National Institute of Population and Social Security Research

Population Projections for Japan (2023 revision): 2021 to 2070

Appendix: Auxiliary Projections 2071 to 2120

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Population Projections for Japan (2023 revision): 2021 to 2070

Key Messages

Japan's population is projected to decrease by 30%, and the population aged 65 and over to make up about 40% of the population by 2070. While the projected future total fertility rates are lower than those in the previous revision released in 2017, the pace of population decline would slow slightly due to an increase in life expectancy and a rise in net migration of non-Japanese nationals in this revision.

The National Institute of Population and Social Security Research (IPSS) published the 2023 revision of population projections for Japan, using the Population Census of Japan in 2020 as the base population. These projections calculate the population size and age/sex composition at the national level based on assumptions about trends in fertility, mortality, and international migration. These projections cover all residents of Japan.

[Methodology]

The cohort-component method employing recent trends of fertility, mortality, and international migration was used to obtain the future population by sex and age from 2021 to 2070.

Based on the recent demographic trends up to 2020, the size and the age structure of the population as of October 1 for each year are projected up to 2070. Considering uncertainties in future demographics, we produced nine "basic scenarios" with varying assumptions about the future course of fertility and mortality (medium-, high-, and low-variant for each).

Moreover, we produced three additional projections: "long-range population projections" (2071-2120), "population projections for the Japanese nationals", and "conditional population projections".

[Assumptions and Results]

Compared to the previous projections in 2017, the 2023 revision expects a further decline in fertility, a slight increase in life expectancy, and a rise in net migration.

・Reflecting the slump that had already started before the COVID-19 pandemic, the total fertility rate in the medium-fertility scenario is projected to be 1.36 in 2070, showing a decline from 1.44 in 2065 in the 2017 revision. Furthermore, in the short term, the fertility rate will remain low mainly due to the drop in marriages during the COVID-19 pandemic (Table 4-1, Figure 4-1).

・Life expectancy is expected to increase from 81.58 years for men and 87.72 years for women in 2020 to 85.89 years for men and 91.94 years for women in 2070 (medium-mortality scenario). Future life expectancy is projected to be slightly higher than that in the 2017 revision (84.95 years for men and 91.35 years for women in 2065) (Table 4-2, Figure 4-2).

・The negative net migration for the Japanese was weakened, and this trend was incorporated into the assumption. Meanwhile, based on the recent increase in the number of international migrants during the pre-pandemic period, the net migration assumption was raised to grow from 69,000 per year (2035) in the 2017 revision to 164,000 (2040) in this projection (Tables 4-3-4-5, Figures 4-3-4-5).

In 50 years, the total population is projected to decrease to nearly 70% of the current level, and the population aged 65 and over to account for about 40% (medium-fertility/medium-mortality scenario).

・The total population of Japan, 126.15 million counted in the Population Census in 2020, is projected to decrease to 87 million in 2070 (down to 69.0% of the population in 2020) (medium-fertility/medium-mortality scenario) (Table 1-1, Figure 1-1).

・The percentage of the population aged 65 and over is expected to rise from 28.6% in 2020 to 38.7% in 2070 (Table 1-1, Figure 1-2).

・While the previous revision projected the total population in 2065 to be 88.08 million, the figure is expected to be 91.59 million in this projection. Moreover, according to the assumption of this revision, the total population

will fall below 100 million in 2056, a delay of 3 years (2053) from the previous projection. The pace of population decline is expected to slow down slightly, mainly due to the increase in international migration (Table 1-1).

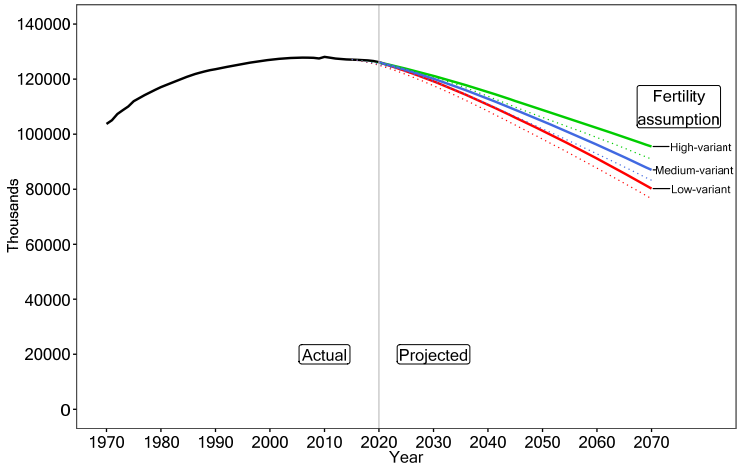
・The projected percentage of the population aged 65 and over in 2065 remains unchanged from the previous revision at 38.4%. However, the size of the population aged 65 and over peaks at 39.53 million in 2043 in this revision, slightly more than 39.35 million in 2042 in the previous revision (Table 1-1).

Projections based on high and low-fertility scenarios and projections limited to the Japanese population

・In 2070, the total population and the percentage of the population aged 65 and over are expected to be 95.49 million and 35.3%, respectively, in the high-fertility scenario (TFR of 1.64). In the meantime, based on the low-fertility scenario (TFR of 1.13), the figures are 80.24 million and 42.0%, respectively (Tables 1-2-1-3, Figures 1-1-1-2).

・In the medium-fertility/medium-mortality scenario, the Japanese population in 2070 is projected to be 77.61 million, and the percentage of the population aged 65 and over is 40.9% (Table 1, Figures 1-2).

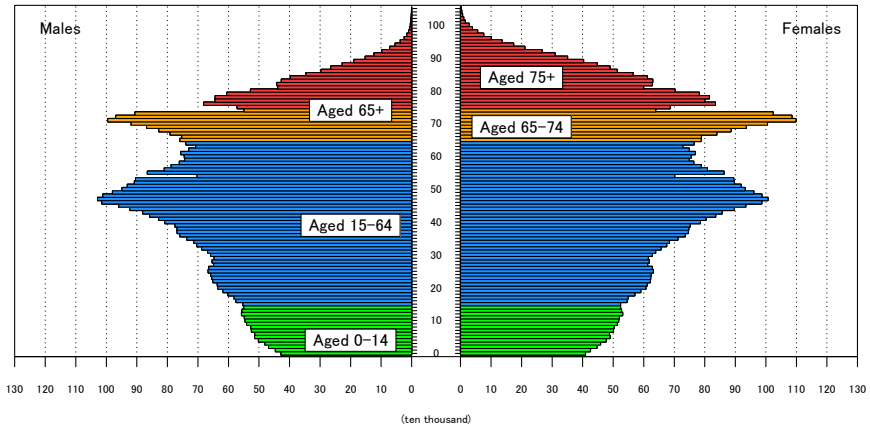
Actual and projected population of Japan: Medium-, high-, and low-fertility (medium-mortality) projections



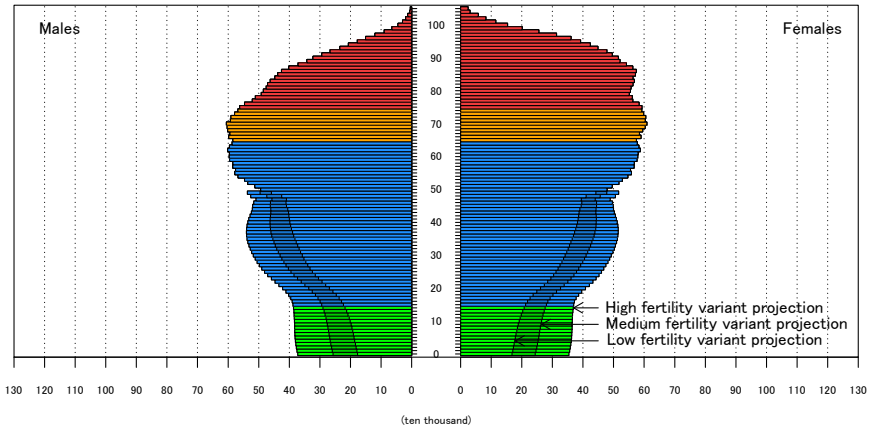
The latest projections are shown in solid lines and previous projections are shown in broken lines.

Population pyramid: Three fertility variant projections with a medium-mortality assumption

(1) 2020



(2) 2070



Population Projections for Japan (2023 revision)

The National Institute of Population and Social Security Research has conducted a new national population projection exercise and published the results as "Population Projections for Japan (2023 revision)." The projections are based on the latest data from the basic complete tabulation on population from the 2020 population census and the final count for the vital statistics from the same year, as well as the results of the 16th Japanese national fertility survey, which was delayed for one year due to the outbreak of COVID-19. This is the 16th release of Population Projections for Japan by the Institute, including those from the period of the former Institute of Population Problems. The following is a summary of the projections.

The tables showing the main results of these projections have been omitted from this summary. Please refer to the website of the National Institute of Population and Social Security Research for these tables.

I Overview of the Population Projections for Japan

The Population Projections for Japan project future population size, age composition, and other demographic structure trends for the entire country based on assumptions about future births, deaths, and international migration levels. Considering that future trends in births, deaths, and other factors are subject to uncertainty, these projections set assumptions based on multiple projection levels, conduct estimates for a number of different patterns, and provide a well-defined range of future population trends based on these results.

The subject of the projections is the total population permanently residing in Japan, including non-Japanese. This is the same as the subject of the population census. The period for the projections begins with the 2020 population census and continues from 2021 to 2070, projecting the population as of October 1 for each year. Population estimates up to 2120 (as of October 1 for each year) are also calculated and included for reference.

The method of projection is based on internationally standardized demographic methods. First, assumptions are set for the factors of population change: births, deaths, and international migration, by sex and age in the form of projections into the future for actual trends in statistical indicators related to each of those factors using mathematical models, etc. Next, the future population by sex and age is projected according to the cohort component method, which applies these assumptions to the base population to estimate the population one year later. (For further details, refer to "III Summary of the Method Used for Population Projections.")

II Summary of the Projection Results

The Population Projections for Japan set three assumptions (medium, high, and low) for future fertility and mortality trends and combine these assumptions into a total of nine projections (these are referred to as the "base projection"). Hereafter, the report first describes a summary of the results for the three projections combining the three assumptions on fertility with the medium-mortality assumption. This is followed by a summary of the results combining the three assumptions on fertility with the high-mortality and the low-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".

Projection Results for Medium-, High-, and Low-Fertility (Medium-Mortality)

1. Trends in Total Population

According to the 2020 population census, which serves as the base year for these population projections, the total population of Japan was 126.15 million. Based on the results of the medium-fertility projection, the total

population has entered a long-term process of population decline. After 108.8 million in 2045, the population is expected to fall below 100 million to 99.65 million in 2056 and to 87 million in 2070. (Table 1-1, Figure 1-1).

Based on the high-fertility projection, the total population is expected to fall below 100 million in 2064 to 99.53 million and to 95.49 million in 2070 (Table 1-2, Figure 1-1).

Meanwhile, based on the low-fertility projection, the population is expected to fall below 100 million in 2052 and decline to 80.24 million in 2070 (Table 1-3, Figure 1-1).

Compared to the last medium-fertility projection for the year 2065, the total population figure increased by 3.51 million, from 88.08 million to 91.59 million. The year in which the population falls below 100 million shifted from 2053 to 2056, three years later than in the previous projection.

2. Trends in the Size and Composition of the Population by the Major Three Age Groups

(1) Trends in the 0-14 years old population and its composition

The number of births in Japan has declined from 2.09 million in 1973 to 810,000 in 2020. As a result, the 0-14 years old population (total population including non-Japanese) has also decreased from 27 million in the early 1980s to 15.03 million in the 2020 population census.

The 0-14 years old population, also referred to as the young-age population, declines to the 14 million level in 2021, according to the results of the medium-fertility projection (Table 1-1, Figure 1-3). The number is expected to continue to decline, falling below 10 million in 2053 and reaching an estimated 7.97 million by 2070.

Looking at trends for the 0-14 years old population under different birth rate assumptions, even under the high-fertility projection, the 0-14 years old population is headed on a downward trend, falling to 11.15 million in 2070 (Table 1-2). The low-fertility projection indicates a more rapid decline in the 0-14 years old population, falling below 10 million in 2037 and reaching 5.69 million in 2070 (Table 1-3).

Examining this decline in the 0-14 years old population in terms of the ratio to the total population (the percentage of the 0-14 years old population), according to the medium-fertility projection, the figure will continue to decline from 11.9% in 2020 to 10.9% in 2026, 10.0% in 2034, and 9.2% in 2070 (Table 1-1, Figure 1-4).

The high-fertility projection shows a somewhat slower decline in the percentage of the 0-14 years old population, falling to 11.1% in 2029, followed by 11.7% in 2070 (Table 1-2). In contrast, the low-fertility projection shows a rapid decline in the percentage of the 0-14 years old population, dropping to 10.1% in 2028 and 8.0% in 2056, followed by 7.1% in 2070 (Table 1-3).

(2) Trends in the 15-64 years old population and its composition

The 15-64 years old population, also referred to as the working-age population, increased consistently in the postwar period, reaching its peak of 87.26 million in the 1995 population census, but has entered a phase of decline since then, falling to 75.09 million according to the 2020 population census.

The future 15-64 years old population is expected to fall below 70 million, 60 million, and 50 million in 2032, 2043, and 2062, respectively, down to 45.35 million in 2070, according to the medium-fertility projection (Table 1-1, Figure 1-3).

The trends for the 15-64 years old population in the high- and low-fertility projections are the same as those in the medium-fertility projection until 2035. After 2035, the high-fertility projection shows a slightly slower pace of decline in the 15-64 years old population, falling below 60 million in 2044 and reaching 50.67 million in 2070 (Table 1-2). According to the low-fertility projection, the 15-64 years old population declines at a faster pace, falling below 50 million in 2057 and reaching 40.87 million in 2070 (Table 1-3).

Regarding the ratio of the 15-64 years old population to the total population (the percentage of the 15-64 years old population), according to the medium-fertility projection, it will continue to decline from 59.5% as of 2020 to below 55% in 2041 and 52.1% in 2070 (Table 1-1, Figure 1-4).

In the high-fertility projection, the percentage of the 15-64 years old population has shown a decline since the beginning of the projection period, reaching 53.1% in 2070, which is 1.0 percentage point higher than the result of the medium-fertility projection.

In the low-fertility projection, the percentage of the 15-64 years old population will be 50.9% in 2070, about 1.0 percentage point lower than the medium-fertility projection.

(3) Trends in the population aged 65 and over and its composition

The trends in the population aged 65 and over (number of elderly) will be the same for the three assumptions on fertility throughout the 50-year projection period when the assumption on mortality is the same. In other words, the population aged 65 and over will increase from 36.03 million as of 2020 to 37.04 million by 2032 (Table 1-1, Table 1-2, Table 1-3, Figure 1-3). The pace of increase will accelerate thereafter, peaking at 39.53 million in 2043, after the second baby boom generation (born between 1971 and 1974) moves into the population aged 65 and over. Subsequently, the number will begin to decline, reaching 33.67 million in 2070.

Looking at the ratio of the population aged 65 and over to the total population (the percentage of the population aged 65 and over), 28.6%, or 1 out of every 3.5 persons, is aged 65 and over as of 2020. According to the medium-fertility projection, the percentage of the population aged 65 and over will be 33.9%, or 1 out of every 3 persons, in 2038, and 38.7%, or 1 out of every 2.6 persons, in 2070 (Table 1-1, Figure 1-2).

In the high-fertility projection, 33.7%, or 1 out of every 3 persons, will be age 65 and over in 2039, and 35.3%, or 1 out of every 2.8 persons, in 2070 (Table 1-2, Figure 1-2). Also, in the low-fertility projection, 33.8%, or 1 out of every 3 persons, will be age 65 and over in 2037, and 42.0%, or 1 out of every 2.4 persons, in 2070 (Table 1-3, Figure 1-2).

Regarding the difference in the degree of population aging due to changes in future fertility levels, a comparison of the percentage of the population aged 65 and over between the high- and low-fertility projections shows a difference of 2.0 percentage points in 2045: 37.2% in the low-fertility projection and 35.2% in the high-fertility projection. This difference will widen further in subsequent years, to 6.7 percentage points in 2070, with 42.0% in the low-fertility projection and 35.3% in the high-fertility projection (Figure 1-2).

As noted above, the population aged 65 and over will peak in 2043 and decline thereafter. However, the percentage of the population aged 65 and over will continue to rise over the next 50 years under both the medium- and low-fertility assumptions. This is because the declines in the 0-14 and 15-64 years old populations are relatively larger than those in the population aged 65 and over.

Compared to the last medium-fertility projection for the year 2065, the population aged 65 and over increased by 1.32 million from 33.81 million in the last projection to 35.13 million in the current one. Meanwhile, the percentage of the population aged 65 and over remained at 38.4%, the same level as in the last projection (38.4%). The peak of the population aged 65 and over was 39.35 million in 2042 in the last projection, while the current projection is 39.53 million in 2043.

3. Trends in dependency ratio

The dependency ratio is an index that compares the relative size of the 0-14 years old population and the population aged 65 years and over to the 15-64 years old population. It is used to provide a rough indication of the level of support burden on the 15-64 years old population. The old-age dependency ratio (the percentage of the population aged 65 and over to the 100 of 15-64 years old population) based on the median-fertility projection is projected to increase from 48.0 in 2020 (the potential support index, which is the inverse of this ratio, is 2.1, meaning that 2.1 persons of working age support each elderly person) to 60.4 in 2038 (1.7 persons of working age support each elderly person), and to 74.2 in 2070 (1.3 persons of working age support each elderly person)

(Table 1-4). On the other hand, the young-age dependency ratio (the percentage of the 0-14 years old population to the 100 of 15-64 years old population) will decline from the current level of 20.0 as of 2020 (5.0 persons of working age support each child) to 17.2 in 2033, but will remain in the range of 17.3-18.9 after that. The future young-age dependency ratio will not decline below a certain level because, although the 0-14 years old population is decreasing due to low birth rates, the 15-64 years old population will also decrease at the same time.

The dependency ratio is the combined index of the young-age and old-age dependency ratios. It indicates the level of burden on 15-64 years old population to support the entire 0-14 years old population and population aged 65 years and over. According to the medium-fertility projection, the dependency ratio is expected to increase from 68.0 as of 2020 to 80.1 in 2039 and then to 91.8 in 2070 under the shrinking trend of the 15-64 years old population.

The dependency ratio in the high-fertility projection is initially higher than that in the medium-fertility projection because of the higher young-age dependency ratio, but it reverses after 2056 and reaches 88.5 in 2070. Meanwhile, the dependency ratio in the low-fertility projection initially remains lower than that in the medium-fertility projection, but it reverses in 2054 and reaches 96.3 in 2070.

4. Changes in the Population Pyramid

The population pyramid in Japan has significant irregularities, reflecting the drastic fluctuation in the number of births in the past, for example, there was a decline in births following the end of the war in 1945-1946, the first baby boom in 1947-1949, the decrease in births in 1950-1957, the drop in births during the “Hinoe-uma year” in 1966, the second baby boom in 1971-1974, and the decline in births thereafter (Figure 1-5(1)).

The population pyramid in 2020 shows the first baby boom generation in their early 70s and the second baby boom generation in their late 40s. The subsequent changes in the shape of the pyramid, according to medium-fertility projection, indicate that in 2045 the first baby boom generation will be in their late 90s and the second baby boom generation will be in their early 70s. Therefore, population aging up to around 2045 is due to the entry of the first and the second baby boom generations into the older age group (Figure 1-5(2)). Subsequently, the development of the population aging until 2070 reflects the shrinking size of the population by each generation amid low birth rates (Figure 1-5(3)).

Projection Results for Medium-Fertility (High- and Low-Mortality)

1. Summary of Projection Results with High-Mortality Assumption

The high-mortality projection assumes a higher death rate than the medium-mortality projection, meaning that the pace of death rate improvement is slower and life expectancy at birth remains lower. Therefore, the number of deaths is higher and the population is somewhat smaller under the same fertility assumptions. This means that while the total population in 2070 based on the medium-fertility (medium-mortality) projection is 87 million, the total population in the same year based on the medium-fertility (high-mortality) projection drops to 85.08 million. On the other hand, looking at the population by the major three age groups and its composition based on the medium-fertility (high-mortality) projection, in 2070, the 0-14 years old population will be 7.97 million (9.4% of the total), the 15-64 years old population will be 45.24 million (53.2%), and the population aged 65 and over will be 31.88 million (37.5%), all of which are smaller than the medium-fertility (medium-mortality) projection. The projection shows low numbers for the population aged 65 and over in particular, and the results are characterized by a low percentage of the population aged 65 and over (Table 2-1, Table 3-4).

2. Summary of Projection Results with Low-Mortality Assumption

The low-mortality projection assumes a lower death rate than the medium-mortality projection, meaning that the pace of death rate improvement is faster and life expectancy at birth remains higher. Therefore, the number of deaths is lower and the population is slightly higher under the same fertility assumptions. This means that while the total population in 2070 based on the medium-fertility (medium-mortality) projection is 87 million, the total

population in the same year based on the medium-fertility (low-mortality) projection is 88.93 million. On the other hand, looking at the population by the major three age groups and its composition based on the medium-fertility (low-mortality) projection, in 2070, the 0-14 years old population will be 7.98 million (9.0% of the total), the 15-64 years old population will be 45.45 million (51.5%), and the population aged 65 and over will be 35.50 million (39.9%), all of which are larger than the medium-fertility (medium-mortality) projection. The projection shows large numbers for the population aged 65 and over in particular, and the results are characterized by a high percentage of the population aged 65 and over (Table 2-2, Table 3-4).

Projection Results for High- and Low-Fertility (High-, Low-Mortality)

In addition to the above projections, the Population Projections for Japan also provide four other projections that combine the high-/low-fertility assumptions and the high-/low-mortality assumptions. According to the high-fertility (low-mortality) projection, in which the total population remains at the highest level, the population will be 97.44 million in 2070. Conversely, according to the low-fertility (high- mortality) projection, in which the total population remains at the lowest level, the population will be 78.33 million in the same year (Table 3-1). Also, according to the low-fertility (low-mortality) projection, in which the percentage of the population aged 65 and over remains at the highest level, that percentage will be 43.2% in 2070. According to the high-fertility (high-mortality) projection, in which it remains at the lowest level, this percentage will be 34.1% in the same year (Table 3-4).

III Summary of the Method Used for Population Projections

As in the previous projections, the cohort component method is used for the Population Projections for Japan. This is a method for projecting the future population by calculating the annual change that occurs in each age group for the following components: deaths, births, and international migration. For the existing population, the future population is determined by reflecting the number of deaths that occur with aging and the amount of international migration. For the newly born population, first, the number of births occurring in the 15-49 years old female population is divided by the sex ratio. Then the number of their survivors and international migration are calculated sequentially and incorporated as the age 0 population in the following year.

In order to project the future population using the cohort component method, assumptions set for each sex and age must be made regarding (1) the base population, (2) future birth rates (and sex ratio at birth), (3) future survival rates, and (4) future international migration rates (numbers). As in the last report, these assumptions were set by conducting demographic projections based on the actual trends in the statistical indicators related to each of those factors. However, in consideration of uncertainties in future trends for births, deaths, and other factors, these projections set assumptions based on multiple projection levels, conduct a number of estimates according to these assumptions, and provide a well-defined range of future population trends.

1. Base Population

The base population used as the starting point for projections is the total population by sex and age as of October 1, 2020, taken from the “2020 Population Census Reference Table: Results with Imputation” by the Statistics Bureau of the Ministry of Internal Affairs and Communications.

2. Assumptions for Fertility Rates and Sex Ratio at Birth

Projecting the future number of births in this projection requires data on the female age-specific fertility rate of the year in question. The present projections use the cohort fertility rate method to estimate the future birth rate, the same as in the last projection. This method observes the birth process per female birth cohort (a population group born in the same year) over the course of their lives, and estimates the birth rate for cohorts whose birth process is incomplete for each year until the process is complete.

Age-specific and total fertility rates for each future year can be obtained by converting the cohort rates into year-specific rates. From the perspective of precisely measuring birth rate trends, this projection is based on the actual birth rate data of Japanese women only and estimates the fertility trends for the total population. Therefore, all assumed index figures for marriage and birth described below refer to events among Japanese women (treatment of birth rates among non-Japanese women is discussed later), and are defined differently from the birth rate based on Japanese births in Japan (including children of Japanese nationality born to non-Japanese women) in the Vital Statistics by the Ministry of Health, Labour and Welfare. The future total fertility rate, which is defined the same way as in the Vital Statistics, is calculated separately from the projection results.

Cohort age-specific fertility rates are obtained by setting the cumulative birth rate and age pattern up to the age of 50 years. First, each indicator for first marriage behavior, couples' reproductive behavior, and behavior pertaining to divorce, bereavement, and remarriage of the relevant cohort is obtained by projection based on actual statistics, and then the resulting cohort total fertility rate by birth order is summed to determine the level of cumulative birth rate up to the age of 50 years. For age patterns, projections were made using an extended Lee-Carter model, which is an extension of the Lee-Carter model utilized in projecting the death rate, for cohorts with completed birth processes or cohorts whose uncompleted parts can be estimated based on information from adjacent cohorts.

The Lee-Carter model describes age-specific changes in birth hazard according to the pattern of change in fertility. Using a matrix decomposition method called singular value decomposition, the age-specific birth hazard (defined in this model as "the hazard occurrence rate for the relevant women who have not experienced births, by birth order") is decomposed into standard age patterns (a_x), characteristics of birth change by cohort (k_c), change in birth hazard at age x relative to birth change fluctuations (b_x), and an error term.

A term controlling for the level of cumulative birth hazard at the age of 50 years was added to the Lee-Carter model, commonly used in mortality forecasting, and at the same time, in order to more flexibly represent changes in the age pattern of births with various directions, the age patterns were described using the first through the third components of the decomposed singular values and singular vectors (ρ =3). The future model values were obtained by projecting the movements and levels of the parameters indicating the cohort changes of each component estimated for generations with some actual birth process data available and applying them to the future cohort.

$$\log(h_{x,c}) = H_c + a_x + \sum_{i=1}^{\rho} b_{x,i} k_{c,i} + \varepsilon_{x,c}$$

In projecting birth rates using the cohort fertility rate method, it is necessary to set a cohort that corresponds to the limit of outlook as an extension of the trend from actual data for the various cohort fertility indicators as described above. In this revision, this cohort is referred to as the "reference cohort" and is defined as women who were 15 years old at the time of the projection, that is, born in 2005. Trends based on the current status for each factor for the reference cohort under the standard medium assumption are as follows.

First, regarding first marriage behavior, the mean age at first marriage has continued its gradual upward trend. The percentage of never-married women at the age of 50 years is expected to rise above the actual level of the most recent cohort for which the birth process is completed, and will reach a level slightly higher than that of the reference cohort (born in 2000) in the last projections.

The completed family size of married couples, which is an indicator for couples' reproductive behavior, is affected by the structural effects of delayed marriage and by changes in the reproductive behavior of couples. The expected completed family size for couples, which reflects the structural effects of delayed marriage, is obtained by multiplying the birth rate specific to the age at first marriage, which is a benchmark obtained from the Japanese National Fertility Survey, by the age at first marriage distribution assumed above. This number is expected to continue to decline as the mean age at first marriage rises. On the other hand, the coefficient indicating the change in reproductive behavior of couples regardless of the change in marriage timing (the coefficient of variation in marital fertility) is expected to rise temporarily in the birth cohort of between the late 1970s and early 1980s, when the proportion of pregnancy preceding marriage was relatively large. Thereafter, however, it is

assumed to return to the level of the coefficient of variation in marital fertility for the late 1960s and early 1970s cohort, which was used as the basis for calculating the expected completed family size for couples.

