	25,802	24,833	6.6	47.6	45.8
2080	53,205	3,498	25,385	24,322	6.6	47.7	45.7
2081	52,220	3,426	24,977	23,817	6.6	47.8	45.6
2082	51,253	3,356	24,575	23,321	6.5	47.9	45.5
2083	50,303	3,290	24,180	22,833	6.5	48.1	45.4
2084	49,370	3,226	23,789	22,354	6.5	48.2	45.3
2085	48,453	3,166	23,402	21,885	6.5	48.3	45.2
2086	47,552	3,109	23,018	21,425	6.5	48.4	45.1
2087	46,667	3,055	22,637	20,975	6.5	48.5	44.9
2088	45,797	3,004	22,258	20,536	6.6	48.6	44.8
2089	44,943	2,955	21,882	20,106	6.6	48.7	44.7
2090	44,104	2,909	21,508	19,687	6.6	48.8	44.6
2091	43,280	2,865	21,136	19,279	6.6	48.8	44.5
2092	42,473	2,823	20,767	18,883	6.6	48.9	44.5
2093	41,681	2,783	20,401	18,497	6.7	48.9	44.4
2094	40,906	2,744	20,039	18,122	6.7	49.0	44.3
2095	40,147	2,706	19,683	17,758	6.7	49.0	44.2
2096	39,406	2,669	19,332	17,405	6.8	49.1	44.2
2097	38,683	2,633	18,988	17,062	6.8	49.1	44.1
2098	37,979	2,597	18,653	16,729	6.8	49.1	44.0
2099	37,293	2,561	18,327	16,405	6.9	49.1	44.0
2100	36,625	2,525	18,010	16,090	6.9	49.2	43.9
2101	35,977	2,489	17,705	15,783	6.9	49.2	43.9
2102	35,347	2,453	17,412	15,482	6.9	49.3	43.8
2103	34,736	2,417	17,129	15,189	7.0	49.3	43.7
2104	34,142	2,381	16,859	14,902	7.0	49.4	43.6
2105	33,566	2,346	16,600	14,621	7.0	49.5	43.6

Current population as of October 1 of each year.

**Table A-7 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Medium-variant fertility (with Low-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	90,640	7,404	45,428	37,808	8.2	50.1	41.7
2057	89,599	7,292	44,799	37,508	8.1	50.0	41.9
2058	88,548	7,187	44,178	37,183	8.1	49.9	42.0
2059	87,485	7,088	43,529	36,869	8.1	49.8	42.1
2060	86,412	6,993	42,870	36,548	8.1	49.6	42.3
2061	85,327	6,903	42,221	36,202	8.1	49.5	42.4
2062	84,231	6,816	41,559	35,856	8.1	49.3	42.6
2063	83,127	6,732	40,885	35,509	8.1	49.2	42.7
2064	82,014	6,650	40,217	35,147	8.1	49.0	42.9
2065	80,896	6,569	39,541	34,786	8.1	48.9	43.0
2066	79,773	6,489	38,876	34,408	8.1	48.7	43.1
2067	78,649	6,409	38,221	34,020	8.1	48.6	43.3
2068	77,526	6,328	37,593	33,605	8.2	48.5	43.3
2069	76,407	6,247	36,986	33,174	8.2	48.4	43.4
2070	75,294	6,164	36,410	32,719	8.2	48.4	43.5
2071	74,190	6,081	35,819	32,290	8.2	48.3	43.5
2072	73,097	5,996	35,268	31,833	8.2	48.2	43.5
2073	72,018	5,911	34,747	31,361	8.2	48.2	43.5
2074	70,955	5,825	34,247	30,883	8.2	48.3	43.5
2075	69,909	5,738	33,766	30,404	8.2	48.3	43.5
2076	68,880	5,651	33,302	29,926	8.2	48.3	43.4
2077	67,870	5,565	32,854	29,451	8.2	48.4	43.4
2078	66,879	5,479	32,419	28,981	8.2	48.5	43.3
2079	65,907	5,394	31,996	28,517	8.2	48.5	43.3
2080	64,954	5,310	31,582	28,061	8.2	48.6	43.2
2081	64,018	5,229	31,177	27,612	8.2	48.7	43.1
2082	63,100	5,149	30,779	27,172	8.2	48.8	43.1
2083	62,199	5,072	30,387	26,740	8.2	48.9	43.0
2084	61,313	4,997	30,000	26,316	8.2	48.9	42.9
2085	60,443	4,925	29,618	25,900	8.1	49.0	42.9
2086	59,587	4,856	29,239	25,493	8.1	49.1	42.8
2087	58,745	4,790	28,863	25,093	8.2	49.1	42.7
2088	57,917	4,726	28,489	24,702	8.2	49.2	42.7
2089	57,100	4,665	28,117	24,319	8.2	49.2	42.6
2090	56,297	4,606	27,747	23,944	8.2	49.3	42.5
2091	55,504	4,550	27,378	23,577	8.2	49.3	42.5
2092	54,724	4,495	27,011	23,218	8.2	49.4	42.4
2093	53,955	4,442	26,646	22,867	8.2	49.4	42.4
2094	53,198	4,391	26,284	22,523	8.3	49.4	42.3
2095	52,452	4,340	25,925	22,186	8.3	49.4	42.3
2096	51,718	4,291	25,570	21,857	8.3	49.4	42.3
2097	50,996	4,242	25,220	21,533	8.3	49.5	42.2
2098	50,286	4,194	24,877	21,215	8.3	49.5	42.2
2099	49,590	4,146	24,540	20,903	8.4	49.5	42.2
2100	48,906	4,099	24,210	20,596	8.4	49.5	42.1
2101	48,235	4,051	23,889	20,295	8.4	49.5	42.1
2102	47,578	4,004	23,577	19,998	8.4	49.6	42.0
2103	46,935	3,957	23,273	19,705	8.4	49.6	42.0
2104	46,305	3,909	22,979	19,417	8.4	49.6	41.9
2105	45,689	3,862	22,693	19,134	8.5	49.7	41.9