The effect of divorce, bereavement, and remarriage on birth rates can be expressed as a coefficient based on the completed family size among women who have experienced these events (Japanese national fertility survey) and the trend of structural changes in marital status (based on actual data from Vital Statistics, Population Census, and the future cohort marital-status-specific multistate life table which uses future first marriage rates and probability of dying), with the relative fertility level to that for first-married couples who have completed the birth process as the base (1.0). In recent years, the relative disparity in the completed family size among women by marital status has been shrinking, and the reduction effect from divorce, bereavement, and remarriage on the mean number of children in the cohort is expected to moderate hereafter. As a result, the coefficient of divorce, bereavement, and remarriage effect is expected to become higher (that is, closer to 1).

The cohort total fertility rate is expressed as the product of these three indicators: (1) the percentage of never-married women at the age of 50 years, (2) the completed family size of couples, and (3) the coefficient of the divorce, bereavement, and remarriage effect. However, the calculation of indicators (2) and (3) requires the use of sample surveys, which results in a slight deviation from the actual values based on the Vital Statistics. A coefficient to adjust for this deviation (the adjustment coefficient) is multiplied by the product of (1) through (3) to ensure consistency with the cohort fertility index from the Vital Statistics.

Although the projection of each factor for calculating the cohort total fertility rate above is done by birth order, it is converted to an index of total births to observe the trend of each factor with respect to the total number of births. Since future trends in birth rates are uncertain, the following three fertility assumptions (medium, high, and low) are set up and future population projections are made based on each of these assumptions. This gives the range of possible future population changes that can be expected according to fertility changes as seen from the current situation.

(1) The Medium-fertility Assumption

(i) The mean age at first marriage for women by cohort increases from 27.2 years of age for the 1970 birth cohort to 28.6 years of age for the 2005 birth cohort and remains the same thereafter.

(ii) The percentage of never-married women at the age of 50 years increases from 15.0% for the 1970 birth cohort to 19.1% for the 2005 birth cohort and remains the same thereafter.

(iii) The coefficient of variation in marital fertility, which indicates changes in couples' reproductive behavior, uses the birth cohort in which the wife was born between 1965 and 1974 as a benchmark (1.0), and it temporarily increases to 1.060 for the 1982 birth cohort. It then begins to decline, reaching 0.969 for the 2005 birth cohort and remains the same thereafter. Due to this coefficient and the change in first marriage behavior shown in (i) and (ii), the completed number of children ever born for a couple falls from 1.83 for the 1970 birth cohort to 1.71 for the 2005 birth cohort and remains at the same level thereafter.

(iv) The effect of divorce, bereavement, and remarriage on birth rates goes from an actual value of 0.965 for the 1970 birth cohort to 0.966 for the 2005 birth cohort and remains the same thereafter.

Based on the results of (i) through (iv) above and an adjustment coefficient (0.963) that adjusts for the deviation of actual data between from the sample survey and from the Vital Statistics, the cohort total fertility rate for Japanese women declines from 1.45 for the 1970 birth cohort to 1.29 for the 2005 birth cohort, and remains the same thereafter.

The cohort age-specific fertility rates for Japanese women obtained above can be converted to year-specific fertility rates to derive future values of year-specific, age-specific fertility rates. In addition, the age-specific fertility rates for non-Japanese women were assumed to be constant in the future, with the mean value of 2016-2020.

These fertility assumptions separately take into account the effects of fluctuations in the number of first marriages and births that occurred during the outbreak of COVID-19 in Japan, which was discovered in 2019 and subsequently spread globally. In Japan, where births outside of marriage are minimal, births are expected to follow a mechanism in which they occur in sequence according to birth order, with the first child arising from the female who had previously married for the first time, the second child arising from the female who had

previously given birth to the first child, and so on. Therefore, the sudden decrease in the number of first marriages and births observed since April 2020, when the first declaration of a state of emergency was issued in Japan, and continuing at least through late 2022, is expected to result in a decline in the population at risk (effective population at risk), which defines the occurrence of future births. The correlation between the effective population at risk and the number of births was determined from actual data from the Vital Statistics and Japanese National Fertility Survey to quantitatively project the extent to which the expected decline in the effective population at risk could reduce the occurrence of future births and was used as a suppression coefficient for the future birth rate. For the years of 2021 and 2022, the estimated actual age-specific fertility rates based on the number of births in the Vital Statistics and other data were separately calculated and extrapolated to the assumption values.

Using these assumption values, population projections provide the number of births born to Japanese women and to non-Japanese women. If the percentage of Japanese nationality among the number of births born to non-Japanese women is determined from the actual data (average over 2016-2020), it is possible to calculate the birth rate defined in the same way as the Vital Statistics (the birth rate including children of Japanese nationality born to non-Japanese women [see the formula below]).

Definition of the total fertility rate according to the Vital Statistics by the Ministry of Health, Labour and Welfare

$$\text{(total fertility rates)} = \sum_{\text{Ages } 15-49} \frac{\left(\text{Number of births to Japanese women}\right) + \left(\text{Number of births with Japanese nationality born to non-Japanese women}\right)}{\left(\text{Population of Japanese women}\right)}$$

※ A child of Japanese nationality born to a foreign woman is a child whose father is Japanese.

Based on the calculations above, the total fertility rate with the same definition as the Vital Statistics declines from the actual value of 1.33 in 2020 to 1.23 in 2023 and then begins to rise, resulting in a transition to 1.36 in 2070 (Table 4-1, Figure 4-1). Comparing the total fertility rate based on the medium-fertility assumption to the last projection, the total fertility rate in 2065 decreases from 1.44 in the last projection to 1.35 in the current projection and stands at 1.36 in 2070.

(2) The High-fertility Assumption

(i) The mean age at first marriage for women by cohort increases to 28.6 years of age for the 1989 birth cohort, then to 28.1 years of age for the 2005 birth cohort, and remains the same thereafter.

(ii) The percentage of never-married women at the age of 50 years stands at 13.4% for the 2005 birth cohort and remains the same thereafter.

(iii) The coefficient of variation in marital fertility, which indicates changes in couples' reproductive behavior, uses the birth cohort in which the wife was born between 1965 and 1974 as a benchmark (1.0). It rises to 1.062 for the 1985 birth cohort and then remains at about the same level until arriving at 1.062 for the 2005 birth cohort. Due to this coefficient and the change in first marriage behavior described above, the completed number of children ever born for a couple comes to 1.91 for the 2005 birth cohort and remains the same thereafter.

(iv) The effect of divorce, bereavement, and remarriage on birth rates goes from an actual value of 0.965 for the 1970 birth cohort to 0.966 for the 2005 birth cohort and remains the same thereafter.

Based on the results of (i) through (iv) above and an adjustment coefficient (0.970) that adjusts for the deviation of actual data between from the sample survey and from the Vital Statistics, the cohort total fertility rate for Japanese women increases from 1.45 for the 1970 birth cohort to 1.55 for the 2005 birth cohort and remains the same thereafter.

The corresponding total fertility rate, with the same definition as the Vital Statistics, increases slightly from the actual value of 1.33 in 2020 to 1.64 in 2070, although it declines once to 1.37 in 2023 (Table 4-1, Figure 4-1).

(3) The Low-fertility Assumption

(i) The mean age at first marriage for women by cohort reaches 29.0 years of age for the 2005 birth cohort and remains the same thereafter.

(ii) The percentage of never-married women at the age of 50 years increases to 25.6% for the 2005 birth cohort and remains the same thereafter.

(iii) The coefficient of variation in marital fertility, which indicates changes in couples' reproductive behavior, uses the birth cohort in which the wife was born between 1965 and 1974 as a benchmark (1.0), and it declines afterward, falling to 0.892 for the 2005 birth cohort and remains the same thereafter. Due to this coefficient and the change in first marriage behavior described above, the completed number of children ever born for a couple comes to 1.54 for the 2005 birth cohort and remains the same thereafter.

(iv) The effect of divorce, bereavement, and remarriage on birth rates goes from an actual value of 0.965 for the 1970 birth cohort to 0.966 for the 2005 birth cohort and remains the same thereafter.

Based on the results of (i) through (iv) above and an adjustment coefficient (0.959) that adjusts for the deviation of actual data between from the sample survey and from the Vital Statistics, the cohort total fertility rate for Japanese women declines from 1.45 for the 1970 birth cohort to 1.07 for the 2005 birth cohort and remains the same thereafter.

The corresponding total fertility rate, with the same definition as the Vital Statistics, declines from the actual value of 1.33 in 2020 to 1.09 in 2023 and then remains almost flat, arriving at 1.13 in 2070 (Table 4-1, Figure 4-1).

Regarding the sex ratio at birth (ratio of the number of male children to every 100 female children), which is used to divide future number of births into male and female children, the mean of the actual values for the five-year period from 2016 to 2020, which is 105.2, was used as constant from 2021 onward.

3. Assumptions for Survival Rates (Future Life Table)

To project the population of the following year from a given year's figure, survival rates by sex and age are needed. In order to obtain future survival rates, it is necessary to construct a future life table. In this revision, based on death rates for the period 1970-2020, the Lee-Carter model, which is currently considered an international standard, was adopted. At the same time, the following mechanisms were added to accommodate the characteristics of mortality trends in Japan, which has one of the highest levels of life expectancy at birth in the world.

The Lee-Carter model describes age-specific death rates according to changes in the mortality index. This is done by decomposing the age-specific death rates into standard age patterns, a general level of mortality (mortality index), change in age-specific death rate relative to fluctuations in the mortality index, and an error term.

In this projection, the Lee-Carter model was used for the younger population, while a model that expresses death rate improvement as a shift of the mortality curve toward the older age side (linear difference model) combined with the Lee-Carter model was used for the older population. This model was adapted to the mortality conditions in Japan, where there has been remarkable improvement in death rates. The linear difference model describes the difference in the shift of the elderly death rate curve along the age axis by a linear function of age.

Projections for future mortality indices applied functions to males and females simultaneously to reflect changes in mortality levels, which have been gradually moderating in recent years, and to ensure consistency in death rates for both sexes (2011, the year of the Great East Japan Earthquake, is excluded from the projection). The amount of shift and gradient of the death rate curve for the older age groups used in the linear difference model were projected using the rate of change relative to the past mortality index.

In addition, taking into account the uncertainty regarding future improvements in mortality levels, the projections were made with a certain range by making multiple assumptions, as in the last projections. That is, distribution of the mortality index parameter for standard death rate trends was obtained using the bootstrap method or similar

means, and the interval in which the mortality index exists with a probability of 99% was estimated using this result. Then, the "high-mortality" assumption, which is a high death rate projection in which the mortality index moves at its upper limit, and the "low-mortality" assumption, which is a low death rate projection in which the mortality index moves at its lower limit, were added.

Based on the parameters and variables obtained through the procedures described above, sex- and age-specific death rates up to 2070 were finally calculated to estimate the future life table, which was used for the survival rate assumptions for Japanese and non-Japanese. For 2021 and 2022, life tables based on the number of deaths in the Vital Statistics and other data were separately calculated and assumptions were set.

(1) Medium-mortality Assumption
Based on the standard future life table, life expectancy at birth, which was 81.58 years for males and 87.72 years for females in 2020, reaches 84.03 years for males and 90.08 years for females in 2045 and 85.89 years for males and 91.94 years for females in 2070 (Table 4-2, Figure 4-2).

(2) High-mortality Assumption
Under the high-mortality assumption, the death rate is higher and therefore life expectancy at birth is lower, compared to under the medium-mortality assumption. Consequently, life expectancy at birth under this assumption is 82.98 years for males and 89.02 years for females in 2045 and 84.56 years for males and 90.59 years for females in 2070.

(3) Low-mortality Assumption
Under the low-mortality assumption, the death rate is lower and therefore life expectancy at birth is higher, compared to under the medium-mortality assumption. Consequently, life expectancy at birth under this assumption is 85.06 years for males and 91.13 years for females in 2045 and 87.22 years for males and 93.27 years for females in 2070.

4. Assumptions for International Migration Rates (Numbers)

Trends in international migration are greatly influenced by the advance of globalization and changes in socioeconomic conditions, as well as by border control systems and related regulations. In addition, socioeconomic events and disasters, both domestic and international, can cause significant fluctuations in international migration. Recent examples include the September 11 attacks in 2001, the outbreak of SARS in 2002-03, the 2008 financial crisis, and the 2011 Great East Japan Earthquake. Furthermore, the global outbreak of COVID-19, which has continued from December 2019 to the present, has caused major fluctuations in the movement of people into and out of Japan, especially for non-Japanese.

A look at the actual trends in the number or rate of international migration (the annual number is from October of the previous year to September of the current year, excluding Japanese and non-Japanese who stayed overseas or in Japan for 90 days or less) based on the "Result of the Population Estimates" of the Statistics Bureau, Ministry of Internal Affairs and Communications shows different movements between Japanese and non-Japanese. Also, from a demographics point of view, Japanese migration is affected by the age structure of the population, but in the case of non-Japanese, their migration relationship with the size or age structure of the Japanese population is limited. Therefore, in this revision, as in the previous one, the assumption of international migration was made separately for Japanese and non-Japanese, and the assumed values were set based on the rate of net migrants for Japanese and the number of net migrants for non-Japanese.

The actual data on international migration for Japanese generally shows trends of excess outbound migration. In addition, the age patterns for the rate of net migrants (net migration rate) by sex are also relatively stable, so the mean values of the sex- and age-specific rates of net migrants of Japanese for the period 2015 to 2019, excluding the year 2020, which was affected by the outbreak of COVID-19, were calculated (using the values for three years, excluding the maximum and minimum data for each age) and smoothed to exclude random fluctuations. The result was set as the rate of net migrants of Japanese for the years 2021 and beyond (Table 4-3, Figure 4-3).

Looking at the actual data on international migration for non-Japanese, trends for entry and exit of non-Japanese in Japan has shown significant fluctuations in a short period of time. For example, recent events such as the 2008

financial crisis and the Great East Japan Earthquake caused a large-scale excess of outbound migration, and the global pandemic of COVID-19 led to the suspension of new entries of non-Japanese. However, over the long term, the number of net migrants of non-Japanese origin generally appears to have trended higher and, moreover, appears to have moved to a higher level since 2015. The assumed values to date have generally converged to a level near the recent average, while taking into account the trend of the increase in the number of net migrants of non-Japanese origin up to that point. Therefore, the mean for the most recent trends (2016-2020), excluding the year 2020, which was affected by the global outbreak of COVID-19, was obtained and projected into the future to provide assumed values through the year 2040. For the year 2021, however, an assumed value based on actual figures was extrapolated. Also, the number of net migrants by sex for each year was calculated using the mean of the male-female sex ratios of the number of net migrants during 1970-2019, and for those age-specific ratios, the mean for the years 1986-2019 for which actual figures are available, excluding temporary fluctuations, was smoothed and applied (Table 4-4, 4-5, Figure 4-4, 4-5). As a result, the future number of net migrants of non-Japanese origin from 2022 to 2040 will be 81,570 males and 82,221 females per year, for a total of 163,791 (the previous projection assumed 33,894 males and 35,380 females in 2035, for a total of 69,275). However, in the longer term, it is necessary to interlock the scale of international migration of non-Japanese with the scale of Japan's population. Therefore, in each projection, the rate of net migrants by sex and age in 2040 (using the total population of Japanese and non-Japanese as the denominator) was determined, and this has been held constant thereafter.

In addition, the net increase in the number of Japanese due to changes in the nationality of non-Japanese was calculated by determining the nationality change rate by sex and age for non-Japanese in Japan and smoothing the average values for the 2014-2020 period to provide assumed values for future changes in nationality. Note that the average annual net increase in the number of Japanese determined from the 2014-2020 actual data, is 8,958 (the 2009-2015 annual average in the last projection was 11,339).

※ In this document, we refer to the nine projections made through the year 2070 based on the above projection method as the "base projections".

5. Long-term Auxiliary Population Projections, Projections for the Japanese Population, and Conditional Population Projections

(1) Long-term Auxiliary Population Projections

Although the period of the base projections extends to 2070, long-term reference auxiliary population projections were made for the period from 2071 to 2120 in order to provide a reference for the analysis of long-term auxiliary population projections (Reference Table 1-6). Birth rates, sex ratios at birth, survival rates, and international migration rates are assumed to be constant after 2071.

(2) Projections for the Japanese Population

While the base projections are made for the total population of Japan including non-Japanese, the results of projections limited to the Japanese population were presented as the projections for the Japanese population so that the rate of demographic movement can be continuously observed for the future (Japanese Population Projections Tables 1, Japanese Population Projections Tables 2, Japanese Population Projections Figures 1-Japanese Population Projections Figures 5, and Japanese Population Projections Table 3).

(3) Conditional Population Projections

Conditional population projections are quantitative simulations to analyze the response of the future population to mechanical changes in the assumed values. They are conducted in conjunction with the base projections each time in order to better understand the results of those projections. The current projections present the results of counterfactual simulations of the future population under various changes in birth rates and the level of international migration of non-Japanese.

For the birth conditions, the age-specific birth rates for each year in the future under the three assumptions of base projections were linearly interpolated (extrapolated) and set for various levels as the assumptions. The levels of the birth rates were set at 1.00, 1.20, 1.40, 1.60, 1.80, 2.00, and 2.20 for the total fertility rate in 2070 (the same definition as in the Vital Statistics).

For the international migration assumptions for non-Japanese, the annual number of net migrants in 2040 in the base projections was set at 0, 50 thousand, 69 thousand (the level of the number of net migrants of non-Japanese origin in 2035 in the last projections), 100 thousand, 250 thousand, 500 thousand, 750 thousand, and 1 million. After 2041, as in the base projections, the rate of net migrants by sex and age in 2040 (using the total population of Japanese and non-Japanese as the denominator) was assumed to be constant.

The results of the conditional population projections are presented as comparative tables showing changes in the total population and the percentage of the population aged 65 and over under each condition (Conditional Population Projections Table 1-4).

※ As shown in the "Summary of the Method Used for Population Projections," the base projections in this projection make assumptions regarding fertility, mortality, and international migration using demographic projection methods based on the latest actual data. Only through these procedures, which ensure the objectivity and neutrality of the results, can population projections serve as a common guideline for planning and other activities in various fields. (From the method of setting assumptions, the base projections can be understood as populations to be realized if the current trends of social change continue.) Conditional population projections, on the other hand, have a different goal and attempt to observe and analyze the demographic movements and their consequences for the population structure by making arbitrary assumptions. When using conditional population projections, please keep these distinctions in mind.

Population Projections for Japan (2023 revision) 《 Summary of Results and Assumptions 》

Summary of Projection Results (medium-mortality projection)

Fertility assumption [Long-term total fertility rate]		Medium fertility variant [1.36]	High fertility variant [1.64]	Low fertility variant [1.13]	Medium fertility variant projection in 2017 [1.44]
Mortality assumption [Long-term life expectancy]		Medium mortality variant [Male: 85.89 years] [Female: 91.94 years]			Male: 84.95 years Female: 91.35 years
International migration assumption [Long-term international migration rate of Japanese people] [Long-term international migration of non-Japanese people]		[The average value from 2015 to 2019] [163,791 in 2040]			[The average value from 2010 to 2015] [69,275 in 2035]
Total population	2020	126.15 million	126.15 million	126.15 million	125.32 million
		↓	↓	↓	↓
	2045	108.80 million	112.03 million	106.00 million	106.42 million
		↓	↓	↓	↓
	2065	91.59 million	98.85 million	85.70 million	88.08 million
	2070	87.00 million	95.49 million	80.24 million	(83.23 million)
Aged 0 - 14	2020	15.03 million 11.9 %	15.03 million 11.9 %	15.03 million 11.9 %	15.07 million 12.0% ↓
	2045	11.03 million 10.1 %	13.21 million 11.8 %	9.19 million 8.7 %	11.38 million 10.7% ↓
	2065	8.36 million 9.1 %	11.28 million 11.4 %	6.20 million 7.2 %	8.98 million 10.2%
	2070	7.97 million 9.2 %	11.15 million 11.7 %	5.69 million 7.1 %	(8.53 million 10.2%)
Aged 15 - 64	2020	75.09 million 59.5 %	75.09 million 59.5 %	75.09 million 59.5 %	74.06 million 59.1% ↓
	2045	58.32 million 53.6 %	59.37 million 53.0 %	57.36 million 54.1 %	55.84 million 52.5% ↓
	2065	48.09 million 52.5 %	52.44 million 53.0 %	44.37 million 51.8 %	45.29 million 51.4%
	2070	45.35 million 52.1 %	50.67 million 53.1 %	40.87 million 50.9 %	(42.81 million 51.4%)
Aged 65 and over	2020	36.03 million 28.6 %	36.03 million 28.6 %	36.03 million 28.6 %	36.19 million 28.9% ↓
	2045	39.45 million 36.3 %	39.45 million 35.2 %	39.45 million 37.2 %	39.19 million 36.8% ↓
	2065	35.13 million 38.4 %	35.13 million 35.5 %	35.13 million 41.0 %	33.81 million 38.4%
	2070	33.67 million 38.7 %	33.67 million 35.3 %	33.67 million 42.0 %	(31.88 million 38.3%)

The figures for 2070 by 2017 projection (in brackets) are those in the long-range auxiliary projections.

Summary of Assumptions

Assumptions were made for the factors of population change, namely, births, deaths, and international migration, and the future population was projected using the cohort component method. Assumptions were set by demographic projection methods based on actual statistics for each factor.

(1) Summary of Fertility Assumptions

Assumptions were made on marriage and fertility indicators for the 2005 female birth cohort (reference cohort) and assumed that the older cohorts would change toward the levels in the assumptions and remain constant after the reference and later cohorts.

Type of assumption	Fertility assumtion index (Japanese women)	Current statistic value, women born in 1970		Assumption, women born in 2005 (reference cohort)	Total fertility rate						Projection in 2017	
					Statistics in 2020		Progression		2070		2065	
					Same definition as the Vital Statistics	(Japanese women)	Same definition as the Vital Statistics	(Japanese women)	Same definition as the Vital Statistics	(Japanese women)	Same definition as the Vital Statistics	Japanese women)
Medium fertility variant	(1) Mean age at first marriage	27.2 years old	→	28.6 years old	1.33	(1.31)	Maximum value 2070 | 2034 1.36 | 1.30 ····· Minimum value 2023 | 2023 1.23 | 1.20		1.36	(1.29)	1.44	(1.40)
	(2) Proportion of never married at age 50	15.0 %	→	19.1 %								
	(3) Completed number of births from married couples	1.83 children	→	1.71 children								
	(4) Coefficient of divorce, bereavement, and remarriage	0.965	→	0.966								
	(5) Cohort total fertility rate	1.45 children	→	1.29 children								
High fertility variant	(1) Mean age at first marriage	Same as above	→	28.1 years old	1.33	(1.31)	Maximum value 2070 | 2055 1.64 | 1.55 ····· Minimum value 2023 | 2023 1.37 | 1.35		1.64	(1.55)	1.65	(1.59)
	(2) Proportion of never married at age 50		→	13.4 %								
	(3) Completed number of births from married couples		→	1.91 children								
	(4) Coefficient of divorce, bereavement, and remarriage		→	0.966								
	(5) Cohort total fertility rate		→	1.55 children								
Low fertility variant	(1) Mean age at first marriage	Same as above	→	29.0 years old	1.33	(1.31)	Maximum value 2021 | 2021 1.17 | 1.15 ····· Minimum value 2023 | 2051 1.09 | 1.07		1.13	(1.07)	1.25	(1.21)
	(2) Proportion of never married at age 50		→	25.6 %								
	(3) Completed number of births from married couples		→	1.54 children								
	(4) Coefficient of divorce, bereavement, and remarriage		→	0.966								
	(5) Cohort total fertility rate		→	1.07 children								

In calculating the cohort total fertility rate, a coefficient is multiplied to ensure consistency between the statistics, including the sample survey, and those based on the Vital Statistics. The adjustment coefficient for the 1970 cohort is 0.969, while the adjustment coefficient for the reference cohort is 0.963 for the medium, 0.970 for the high, and 0.959 for the low.

Sex ratio at birth : The sex ratio at birth (105.2) for the period from 2016 to 2020 was assumed to remain constant.

(2) Summary of Mortality Assumptions

Based on actual mortality from 1970 to 2020, the "medium-mortality" assumption (85.89 years for males and 91.94 years for females in 2070) was made. The "high-mortality" (84.56 years for males and 90.59 years for females in the same year) and "low-mortality" (87.22 years for males and 93.27 years for females in the same year) assumptions were also made according to the interval where the parameter exists with a probability of 99%.

Life expectancy	Statistics 2020	Medium mortality variant 2070	Projection in 2017 2065
Male	81.58 years	→ 85.89 years	84.95 years
Female	87.72 years	→ 91.94 years	91.35 years

(3) Summary of International Migration Assumptions

For Japanese, the smoothed mean value of the sex- and age-specific rates of net migrants (net migration rate) for the period 2015 to 2019, excluding the year 2020, which was affected by the outbreak of COVID-19, was used as a constant (The values for the three years except for the maximum and minimum data for each age are adopted).

For non-Japanese, the average number of net migrants from 2016 to 2019, excluding the year 2020, was used as a constant as well. The total number of net migrants of non-Japanese origin in 2040 was assumed to be 163,791 for both sexes (69,275 in 2035, according to the 2017 projections). For the assumptions after 2041, the sex- and age-specific rates of net migrants in 2040 (however, the total population including both Japanese and non-Japanese is used as the denominator) are determined for each projection, and these are assumed to be constant. Assumed values for the percentage of non-Japanese entering Japan by sex and age, as well as the percentage of changes in nationality, were also derived based on past trends.

[International migration of non-Japanese people]	Statistics	Assumption 2040	Projection in 2017 2035
Total	The average value from 2016 to 2019 163,791	→ 163,791	69,275
Male	The average value from 1970 to 2019 Proportion of men: 49.8%	81,570	33,894
Female		82,221	35,380

The number of net migrants is for non-Japanese people, excluding those who stayed in Japan for 90 days or less. It is the number of immigrants minus that of emigrants from October of the previous year to September of the current year. The statistics of net migrants are the average for the four years except for 2020, which was affected by the COVID-19 pandemic. The sex ratio was calculated from 1970 to 2019, and we use the average value excluding the years with large fluctuations to obtain the sex ratio. Values by gender are rounded to the nearest person, so the sum may not equal the total number.