Current population as of October 1 of each year.

**Table A-8 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [High-variant fertility (with Low-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	98,702	10,499	50,395	37,808	10.6	51.1	38.3
2057	97,874	10,415	49,951	37,508	10.6	51.0	38.3
2058	97,034	10,333	49,517	37,183	10.6	51.0	38.3
2059	96,182	10,255	49,058	36,869	10.7	51.0	38.3
2060	95,319	10,178	48,592	36,548	10.7	51.0	38.3
2061	94,444	10,102	48,139	36,202	10.7	51.0	38.3
2062	93,557	10,027	47,675	35,856	10.7	51.0	38.3
2063	92,661	9,951	47,200	35,509	10.7	50.9	38.3
2064	91,756	9,876	46,734	35,147	10.8	50.9	38.3
2065	90,845	9,799	46,260	34,786	10.8	50.9	38.3
2066	89,929	9,721	45,799	34,408	10.8	50.9	38.3
2067	89,010	9,642	45,349	34,020	10.8	50.9	38.2
2068	88,093	9,561	44,927	33,605	10.9	51.0	38.1
2069	87,178	9,479	44,526	33,174	10.9	51.1	38.1
2070	86,270	9,395	44,156	32,719	10.9	51.2	37.9
2071	85,370	9,310	43,756	32,304	10.9	51.3	37.8
2072	84,481	9,224	43,363	31,894	10.9	51.3	37.8
2073	83,606	9,138	42,985	31,483	10.9	51.4	37.7
2074	82,746	9,051	42,623	31,071	10.9	51.5	37.6
2075	81,902	8,965	42,274	30,664	10.9	51.6	37.4
2076	81,076	8,879	41,934	30,263	11.0	51.7	37.3
2077	80,268	8,794	41,602	29,872	11.0	51.8	37.2
2078	79,478	8,710	41,275	29,493	11.0	51.9	37.1
2079	78,707	8,628	40,951	29,128	11.0	52.0	37.0
2080	77,953	8,549	40,628	28,777	11.0	52.1	36.9
2081	77,217	8,471	40,306	28,440	11.0	52.2	36.8
2082	76,497	8,396	39,985	28,116	11.0	52.3	36.8
2083	75,792	8,323	39,664	27,805	11.0	52.3	36.7
2084	75,101	8,252	39,344	27,505	11.0	52.4	36.6
2085	74,424	8,184	39,023	27,217	11.0	52.4	36.6
2086	73,759	8,118	38,703	26,938	11.0	52.5	36.5
2087	73,105	8,054	38,382	26,669	11.0	52.5	36.5
2088	72,462	7,993	38,061	26,409	11.0	52.5	36.4
2089	71,829	7,932	37,741	26,156	11.0	52.5	36.4
2090	71,205	7,873	37,421	25,911	11.1	52.6	36.4
2091	70,590	7,816	37,102	25,672	11.1	52.6	36.4
2092	69,982	7,759	36,785	25,439	11.1	52.6	36.4
2093	69,382	7,702	36,469	25,211	11.1	52.6	36.3
2094	68,789	7,646	36,157	24,987	11.1	52.6	36.3
2095	68,204	7,590	35,848	24,766	11.1	52.6	36.3
2096	67,625	7,534	35,543	24,548	11.1	52.6	36.3
2097	67,053	7,477	35,243	24,333	11.2	52.6	36.3
2098	66,489	7,421	34,948	24,120	11.2	52.6	36.3
2099	65,931	7,364	34,658	23,909	11.2	52.6	36.3
2100	65,380	7,307	34,374	23,699	11.2	52.6	36.2
2101	64,837	7,249	34,097	23,491	11.2	52.6	36.2
2102	64,301	7,192	33,825	23,284	11.2	52.6	36.2
2103	63,772	7,134	33,559	23,079	11.2	52.6	36.2
2104	63,251	7,076	33,299	22,875	11.2	52.6	36.2
2105	62,736	7,019	33,045	22,673	11.2	52.7	36.1