Ⅳ Projection Results and Assumptions

≪Projection Results for Medium-, High-, and Low-Fertility (Medium-Mortality)≫

Table1-1 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	126,146	15,032	75,088	36,027	11.9	59.5	28.6
2021	125,527	14,792	74,508	36,226	11.8	59.4	28.9
2022	124,978	14,515	74,196	36,266	11.6	59.4	29.0
2023	124,408	14,202	73,858	36,348	11.4	59.4	29.2
2024	123,844	13,915	73,466	36,463	11.2	59.3	29.4
2025	123,262	13,633	73,101	36,529	11.1	59.3	29.6
2026	122,661	13,355	72,742	36,564	10.9	59.3	29.8
2027	122,044	13,100	72,335	36,609	10.7	59.3	30.0
2028	121,414	12,850	71,880	36,683	10.6	59.2	30.2
2029	120,771	12,625	71,367	36,779	10.5	59.1	30.5
2030	120,116	12,397	70,757	36,962	10.3	58.9	30.8
2031	119,448	12,193	70,438	36,817	10.2	59.0	30.8
2032	118,766	12,026	69,705	37,035	10.1	58.7	31.2
2033	118,071	11,879	68,949	37,243	10.1	58.4	31.5
2034	117,362	11,771	68,111	37,480	10.0	58.0	31.9
2035	116,639	11,691	67,216	37,732	10.0	57.6	32.3
2036	115,902	11,605	66,268	38,030	10.0	57.2	32.8
2037	115,152	11,551	65,230	38,371	10.0	56.6	33.3
2038	114,391	11,520	64,132	38,739	10.1	56.1	33.9
2039	113,619	11,474	63,080	39,066	10.1	55.5	34.4
2040	112,837	11,419	62,133	39,285	10.1	55.1	34.8
2041	112,045	11,360	61,254	39,431	10.1	54.7	35.2
2042	111,243	11,292	60,451	39,500	10.2	54.3	35.5
2043	110,434	11,214	59,691	39,529	10.2	54.1	35.8
2044	109,620	11,126	58,989	39,505	10.1	53.8	36.0
2045	108,801	11,027	58,323	39,451	10.1	53.6	36.3
2046	107,981	10,919	57,720	39,342	10.1	53.5	36.4
2047	107,159	10,801	57,125	39,232	10.1	53.3	36.6
2048	106,336	10,676	56,529	39,131	10.0	53.2	36.8
2049	105,512	10,544	55,945	39,022	10.0	53.0	37.0
2050	104,686	10,406	55,402	38,878	9.9	52.9	37.1
2051	103,859	10,263	54,900	38,696	9.9	52.9	37.3
2052	103,029	10,115	54,409	38,505	9.8	52.8	37.4
2053	102,195	9,965	53,941	38,288	9.8	52.8	37.5
2054	101,355	9,813	53,500	38,042	9.7	52.8	37.5
2055	100,508	9,659	53,070	37,779	9.6	52.8	37.6
2056	99,654	9,507	52,652	37,495	9.5	52.8	37.6
2057	98,792	9,357	52,213	37,222	9.5	52.9	37.7
2058	97,920	9,209	51,771	36,939	9.4	52.9	37.7
2059	97,038	9,067	51,286	36,685	9.3	52.9	37.8
2060	96,148	8,930	50,781	36,437	9.3	52.8	37.9
2061	95,249	8,800	50,273	36,176	9.2	52.8	38.0
2062	94,342	8,677	49,748	35,916	9.2	52.7	38.1
2063	93,428	8,563	49,205	35,660	9.2	52.7	38.2
2064	92,509	8,457	48,659	35,392	9.1	52.6	38.3
2065	91,587	8,360	48,093	35,134	9.1	52.5	38.4
2066	90,663	8,270	47,531	34,861	9.1	52.4	38.5
2067	89,739	8,188	46,976	34,575	9.1	52.3	38.5
2068	88,819	8,113	46,434	34,273	9.1	52.3	38.6
2069	87,904	8,042	45,879	33,983	9.1	52.2	38.7
2070	86,996	7,975	45,350	33,671	9.2	52.1	38.7

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table1-2 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:High-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	126,146	15,032	75,088	36,027	11.9	59.5	28.6
2021	125,599	14,865	74,508	36,226	11.8	59.3	28.8
2022	125,143	14,680	74,196	36,266	11.7	59.3	29.0
2023	124,663	14,457	73,858	36,348	11.6	59.2	29.2
2024	124,194	14,265	73,466	36,463	11.5	59.2	29.4
2025	123,713	14,083	73,101	36,529	11.4	59.1	29.5
2026	123,216	13,910	72,742	36,564	11.3	59.0	29.7
2027	122,709	13,765	72,335	36,609	11.2	58.9	29.8
2028	122,193	13,630	71,880	36,683	11.2	58.8	30.0
2029	121,671	13,524	71,367	36,779	11.1	58.7	30.2
2030	121,140	13,421	70,757	36,962	11.1	58.4	30.5
2031	120,602	13,347	70,438	36,817	11.1	58.4	30.5
2032	120,054	13,314	69,705	37,035	11.1	58.1	30.8
2033	119,497	13,305	68,949	37,243	11.1	57.7	31.2
2034	118,929	13,338	68,111	37,480	11.2	57.3	31.5
2035	118,350	13,402	67,216	37,732	11.3	56.8	31.9
2036	117,759	13,389	66,340	38,030	11.4	56.3	32.3
2037	117,157	13,391	65,395	38,371	11.4	55.8	32.8
2038	116,545	13,418	64,387	38,739	11.5	55.2	33.2
2039	115,922	13,426	63,430	39,066	11.6	54.7	33.7
2040	115,290	13,421	62,584	39,285	11.6	54.3	34.1
2041	114,649	13,407	61,811	39,431	11.7	53.9	34.4
2042	114,001	13,380	61,121	39,500	11.7	53.6	34.6
2043	113,348	13,338	60,481	39,529	11.8	53.4	34.9
2044	112,691	13,280	59,905	39,505	11.8	53.2	35.1
2045	112,032	13,208	59,373	39,451	11.8	53.0	35.2
2046	111,373	13,122	58,909	39,342	11.8	52.9	35.3
2047	110,715	13,024	58,459	39,232	11.8	52.8	35.4
2048	110,058	12,916	58,012	39,131	11.7	52.7	35.6
2049	109,405	12,800	57,583	39,022	11.7	52.6	35.7
2050	108,753	12,678	57,197	38,878	11.7	52.6	35.7
2051	108,105	12,552	56,856	38,696	11.6	52.6	35.8
2052	107,458	12,425	56,528	38,505	11.6	52.6	35.8
2053	106,813	12,299	56,225	38,288	11.5	52.6	35.8
2054	106,167	12,174	55,951	38,042	11.5	52.7	35.8
2055	105,520	12,053	55,688	37,779	11.4	52.8	35.8
2056	104,871	11,937	55,438	37,495	11.4	52.9	35.8
2057	104,219	11,828	55,169	37,222	11.3	52.9	35.7
2058	103,563	11,727	54,897	36,939	11.3	53.0	35.7
2059	102,902	11,634	54,582	36,685	11.3	53.0	35.7
2060	102,236	11,551	54,247	36,437	11.3	53.1	35.6
2061	101,566	11,478	53,911	36,176	11.3	53.1	35.6
2062	100,891	11,415	53,561	35,916	11.3	53.1	35.6
2063	100,213	11,361	53,192	35,660	11.3	53.1	35.6
2064	99,533	11,316	52,824	35,392	11.4	53.1	35.6
2065	98,852	11,279	52,439	35,134	11.4	53.0	35.5
2066	98,171	11,248	52,062	34,861	11.5	53.0	35.5
2067	97,493	11,221	51,696	34,575	11.5	53.0	35.5
2068	96,818	11,198	51,348	34,273	11.6	53.0	35.4
2069	96,150	11,175	50,992	33,983	11.6	53.0	35.3
2070	95,490	11,152	50,667	33,671	11.7	53.1	35.3

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table1-3 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Low-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	126,146	15,032	75,088	36,027	11.9	59.5	28.6
2021	125,460	14,726	74,508	36,226	11.7	59.4	28.9
2022	124,827	14,364	74,196	36,266	11.5	59.4	29.1
2023	124,173	13,967	73,858	36,348	11.2	59.5	29.3
2024	123,521	13,592	73,466	36,463	11.0	59.5	29.5
2025	122,848	13,218	73,101	36,529	10.8	59.5	29.7
2026	122,150	12,844	72,742	36,564	10.5	59.6	29.9
2027	121,433	12,489	72,335	36,609	10.3	59.6	30.1
2028	120,698	12,135	71,880	36,683	10.1	59.6	30.4
2029	119,947	11,801	71,367	36,779	9.8	59.5	30.7
2030	119,180	11,461	70,757	36,962	9.6	59.4	31.0
2031	118,396	11,142	70,438	36,817	9.4	59.5	31.1
2032	117,597	10,857	69,705	37,035	9.2	59.3	31.5
2033	116,781	10,589	68,949	37,243	9.1	59.0	31.9
2034	115,950	10,359	68,111	37,480	8.9	58.7	32.3
2035	115,103	10,155	67,216	37,732	8.8	58.4	32.8
2036	114,242	10,010	66,202	38,030	8.8	57.9	33.3
2037	113,367	9,917	65,079	38,371	8.7	57.4	33.8
2038	112,480	9,844	63,897	38,739	8.8	56.8	34.4
2039	111,583	9,761	62,757	39,066	8.7	56.2	35.0
2040	110,678	9,674	61,719	39,285	8.7	55.8	35.5
2041	109,759	9,587	60,741	39,431	8.7	55.3	35.9
2042	108,830	9,496	59,835	39,500	8.7	55.0	36.3
2043	107,893	9,399	58,965	39,529	8.7	54.7	36.6
2044	106,949	9,295	58,148	39,505	8.7	54.4	36.9
2045	106,000	9,185	57,363	39,451	8.7	54.1	37.2
2046	105,047	9,069	56,635	39,342	8.6	53.9	37.5
2047	104,091	8,946	55,913	39,232	8.6	53.7	37.7
2048	103,133	8,817	55,184	39,131	8.5	53.5	37.9
2049	102,171	8,683	54,467	39,022	8.5	53.3	38.2
2050	101,207	8,541	53,787	38,878	8.4	53.1	38.4
2051	100,237	8,394	53,147	38,696	8.4	53.0	38.6
2052	99,262	8,241	52,516	38,505	8.3	52.9	38.8
2053	98,280	8,082	51,909	38,288	8.2	52.8	39.0
2054	97,289	7,919	51,328	38,042	8.1	52.8	39.1
2055	96,289	7,752	50,757	37,779	8.1	52.7	39.2
2056	95,278	7,584	50,199	37,495	8.0	52.7	39.4
2057	94,256	7,414	49,620	37,222	7.9	52.6	39.5
2058	93,221	7,245	49,038	36,939	7.8	52.6	39.6
2059	92,176	7,078	48,413	36,685	7.7	52.5	39.8
2060	91,118	6,914	47,767	36,437	7.6	52.4	40.0
2061	90,050	6,755	47,119	36,176	7.5	52.3	40.2
2062	88,973	6,603	46,454	35,916	7.4	52.2	40.4
2063	87,887	6,458	45,769	35,660	7.3	52.1	40.6
2064	86,796	6,322	45,081	35,392	7.3	51.9	40.8
2065	85,700	6,195	44,370	35,134	7.2	51.8	41.0
2066	84,602	6,078	43,662	34,861	7.2	51.6	41.2
2067	83,504	5,970	42,958	34,575	7.1	51.4	41.4
2068	82,409	5,871	42,265	34,273	7.1	51.3	41.6
2069	81,319	5,779	41,558	33,983	7.1	51.1	41.8
2070	80,237	5,694	40,872	33,671	7.1	50.9	42.0

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table1-4 Mean age and dependency ratio (total population): Medium-, high-, and low-fertility (medium-mortality) projections

Year	Medium-fertility (medium-mortality) projection				High-fertility (medium-mortality) projection				Low-fertility (medium-mortality) projection			
		Dependency Ratio				Dependency Ratio				Dependency Ratio		
	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over
2020	47.6	68.0	20.0	48.0	47.6	68.0	20.0	48.0	47.6	68.0	20.0	48.0
2021	47.9	68.5	19.9	48.6	47.9	68.6	20.0	48.6	48.0	68.4	19.8	48.6
2022	48.2	68.4	19.6	48.9	48.1	68.7	19.8	48.9	48.2	68.2	19.4	48.9
2023	48.4	68.4	19.2	49.2	48.3	68.8	19.6	49.2	48.5	68.1	18.9	49.2
2024	48.7	68.6	18.9	49.6	48.5	69.1	19.4	49.6	48.8	68.1	18.5	49.6
2025	48.9	68.6	18.6	50.0	48.7	69.2	19.3	50.0	49.1	68.1	18.1	50.0
2026	49.1	68.6	18.4	50.3	48.9	69.4	19.1	50.3	49.3	67.9	17.7	50.3
2027	49.3	68.7	18.1	50.6	49.1	69.6	19.0	50.6	49.6	67.9	17.3	50.6
2028	49.5	68.9	17.9	51.0	49.2	70.0	19.0	51.0	49.8	67.9	16.9	51.0
2029	49.7	69.2	17.7	51.5	49.4	70.5	19.0	51.5	50.0	68.1	16.5	51.5
2030	49.9	69.8	17.5	52.2	49.5	71.2	19.0	52.2	50.3	68.4	16.2	52.2
2031	50.1	69.6	17.3	52.3	49.7	71.2	18.9	52.3	50.5	68.1	15.8	52.3
2032	50.3	70.4	17.3	53.1	49.8	72.2	19.1	53.1	50.7	68.7	15.6	53.1
2033	50.4	71.2	17.2	54.0	49.9	73.3	19.3	54.0	50.9	69.4	15.4	54.0
2034	50.6	72.3	17.3	55.0	50.0	74.6	19.6	55.0	51.1	70.2	15.2	55.0
2035	50.7	73.5	17.4	56.1	50.1	76.1	19.9	56.1	51.3	71.2	15.1	56.1
2036	50.8	74.9	17.5	57.4	50.2	77.5	20.2	57.3	51.5	72.6	15.1	57.4
2037	51.0	76.5	17.7	58.8	50.2	79.2	20.5	58.7	51.7	74.2	15.2	59.0
2038	51.1	78.4	18.0	60.4	50.3	81.0	20.8	60.2	51.8	76.0	15.4	60.6
2039	51.2	80.1	18.2	61.9	50.4	82.8	21.2	61.6	52.0	77.8	15.6	62.2
2040	51.3	81.6	18.4	63.2	50.4	84.2	21.4	62.8	52.2	79.3	15.7	63.7
2041	51.4	82.9	18.5	64.4	50.5	85.5	21.7	63.8	52.3	80.7	15.8	64.9
2042	51.5	84.0	18.7	65.3	50.5	86.5	21.9	64.6	52.5	81.9	15.9	66.0
2043	51.7	85.0	18.8	66.2	50.6	87.4	22.1	65.4	52.6	83.0	15.9	67.0
2044	51.8	85.8	18.9	67.0	50.6	88.1	22.2	65.9	52.8	83.9	16.0	67.9
2045	51.9	86.5	18.9	67.6	50.7	88.7	22.2	66.4	52.9	84.8	16.0	68.8
2046	52.0	87.1	18.9	68.2	50.8	89.1	22.3	66.8	53.1	85.5	16.0	69.5
2047	52.1	87.6	18.9	68.7	50.8	89.4	22.3	67.1	53.2	86.2	16.0	70.2
2048	52.2	88.1	18.9	69.2	50.9	89.7	22.3	67.5	53.4	86.9	16.0	70.9
2049	52.3	88.6	18.8	69.8	50.9	90.0	22.2	67.8	53.6	87.6	15.9	71.6
2050	52.4	89.0	18.8	70.2	51.0	90.1	22.2	68.0	53.7	88.2	15.9	72.3
2051	52.6	89.2	18.7	70.5	51.0	90.1	22.1	68.1	53.9	88.6	15.8	72.8
2052	52.7	89.4	18.6	70.8	51.1	90.1	22.0	68.1	54.1	89.0	15.7	73.3
2053	52.8	89.5	18.5	71.0	51.2	90.0	21.9	68.1	54.3	89.3	15.6	73.8
2054	52.9	89.4	18.3	71.1	51.2	89.7	21.8	68.0	54.5	89.5	15.4	74.1
2055	53.0	89.4	18.2	71.2	51.3	89.5	21.6	67.8	54.6	89.7	15.3	74.4
2056	53.2	89.3	18.1	71.2	51.3	89.2	21.5	67.6	54.8	89.8	15.1	74.7
2057	53.3	89.2	17.9	71.3	51.4	88.9	21.4	67.5	55.0	90.0	14.9	75.0
2058	53.4	89.1	17.8	71.4	51.4	88.7	21.4	67.3	55.2	90.1	14.8	75.3
2059	53.5	89.2	17.7	71.5	51.5	88.5	21.3	67.2	55.3	90.4	14.6	75.8
2060	53.6	89.3	17.6	71.8	51.5	88.5	21.3	67.2	55.5	90.8	14.5	76.3
2061	53.7	89.5	17.5	72.0	51.5	88.4	21.3	67.1	55.6	91.1	14.3	76.8
2062	53.7	89.6	17.4	72.2	51.5	88.4	21.3	67.1	55.8	91.5	14.2	77.3
2063	53.8	89.9	17.4	72.5	51.5	88.4	21.4	67.0	55.9	92.0	14.1	77.9
2064	53.9	90.1	17.4	72.7	51.5	88.4	21.4	67.0	56.0	92.5	14.0	78.5
2065	53.9	90.4	17.4	73.1	51.4	88.5	21.5	67.0	56.2	93.1	14.0	79.2
2066	53.9	90.7	17.4	73.3	51.4	88.6	21.6	67.0	56.3	93.8	13.9	79.8
2067	54.0	91.0	17.4	73.6	51.3	88.6	21.7	66.9	56.4	94.4	13.9	80.5
2068	54.0	91.3	17.5	73.8	51.3	88.6	21.8	66.7	56.5	95.0	13.9	81.1
2069	54.0	91.6	17.5	74.1	51.3	88.6	21.9	66.6	56.5	95.7	13.9	81.8
2070	54.0	91.8	17.6	74.2	51.2	88.5	22.0	66.5	56.6	96.3	13.9	82.4

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.The dependency ratio is a ratio obtained by dividing dependent population (0-14, and 65 and older population) by the working-age population (15 to 64 years of age). Of the dependent population, the ratio obtained by dividing only the young population (0-14 years old population) is called the young-age dependency ratio, and the ratio obtained by dividing only the elderly population (65 and older population) is called the old-age dependency ratio. In this table, it is simply described as"0-14" and "65 +".The dependency ratio (listed as "Total" in the table) is the sum of the young-age and old-age dependency ratio.

Table1-5 Number and rate of births, deaths and natural increase (total popultion) : Medium-fertility (medium-mortality) projection

Year	Number (thoudands)			Rate (per 1,000 population)		
	Birth	Death	Natural increase	Birth	Death	Natural increase
2021	831	1,445	-614	6.6	11.5	-4.9
2022	787	1,532	-745	6.3	12.3	-6.0
2023	762	1,490	-729	6.1	12.0	-5.9
2024	779	1,508	-728	6.3	12.2	-5.9
2025	774	1,525	-750	6.3	12.4	-6.1
2026	771	1,541	-770	6.3	12.6	-6.3
2027	772	1,556	-784	6.3	12.7	-6.4
2028	773	1,570	-797	6.4	12.9	-6.6
2029	774	1,583	-809	6.4	13.1	-6.7
2030	774	1,596	-822	6.4	13.3	-6.8
2031	773	1,607	-834	6.5	13.5	-7.0
2032	770	1,618	-848	6.5	13.6	-7.1
2033	766	1,628	-862	6.5	13.8	-7.3
2034	761	1,637	-876	6.5	13.9	-7.5
2035	755	1,645	-890	6.5	14.1	-7.6
2036	749	1,652	-903	6.5	14.3	-7.8
2037	741	1,657	-916	6.4	14.4	-8.0
2038	734	1,662	-928	6.4	14.5	-8.1
2039	726	1,664	-938	6.4	14.6	-8.3
2040	718	1,665	-947	6.4	14.8	-8.4
2041	710	1,664	-954	6.3	14.9	-8.5
2042	701	1,661	-960	6.3	14.9	-8.6
2043	692	1,656	-963	6.3	15.0	-8.7
2044	683	1,649	-966	6.2	15.0	-8.8
2045	672	1,640	-967	6.2	15.1	-8.9
2046	662	1,630	-968	6.1	15.1	-9.0
2047	651	1,619	-968	6.1	15.1	-9.0
2048	639	1,607	-968	6.0	15.1	-9.1
2049	628	1,596	-968	5.9	15.1	-9.2
2050	616	1,585	-969	5.9	15.1	-9.3
2051	604	1,575	-970	5.8	15.2	-9.3
2052	594	1,566	-973	5.8	15.2	-9.4
2053	583	1,560	-976	5.7	15.3	-9.6
2054	574	1,555	-981	5.7	15.3	-9.7
2055	566	1,553	-987	5.6	15.5	-9.8
2056	558	1,553	-994	5.6	15.6	-10.0
2057	552	1,554	-1,002	5.6	15.7	-10.1
2058	547	1,557	-1,010	5.6	15.9	-10.3
2059	542	1,560	-1,018	5.6	16.1	-10.5
2060	538	1,564	-1,026	5.6	16.3	-10.7
2061	534	1,567	-1,033	5.6	16.5	-10.8
2062	531	1,570	-1,039	5.6	16.6	-11.0
2063	528	1,571	-1,044	5.6	16.8	-11.2
2064	524	1,571	-1,047	5.7	17.0	-11.3
2065	521	1,569	-1,048	5.7	17.1	-11.4
2066	517	1,565	-1,047	5.7	17.3	-11.6
2067	514	1,558	-1,044	5.7	17.4	-11.6
2068	509	1,548	-1,039	5.7	17.4	-11.7
2069	505	1,536	-1,031	5.7	17.5	-11.7
2070	500	1,521	-1,022	5.7	17.5	-11.7

For the period from January 1st to December 31th. Including foreigners in Japan.

Table1-6 Number and rate of births, deaths and natural increase (total popultion) : High-fertility (medium-mortality) projection

Year	Number (thoudands)			Rate (per 1,000 population)		
	Birth	Death	Natural increase	Birth	Death	Natural increase
2021	927	1,446	-518	7.4	11.5	-4.1
2022	879	1,532	-653	7.0	12.2	-5.2
2023	852	1,491	-638	6.8	12.0	-5.1
2024	877	1,508	-631	7.1	12.1	-5.1
2025	876	1,525	-649	7.1	12.3	-5.2
2026	877	1,541	-664	7.1	12.5	-5.4
2027	883	1,556	-673	7.2	12.7	-5.5
2028	890	1,570	-680	7.3	12.8	-5.6
2029	896	1,583	-688	7.4	13.0	-5.7
2030	900	1,596	-695	7.4	13.2	-5.7
2031	904	1,607	-704	7.5	13.3	-5.8
2032	906	1,618	-712	7.5	13.5	-5.9
2033	905	1,628	-723	7.6	13.6	-6.0
2034	903	1,637	-734	7.6	13.8	-6.2
2035	900	1,645	-745	7.6	13.9	-6.3
2036	895	1,652	-757	7.6	14.0	-6.4
2037	890	1,658	-768	7.6	14.1	-6.6
2038	883	1,662	-779	7.6	14.3	-6.7
2039	876	1,665	-789	7.6	14.4	-6.8
2040	868	1,665	-797	7.5	14.4	-6.9
2041	860	1,664	-804	7.5	14.5	-7.0
2042	852	1,661	-809	7.5	14.6	-7.1
2043	843	1,656	-813	7.4	14.6	-7.2
2044	834	1,649	-815	7.4	14.6	-7.2
2045	824	1,640	-816	7.4	14.6	-7.3
2046	814	1,630	-816	7.3	14.6	-7.3
2047	804	1,619	-815	7.3	14.6	-7.4
2048	795	1,608	-813	7.2	14.6	-7.4
2049	786	1,596	-811	7.2	14.6	-7.4
2050	777	1,585	-808	7.1	14.6	-7.4
2051	769	1,575	-806	7.1	14.6	-7.5
2052	763	1,567	-804	7.1	14.6	-7.5
2053	757	1,561	-804	7.1	14.6	-7.5
2054	752	1,556	-804	7.1	14.7	-7.6
2055	749	1,554	-805	7.1	14.7	-7.6
2056	746	1,554	-807	7.1	14.8	-7.7
2057	745	1,555	-810	7.1	14.9	-7.8
2058	744	1,558	-814	7.2	15.0	-7.9
2059	744	1,561	-817	7.2	15.2	-7.9
2060	744	1,565	-821	7.3	15.3	-8.0
2061	744	1,568	-825	7.3	15.4	-8.1
2062	744	1,571	-827	7.4	15.6	-8.2
2063	743	1,573	-829	7.4	15.7	-8.3
2064	743	1,573	-830	7.5	15.8	-8.3
2065	741	1,571	-829	7.5	15.9	-8.4
2066	739	1,566	-827	7.5	16.0	-8.4
2067	737	1,560	-823	7.6	16.0	-8.4
2068	734	1,550	-816	7.6	16.0	-8.4
2069	730	1,538	-808	7.6	16.0	-8.4
2070	725	1,523	-798	7.6	16.0	-8.4

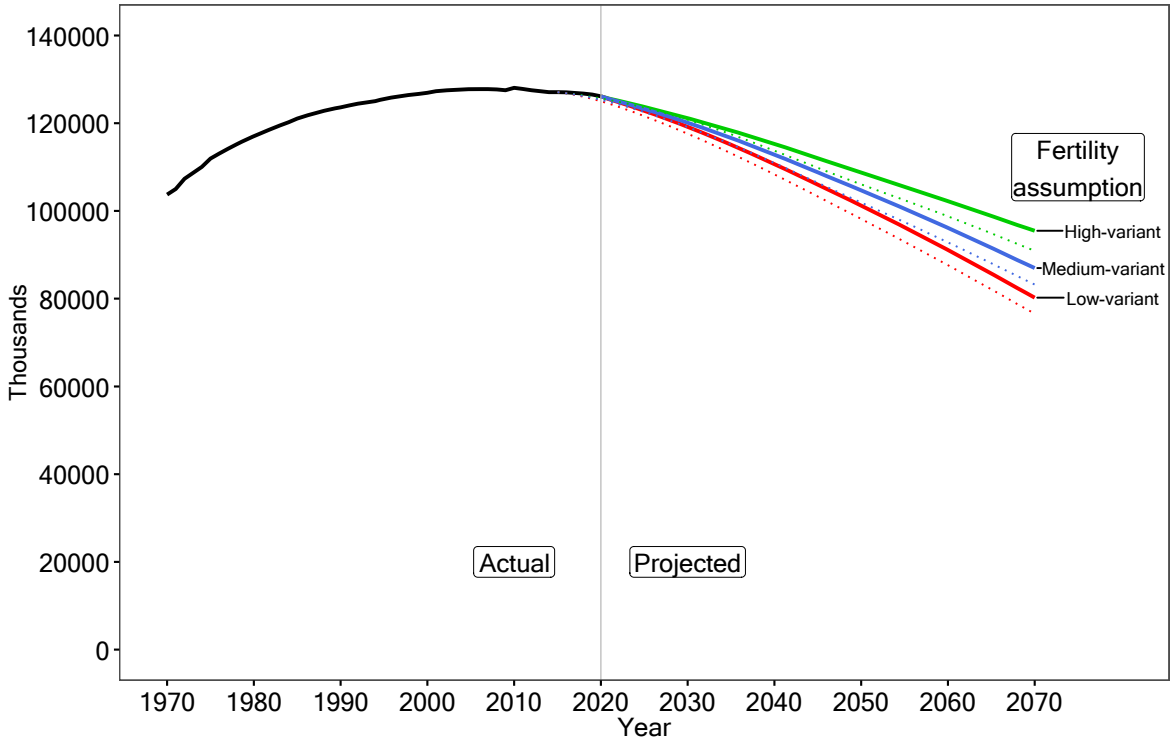
For the period from January 1st to December 31th. Including foreigners in Japan.

Table1-7 Number and rate of births, deaths and natural increase (total popultion) : Low-fertility (medium-mortality) projection

Year	Number (thoudands)			Rate (per 1,000 population)		
	Birth	Death	Natural increase	Birth	Death	Natural increase
2021	743	1,445	-702	5.9	11.5	-5.6
2022	703	1,532	-829	5.6	12.3	-6.6
2023	678	1,490	-812	5.5	12.0	-6.5
2024	690	1,507	-818	5.6	12.2	-6.6
2025	681	1,524	-844	5.5	12.4	-6.9
2026	674	1,540	-867	5.5	12.6	-7.1
2027	670	1,555	-885	5.5	12.8	-7.3
2028	668	1,570	-902	5.5	13.0	-7.5
2029	665	1,583	-918	5.5	13.2	-7.7
2030	661	1,595	-934	5.5	13.4	-7.8
2031	656	1,607	-950	5.5	13.6	-8.0
2032	651	1,618	-966	5.5	13.8	-8.2
2033	645	1,628	-983	5.5	13.9	-8.4
2034	638	1,636	-998	5.5	14.1	-8.6
2035	631	1,644	-1,014	5.5	14.3	-8.8
2036	624	1,651	-1,028	5.5	14.5	-9.0
2037	616	1,657	-1,041	5.4	14.6	-9.2
2038	609	1,661	-1,053	5.4	14.8	-9.4
2039	601	1,664	-1,063	5.4	14.9	-9.5
2040	593	1,665	-1,071	5.4	15.0	-9.7
2041	586	1,664	-1,078	5.3	15.2	-9.8
2042	577	1,660	-1,083	5.3	15.3	-10.0
2043	568	1,655	-1,087	5.3	15.3	-10.1
2044	559	1,648	-1,089	5.2	15.4	-10.2
2045	549	1,639	-1,090	5.2	15.5	-10.3
2046	539	1,629	-1,091	5.1	15.5	-10.4
2047	527	1,618	-1,091	5.1	15.5	-10.5
2048	515	1,607	-1,092	5.0	15.6	-10.6
2049	502	1,595	-1,093	4.9	15.6	-10.7
2050	489	1,584	-1,095	4.8	15.7	-10.8
2051	475	1,574	-1,099	4.7	15.7	-11.0
2052	462	1,566	-1,104	4.7	15.8	-11.1
2053	450	1,559	-1,110	4.6	15.9	-11.3
2054	438	1,555	-1,117	4.5	16.0	-11.5
2055	427	1,552	-1,125	4.4	16.1	-11.7
2056	417	1,552	-1,135	4.4	16.3	-11.9
2057	408	1,553	-1,145	4.3	16.5	-12.1
2058	401	1,556	-1,155	4.3	16.7	-12.4
2059	394	1,559	-1,165	4.3	16.9	-12.6
2060	388	1,563	-1,175	4.3	17.1	-12.9
2061	382	1,566	-1,184	4.2	17.4	-13.1
2062	378	1,569	-1,191	4.2	17.6	-13.4
2063	373	1,570	-1,197	4.2	17.9	-13.6
2064	369	1,570	-1,201	4.3	18.1	-13.8
2065	365	1,568	-1,203	4.3	18.3	-14.0
2066	361	1,563	-1,202	4.3	18.5	-14.2
2067	357	1,556	-1,199	4.3	18.6	-14.4
2068	353	1,547	-1,194	4.3	18.8	-14.5
2069	348	1,534	-1,186	4.3	18.9	-14.6
2070	344	1,520	-1,176	4.3	18.9	-14.7

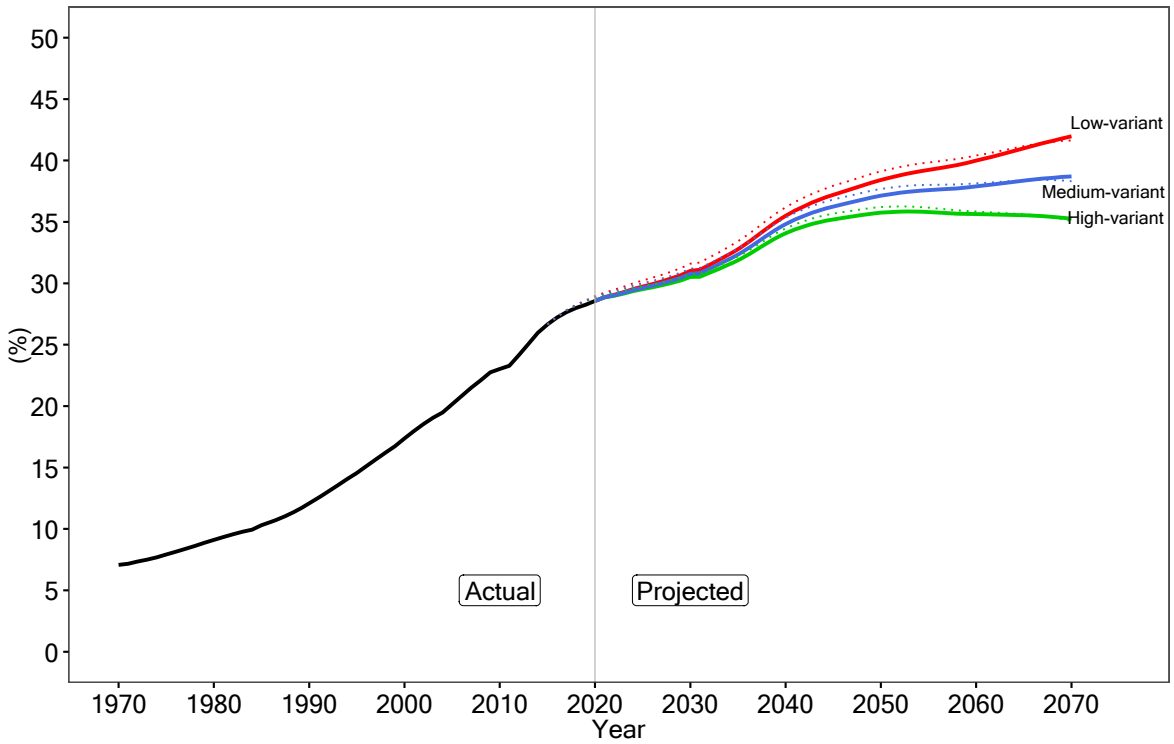
For the period from January 1st to December 31th. Including foreigners in Japan.

Figure 1-1 Actual and projected population of Japan: Medium-, high-, and low-fertility (medium-mortality) projections



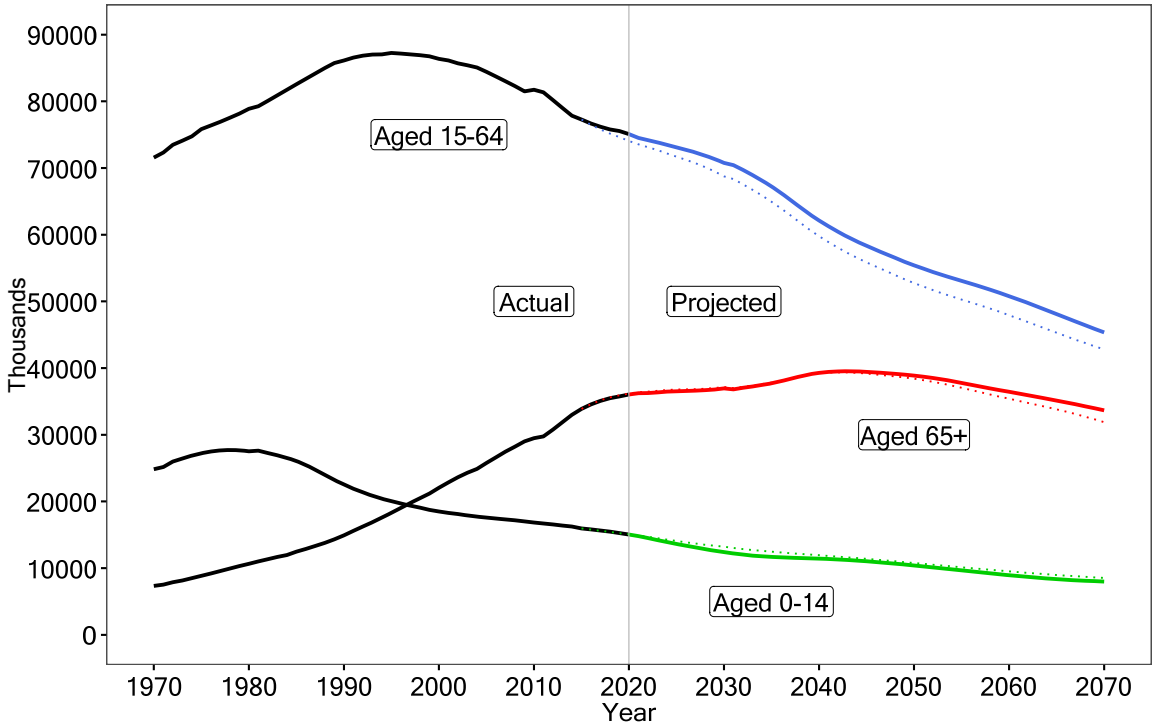
The latest projections are shown in solid lines and previous projections are shown in broken lines.

Figure 1-2 Trends in the proportion of the population aged 65 and over: Medium-, high-, and low-fertility (medium-mortality) projections



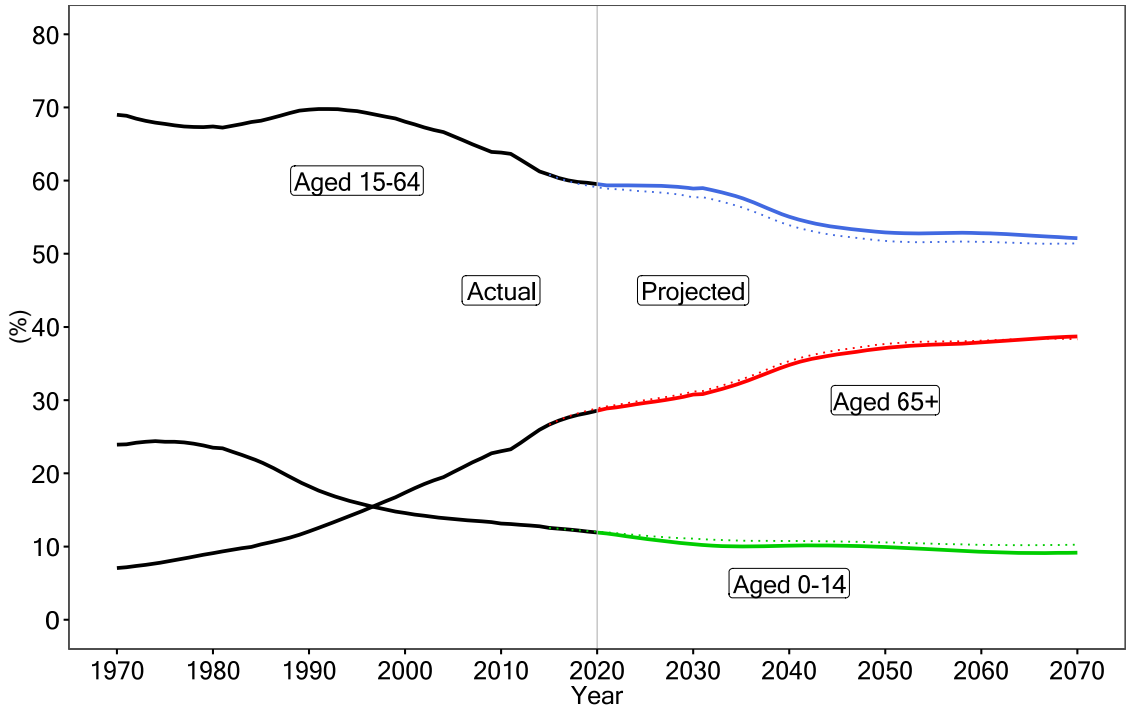
The latest projections are shown in solid lines and previous projections are shown in broken lines.

Figure 1-3 Trends in the population of major three age groups: Medium-fertility (medium-mortality) projections



Previous projections are shown in broken lines.

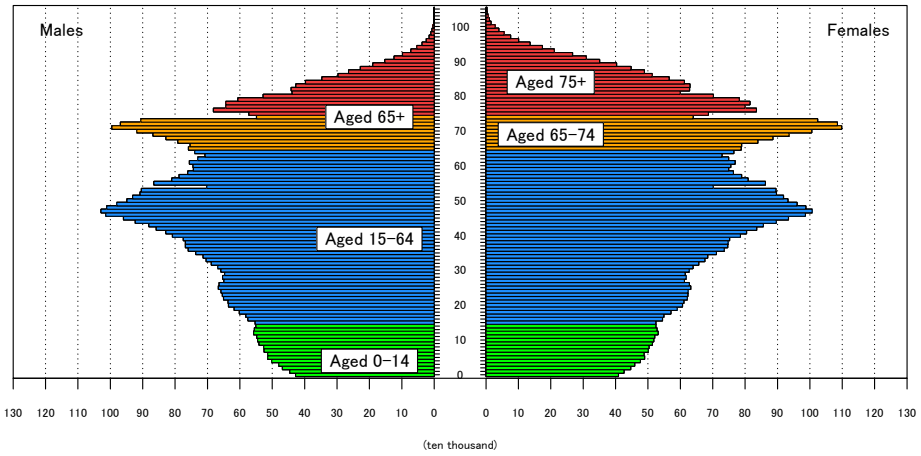
Figure 1-4 Trends in the proportion of major three age groups: Medium-fertility (medium-mortality) projections



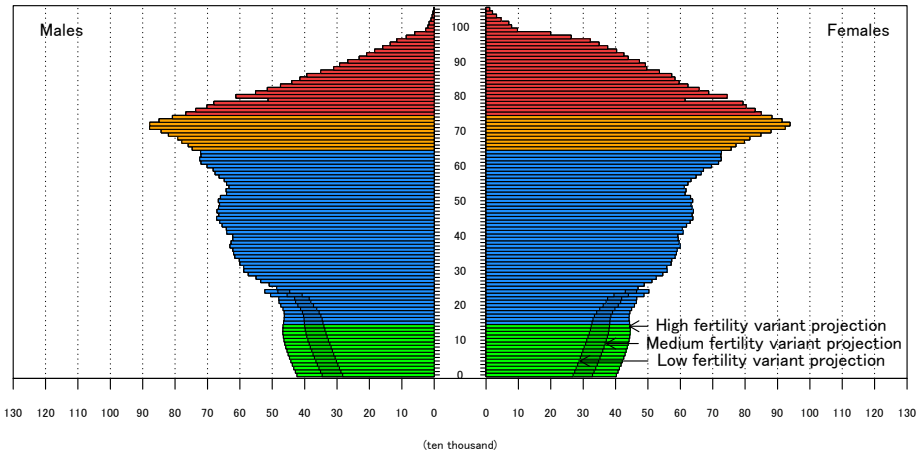
Previous projections are shown in broken lines.

Figure 1-5 Population pyramid (total population): Three fertility variant projections with a medium-mortality assumption

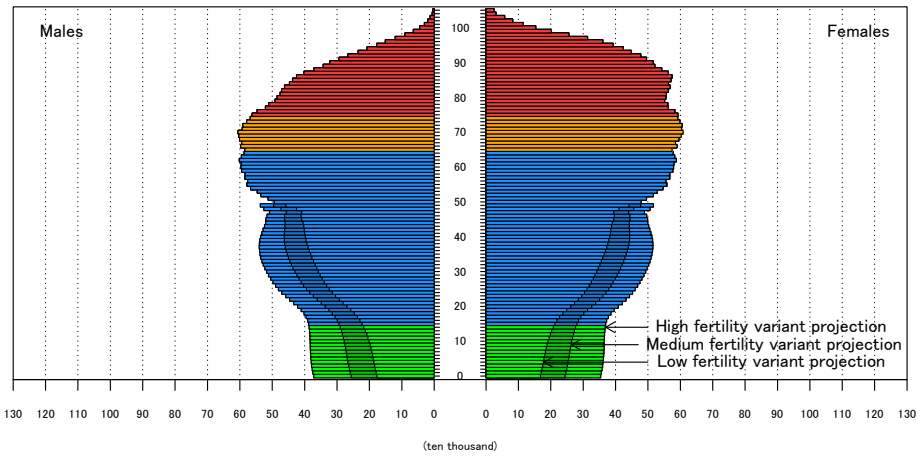
(1) 2020



(2) 2045



(3) 2070



≪Projection Results for Medium-Fertility (Medium-, High-, and Low-Mortality)≫

Table2-1 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (high-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	126,146	15,032	75,088	36,027	11.9	59.5	28.6
2021	125,427	14,792	74,499	36,136	11.8	59.4	28.8
2022	124,745	14,514	74,175	36,055	11.6	59.5	28.9
2023	124,054	14,201	73,827	36,026	11.4	59.5	29.0
2024	123,378	13,913	73,425	36,039	11.3	59.5	29.2
2025	122,692	13,630	73,051	36,011	11.1	59.5	29.4
2026	121,995	13,352	72,685	35,958	10.9	59.6	29.5
2027	121,288	13,097	72,270	35,922	10.8	59.6	29.6
2028	120,575	12,847	71,808	35,921	10.7	59.6	29.8
2029	119,856	12,621	71,288	35,947	10.5	59.5	30.0
2030	119,129	12,393	70,673	36,064	10.4	59.3	30.3
2031	118,395	12,188	70,348	35,860	10.3	59.4	30.3
2032	117,653	12,021	69,611	36,021	10.2	59.2	30.6
2033	116,902	11,874	68,851	36,177	10.2	58.9	30.9
2034	116,140	11,765	68,011	36,364	10.1	58.6	31.3
2035	115,369	11,685	67,113	36,571	10.1	58.2	31.7
2036	114,587	11,598	66,163	36,826	10.1	57.7	32.1
2037	113,797	11,545	65,124	37,128	10.1	57.2	32.6
2038	112,998	11,513	64,026	37,459	10.2	56.7	33.1
2039	112,192	11,467	62,974	37,751	10.2	56.1	33.6
2040	111,380	11,412	62,028	37,940	10.2	55.7	34.1
2041	110,561	11,353	61,148	38,060	10.3	55.3	34.4
2042	109,735	11,285	60,345	38,105	10.3	55.0	34.7
2043	108,905	11,207	59,585	38,113	10.3	54.7	35.0
2044	108,073	11,119	58,882	38,072	10.3	54.5	35.2
2045	107,238	11,020	58,216	38,002	10.3	54.3	35.4
2046	106,404	10,911	57,613	37,879	10.3	54.1	35.6
2047	105,569	10,794	57,018	37,756	10.2	54.0	35.8
2048	104,733	10,669	56,421	37,643	10.2	53.9	35.9
2049	103,897	10,537	55,838	37,522	10.1	53.7	36.1
2050	103,059	10,399	55,294	37,366	10.1	53.7	36.3
2051	102,218	10,256	54,792	37,171	10.0	53.6	36.4
2052	101,373	10,108	54,300	36,966	10.0	53.6	36.5
2053	100,523	9,957	53,832	36,733	9.9	53.6	36.5
2054	99,665	9,805	53,390	36,470	9.8	53.6	36.6
2055	98,799	9,652	52,959	36,188	9.8	53.6	36.6
2056	97,924	9,499	52,540	35,885	9.7	53.7	36.6
2057	97,039	9,349	52,100	35,590	9.6	53.7	36.7
2058	96,145	9,201	51,658	35,286	9.6	53.7	36.7
2059	95,242	9,059	51,172	35,011	9.5	53.7	36.8
2060	94,329	8,922	50,666	34,741	9.5	53.7	36.8
2061	93,409	8,791	50,158	34,460	9.4	53.7	36.9
2062	92,483	8,669	49,634	34,181	9.4	53.7	37.0
2063	91,552	8,554	49,090	33,908	9.3	53.6	37.0
2064	90,618	8,448	48,545	33,625	9.3	53.6	37.1
2065	89,683	8,351	47,978	33,355	9.3	53.5	37.2
2066	88,750	8,261	47,416	33,072	9.3	53.4	37.3
2067	87,821	8,179	46,861	32,780	9.3	53.4	37.3
2068	86,898	8,104	46,319	32,475	9.3	53.3	37.4
2069	85,982	8,033	45,765	32,185	9.3	53.2	37.4
2070	85,077	7,966	45,235	31,876	9.4	53.2	37.5

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table2-2 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (low-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	126,146	15,032	75,088	36,027	11.9	59.5	28.6
2021	125,619	14,793	74,516	36,310	11.8	59.3	28.9
2022	125,196	14,516	74,215	36,465	11.6	59.3	29.1
2023	124,742	14,203	73,886	36,652	11.4	59.2	29.4
2024	124,285	13,916	73,503	36,866	11.2	59.1	29.7
2025	123,804	13,634	73,146	37,024	11.0	59.1	29.9
2026	123,297	13,357	72,795	37,145	10.8	59.0	30.1
2027	122,768	13,103	72,394	37,271	10.7	59.0	30.4
2028	122,220	12,853	71,946	37,421	10.5	58.9	30.6
2029	121,654	12,628	71,438	37,587	10.4	58.7	30.9
2030	121,070	12,401	70,833	37,836	10.2	58.5	31.3
2031	120,468	12,197	70,520	37,752	10.1	58.5	31.3
2032	119,849	12,031	69,791	38,028	10.0	58.2	31.7
2033	119,211	11,884	69,038	38,290	10.0	57.9	32.1
2034	118,556	11,776	68,203	38,577	9.9	57.5	32.5
2035	117,883	11,697	67,309	38,877	9.9	57.1	33.0
2036	117,192	11,610	66,363	39,219	9.9	56.6	33.5
2037	116,485	11,557	65,326	39,603	9.9	56.1	34.0
2038	115,763	11,525	64,228	40,010	10.0	55.5	34.6
2039	115,027	11,479	63,175	40,372	10.0	54.9	35.1
2040	114,278	11,425	62,229	40,624	10.0	54.5	35.5
2041	113,515	11,366	61,349	40,800	10.0	54.0	35.9
2042	112,739	11,298	60,547	40,894	10.0	53.7	36.3
2043	111,953	11,220	59,786	40,947	10.0	53.4	36.6
2044	111,159	11,132	59,084	40,943	10.0	53.2	36.8
2045	110,358	11,033	58,419	40,907	10.0	52.9	37.1
2046	109,553	10,925	57,816	40,813	10.0	52.8	37.3
2047	108,745	10,807	57,222	40,716	9.9	52.6	37.4
2048	107,934	10,682	56,625	40,627	9.9	52.5	37.6
2049	107,122	10,550	56,042	40,530	9.8	52.3	37.8
2050	106,309	10,412	55,499	40,398	9.8	52.2	38.0
2051	105,494	10,269	54,997	40,228	9.7	52.1	38.1
2052	104,677	10,122	54,506	40,050	9.7	52.1	38.3
2053	103,858	9,971	54,039	39,848	9.6	52.0	38.4
2054	103,035	9,819	53,598	39,617	9.5	52.0	38.5
2055	102,207	9,666	53,168	39,372	9.5	52.0	38.5
2056	101,372	9,514	52,751	39,107	9.4	52.0	38.6
2057	100,531	9,363	52,313	38,854	9.3	52.0	38.6
2058	99,681	9,216	51,872	38,593	9.2	52.0	38.7
2059	98,822	9,074	51,387	38,361	9.2	52.0	38.8
2060	97,954	8,937	50,882	38,136	9.1	51.9	38.9
2061	97,077	8,807	50,374	37,897	9.1	51.9	39.0
2062	96,191	8,684	49,850	37,657	9.0	51.8	39.1
2063	95,298	8,570	49,306	37,421	9.0	51.7	39.3
2064	94,396	8,464	48,761	37,171	9.0	51.7	39.4
2065	93,490	8,367	48,194	36,929	8.9	51.5	39.5
2066	92,578	8,278	47,632	36,668	8.9	51.5	39.6
2067	91,665	8,196	47,076	36,393	8.9	51.4	39.7
2068	90,751	8,120	46,534	36,097	8.9	51.3	39.8
2069	89,839	8,050	45,979	35,810	9.0	51.2	39.9
2070	88,932	7,983	45,450	35,499	9.0	51.1	39.9

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table2-3 Mean age and dependency ratio (total population): Medium-fertility (medium-, high-, and low-mortality) projections

Year	Medium-fertility (medium-mortality) projection				Medium-fertility (high-mortality) projections				Medium-fertility (low-mortality) projections			
		Dependency Ratio				Dependency Ratio				Dependency Ratio		
	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over	MeanAge (year)	Total	0-14 years old population	Population aged 65 and over
2020	47.6	68.0	20.0	48.0	47.6	68.0	20.0	48.0	47.6	68.0	20.0	48.0
2021	47.9	68.5	19.9	48.6	47.9	68.4	19.9	48.5	48.0	68.6	19.9	48.7
2022	48.2	68.4	19.6	48.9	48.1	68.2	19.6	48.6	48.2	68.7	19.6	49.1
2023	48.4	68.4	19.2	49.2	48.3	68.0	19.2	48.8	48.5	68.8	19.2	49.6
2024	48.7	68.6	18.9	49.6	48.5	68.0	18.9	49.1	48.8	69.1	18.9	50.2
2025	48.9	68.6	18.6	50.0	48.7	68.0	18.7	49.3	49.0	69.3	18.6	50.6
2026	49.1	68.6	18.4	50.3	48.9	67.8	18.4	49.5	49.3	69.4	18.3	51.0
2027	49.3	68.7	18.1	50.6	49.1	67.8	18.1	49.7	49.5	69.6	18.1	51.5
2028	49.5	68.9	17.9	51.0	49.3	67.9	17.9	50.0	49.8	69.9	17.9	52.0
2029	49.7	69.2	17.7	51.5	49.5	68.1	17.7	50.4	50.0	70.3	17.7	52.6
2030	49.9	69.8	17.5	52.2	49.6	68.6	17.5	51.0	50.2	70.9	17.5	53.4
2031	50.1	69.6	17.3	52.3	49.8	68.3	17.3	51.0	50.4	70.8	17.3	53.5
2032	50.3	70.4	17.3	53.1	49.9	69.0	17.3	51.7	50.6	71.7	17.2	54.5
2033	50.4	71.2	17.2	54.0	50.1	69.8	17.2	52.5	50.7	72.7	17.2	55.5
2034	50.6	72.3	17.3	55.0	50.2	70.8	17.3	53.5	50.9	73.8	17.3	56.6
2035	50.7	73.5	17.4	56.1	50.3	71.9	17.4	54.5	51.1	75.1	17.4	57.8
2036	50.8	74.9	17.5	57.4	50.5	73.2	17.5	55.7	51.2	76.6	17.5	59.1
2037	51.0	76.5	17.7	58.8	50.6	74.7	17.7	57.0	51.4	78.3	17.7	60.6
2038	51.1	78.4	18.0	60.4	50.7	76.5	18.0	58.5	51.5	80.2	17.9	62.3
2039	51.2	80.1	18.2	61.9	50.8	78.2	18.2	59.9	51.6	82.1	18.2	63.9
2040	51.3	81.6	18.4	63.2	50.9	79.6	18.4	61.2	51.8	83.6	18.4	65.3
2041	51.4	82.9	18.5	64.4	51.0	80.8	18.6	62.2	51.9	85.0	18.5	66.5
2042	51.5	84.0	18.7	65.3	51.1	81.8	18.7	63.1	52.0	86.2	18.7	67.5
2043	51.7	85.0	18.8	66.2	51.2	82.8	18.8	64.0	52.1	87.3	18.8	68.5
2044	51.8	85.8	18.9	67.0	51.3	83.5	18.9	64.7	52.2	88.1	18.8	69.3
2045	51.9	86.5	18.9	67.6	51.4	84.2	18.9	65.3	52.3	88.9	18.9	70.0
2046	52.0	87.1	18.9	68.2	51.5	84.7	18.9	65.7	52.5	89.5	18.9	70.6
2047	52.1	87.6	18.9	68.7	51.6	85.1	18.9	66.2	52.6	90.0	18.9	71.2
2048	52.2	88.1	18.9	69.2	51.7	85.6	18.9	66.7	52.7	90.6	18.9	71.7
2049	52.3	88.6	18.8	69.8	51.8	86.1	18.9	67.2	52.8	91.1	18.8	72.3
2050	52.4	89.0	18.8	70.2	51.9	86.4	18.8	67.6	52.9	91.6	18.8	72.8
2051	52.6	89.2	18.7	70.5	52.0	86.6	18.7	67.8	53.1	91.8	18.7	73.1
2052	52.7	89.4	18.6	70.8	52.1	86.7	18.6	68.1	53.2	92.0	18.6	73.5
2053	52.8	89.5	18.5	71.0	52.3	86.7	18.5	68.2	53.3	92.2	18.5	73.7
2054	52.9	89.4	18.3	71.1	52.4	86.7	18.4	68.3	53.5	92.2	18.3	73.9
2055	53.0	89.4	18.2	71.2	52.5	86.6	18.2	68.3	53.6	92.2	18.2	74.1
2056	53.2	89.3	18.1	71.2	52.6	86.4	18.1	68.3	53.7	92.2	18.0	74.1
2057	53.3	89.2	17.9	71.3	52.7	86.3	17.9	68.3	53.9	92.2	17.9	74.3
2058	53.4	89.1	17.8	71.4	52.8	86.1	17.8	68.3	54.0	92.2	17.8	74.4
2059	53.5	89.2	17.7	71.5	52.9	86.1	17.7	68.4	54.1	92.3	17.7	74.7
2060	53.6	89.3	17.6	71.8	53.0	86.2	17.6	68.6	54.2	92.5	17.6	74.9
2061	53.7	89.5	17.5	72.0	53.0	86.2	17.5	68.7	54.3	92.7	17.5	75.2
2062	53.7	89.6	17.4	72.2	53.1	86.3	17.5	68.9	54.4	93.0	17.4	75.5
2063	53.8	89.9	17.4	72.5	53.1	86.5	17.4	69.1	54.5	93.3	17.4	75.9
2064	53.9	90.1	17.4	72.7	53.2	86.7	17.4	69.3	54.5	93.6	17.4	76.2
2065	53.9	90.4	17.4	73.1	53.2	86.9	17.4	69.5	54.6	94.0	17.4	76.6
2066	53.9	90.7	17.4	73.3	53.2	87.2	17.4	69.7	54.7	94.4	17.4	77.0
2067	54.0	91.0	17.4	73.6	53.3	87.4	17.5	70.0	54.7	94.7	17.4	77.3
2068	54.0	91.3	17.5	73.8	53.3	87.6	17.5	70.1	54.7	95.0	17.5	77.6
2069	54.0	91.6	17.5	74.1	53.3	87.9	17.6	70.3	54.8	95.4	17.5	77.9
2070	54.0	91.8	17.6	74.2	53.3	88.1	17.6	70.5	54.8	95.7	17.6	78.1

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.The dependency ratio is a ratio obtained by dividing dependent population (0-14, and 65 and older population) by the working-age population (15 to 64 years of age). Of the dependent population, the ratio obtained by dividing only the young population (0-14 years old population) is called the young-age dependency ratio, and the ratio obtained by dividing only the elderly population (65 and older population) is called the old-age dependency ratio. In this table, it is simply described as"0-14" and "65 +".The dependency ratio (listed as "Total" in the table) is the sum of the young-age and old-age dependency ratio.