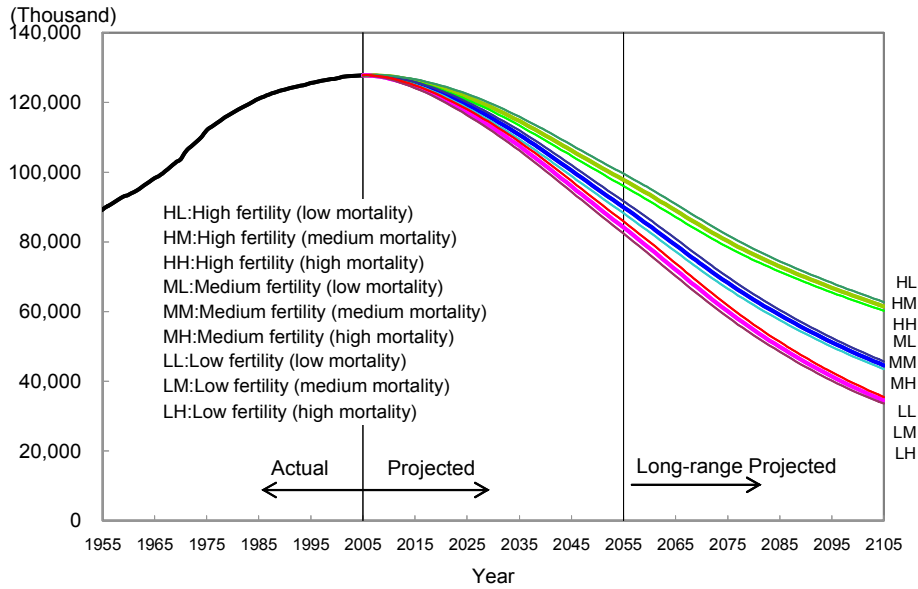
Current population as of October 1 of each year.