Figure 2-1 Actual and projected population of Japan: Medium-fertility (medium-, high, and low-mortality) projections

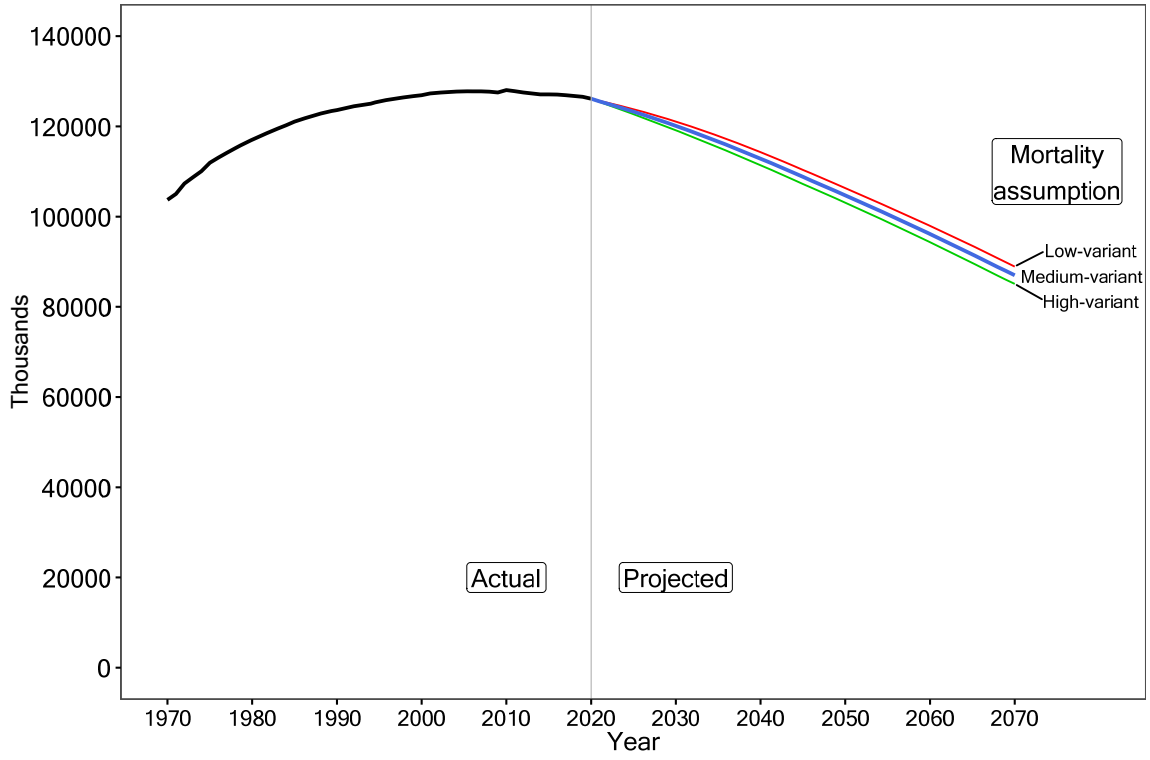
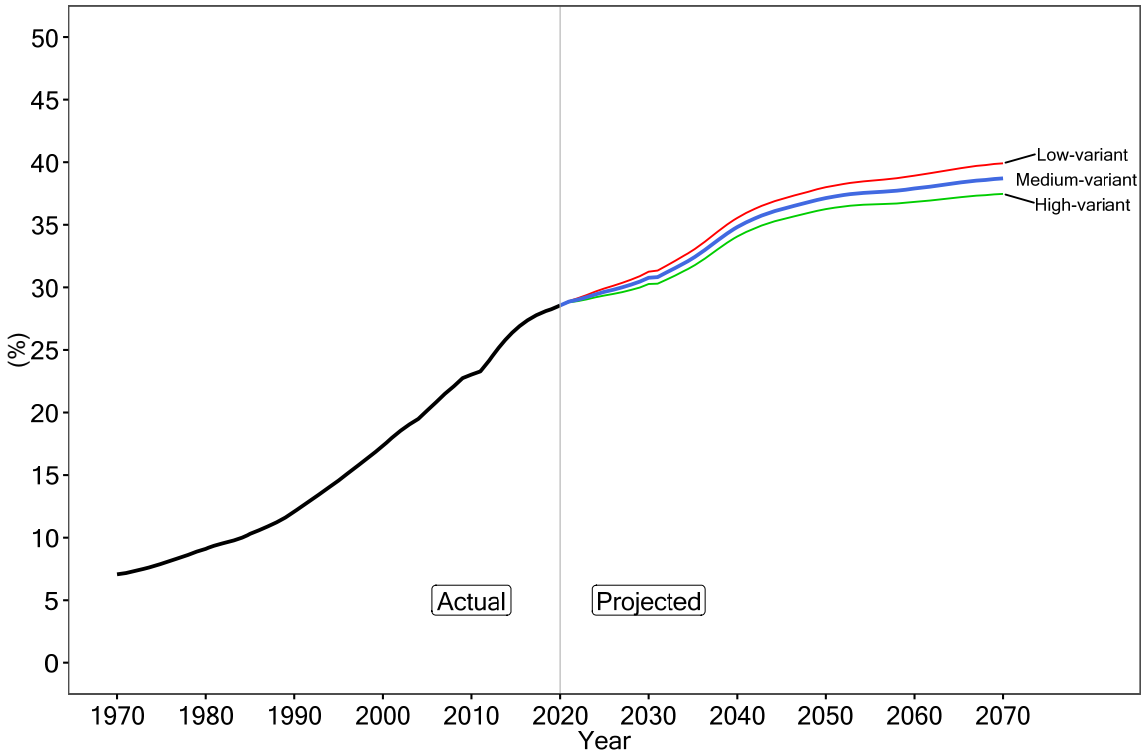


Figure 2-2 Trends in the proportion of the population aged 65 and over: Medium-fertility (medium-, high, and low-mortality) projections



≪Comparison of Projection Results with Different Assumptions≫

Table3-1 Total population: Medium-, high-, and low-fertility (medium-, high-, and low-mortality) projections

(thousands)

Year	Medium-mortality assumption			High-mortality assumption			Low-mortality assumption		
	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility
2020	126,146	126,146	126,146	126,146	126,146	126,146	126,146	126,146	126,146
2021	125,527	125,599	125,460	125,427	125,500	125,361	125,619	125,692	125,553
2022	124,978	125,143	124,827	124,745	124,910	124,594	125,196	125,361	125,045
2023	124,408	124,663	124,173	124,054	124,309	123,819	124,742	124,997	124,507
2024	123,844	124,194	123,521	123,378	123,728	123,055	124,285	124,636	123,962
2025	123,262	123,713	122,848	122,692	123,143	122,278	123,804	124,255	123,389
2026	122,661	123,216	122,150	121,995	122,550	121,484	123,297	123,853	122,786
2027	122,044	122,709	121,433	121,288	121,953	120,677	122,768	123,433	122,157
2028	121,414	122,193	120,698	120,575	121,355	119,860	122,220	123,000	121,504
2029	120,771	121,671	119,947	119,856	120,755	119,032	121,654	122,554	120,829
2030	120,116	121,140	119,180	119,129	120,153	118,194	121,070	122,095	120,133
2031	119,448	120,602	118,396	118,395	119,549	117,345	120,468	121,623	119,417
2032	118,766	120,054	117,597	117,653	118,941	116,484	119,849	121,137	118,679
2033	118,071	119,497	116,781	116,902	118,327	115,612	119,211	120,638	117,921
2034	117,362	118,929	115,950	116,140	117,706	114,728	118,556	120,124	117,143
2035	116,639	118,350	115,103	115,369	117,079	113,833	117,883	119,594	116,346
2036	115,902	117,759	114,242	114,587	116,443	112,928	117,192	119,050	115,531
2037	115,152	117,157	113,367	113,797	115,801	112,012	116,485	118,491	114,699
2038	114,391	116,545	112,480	112,998	115,150	111,088	115,763	117,918	113,852
2039	113,619	115,922	111,583	112,192	114,494	110,158	115,027	117,331	112,991
2040	112,837	115,290	110,678	111,380	113,831	109,222	114,278	116,732	112,117
2041	112,045	114,649	109,759	110,561	113,164	108,277	113,515	116,121	111,228
2042	111,243	114,001	108,830	109,735	112,492	107,324	112,739	115,499	110,325
2043	110,434	113,348	107,893	108,905	111,817	106,366	111,953	114,869	109,411
2044	109,620	112,691	106,949	108,073	111,142	105,404	111,159	114,232	108,487
2045	108,801	112,032	106,000	107,238	110,467	104,438	110,358	113,591	107,555
2046	107,981	111,373	105,047	106,404	109,794	103,472	109,553	112,948	106,618
2047	107,159	110,715	104,091	105,569	109,122	102,503	108,745	112,303	105,675
2048	106,336	110,058	103,133	104,733	108,454	101,533	107,934	111,660	104,730
2049	105,512	109,405	102,171	103,897	107,787	100,559	107,122	111,018	103,780
2050	104,686	108,753	101,207	103,059	107,123	99,582	106,309	110,379	102,827
2051	103,859	108,105	100,237	102,218	106,461	98,599	105,494	109,743	101,870
2052	103,029	107,458	99,262	101,373	105,799	97,609	104,677	109,110	100,908
2053	102,195	106,813	98,280	100,523	105,137	96,611	103,858	108,479	99,940
2054	101,355	106,167	97,289	99,665	104,473	95,602	103,035	107,850	98,966
2055	100,508	105,520	96,289	98,799	103,807	94,583	102,207	107,222	97,984
2056	99,654	104,871	95,278	97,924	103,136	93,551	101,372	106,593	96,992
2057	98,792	104,219	94,256	97,039	102,462	92,508	100,531	105,962	95,991
2058	97,920	103,563	93,221	96,145	101,783	91,451	99,681	105,328	94,979
2059	97,038	102,902	92,176	95,242	101,099	90,383	98,822	104,690	93,955
2060	96,148	102,236	91,118	94,329	100,412	89,305	97,954	104,047	92,921
2061	95,249	101,566	90,050	93,409	99,720	88,216	97,077	103,400	91,875
2062	94,342	100,891	88,973	92,483	99,026	87,120	96,191	102,747	90,818
2063	93,428	100,213	87,887	91,552	98,330	86,017	95,298	102,089	89,752
2064	92,509	99,533	86,796	90,618	97,635	84,911	94,396	101,427	88,678
2065	91,587	98,852	85,700	89,683	96,941	83,803	93,490	100,762	87,597
2066	90,663	98,171	84,602	88,750	96,250	82,696	92,578	100,094	86,511
2067	89,739	97,493	83,504	87,821	95,565	81,593	91,665	99,426	85,423
2068	88,819	96,818	82,409	86,898	94,887	80,495	90,751	98,758	84,334
2069	87,904	96,150	81,319	85,982	94,219	79,406	89,839	98,094	83,248
2070	86,996	95,490	80,237	85,077	93,561	78,327	88,932	97,435	82,165

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table3-2 Proportion of population aged 0-14 (total population): Medium-, high-, and low-fertility (medium-, high-, and low-mortality) projections

(%)

Year	Medium-mortality assumption			High-mortality assumption			Low-mortality assumption		
	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility
2020	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
2021	11.8	11.8	11.7	11.8	11.8	11.7	11.8	11.8	11.7
2022	11.6	11.7	11.5	11.6	11.8	11.5	11.6	11.7	11.5
2023	11.4	11.6	11.2	11.4	11.6	11.3	11.4	11.6	11.2
2024	11.2	11.5	11.0	11.3	11.5	11.0	11.2	11.4	11.0
2025	11.1	11.4	10.8	11.1	11.4	10.8	11.0	11.3	10.7
2026	10.9	11.3	10.5	10.9	11.3	10.6	10.8	11.2	10.5
2027	10.7	11.2	10.3	10.8	11.3	10.3	10.7	11.2	10.2
2028	10.6	11.2	10.1	10.7	11.2	10.1	10.5	11.1	10.0
2029	10.5	11.1	9.8	10.5	11.2	9.9	10.4	11.0	9.8
2030	10.3	11.1	9.6	10.4	11.2	9.7	10.2	11.0	9.5
2031	10.2	11.1	9.4	10.3	11.2	9.5	10.1	11.0	9.3
2032	10.1	11.1	9.2	10.2	11.2	9.3	10.0	11.0	9.2
2033	10.1	11.1	9.1	10.2	11.2	9.2	10.0	11.0	9.0
2034	10.0	11.2	8.9	10.1	11.3	9.0	9.9	11.1	8.8
2035	10.0	11.3	8.8	10.1	11.4	8.9	9.9	11.2	8.7
2036	10.0	11.4	8.8	10.1	11.5	8.9	9.9	11.3	8.7
2037	10.0	11.4	8.7	10.1	11.6	8.8	9.9	11.3	8.7
2038	10.1	11.5	8.8	10.2	11.6	8.9	10.0	11.4	8.7
2039	10.1	11.6	8.7	10.2	11.7	8.9	10.0	11.4	8.6
2040	10.1	11.6	8.7	10.2	11.8	8.9	10.0	11.5	8.6
2041	10.1	11.7	8.7	10.3	11.8	8.8	10.0	11.6	8.6
2042	10.2	11.7	8.7	10.3	11.9	8.8	10.0	11.6	8.6
2043	10.2	11.8	8.7	10.3	11.9	8.8	10.0	11.6	8.6
2044	10.1	11.8	8.7	10.3	11.9	8.8	10.0	11.6	8.6
2045	10.1	11.8	8.7	10.3	11.9	8.8	10.0	11.6	8.5
2046	10.1	11.8	8.6	10.3	11.9	8.8	10.0	11.6	8.5
2047	10.1	11.8	8.6	10.2	11.9	8.7	9.9	11.6	8.5
2048	10.0	11.7	8.5	10.2	11.9	8.7	9.9	11.6	8.4
2049	10.0	11.7	8.5	10.1	11.9	8.6	9.8	11.5	8.4
2050	9.9	11.7	8.4	10.1	11.8	8.6	9.8	11.5	8.3
2051	9.9	11.6	8.4	10.0	11.8	8.5	9.7	11.4	8.2
2052	9.8	11.6	8.3	10.0	11.7	8.4	9.7	11.4	8.2
2053	9.8	11.5	8.2	9.9	11.7	8.4	9.6	11.3	8.1
2054	9.7	11.5	8.1	9.8	11.6	8.3	9.5	11.3	8.0
2055	9.6	11.4	8.1	9.8	11.6	8.2	9.5	11.2	7.9
2056	9.5	11.4	8.0	9.7	11.6	8.1	9.4	11.2	7.8
2057	9.5	11.3	7.9	9.6	11.5	8.0	9.3	11.2	7.7
2058	9.4	11.3	7.8	9.6	11.5	7.9	9.2	11.1	7.6
2059	9.3	11.3	7.7	9.5	11.5	7.8	9.2	11.1	7.5
2060	9.3	11.3	7.6	9.5	11.5	7.7	9.1	11.1	7.4
2061	9.2	11.3	7.5	9.4	11.5	7.7	9.1	11.1	7.4
2062	9.2	11.3	7.4	9.4	11.5	7.6	9.0	11.1	7.3
2063	9.2	11.3	7.3	9.3	11.5	7.5	9.0	11.1	7.2
2064	9.1	11.4	7.3	9.3	11.6	7.4	9.0	11.2	7.1
2065	9.1	11.4	7.2	9.3	11.6	7.4	8.9	11.2	7.1
2066	9.1	11.5	7.2	9.3	11.7	7.3	8.9	11.2	7.0
2067	9.1	11.5	7.1	9.3	11.7	7.3	8.9	11.3	7.0
2068	9.1	11.6	7.1	9.3	11.8	7.3	8.9	11.3	7.0
2069	9.1	11.6	7.1	9.3	11.8	7.3	9.0	11.4	6.9
2070	9.2	11.7	7.1	9.4	11.9	7.3	9.0	11.5	6.9

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table3-3 Proportion of population aged 15-64 (total population): Medium-, high-, and low-fertility (medium-, high-, and low-mortality)

(%)

Year	Medium-mortality assumption			High-mortality assumption			Low-mortality assumption		
	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility
2020	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2021	59.4	59.3	59.4	59.4	59.4	59.4	59.3	59.3	59.4
2022	59.4	59.3	59.4	59.5	59.4	59.5	59.3	59.2	59.4
2023	59.4	59.2	59.5	59.5	59.4	59.6	59.2	59.1	59.3
2024	59.3	59.2	59.5	59.5	59.3	59.7	59.1	59.0	59.3
2025	59.3	59.1	59.5	59.5	59.3	59.7	59.1	58.9	59.3
2026	59.3	59.0	59.6	59.6	59.3	59.8	59.0	58.8	59.3
2027	59.3	58.9	59.6	59.6	59.3	59.9	59.0	58.7	59.3
2028	59.2	58.8	59.6	59.6	59.2	59.9	58.9	58.5	59.2
2029	59.1	58.7	59.5	59.5	59.0	59.9	58.7	58.3	59.1
2030	58.9	58.4	59.4	59.3	58.8	59.8	58.5	58.0	59.0
2031	59.0	58.4	59.5	59.4	58.8	59.9	58.5	58.0	59.1
2032	58.7	58.1	59.3	59.2	58.5	59.8	58.2	57.6	58.8
2033	58.4	57.7	59.0	58.9	58.2	59.6	57.9	57.2	58.5
2034	58.0	57.3	58.7	58.6	57.8	59.3	57.5	56.8	58.2
2035	57.6	56.8	58.4	58.2	57.3	59.0	57.1	56.3	57.9
2036	57.2	56.3	57.9	57.7	56.9	58.5	56.6	55.8	57.4
2037	56.6	55.8	57.4	57.2	56.4	58.0	56.1	55.3	56.8
2038	56.1	55.2	56.8	56.7	55.8	57.4	55.5	54.7	56.2
2039	55.5	54.7	56.2	56.1	55.3	56.9	54.9	54.1	55.6
2040	55.1	54.3	55.8	55.7	54.9	56.4	54.5	53.7	55.1
2041	54.7	53.9	55.3	55.3	54.5	56.0	54.0	53.3	54.7
2042	54.3	53.6	55.0	55.0	54.2	55.7	53.7	53.0	54.3
2043	54.1	53.4	54.7	54.7	54.0	55.3	53.4	52.7	54.0
2044	53.8	53.2	54.4	54.5	53.8	55.1	53.2	52.5	53.7
2045	53.6	53.0	54.1	54.3	53.6	54.8	52.9	52.4	53.4
2046	53.5	52.9	53.9	54.1	53.6	54.6	52.8	52.2	53.2
2047	53.3	52.8	53.7	54.0	53.5	54.4	52.6	52.1	53.0
2048	53.2	52.7	53.5	53.9	53.4	54.2	52.5	52.0	52.8
2049	53.0	52.6	53.3	53.7	53.3	54.1	52.3	52.0	52.6
2050	52.9	52.6	53.1	53.7	53.3	53.9	52.2	51.9	52.4
2051	52.9	52.6	53.0	53.6	53.3	53.8	52.1	51.9	52.3
2052	52.8	52.6	52.9	53.6	53.3	53.7	52.1	51.9	52.1
2053	52.8	52.6	52.8	53.6	53.4	53.6	52.0	51.9	52.0
2054	52.8	52.7	52.8	53.6	53.4	53.6	52.0	52.0	52.0
2055	52.8	52.8	52.7	53.6	53.5	53.5	52.0	52.0	51.9
2056	52.8	52.9	52.7	53.7	53.6	53.5	52.0	52.1	51.9
2057	52.9	52.9	52.6	53.7	53.7	53.5	52.0	52.2	51.8
2058	52.9	53.0	52.6	53.7	53.8	53.5	52.0	52.2	51.7
2059	52.9	53.0	52.5	53.7	53.9	53.4	52.0	52.2	51.6
2060	52.8	53.1	52.4	53.7	53.9	53.4	51.9	52.2	51.5
2061	52.8	53.1	52.3	53.7	53.9	53.3	51.9	52.2	51.4
2062	52.7	53.1	52.2	53.7	54.0	53.2	51.8	52.2	51.3
2063	52.7	53.1	52.1	53.6	54.0	53.1	51.7	52.2	51.1
2064	52.6	53.1	51.9	53.6	54.0	53.0	51.7	52.2	50.9
2065	52.5	53.0	51.8	53.5	54.0	52.8	51.5	52.1	50.8
2066	52.4	53.0	51.6	53.4	54.0	52.7	51.5	52.1	50.6
2067	52.3	53.0	51.4	53.4	54.0	52.5	51.4	52.1	50.4
2068	52.3	53.0	51.3	53.3	54.0	52.4	51.3	52.1	50.2
2069	52.2	53.0	51.1	53.2	54.0	52.2	51.2	52.1	50.0
2070	52.1	53.1	50.9	53.2	54.0	52.0	51.1	52.1	49.9

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Table3-4 Proportion of population aged 65 and over (total population): Medium-, high-, and low-fertility (medium-, high-, and low-mortality) projections

(%)

Year	Medium-mortality assumption			High-mortality assumption			Low-mortality assumption		
	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility
2020	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2021	28.9	28.8	28.9	28.8	28.8	28.8	28.9	28.9	28.9
2022	29.0	29.0	29.1	28.9	28.9	28.9	29.1	29.1	29.2
2023	29.2	29.2	29.3	29.0	29.0	29.1	29.4	29.3	29.4
2024	29.4	29.4	29.5	29.2	29.1	29.3	29.7	29.6	29.7
2025	29.6	29.5	29.7	29.4	29.2	29.4	29.9	29.8	30.0
2026	29.8	29.7	29.9	29.5	29.3	29.6	30.1	30.0	30.3
2027	30.0	29.8	30.1	29.6	29.5	29.8	30.4	30.2	30.5
2028	30.2	30.0	30.4	29.8	29.6	30.0	30.6	30.4	30.8
2029	30.5	30.2	30.7	30.0	29.8	30.2	30.9	30.7	31.1
2030	30.8	30.5	31.0	30.3	30.0	30.5	31.3	31.0	31.5
2031	30.8	30.5	31.1	30.3	30.0	30.6	31.3	31.0	31.6
2032	31.2	30.8	31.5	30.6	30.3	30.9	31.7	31.4	32.0
2033	31.5	31.2	31.9	30.9	30.6	31.3	32.1	31.7	32.5
2034	31.9	31.5	32.3	31.3	30.9	31.7	32.5	32.1	32.9
2035	32.3	31.9	32.8	31.7	31.2	32.1	33.0	32.5	33.4
2036	32.8	32.3	33.3	32.1	31.6	32.6	33.5	32.9	33.9
2037	33.3	32.8	33.8	32.6	32.1	33.1	34.0	33.4	34.5
2038	33.9	33.2	34.4	33.1	32.5	33.7	34.6	33.9	35.1
2039	34.4	33.7	35.0	33.6	33.0	34.3	35.1	34.4	35.7
2040	34.8	34.1	35.5	34.1	33.3	34.7	35.5	34.8	36.2
2041	35.2	34.4	35.9	34.4	33.6	35.2	35.9	35.1	36.7
2042	35.5	34.6	36.3	34.7	33.9	35.5	36.3	35.4	37.1
2043	35.8	34.9	36.6	35.0	34.1	35.8	36.6	35.6	37.4
2044	36.0	35.1	36.9	35.2	34.3	36.1	36.8	35.8	37.7
2045	36.3	35.2	37.2	35.4	34.4	36.4	37.1	36.0	38.0
2046	36.4	35.3	37.5	35.6	34.5	36.6	37.3	36.1	38.3
2047	36.6	35.4	37.7	35.8	34.6	36.8	37.4	36.3	38.5
2048	36.8	35.6	37.9	35.9	34.7	37.1	37.6	36.4	38.8
2049	37.0	35.7	38.2	36.1	34.8	37.3	37.8	36.5	39.1
2050	37.1	35.7	38.4	36.3	34.9	37.5	38.0	36.6	39.3
2051	37.3	35.8	38.6	36.4	34.9	37.7	38.1	36.7	39.5
2052	37.4	35.8	38.8	36.5	34.9	37.9	38.3	36.7	39.7
2053	37.5	35.8	39.0	36.5	34.9	38.0	38.4	36.7	39.9
2054	37.5	35.8	39.1	36.6	34.9	38.1	38.5	36.7	40.0
2055	37.6	35.8	39.2	36.6	34.9	38.3	38.5	36.7	40.2
2056	37.6	35.8	39.4	36.6	34.8	38.4	38.6	36.7	40.3
2057	37.7	35.7	39.5	36.7	34.7	38.5	38.6	36.7	40.5
2058	37.7	35.7	39.6	36.7	34.7	38.6	38.7	36.6	40.6
2059	37.8	35.7	39.8	36.8	34.6	38.7	38.8	36.6	40.8
2060	37.9	35.6	40.0	36.8	34.6	38.9	38.9	36.7	41.0
2061	38.0	35.6	40.2	36.9	34.6	39.1	39.0	36.7	41.2
2062	38.1	35.6	40.4	37.0	34.5	39.2	39.1	36.7	41.5
2063	38.2	35.6	40.6	37.0	34.5	39.4	39.3	36.7	41.7
2064	38.3	35.6	40.8	37.1	34.4	39.6	39.4	36.6	41.9
2065	38.4	35.5	41.0	37.2	34.4	39.8	39.5	36.6	42.2
2066	38.5	35.5	41.2	37.3	34.4	40.0	39.6	36.6	42.4
2067	38.5	35.5	41.4	37.3	34.3	40.2	39.7	36.6	42.6
2068	38.6	35.4	41.6	37.4	34.2	40.3	39.8	36.6	42.8
2069	38.7	35.3	41.8	37.4	34.2	40.5	39.9	36.5	43.0
2070	38.7	35.3	42.0	37.5	34.1	40.7	39.9	36.4	43.2

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

≪Assumptions≫

Table 4-1 Trends of the total fertility rate: Medium-, high-, and low-fertility (medium-mortality) projections

Year	Medium	High	Low
2020	1.3298	1.3298	1.3298
2021	1.3048	1.4556	1.1665
2022	1.2480	1.3936	1.1136
2023	1.2251	1.3721	1.0891
2024	1.2681	1.4276	1.1206
2025	1.2713	1.4391	1.1165
2026	1.2759	1.4526	1.1137
2027	1.2859	1.4721	1.1158
2028	1.2973	1.4932	1.1193
2029	1.3069	1.5123	1.1216
2030	1.3152	1.5300	1.1228
2031	1.3223	1.5461	1.1233
2032	1.3277	1.5602	1.1227
2033	1.3307	1.5710	1.1205
2034	1.3326	1.5801	1.1181
2035	1.3336	1.5873	1.1154
2036	1.3339	1.5928	1.1127
2037	1.3338	1.5970	1.1103
2038	1.3338	1.6005	1.1085
2039	1.3338	1.6033	1.1073
2040	1.3341	1.6056	1.1067
2041	1.3347	1.6077	1.1067
2042	1.3354	1.6095	1.1070
2043	1.3364	1.6113	1.1076
2044	1.3375	1.6130	1.1085
2045	1.3388	1.6145	1.1097
2046	1.3401	1.6161	1.1110
2047	1.3415	1.6174	1.1124
2048	1.3429	1.6187	1.1140
2049	1.3442	1.6197	1.1155
2050	1.3453	1.6206	1.1169
2051	1.3464	1.6215	1.1181
2052	1.3473	1.6222	1.1190
2053	1.3479	1.6228	1.1198
2054	1.3485	1.6234	1.1203
2055	1.3490	1.6239	1.1207
2056	1.3493	1.6242	1.1211
2057	1.3497	1.6247	1.1213
2058	1.3500	1.6252	1.1214
2059	1.3503	1.6257	1.1215
2060	1.3506	1.6263	1.1216
2061	1.3510	1.6270	1.1218
2062	1.3515	1.6278	1.1220
2063	1.3520	1.6287	1.1222
2064	1.3526	1.6297	1.1226
2065	1.3533	1.6307	1.1230
2066	1.3541	1.6318	1.1235
2067	1.3549	1.6329	1.1241
2068	1.3557	1.6340	1.1247
2069	1.3565	1.6351	1.1253
2070	1.3573	1.6362	1.1259

Total fertility rate based on the same definition as the Vital Statistics. Figures for 2020 are actual values. Subsequent figures are based on medium-mortality projections. For the total fertility rate regarding the number of births to Japanese women (excluding births with Japanese nationality born to non-Japanese women), see Japanese Population Projections Table 3.

Table 4-2 Trends of life expectancy at birth

(Years)

Year	Medium mortality			High mortality			Low mortality		
	Male	Female	Sex difference	Male	Female	Sex difference	Male	Female	Sex difference
2020	81.58	87.72	6.14	81.58	87.72	6.14	81.58	87.72	6.14
2021	81.48	87.58	6.10	80.58	86.66	6.08	82.38	88.50	6.12
2022	81.27	87.34	6.07	80.36	86.41	6.05	82.16	88.26	6.10
2023	81.75	87.82	6.07	80.85	86.90	6.05	82.65	88.73	6.08
2024	81.88	87.94	6.07	80.97	87.02	6.05	82.77	88.86	6.08
2025	81.99	88.06	6.06	81.08	87.13	6.05	82.90	88.98	6.08
2026	82.11	88.17	6.06	81.20	87.24	6.05	83.02	89.10	6.08
2027	82.23	88.29	6.06	81.31	87.35	6.05	83.14	89.22	6.08
2028	82.34	88.40	6.06	81.42	87.46	6.04	83.25	89.33	6.08
2029	82.45	88.51	6.06	81.52	87.57	6.04	83.37	89.45	6.08
2030	82.56	88.62	6.06	81.63	87.67	6.04	83.49	89.56	6.08
2031	82.67	88.73	6.06	81.73	87.77	6.04	83.60	89.68	6.08
2032	82.78	88.83	6.06	81.83	87.87	6.04	83.71	89.79	6.08
2033	82.88	88.94	6.06	81.93	87.97	6.04	83.82	89.90	6.07
2034	82.98	89.04	6.06	82.03	88.07	6.04	83.93	90.01	6.07
2035	83.09	89.14	6.06	82.12	88.16	6.04	84.04	90.11	6.07
2036	83.19	89.24	6.06	82.22	88.26	6.04	84.15	90.22	6.07
2037	83.29	89.34	6.05	82.31	88.35	6.04	84.25	90.33	6.07
2038	83.38	89.44	6.05	82.40	88.44	6.04	84.36	90.43	6.07
2039	83.48	89.53	6.05	82.49	88.52	6.04	84.46	90.53	6.07
2040	83.57	89.63	6.05	82.57	88.61	6.04	84.57	90.64	6.07
2041	83.67	89.72	6.05	82.66	88.70	6.04	84.67	90.74	6.07
2042	83.76	89.81	6.05	82.74	88.78	6.04	84.77	90.84	6.07
2043	83.85	89.90	6.05	82.82	88.86	6.04	84.87	90.93	6.07
2044	83.94	89.99	6.05	82.90	88.94	6.04	84.97	91.03	6.07
2045	84.03	90.08	6.05	82.98	89.02	6.04	85.06	91.13	6.06
2046	84.12	90.17	6.05	83.06	89.10	6.04	85.16	91.23	6.06
2047	84.20	90.25	6.05	83.14	89.17	6.04	85.26	91.32	6.06
2048	84.29	90.34	6.05	83.21	89.25	6.04	85.35	91.41	6.06
2049	84.37	90.42	6.05	83.28	89.32	6.04	85.44	91.51	6.06
2050	84.45	90.50	6.05	83.36	89.39	6.04	85.54	91.60	6.06
2051	84.53	90.58	6.05	83.43	89.46	6.04	85.63	91.69	6.06
2052	84.61	90.66	6.05	83.50	89.53	6.04	85.72	91.78	6.06
2053	84.69	90.74	6.05	83.56	89.60	6.04	85.81	91.87	6.06
2054	84.77	90.82	6.05	83.63	89.67	6.04	85.90	91.96	6.06
2055	84.85	90.89	6.05	83.70	89.73	6.03	85.99	92.05	6.06
2056	84.92	90.97	6.05	83.76	89.80	6.03	86.08	92.13	6.06
2057	85.00	91.05	6.05	83.82	89.86	6.03	86.16	92.22	6.06
2058	85.07	91.12	6.05	83.89	89.92	6.03	86.25	92.30	6.06
2059	85.15	91.19	6.05	83.95	89.98	6.03	86.33	92.39	6.06
2060	85.22	91.26	6.05	84.01	90.04	6.03	86.42	92.47	6.05
2061	85.29	91.34	6.04	84.07	90.10	6.03	86.50	92.55	6.05
2062	85.36	91.41	6.04	84.13	90.16	6.03	86.58	92.64	6.05
2063	85.43	91.47	6.04	84.18	90.22	6.03	86.66	92.72	6.05
2064	85.50	91.54	6.04	84.24	90.27	6.03	86.75	92.80	6.05
2065	85.57	91.61	6.04	84.29	90.33	6.03	86.83	92.88	6.05
2066	85.63	91.68	6.04	84.35	90.38	6.03	86.91	92.96	6.05
2067	85.70	91.74	6.04	84.40	90.44	6.03	86.98	93.03	6.05
2068	85.77	91.81	6.04	84.46	90.49	6.03	87.06	93.11	6.05
2069	85.83	91.87	6.04	84.51	90.54	6.03	87.14	93.19	6.05
2070	85.89	91.94	6.04	84.56	90.59	6.03	87.22	93.27	6.05

Figures for 2020 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	-0.00002	-0.00005	55	0.00013	0.00006
1	-0.00032	-0.00032	56	0.00013	0.00005
2	-0.00041	-0.00037	57	0.00014	0.00004
3	-0.00031	-0.00026	58	0.00015	0.00003
4	-0.00014	-0.00011	59	0.00012	0.00002
5	-0.00001	-0.00001	60	0.00009	0.00001
6	0.00003	0.00001	61	0.00007	0.00000
7	0.00009	0.00007	62	0.00008	0.00000
8	0.00016	0.00014	63	0.00010	0.00001
9	0.00024	0.00022	64	0.00013	0.00002
10	0.00034	0.00031	65	0.00014	0.00002
11	0.00040	0.00038	66	0.00012	0.00001
12	0.00043	0.00045	67	0.00010	0.00000
13	0.00041	0.00042	68	0.00009	0.00000
14	0.00032	0.00019	69	0.00009	0.00001
15	0.00026	0.00004	70	0.00009	0.00001
16	0.00019	0.00003	71	0.00008	0.00001
17	-0.00007	-0.00036	72	0.00008	0.00001
18	-0.00071	-0.00140	73	0.00007	0.00001
19	-0.00136	-0.00225	74	0.00007	0.00001
20	-0.00153	-0.00212	75	0.00006	0.00001
21	-0.00101	-0.00097	76	0.00006	0.00001
22	-0.00010	0.00047	77	0.00004	0.00001
23	0.00058	0.00109	78	0.00004	0.00001
24	0.00060	0.00046	79	0.00003	0.00000
25	0.00017	-0.00056	80	0.00003	0.00000
26	-0.00028	-0.00103	81	0.00002	0.00000
27	-0.00046	-0.00094	82	0.00002	0.00000
28	-0.00049	-0.00078	83	0.00001	0.00000
29	-0.00042	-0.00063	84	0.00001	0.00000
30	-0.00030	-0.00047	85	0.00000	0.00000
31	-0.00017	-0.00028	86	0.00000	0.00000
32	-0.00009	-0.00011	87	0.00000	0.00000
33	-0.00006	-0.00004	88	0.00001	0.00001
34	-0.00006	-0.00006	89	0.00002	0.00000
35	-0.00007	-0.00012	90	0.00000	0.00000
36	-0.00005	-0.00014	91	0.00000	0.00000
37	0.00002	-0.00006	92	0.00000	0.00000
38	0.00008	0.00003	93	0.00000	0.00000
39	0.00014	0.00009	94	0.00000	0.00000
40	0.00017	0.00015	95	0.00000	0.00000
41	0.00018	0.00020	96	0.00000	0.00000
42	0.00017	0.00024	97	0.00000	0.00000
43	0.00018	0.00026	98	0.00000	0.00000
44	0.00021	0.00028	99	0.00000	0.00000
45	0.00024	0.00028	100	0.00000	0.00000
46	0.00025	0.00025	101	0.00000	0.00000
47	0.00025	0.00023	102	0.00000	0.00000
48	0.00024	0.00020	103	0.00000	0.00000
49	0.00023	0.00016	104	0.00000	0.00000
50	0.00022	0.00013	105+	0.00000	0.00000
51	0.00021	0.00010			
52	0.00018	0.00009			
53	0.00015	0.00007			
54	0.00014	0.00007			

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

Table 4-4 Number of net migrants of non-Japanese origin by sex

Year	Male	Female	Year	Male	Female	Year	Male	Female
2021	-15,884	-12,597	2028	81,570	82,221	2035	81,570	82,221
2022	81,570	82,221	2029	81,570	82,221	2036	81,570	82,221
2023	81,570	82,221	2030	81,570	82,221	2037	81,570	82,221
2024	81,570	82,221	2031	81,570	82,221	2038	81,570	82,221
2025	81,570	82,221	2032	81,570	82,221	2039	81,570	82,221
2026	81,570	82,221	2033	81,570	82,221	2040	81,570	82,221
2027	81,570	82,221	2034	81,570	82,221			

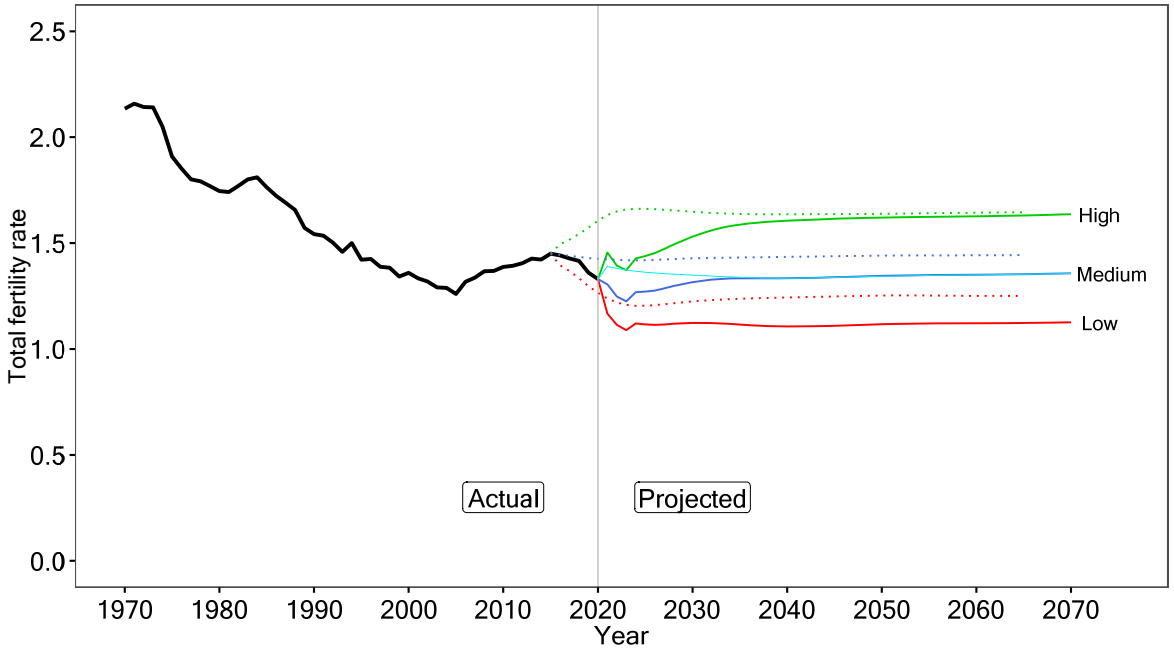
The number of net migrants is for non-Japanese people, excluding those who stayed in Japan for 90 days or less. It is the number of immigrants minus that of emigrants from October of the previous year to September of the current year. For the year 2021, an assumed value based on actual figures was extrapolated.

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

Age at the year end	Male	Female	Age at the year end	Male	Female
0	0.00123	0.00131	55	-0.00166	-0.00139
1	0.00382	0.00465	56	-0.00159	-0.00132
2	0.00479	0.00598	57	-0.00174	-0.00136
3	0.00432	0.00540	58	-0.00195	-0.00152
4	0.00315	0.00399	59	-0.00203	-0.00165
5	0.00231	0.00300	60	-0.00192	-0.00173
6	0.00229	0.00311	61	-0.00163	-0.00166
7	0.00263	0.00363	62	-0.00138	-0.00149
8	0.00309	0.00410	63	-0.00126	-0.00127
9	0.00350	0.00429	64	-0.00122	-0.00114
10	0.00368	0.00420	65	-0.00117	-0.00104
11	0.00355	0.00396	66	-0.00100	-0.00092
12	0.00336	0.00390	67	-0.00081	-0.00078
13	0.00386	0.00454	68	-0.00067	-0.00065
14	0.00411	0.00379	69	-0.00058	-0.00054
15	0.00388	0.00352	70	-0.00046	-0.00050
16	0.01070	0.01345	71	-0.00026	-0.00044
17	0.03031	0.04063	72	-0.00006	-0.00039
18	0.05711	0.07797	73	0.00002	-0.00032
19	0.08192	0.10913	74	-0.00001	-0.00025
20	0.09858	0.12097	75	-0.00009	-0.00022
21	0.10518	0.11147	76	-0.00012	-0.00020
22	0.10415	0.09052	77	-0.00010	-0.00016
23	0.09871	0.07130	78	-0.00007	-0.00010
24	0.08781	0.05715	79	-0.00003	-0.00005
25	0.07040	0.04574	80	-0.00001	-0.00004
26	0.05349	0.03681	81	-0.00001	-0.00005
27	0.04249	0.03116	82	-0.00001	-0.00009
28	0.03525	0.02695	83	-0.00002	-0.00010
29	0.02907	0.02231	84	-0.00002	-0.00008
30	0.02331	0.01749	85	-0.00001	-0.00005
31	0.01814	0.01345	86	-0.00001	-0.00003
32	0.01415	0.01053	87	-0.00002	-0.00002
33	0.01100	0.00865	88	-0.00003	-0.00002
34	0.00772	0.00719	89	-0.00001	-0.00002
35	0.00428	0.00585	90	0.00000	0.00000
36	0.00142	0.00479	91	0.00000	0.00000
37	-0.00019	0.00442	92	0.00000	0.00000
38	-0.00053	0.00476	93	0.00000	0.00000
39	-0.00041	0.00510	94	0.00000	0.00000
40	-0.00039	0.00505	95	0.00000	0.00000
41	-0.00059	0.00466	96	0.00000	0.00000
42	-0.00066	0.00406	97	0.00000	0.00000
43	-0.00053	0.00343	98	0.00000	0.00000
44	-0.00048	0.00280	99	0.00000	0.00000
45	-0.00058	0.00215	100	0.00000	0.00000
46	-0.00086	0.00150	101	0.00000	0.00000
47	-0.00107	0.00093	102	0.00000	0.00000
48	-0.00105	0.00045	103	0.00000	0.00000
49	-0.00100	0.00009	104	0.00000	0.00000
50	-0.00118	-0.00022	105+	0.00000	0.00000
51	-0.00154	-0.00062			
52	-0.00188	-0.00105			
53	-0.00199	-0.00136			
54	-0.00187	-0.00146			

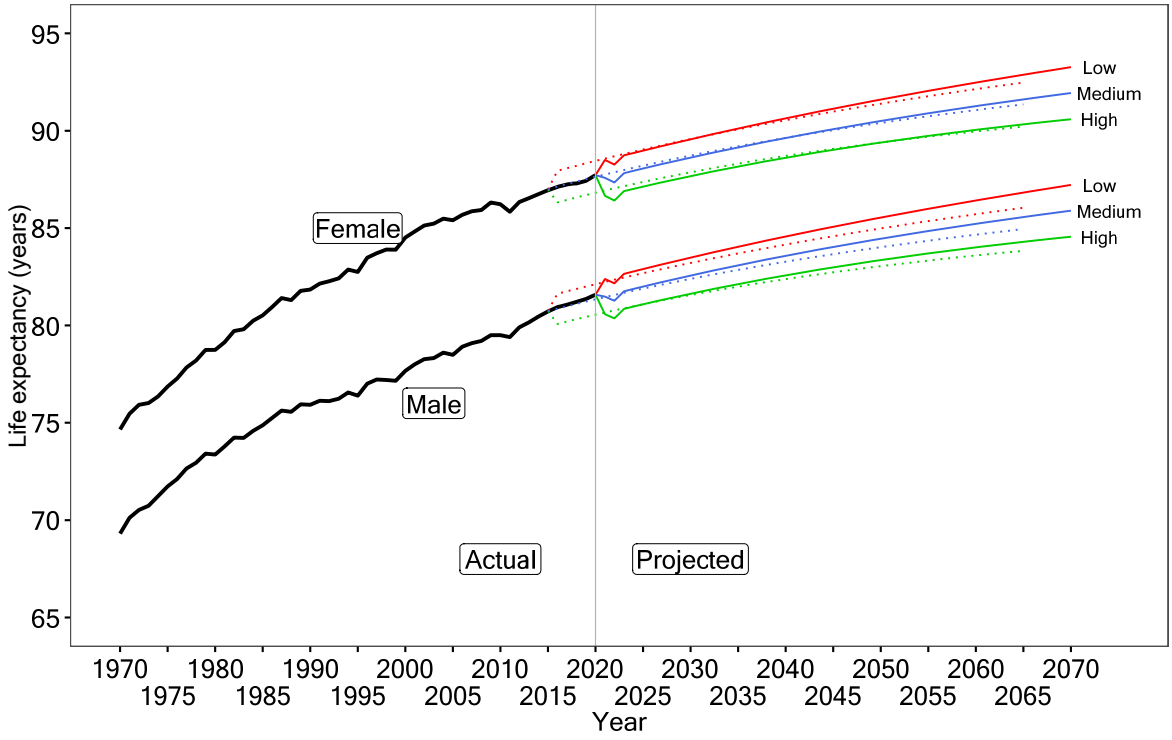
Age distributions assuming the total net migrants of non-Japanese origin as 1 for each sex respectively.

Figure 4-1 Trends of the total fertility rate: Medium-, high-, and low-fertility (medium-mortality) projections



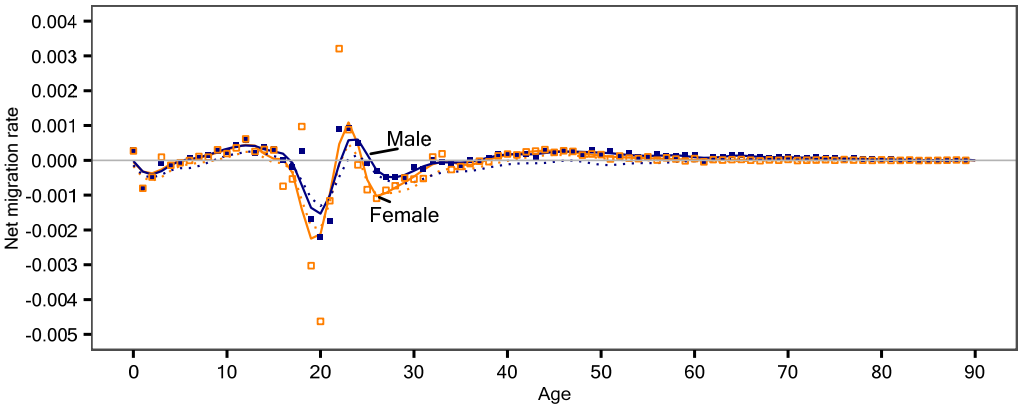
Previous projections are shown in broken lines. Total fertility rates based on the same definition as the Vital Statistics. The thin line, which overlaps the 'Medium' in the long-run, is based on model values that do not take into account the effects of the decline in first marriages and births from 2020 to 2022, which was affected by the outbreak of COVID-19.

Figure 4-2 Trends of life expectancy at birth: Medium-, high-, and low-fertility (medium-mortality) projections



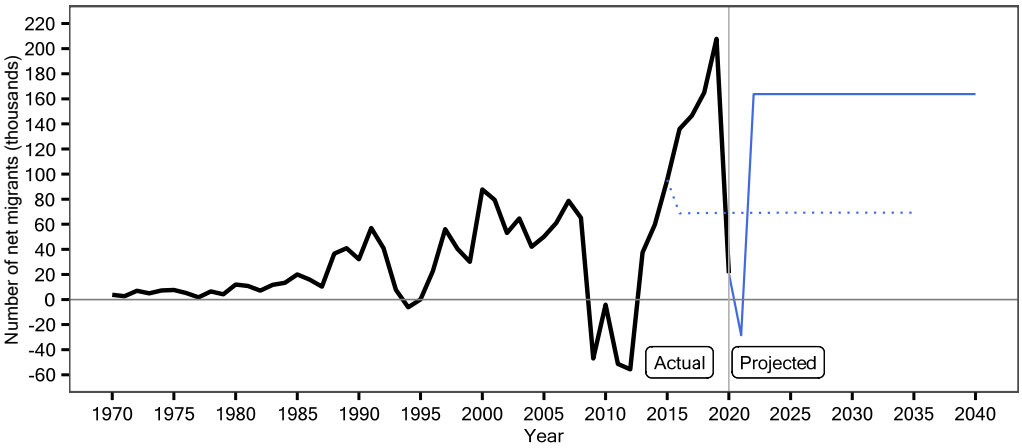
Previous projections are shown in broken lines.

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



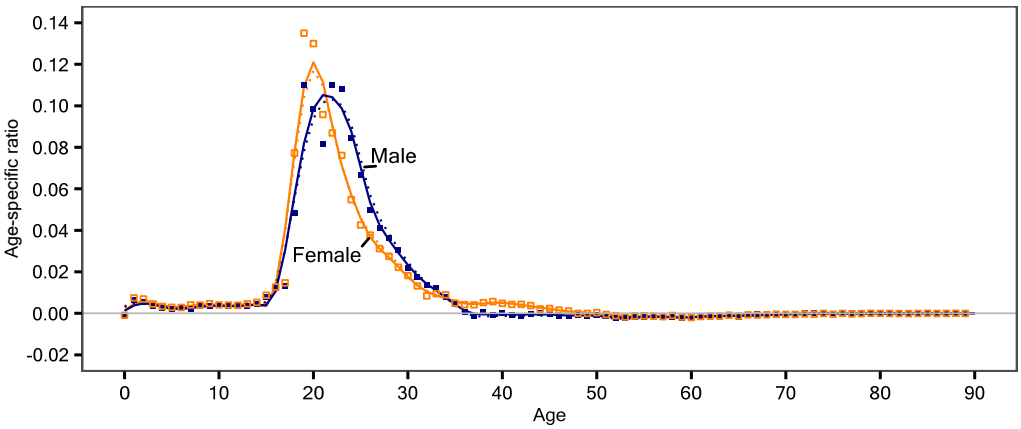
Previous projections are shown in broken lines. The mean values of the sex- and age-specific rates of net migrants of Japanese for the period 2015 to 2019 are shown in dots (using the values for three years, excluding the maximum and minimum data for each age). The latest projections, which smoothed the mean values to exclude random fluctuations, are shown in solid lines.

Figure 4-4 Number of net migrants of non-Japanese origin (both sexes)



Previous projections are shown in broken lines. The proportion of men among net migrants of non-Japanese origir 49.8%

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



Previous projections are shown in broken lines. The mean values of the age-specific ratio for the period 1986 to 2019, excluding temporary fluctuations, are shown in dots. The latest projections, which smoothed the mean values to exclude random fluctuations, are shown in solid lines.