**Table A-9 Projected future population, proportion by the major three age groups (under 15, 15-64 and 65 and over) and age structure coefficient: [Low-variant fertility (with Low-variant mortality) ]**

Year	Population(thousand) by age group				Proportion(%) by age group		
	Total	0-14	15-64	65+	0-14	15-64	65+
2056	84,685	5,401	41,476	37,808	6.4	49.0	44.6
2057	83,521	5,296	40,717	37,508	6.3	48.8	44.9
2058	82,347	5,199	39,965	37,183	6.3	48.5	45.2
2059	81,162	5,109	39,184	36,869	6.3	48.3	45.4
2060	79,967	5,024	38,394	36,548	6.3	48.0	45.7
2061	78,761	4,945	37,614	36,202	6.3	47.8	46.0
2062	77,546	4,869	36,821	35,856	6.3	47.5	46.2
2063	76,322	4,795	36,018	35,509	6.3	47.2	46.5
2064	75,091	4,723	35,221	35,147	6.3	46.9	46.8
2065	73,854	4,652	34,417	34,786	6.3	46.6	47.1
2066	72,614	4,581	33,625	34,408	6.3	46.3	47.4
2067	71,374	4,509	32,845	34,020	6.3	46.0	47.7
2068	70,135	4,437	32,094	33,605	6.3	45.8	47.9
2069	68,901	4,363	31,364	33,174	6.3	45.5	48.1
2070	67,674	4,287	30,667	32,719	6.3	45.3	48.3
2071	66,457	4,211	29,963	32,283	6.3	45.1	48.6
2072	65,253	4,133	29,349	31,771	6.3	45.0	48.7
2073	64,063	4,054	28,787	31,222	6.3	44.9	48.7
2074	62,890	3,975	28,255	30,661	6.3	44.9	48.8
2075	61,736	3,895	27,751	30,090	6.3	45.0	48.7
2076	60,600	3,815	27,270	29,515	6.3	45.0	48.7
2077	59,485	3,736	26,810	28,939	6.3	45.1	48.6
2078	58,391	3,658	26,367	28,366	6.3	45.2	48.6
2079	57,317	3,581	25,938	27,798	6.2	45.3	48.5
2080	56,264	3,507	25,519	27,237	6.2	45.4	48.4
2081	55,230	3,435	25,110	26,686	6.2	45.5	48.3
2082	54,216	3,365	24,707	26,144	6.2	45.6	48.2
2083	53,221	3,299	24,310	25,612	6.2	45.7	48.1
2084	52,244	3,235	23,918	25,090	6.2	45.8	48.0
2085	51,284	3,175	23,530	24,579	6.2	45.9	47.9
2086	50,342	3,117	23,145	24,079	6.2	46.0	47.8
2087	49,415	3,063	22,763	23,590	6.2	46.1	47.7
2088	48,505	3,012	22,382	23,111	6.2	46.1	47.6
2089	47,610	2,963	22,005	22,642	6.2	46.2	47.6
2090	46,731	2,917	21,629	22,184	6.2	46.3	47.5
2091	45,866	2,873	21,255	21,737	6.3	46.3	47.4
2092	45,017	2,832	20,885	21,300	6.3	46.4	47.3
2093	44,182	2,791	20,517	20,874	6.3	46.4	47.2
2094	43,363	2,752	20,154	20,457	6.3	46.5	47.2
2095	42,560	2,714	19,796	20,050	6.4	46.5	47.1
2096	41,773	2,677	19,443	19,652	6.4	46.5	47.0
2097	41,002	2,641	19,098	19,264	6.4	46.6	47.0
2098	40,249	2,604	18,761	18,884	6.5	46.6	46.9
2099	39,513	2,568	18,433	18,513	6.5	46.6	46.9
2100	38,796	2,532	18,115	18,149	6.5	46.7	46.8
2101	38,098	2,496	17,808	17,793	6.6	46.7	46.7
2102	37,418	2,460	17,512	17,445	6.6	46.8	46.6
2103	36,758	2,425	17,229	17,104	6.6	46.9	46.5
2104	36,116	2,389	16,957	16,771	6.6	47.0	46.4
2105	35,494	2,353	16,696	16,445	6.6	47.0	46.3

Current population as of October 1 of each year.

**Figure A-1 Actual and projected population of Japan: Comparison of the nine projections three fertility assumptions with three mortality assumptions**



**Figure A-2 Trends in the proportion of elderly: Comparison of the nine projections three fertility assumptions with three mortality assumptions**