≪Long-range Auxiliary Projections≫

Supplement Table 1 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2071	86,090	7,910	44,811	33,369	9.2	52.1	38.8
2072	85,187	7,847	44,255	33,085	9.2	52.0	38.8
2073	84,289	7,783	43,685	32,820	9.2	51.8	38.9
2074	83,398	7,718	43,128	32,553	9.3	51.7	39.0
2075	82,517	7,651	42,569	32,297	9.3	51.6	39.1
2076	81,646	7,581	42,013	32,053	9.3	51.5	39.3
2077	80,786	7,507	41,475	31,804	9.3	51.3	39.4
2078	79,937	7,430	40,936	31,570	9.3	51.2	39.5
2079	79,099	7,350	40,417	31,332	9.3	51.1	39.6
2080	78,270	7,266	39,890	31,114	9.3	51.0	39.8
2081	77,451	7,178	39,385	30,888	9.3	50.9	39.9
2082	76,640	7,088	38,914	30,638	9.2	50.8	40.0
2083	75,836	6,995	38,463	30,378	9.2	50.7	40.1
2084	75,038	6,901	38,051	30,087	9.2	50.7	40.1
2085	74,246	6,805	37,669	29,772	9.2	50.7	40.1
2086	73,459	6,709	37,281	29,468	9.1	50.8	40.1
2087	72,675	6,613	36,931	29,131	9.1	50.8	40.1
2088	71,895	6,518	36,606	28,771	9.1	50.9	40.0
2089	71,118	6,425	36,266	28,427	9.0	51.0	40.0
2090	70,343	6,333	35,919	28,091	9.0	51.1	39.9
2091	69,571	6,244	35,569	27,759	9.0	51.1	39.9
2092	68,802	6,158	35,211	27,433	8.9	51.2	39.9
2093	68,035	6,075	34,844	27,116	8.9	51.2	39.9
2094	67,272	5,995	34,469	26,808	8.9	51.2	39.9
2095	66,511	5,919	34,085	26,507	8.9	51.2	39.9
2096	65,755	5,847	33,695	26,213	8.9	51.2	39.9
2097	65,003	5,778	33,300	25,925	8.9	51.2	39.9
2098	64,256	5,712	32,902	25,642	8.9	51.2	39.9
2099	63,514	5,650	32,502	25,362	8.9	51.2	39.9
2100	62,779	5,590	32,102	25,087	8.9	51.1	40.0
2101	62,049	5,533	31,703	24,814	8.9	51.1	40.0
2102	61,326	5,477	31,305	24,544	8.9	51.0	40.0
2103	60,610	5,423	30,909	24,278	8.9	51.0	40.1
2104	59,901	5,370	30,517	24,014	9.0	50.9	40.1
2105	59,200	5,317	30,129	23,754	9.0	50.9	40.1
2106	58,506	5,264	29,746	23,497	9.0	50.8	40.2
2107	57,821	5,211	29,367	23,242	9.0	50.8	40.2
2108	57,144	5,158	28,995	22,991	9.0	50.7	40.2
2109	56,476	5,103	28,629	22,743	9.0	50.7	40.3
2110	55,817	5,048	28,271	22,498	9.0	50.7	40.3
2111	55,167	4,991	27,921	22,255	9.0	50.6	40.3
2112	54,527	4,934	27,580	22,013	9.0	50.6	40.4
2113	53,897	4,875	27,249	21,773	9.0	50.6	40.4
2114	53,276	4,816	26,927	21,534	9.0	50.5	40.4
2115	52,665	4,755	26,614	21,296	9.0	50.5	40.4
2116	52,062	4,694	26,311	21,057	9.0	50.5	40.4
2117	51,469	4,633	26,016	20,820	9.0	50.5	40.5
2118	50,883	4,572	25,729	20,582	9.0	50.6	40.4
2119	50,305	4,511	25,448	20,345	9.0	50.6	40.4
2120	49,733	4,451	25,173	20,109	8.9	50.6	40.4

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

Supplement Table 2 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:High-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2071	94,834	11,127	50,337	33,369	11.7	53.1	35.2
2072	94,180	11,098	49,996	33,085	11.8	53.1	35.1
2073	93,531	11,064	49,646	32,820	11.8	53.1	35.1
2074	92,891	11,025	49,313	32,553	11.9	53.1	35.0
2075	92,260	10,979	48,983	32,297	11.9	53.1	35.0
2076	91,640	10,926	48,661	32,053	11.9	53.1	35.0
2077	91,031	10,867	48,361	31,804	11.9	53.1	34.9
2078	90,434	10,801	48,063	31,570	11.9	53.1	34.9
2079	89,848	10,728	47,787	31,332	11.9	53.2	34.9
2080	89,273	10,651	47,508	31,114	11.9	53.2	34.9
2081	88,708	10,569	47,250	30,888	11.9	53.3	34.8
2082	88,152	10,484	47,030	30,638	11.9	53.4	34.8
2083	87,605	10,397	46,830	30,378	11.9	53.5	34.7
2084	87,066	10,309	46,670	30,087	11.8	53.6	34.6
2085	86,534	10,220	46,542	29,772	11.8	53.8	34.4
2086	86,008	10,133	46,330	29,545	11.8	53.9	34.4
2087	85,488	10,047	46,134	29,306	11.8	54.0	34.3
2088	84,972	9,964	45,966	29,042	11.7	54.1	34.2
2089	84,462	9,885	45,778	28,799	11.7	54.2	34.1
2090	83,955	9,810	45,578	28,568	11.7	54.3	34.0
2091	83,453	9,739	45,368	28,345	11.7	54.4	34.0
2092	82,954	9,674	45,146	28,134	11.7	54.4	33.9
2093	82,459	9,613	44,909	27,937	11.7	54.5	33.9
2094	81,968	9,558	44,658	27,752	11.7	54.5	33.9
2095	81,481	9,507	44,394	27,580	11.7	54.5	33.8
2096	80,997	9,460	44,119	27,418	11.7	54.5	33.9
2097	80,518	9,417	43,835	27,266	11.7	54.4	33.9
2098	80,043	9,377	43,545	27,121	11.7	54.4	33.9
2099	79,572	9,339	43,250	26,983	11.7	54.4	33.9
2100	79,106	9,303	42,954	26,849	11.8	54.3	33.9
2101	78,644	9,268	42,658	26,718	11.8	54.2	34.0
2102	78,187	9,233	42,364	26,591	11.8	54.2	34.0
2103	77,734	9,197	42,073	26,464	11.8	54.1	34.0
2104	77,286	9,160	41,787	26,339	11.9	54.1	34.1
2105	76,842	9,121	41,506	26,215	11.9	54.0	34.1
2106	76,402	9,079	41,232	26,091	11.9	54.0	34.1
2107	75,967	9,035	40,965	25,966	11.9	53.9	34.2
2108	75,535	8,988	40,706	25,841	11.9	53.9	34.2
2109	75,108	8,937	40,455	25,715	11.9	53.9	34.2
2110	74,684	8,884	40,213	25,587	11.9	53.8	34.3
2111	74,265	8,828	39,980	25,457	11.9	53.8	34.3
2112	73,850	8,770	39,755	25,325	11.9	53.8	34.3
2113	73,438	8,709	39,539	25,190	11.9	53.8	34.3
2114	73,030	8,647	39,330	25,052	11.8	53.9	34.3
2115	72,624	8,584	39,128	24,912	11.8	53.9	34.3
2116	72,221	8,520	38,932	24,769	11.8	53.9	34.3
2117	71,820	8,456	38,739	24,625	11.8	53.9	34.3
2118	71,421	8,392	38,550	24,479	11.8	54.0	34.3
2119	71,022	8,330	38,361	24,331	11.7	54.0	34.3
2120	70,624	8,268	38,172	24,183	11.7	54.0	34.2

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

Supplement Table 3 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Low-fertility (medium-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2071	79,158	5,614	40,174	33,369	7.1	50.8	42.2
2072	78,081	5,539	39,457	33,085	7.1	50.5	42.4
2073	77,010	5,466	38,723	32,820	7.1	50.3	42.6
2074	75,947	5,395	37,999	32,553	7.1	50.0	42.9
2075	74,894	5,325	37,271	32,297	7.1	49.8	43.1
2076	73,852	5,255	36,544	32,053	7.1	49.5	43.4
2077	72,821	5,184	35,834	31,804	7.1	49.2	43.7
2078	71,802	5,111	35,121	31,570	7.1	48.9	44.0
2079	70,795	5,036	34,427	31,332	7.1	48.6	44.3
2080	69,797	4,959	33,725	31,114	7.1	48.3	44.6
2081	68,810	4,879	33,043	30,888	7.1	48.0	44.9
2082	67,831	4,797	32,395	30,638	7.1	47.8	45.2
2083	66,859	4,713	31,768	30,378	7.0	47.5	45.4
2084	65,894	4,628	31,180	30,087	7.0	47.3	45.7
2085	64,935	4,540	30,623	29,772	7.0	47.2	45.8
2086	63,981	4,452	30,131	29,398	7.0	47.1	45.9
2087	63,031	4,364	29,697	28,970	6.9	47.1	46.0
2088	62,085	4,275	29,289	28,522	6.9	47.2	45.9
2089	61,143	4,187	28,871	28,085	6.8	47.2	45.9
2090	60,203	4,099	28,452	27,652	6.8	47.3	45.9
2091	59,266	4,013	28,035	27,218	6.8	47.3	45.9
2092	58,333	3,929	27,616	26,788	6.7	47.3	45.9
2093	57,403	3,848	27,193	26,362	6.7	47.4	45.9
2094	56,477	3,769	26,767	25,942	6.7	47.4	45.9
2095	55,556	3,693	26,337	25,526	6.6	47.4	45.9
2096	54,640	3,620	25,906	25,114	6.6	47.4	46.0
2097	53,730	3,551	25,473	24,706	6.6	47.4	46.0
2098	52,826	3,485	25,040	24,302	6.6	47.4	46.0
2099	51,930	3,422	24,607	23,901	6.6	47.4	46.0
2100	51,042	3,362	24,176	23,503	6.6	47.4	46.0
2101	50,163	3,306	23,747	23,110	6.6	47.3	46.1
2102	49,293	3,252	23,320	22,721	6.6	47.3	46.1
2103	48,433	3,200	22,895	22,338	6.6	47.3	46.1
2104	47,583	3,150	22,473	21,960	6.6	47.2	46.2
2105	46,745	3,102	22,055	21,588	6.6	47.2	46.2
2106	45,919	3,055	21,641	21,222	6.7	47.1	46.2
2107	45,104	3,009	21,232	20,864	6.7	47.1	46.3
2108	44,303	2,963	20,828	20,512	6.7	47.0	46.3
2109	43,516	2,918	20,431	20,167	6.7	47.0	46.3
2110	42,743	2,873	20,041	19,829	6.7	46.9	46.4
2111	41,985	2,827	19,660	19,498	6.7	46.8	46.4
2112	41,242	2,781	19,288	19,173	6.7	46.8	46.5
2113	40,516	2,735	18,926	18,854	6.8	46.7	46.5
2114	39,805	2,689	18,576	18,540	6.8	46.7	46.6
2115	39,111	2,642	18,238	18,231	6.8	46.6	46.6
2116	38,432	2,594	17,912	17,926	6.8	46.6	46.6
2117	37,769	2,547	17,598	17,625	6.7	46.6	46.7
2118	37,121	2,499	17,295	17,327	6.7	46.6	46.7
2119	36,487	2,452	17,002	17,033	6.7	46.6	46.7
2120	35,865	2,405	16,719	16,742	6.7	46.6	46.7

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

Supplement Table 4 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (high-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2071	84,178	7,901	44,696	31,581	9.4	53.1	37.5
2072	83,286	7,837	44,141	31,308	9.4	53.0	37.6
2073	82,402	7,774	43,572	31,057	9.4	52.9	37.7
2074	81,528	7,708	43,014	30,805	9.5	52.8	37.8
2075	80,665	7,641	42,456	30,568	9.5	52.6	37.9
2076	79,813	7,571	41,900	30,341	9.5	52.5	38.0
2077	78,972	7,498	41,363	30,111	9.5	52.4	38.1
2078	78,142	7,421	40,825	29,896	9.5	52.2	38.3
2079	77,322	7,340	40,306	29,675	9.5	52.1	38.4
2080	76,511	7,256	39,781	29,474	9.5	52.0	38.5
2081	75,708	7,169	39,276	29,263	9.5	51.9	38.7
2082	74,912	7,078	38,806	29,028	9.4	51.8	38.7
2083	74,122	6,986	38,355	28,781	9.4	51.7	38.8
2084	73,337	6,891	37,943	28,503	9.4	51.7	38.9
2085	72,557	6,796	37,562	28,200	9.4	51.8	38.9
2086	71,780	6,700	37,174	27,906	9.3	51.8	38.9
2087	71,007	6,604	36,824	27,579	9.3	51.9	38.8
2088	70,236	6,509	36,499	27,228	9.3	52.0	38.8
2089	69,468	6,415	36,160	26,893	9.2	52.1	38.7
2090	68,702	6,323	35,813	26,566	9.2	52.1	38.7
2091	67,939	6,234	35,462	26,242	9.2	52.2	38.6
2092	67,179	6,148	35,105	25,926	9.2	52.3	38.6
2093	66,421	6,065	34,738	25,618	9.1	52.3	38.6
2094	65,667	5,985	34,363	25,319	9.1	52.3	38.6
2095	64,918	5,909	33,980	25,028	9.1	52.3	38.6
2096	64,172	5,837	33,591	24,745	9.1	52.3	38.6
2097	63,432	5,768	33,196	24,468	9.1	52.3	38.6
2098	62,698	5,702	32,799	24,197	9.1	52.3	38.6
2099	61,969	5,640	32,399	23,930	9.1	52.3	38.6
2100	61,247	5,580	32,000	23,667	9.1	52.2	38.6
2101	60,532	5,523	31,601	23,409	9.1	52.2	38.7
2102	59,824	5,467	31,204	23,153	9.1	52.2	38.7
2103	59,123	5,413	30,809	22,901	9.2	52.1	38.7
2104	58,430	5,360	30,418	22,653	9.2	52.1	38.8
2105	57,745	5,307	30,030	22,408	9.2	52.0	38.8
2106	57,069	5,254	29,647	22,167	9.2	52.0	38.8
2107	56,400	5,202	29,270	21,929	9.2	51.9	38.9
2108	55,741	5,148	28,898	21,694	9.2	51.8	38.9
2109	55,090	5,094	28,533	21,463	9.2	51.8	39.0
2110	54,449	5,038	28,176	21,235	9.3	51.7	39.0
2111	53,817	4,982	27,827	21,009	9.3	51.7	39.0
2112	53,195	4,924	27,486	20,785	9.3	51.7	39.1
2113	52,582	4,865	27,155	20,562	9.3	51.6	39.1
2114	51,978	4,806	26,834	20,339	9.2	51.6	39.1
2115	51,383	4,746	26,522	20,116	9.2	51.6	39.1
2116	50,797	4,685	26,219	19,893	9.2	51.6	39.2
2117	50,218	4,624	25,925	19,669	9.2	51.6	39.2
2118	49,646	4,563	25,638	19,445	9.2	51.6	39.2
2119	49,080	4,502	25,358	19,221	9.2	51.7	39.2
2120	48,521	4,441	25,083	18,996	9.2	51.7	39.2

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

Supplement Table 5 Total population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (low-mortality) projection

Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2071	88,022	7,918	44,911	35,193	9.0	51.0	40.0
2072	87,109	7,855	44,355	34,900	9.0	50.9	40.1
2073	86,198	7,791	43,785	34,623	9.0	50.8	40.2
2074	85,291	7,726	43,226	34,339	9.1	50.7	40.3
2075	84,392	7,659	42,667	34,066	9.1	50.6	40.4
2076	83,501	7,589	42,110	33,802	9.1	50.4	40.5
2077	82,620	7,515	41,572	33,532	9.1	50.3	40.6
2078	81,750	7,438	41,033	33,279	9.1	50.2	40.7
2079	80,891	7,358	40,512	33,021	9.1	50.1	40.8
2080	80,043	7,274	39,985	32,784	9.1	50.0	41.0
2081	79,205	7,186	39,479	32,540	9.1	49.8	41.1
2082	78,377	7,096	39,008	32,273	9.1	49.8	41.2
2083	77,557	7,003	38,556	31,998	9.0	49.7	41.3
2084	76,745	6,909	38,144	31,692	9.0	49.7	41.3
2085	75,939	6,813	37,762	31,364	9.0	49.7	41.3
2086	75,139	6,717	37,374	31,048	8.9	49.7	41.3
2087	74,344	6,621	37,023	30,700	8.9	49.8	41.3
2088	73,554	6,526	36,698	30,329	8.9	49.9	41.2
2089	72,767	6,433	36,359	29,976	8.8	50.0	41.2
2090	71,983	6,341	36,011	29,631	8.8	50.0	41.2
2091	71,202	6,252	35,661	29,290	8.8	50.1	41.1
2092	70,424	6,166	35,303	28,956	8.8	50.1	41.1
2093	69,648	6,083	34,936	28,630	8.7	50.2	41.1
2094	68,875	6,003	34,560	28,312	8.7	50.2	41.1
2095	68,105	5,927	34,176	28,002	8.7	50.2	41.1
2096	67,338	5,855	33,786	27,698	8.7	50.2	41.1
2097	66,575	5,786	33,390	27,399	8.7	50.2	41.2
2098	65,816	5,720	32,991	27,105	8.7	50.1	41.2
2099	65,062	5,658	32,591	26,813	8.7	50.1	41.2
2100	64,313	5,598	32,190	26,525	8.7	50.1	41.2
2101	63,570	5,541	31,790	26,239	8.7	50.0	41.3
2102	62,832	5,485	31,392	25,955	8.7	50.0	41.3
2103	62,101	5,431	30,996	25,675	8.7	49.9	41.3
2104	61,377	5,378	30,603	25,396	8.8	49.9	41.4
2105	60,660	5,325	30,214	25,121	8.8	49.8	41.4
2106	59,950	5,273	29,830	24,848	8.8	49.8	41.4
2107	59,248	5,220	29,451	24,578	8.8	49.7	41.5
2108	58,554	5,166	29,078	24,310	8.8	49.7	41.5
2109	57,869	5,112	28,712	24,045	8.8	49.6	41.6
2110	57,192	5,056	28,353	23,782	8.8	49.6	41.6
2111	56,524	5,000	28,003	23,522	8.8	49.5	41.6
2112	55,866	4,942	27,661	23,263	8.8	49.5	41.6
2113	55,218	4,883	27,329	23,006	8.8	49.5	41.7
2114	54,579	4,824	27,006	22,750	8.8	49.5	41.7
2115	53,951	4,763	26,693	22,494	8.8	49.5	41.7
2116	53,332	4,702	26,389	22,240	8.8	49.5	41.7
2117	52,722	4,641	26,094	21,987	8.8	49.5	41.7
2118	52,122	4,580	25,807	21,735	8.8	49.5	41.7
2119	51,530	4,519	25,526	21,485	8.8	49.5	41.7
2120	50,945	4,459	25,250	21,236	8.8	49.6	41.7

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

Supplement Table 6 Total population: Medium-, high-, and low-fertility (medium-, high-, and low-mortality) projections

(thousands)

Year	Medium-mortality assumption			High-mortality assumption			Low-mortality assumption		
	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility	Medium-fertility	High-fertility	Low-fertility
2071	86,090	94,834	79,158	84,178	92,910	77,255	88,022	96,775	81,081
2072	85,187	94,180	78,081	83,286	92,266	76,189	87,109	96,112	79,995
2073	84,289	93,531	77,010	82,402	91,632	75,133	86,198	95,451	78,910
2074	83,398	92,891	75,947	81,528	91,007	74,087	85,291	94,795	77,831
2075	82,517	92,260	74,894	80,665	90,393	73,053	84,392	94,147	76,759
2076	81,646	91,640	73,852	79,813	89,792	72,031	83,501	93,507	75,696
2077	80,786	91,031	72,821	78,972	89,201	71,020	82,620	92,878	74,644
2078	79,937	90,434	71,802	78,142	88,622	70,021	81,750	92,261	73,604
2079	79,099	89,848	70,795	77,322	88,053	69,032	80,891	91,656	72,575
2080	78,270	89,273	69,797	76,511	87,495	68,053	80,043	91,062	71,558
2081	77,451	88,708	68,810	75,708	86,945	67,082	79,205	90,479	70,551
2082	76,640	88,152	67,831	74,912	86,403	66,119	78,377	89,908	69,553
2083	75,836	87,605	66,859	74,122	85,869	65,163	77,557	89,346	68,565
2084	75,038	87,066	65,894	73,337	85,341	64,212	76,745	88,793	67,585
2085	74,246	86,534	64,935	72,557	84,819	63,266	75,939	88,248	66,611
2086	73,459	86,008	63,981	71,780	84,303	62,324	75,139	87,711	65,644
2087	72,675	85,488	63,031	71,007	83,791	61,385	74,344	87,181	64,681
2088	71,895	84,972	62,085	70,236	83,283	60,450	73,554	86,657	63,724
2089	71,118	84,462	61,143	69,468	82,780	59,518	72,767	86,138	62,770
2090	70,343	83,955	60,203	68,702	82,280	58,589	71,983	85,624	61,820
2091	69,571	83,453	59,266	67,939	81,785	57,663	71,202	85,115	60,873
2092	68,802	82,954	58,333	67,179	81,293	56,740	70,424	84,609	59,929
2093	68,035	82,459	57,403	66,421	80,805	55,822	69,648	84,107	58,988
2094	67,272	81,968	56,477	65,667	80,321	54,908	68,875	83,609	58,051
2095	66,511	81,481	55,556	64,918	79,841	53,999	68,105	83,114	57,118
2096	65,755	80,997	54,640	64,172	79,365	53,097	67,338	82,623	56,189
2097	65,003	80,518	53,730	63,432	78,895	52,201	66,575	82,135	55,265
2098	64,256	80,043	52,826	62,698	78,429	51,313	65,816	81,651	54,347
2099	63,514	79,572	51,930	61,969	77,968	50,433	65,062	81,171	53,436
2100	62,779	79,106	51,042	61,247	77,511	49,562	64,313	80,695	52,532
2101	62,049	78,644	50,163	60,532	77,060	48,701	63,570	80,224	51,636
2102	61,326	78,187	49,293	59,824	76,613	47,849	62,832	79,756	50,748
2103	60,610	77,734	48,433	59,123	76,171	47,009	62,101	79,293	49,870
2104	59,901	77,286	47,583	58,430	75,733	46,179	61,377	78,834	49,001
2105	59,200	76,842	46,745	57,745	75,300	45,362	60,660	78,379	48,143
2106	58,506	76,402	45,919	57,069	74,870	44,557	59,950	77,928	47,295
2107	57,821	75,967	45,104	56,400	74,445	43,765	59,248	77,482	46,460
2108	57,144	75,535	44,303	55,741	74,024	42,987	58,554	77,039	45,636
2109	56,476	75,108	43,516	55,090	73,607	42,224	57,869	76,601	44,825
2110	55,817	74,684	42,743	54,449	73,194	41,475	57,192	76,167	44,029
2111	55,167	74,265	41,985	53,817	72,784	40,742	56,524	75,738	43,246
2112	54,527	73,850	41,242	53,195	72,378	40,024	55,866	75,313	42,479
2113	53,897	73,438	40,516	52,582	71,975	39,323	55,218	74,891	41,727
2114	53,276	73,030	39,805	51,978	71,574	38,637	54,579	74,474	40,992
2115	52,665	72,624	39,111	51,383	71,175	37,967	53,951	74,061	40,272
2116	52,062	72,221	38,432	50,797	70,779	37,312	53,332	73,651	39,569
2117	51,469	71,820	37,769	50,218	70,383	36,671	52,722	73,243	38,883
2118	50,883	71,421	37,121	49,646	69,988	36,044	52,122	72,838	38,212
2119	50,305	71,022	36,487	49,080	69,593	35,429	51,530	72,435	37,556
2120	49,733	70,624	35,865	48,521	69,199	34,827	50,945	72,033	36,915

Total population as of October 1 of each year. Total population includdes foreigners in Japan.

≪Projections for the Japanese Population and Fertility Assumptions≫

Japanese Population Projections Table1 Japanese population, population by the major three age groups (under 15, 15-64, and 65 and over), and age composition:Medium-fertility (medium-mortality) projection

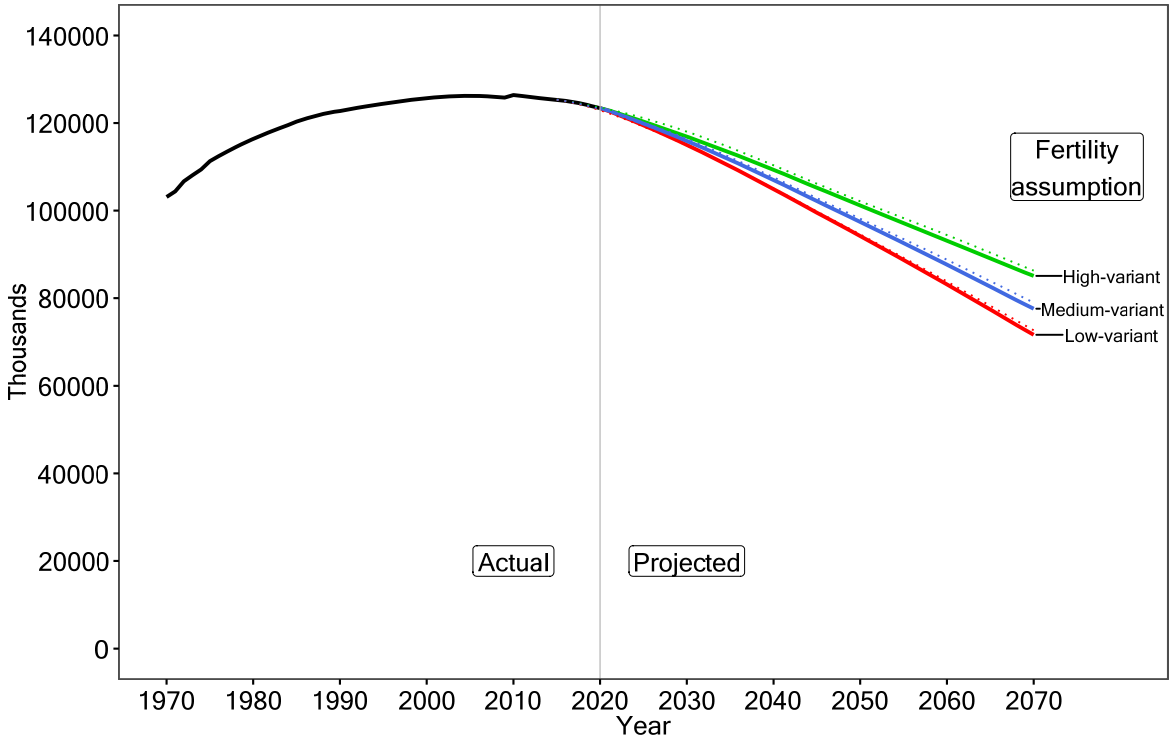
Year	Population (thousands)				Percentage		
	Total	0-14	15-64	65 +	0-14	15-64	65 +
2020	123,399	14,810	72,749	35,840	12.0	59.0	29.0
2021	122,810	14,568	72,214	36,028	11.9	58.8	29.3
2022	122,097	14,276	71,764	36,058	11.7	58.8	29.5
2023	121,363	13,946	71,288	36,129	11.5	58.7	29.8
2024	120,633	13,641	70,759	36,234	11.3	58.7	30.0
2025	119,887	13,341	70,259	36,288	11.1	58.6	30.3
2026	119,120	13,045	69,765	36,311	11.0	58.6	30.5
2027	118,338	12,774	69,222	36,342	10.8	58.5	30.7
2028	117,542	12,506	68,636	36,399	10.6	58.4	31.0
2029	116,733	12,263	67,991	36,479	10.5	58.2	31.2
2030	115,912	12,016	67,251	36,645	10.4	58.0	31.6
2031	115,078	11,793	66,800	36,485	10.2	58.0	31.7
2032	114,231	11,606	65,938	36,687	10.2	57.7	32.1
2033	113,370	11,439	65,056	36,875	10.1	57.4	32.5
2034	112,494	11,309	64,093	37,092	10.1	57.0	33.0
2035	111,605	11,208	63,073	37,325	10.0	56.5	33.4
2036	110,703	11,100	62,000	37,602	10.0	56.0	34.0
2037	109,789	11,028	60,835	37,926	10.0	55.4	34.5
2038	108,862	10,978	59,609	38,275	10.1	54.8	35.2
2039	107,926	10,915	58,427	38,585	10.1	54.1	35.8
2040	106,982	10,843	57,351	38,788	10.1	53.6	36.3
2041	106,030	10,768	56,345	38,917	10.2	53.1	36.7
2042	105,074	10,685	55,421	38,968	10.2	52.7	37.1
2043	104,114	10,593	54,543	38,978	10.2	52.4	37.4
2044	103,152	10,491	53,728	38,933	10.2	52.1	37.7
2045	102,190	10,380	52,953	38,857	10.2	51.8	38.0
2046	101,229	10,261	52,243	38,725	10.1	51.6	38.3
2047	100,268	10,134	51,548	38,587	10.1	51.4	38.5
2048	99,309	10,000	50,850	38,459	10.1	51.2	38.7
2049	98,352	9,861	50,166	38,324	10.0	51.0	39.0
2050	97,395	9,717	49,524	38,154	10.0	50.8	39.2
2051	96,439	9,569	48,926	37,944	9.9	50.7	39.3
2052	95,482	9,418	48,344	37,720	9.9	50.6	39.5
2053	94,523	9,265	47,789	37,469	9.8	50.6	39.6
2054	93,561	9,111	47,269	37,181	9.7	50.5	39.7
2055	92,594	8,956	46,766	36,872	9.7	50.5	39.8
2056	91,622	8,803	46,275	36,544	9.6	50.5	39.9
2057	90,644	8,653	45,769	36,223	9.5	50.5	40.0
2058	89,660	8,506	45,269	35,885	9.5	50.5	40.0
2059	88,668	8,363	44,733	35,572	9.4	50.4	40.1
2060	87,670	8,227	44,185	35,258	9.4	50.4	40.2
2061	86,666	8,097	43,641	34,928	9.3	50.4	40.3
2062	85,656	7,975	43,086	34,595	9.3	50.3	40.4
2063	84,643	7,861	42,516	34,267	9.3	50.2	40.5
2064	83,628	7,755	41,949	33,924	9.3	50.2	40.6
2065	82,612	7,658	41,369	33,585	9.3	50.1	40.7
2066	81,599	7,568	40,787	33,243	9.3	50.0	40.7
2067	80,589	7,486	40,212	32,891	9.3	49.9	40.8
2068	79,585	7,410	39,662	32,513	9.3	49.8	40.9
2069	78,590	7,339	39,111	32,140	9.3	49.8	40.9
2070	77,606	7,271	38,592	31,743	9.4	49.7	40.9

Japanese population as of October 1 of each year.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Japanese Population Projections Table 2 Number and rate of births, deaths and natural increase (Japanese popultion) : Medium-fertility (medium-mortality) projection

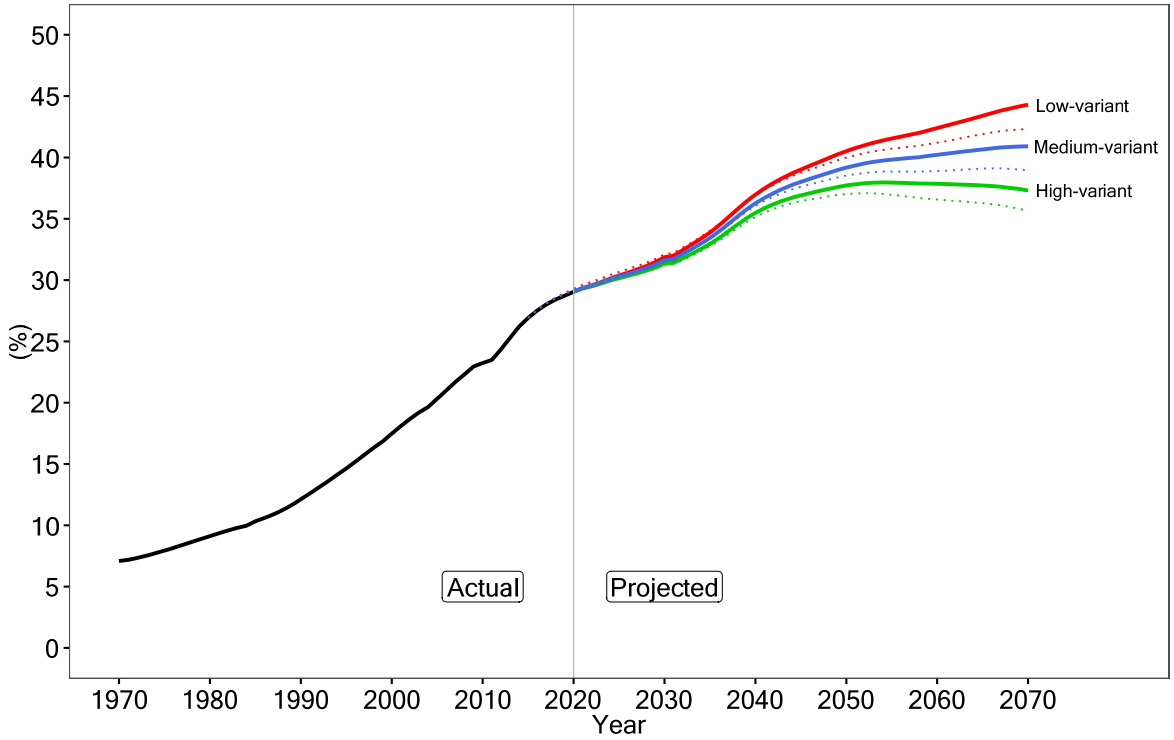
Year	Number (thoudands)			Rate (per 1,000 population)		
	Birth	Death	Natural increase	Birth	Death	Natural increase
2021	813	1,438	-625	6.6	11.7	-5.1
2022	766	1,524	-758	6.3	12.5	-6.2
2023	739	1,482	-743	6.1	12.2	-6.1
2024	755	1,499	-744	6.3	12.4	-6.2
2025	749	1,516	-767	6.2	12.6	-6.4
2026	744	1,532	-787	6.2	12.9	-6.6
2027	743	1,546	-803	6.3	13.1	-6.8
2028	744	1,560	-816	6.3	13.3	-6.9
2029	743	1,573	-830	6.4	13.5	-7.1
2030	741	1,585	-843	6.4	13.7	-7.3
2031	739	1,596	-857	6.4	13.9	-7.4
2032	735	1,606	-871	6.4	14.1	-7.6
2033	730	1,616	-886	6.4	14.3	-7.8
2034	723	1,624	-901	6.4	14.4	-8.0
2035	716	1,632	-915	6.4	14.6	-8.2
2036	709	1,638	-929	6.4	14.8	-8.4
2037	701	1,643	-943	6.4	15.0	-8.6
2038	692	1,647	-955	6.4	15.1	-8.8
2039	684	1,649	-965	6.3	15.3	-8.9
2040	675	1,649	-974	6.3	15.4	-9.1
2041	666	1,647	-982	6.3	15.5	-9.3
2042	657	1,644	-987	6.2	15.6	-9.4
2043	647	1,638	-991	6.2	15.7	-9.5
2044	637	1,630	-993	6.2	15.8	-9.6
2045	627	1,621	-994	6.1	15.9	-9.7
2046	616	1,610	-994	6.1	15.9	-9.8
2047	605	1,598	-993	6.0	15.9	-9.9
2048	593	1,586	-992	6.0	16.0	-10.0
2049	582	1,573	-991	5.9	16.0	-10.1
2050	570	1,561	-991	5.9	16.0	-10.2
2051	559	1,550	-992	5.8	16.1	-10.3
2052	548	1,541	-993	5.7	16.1	-10.4
2053	538	1,534	-996	5.7	16.2	-10.5
2054	529	1,528	-1,000	5.6	16.3	-10.7
2055	520	1,525	-1,004	5.6	16.5	-10.8
2056	513	1,523	-1,010	5.6	16.6	-11.0
2057	506	1,523	-1,017	5.6	16.8	-11.2
2058	501	1,525	-1,024	5.6	17.0	-11.4
2059	496	1,527	-1,031	5.6	17.2	-11.6
2060	492	1,529	-1,038	5.6	17.4	-11.8
2061	488	1,532	-1,044	5.6	17.7	-12.0
2062	485	1,533	-1,048	5.7	17.9	-12.2
2063	481	1,533	-1,052	5.7	18.1	-12.4
2064	478	1,532	-1,054	5.7	18.3	-12.6
2065	475	1,528	-1,054	5.7	18.5	-12.8
2066	471	1,523	-1,052	5.8	18.7	-12.9
2067	467	1,514	-1,047	5.8	18.8	-13.0
2068	463	1,503	-1,040	5.8	18.9	-13.1
2069	458	1,489	-1,031	5.8	19.0	-13.1
2070	453	1,473	-1,020	5.8	19.0	-13.1

Japanese Population Projections Figure 1 Actual and projected Japanese population: Medium-, high-, and low-fertility (medium-mortality) projections



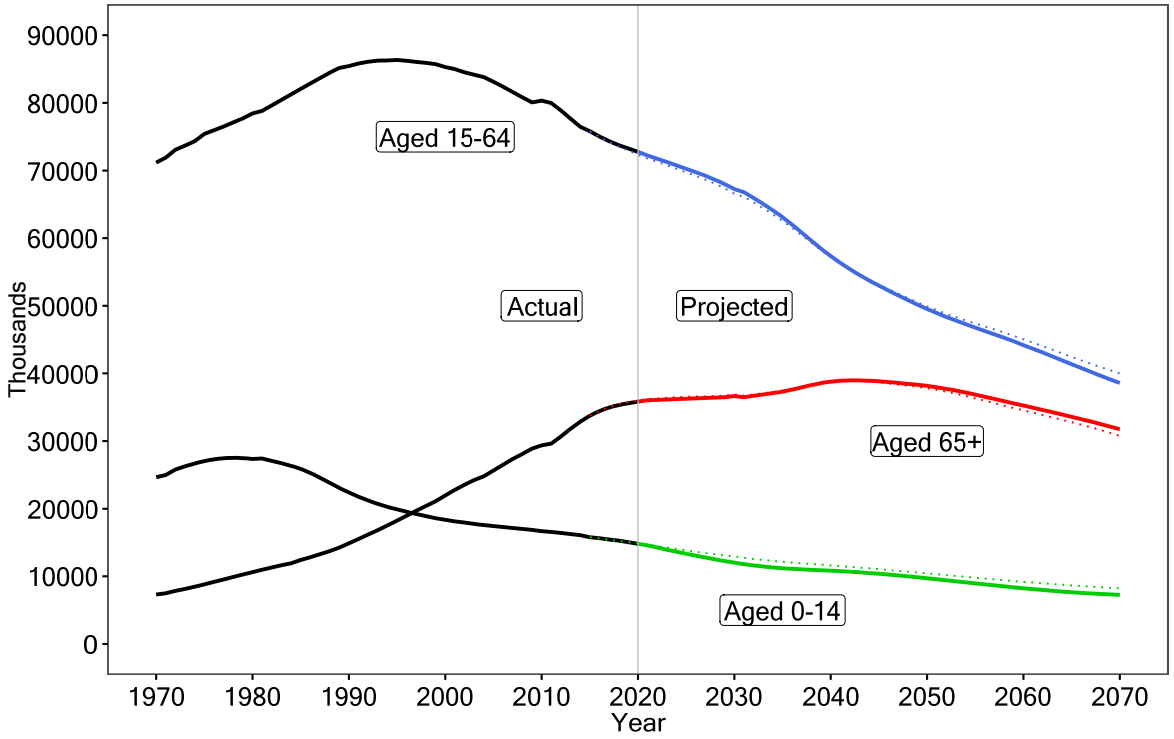
The latest projections are shown in solid lines and previous projections are shown in broken lines.

Japanese Population Projections Figure 2 Trends in the proportion of the population aged 65 and over: Medium-, high-, and low-fertility (medium-mortality) projections



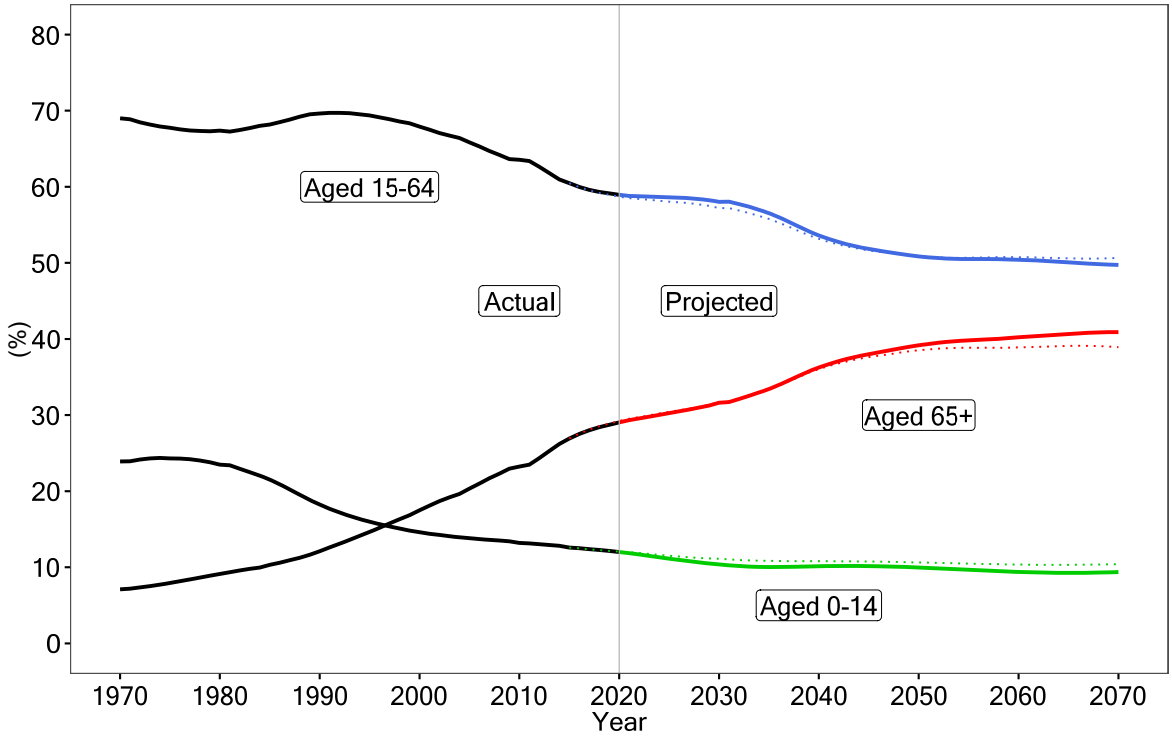
The latest projections are shown in solid lines and previous projections are shown in broken lines.

Japanese Population Projections Figure 3 Trends in the population of major three age groups: Medium-fertility (medium-mortality) projections



Previous projections are shown in broken lines.

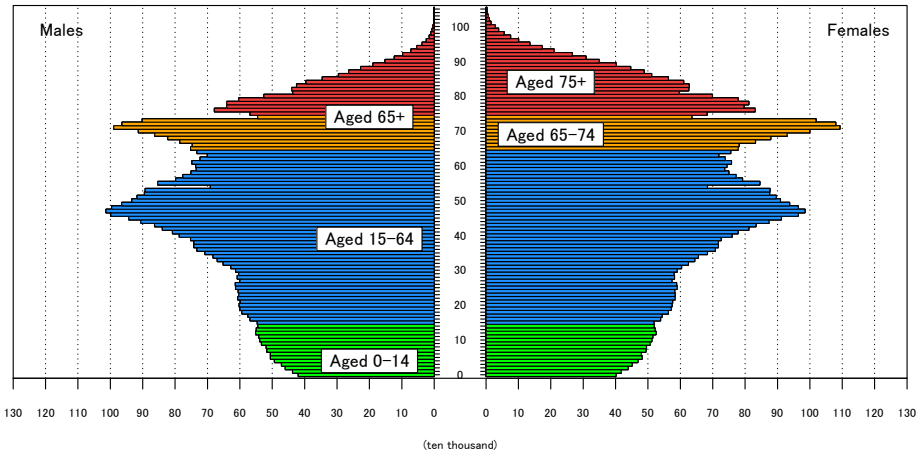
Japanese Population Projections Figure 4 Trends in the proportion of major three age groups: Medium-fertility (medium-mortality) projections



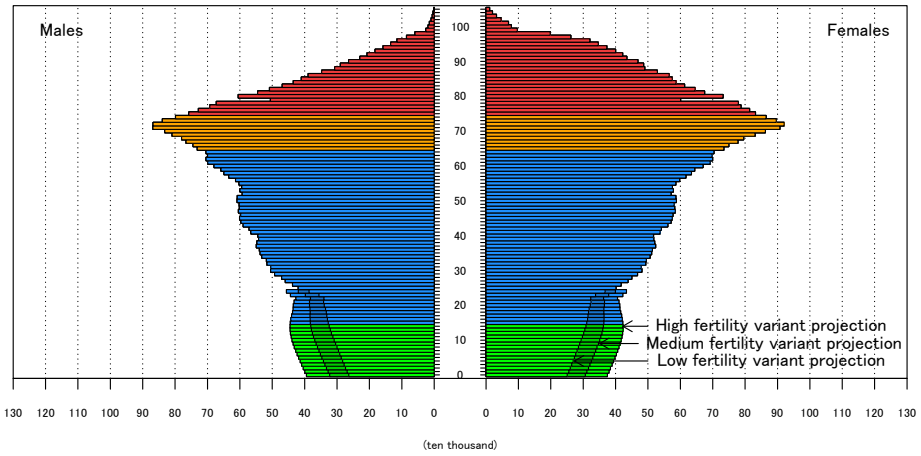
Previous projections are shown in broken lines.

Japanese Population Projections Figure 5 Population pyramid (Japanese population): Three fertility variant projections with a medium-mortality assumption

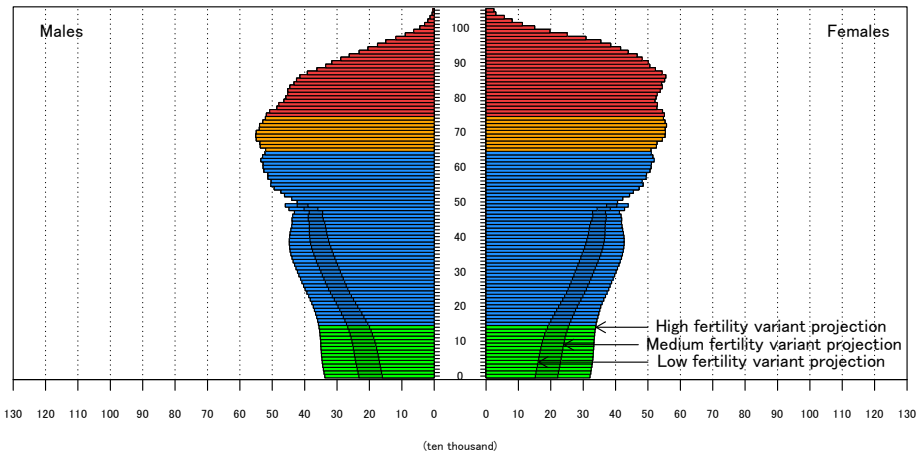
(1) 2020 (Japanese Population)



(2) 2045 (Japanese Population)



(3) 2070 (Japanese Population)



Japanese Population Projections Table 3
Trends of the total fertility rate (For the number of births to Japanese women)

Year	Medium	High	Low
2020	1.3126	1.3126	1.3126
2021	1.2851	1.4337	1.1489
2022	1.2263	1.3694	1.0941
2023	1.2028	1.3472	1.0692
2024	1.2449	1.4015	1.1000
2025	1.2472	1.4118	1.0952
2026	1.2508	1.4240	1.0917
2027	1.2597	1.4420	1.0930
2028	1.2698	1.4615	1.0957
2029	1.2781	1.4788	1.0969
2030	1.2850	1.4945	1.0972
2031	1.2904	1.5084	1.0964
2032	1.2942	1.5203	1.0947
2033	1.2955	1.5288	1.0913
2034	1.2959	1.5356	1.0877
2035	1.2953	1.5406	1.0839
2036	1.2940	1.5439	1.0800
2037	1.2924	1.5460	1.0765
2038	1.2907	1.5473	1.0735
2039	1.2892	1.5480	1.0710
2040	1.2880	1.5484	1.0691
2041	1.2871	1.5486	1.0677
2042	1.2864	1.5488	1.0667
2043	1.2859	1.5488	1.0661
2044	1.2856	1.5489	1.0657
2045	1.2854	1.5489	1.0655
2046	1.2853	1.5489	1.0654
2047	1.2853	1.5490	1.0653
2048	1.2853	1.5490	1.0653
2049	1.2853	1.5490	1.0653
2050	1.2853	1.5490	1.0653
2051	1.2853	1.5490	1.0653
2052	1.2853	1.5490	1.0653
2053	1.2853	1.5490	1.0653
2054	1.2853	1.5490	1.0653
2055	1.2853	1.5490	1.0653
2056	1.2853	1.5490	1.0653
2057	1.2853	1.5490	1.0653
2058	1.2853	1.5490	1.0653
2059	1.2853	1.5490	1.0653
2060	1.2853	1.5490	1.0653
2061	1.2853	1.5490	1.0653
2062	1.2853	1.5490	1.0653
2063	1.2853	1.5490	1.0653
2064	1.2853	1.5490	1.0653
2065	1.2853	1.5490	1.0653
2066	1.2853	1.5490	1.0653
2067	1.2853	1.5490	1.0653
2068	1.2853	1.5490	1.0653
2069	1.2853	1.5490	1.0653
2070	1.2853	1.5490	1.0653

Figures for 2020 are actual values. Period total fertility rates corresponding to the fertility assumptions for the cohort of Japanese women. The rates are for births to Japanese women only (excluding births with Japanese nationality born to non-Japanese women). For the total fertility rate based on the same definition as the Vital Statistics, see Table 4-1.

≪Conditional Population Projections≫

Conditional projection table 1 Total population: Total fertility rate (2070) 1.00, 1.20, 1.40, 1.60, 1.80, 2.00, 2.20

(thousands)

Year	Total fertility rate (2070)						
	1.00	1.20	1.40	1.60	1.80	2.00	2.20
2020	126,146	126,146	126,146	126,146	126,146	126,146	126,146
2021	125,425	125,482	125,538	125,590	125,642	125,694	125,746
2022	124,745	124,875	125,003	125,121	125,240	125,358	125,477
2023	124,047	124,248	124,447	124,630	124,814	124,997	125,181
2024	123,347	123,624	123,897	124,149	124,401	124,653	124,905
2025	122,623	122,980	123,331	123,655	123,978	124,302	124,627
2026	121,873	122,314	122,746	123,144	123,543	123,942	124,342
2027	121,101	121,628	122,146	122,622	123,100	123,578	124,057
2028	120,310	120,927	121,533	122,092	122,652	123,213	123,775
2029	119,500	120,211	120,909	121,554	122,200	122,847	123,495
2030	118,672	119,479	120,272	121,007	121,743	122,480	123,218
2031	117,826	118,733	119,624	120,452	121,281	122,111	122,942
2032	116,963	117,971	118,963	119,887	120,812	121,739	122,667
2033	116,082	117,194	118,289	119,312	120,336	121,362	122,389
2034	115,184	116,401	117,602	118,726	119,851	120,979	122,107
2035	114,269	115,594	116,900	118,128	119,357	120,588	121,820
2036	113,340	114,773	116,186	117,518	118,852	120,188	121,526
2037	112,398	113,938	115,459	116,897	118,337	119,780	121,224
2038	111,444	113,091	114,720	116,265	117,812	119,361	120,913
2039	110,479	112,234	113,971	115,622	117,277	118,934	120,593
2040	109,506	111,368	113,212	114,971	116,733	118,498	120,265
2041	108,519	110,490	112,443	114,311	116,182	118,056	119,933
2042	107,521	109,602	111,664	113,643	115,625	117,610	119,599
2043	106,514	108,705	110,879	112,969	115,063	117,162	119,264
2044	105,500	107,803	110,089	112,291	114,500	116,713	118,931
2045	104,481	106,895	109,295	111,612	113,936	116,266	118,602
2046	103,457	105,984	108,499	110,932	113,373	115,822	118,278
2047	102,430	105,071	107,701	110,252	112,813	115,384	117,963
2048	101,399	104,156	106,903	109,574	112,257	114,952	117,659
2049	100,366	103,238	106,105	108,897	111,706	114,530	117,369
2050	99,328	102,317	105,306	108,223	111,161	114,118	117,095
2051	98,284	101,392	104,505	107,551	110,622	113,718	116,838
2052	97,234	100,462	103,702	106,879	110,088	113,329	116,600
2053	96,176	99,526	102,896	106,209	109,561	112,951	116,381
2054	95,109	98,582	102,085	105,537	109,037	112,585	116,180
2055	94,031	97,630	101,268	104,863	108,516	112,227	115,996
2056	92,942	96,667	100,444	104,186	107,998	111,878	115,827
2057	91,840	95,694	99,612	103,505	107,480	111,537	115,674
2058	90,726	94,710	98,771	102,820	106,963	111,201	115,533
2059	89,600	93,714	97,921	102,128	106,444	110,870	115,404
2060	88,461	92,708	97,063	101,432	105,925	110,543	115,286
2061	87,311	91,691	96,197	100,730	105,404	110,219	115,176
2062	86,151	90,666	95,324	100,024	104,882	109,899	115,074
2063	84,983	89,632	94,444	99,313	104,359	109,581	114,980
2064	83,808	88,593	93,559	98,600	103,836	109,266	114,893
2065	82,628	87,550	92,671	97,885	103,313	108,956	114,813
2066	81,447	86,504	91,782	97,171	102,793	108,649	114,740
2067	80,266	85,460	90,894	96,458	102,276	108,349	114,677
2068	79,088	84,418	90,008	95,750	101,765	108,057	114,624
2069	77,916	83,381	89,128	95,047	101,262	107,773	114,582
2070	76,751	82,351	88,256	94,353	100,767	107,500	114,553
2120	29,529	39,977	52,611	67,624	85,354	106,095	130,151

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Conditional projection table 2 Population aged 65 and over (total population): Total fertility rate (2070) 1.00, 1.20, 1.40, 1.60, 1.80, 2.00, 2.20

(%)

Year	Total fertility rate (2070)						
	1.00	1.20	1.40	1.60	1.80	2.00	2.20
2020	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2021	28.9	28.9	28.9	28.8	28.8	28.8	28.8
2022	29.1	29.0	29.0	29.0	29.0	28.9	28.9
2023	29.3	29.3	29.2	29.2	29.1	29.1	29.0
2024	29.6	29.5	29.4	29.4	29.3	29.3	29.2
2025	29.8	29.7	29.6	29.5	29.5	29.4	29.3
2026	30.0	29.9	29.8	29.7	29.6	29.5	29.4
2027	30.2	30.1	30.0	29.9	29.7	29.6	29.5
2028	30.5	30.3	30.2	30.0	29.9	29.8	29.6
2029	30.8	30.6	30.4	30.3	30.1	29.9	29.8
2030	31.1	30.9	30.7	30.5	30.4	30.2	30.0
2031	31.2	31.0	30.8	30.6	30.4	30.2	29.9
2032	31.7	31.4	31.1	30.9	30.7	30.4	30.2
2033	32.1	31.8	31.5	31.2	30.9	30.7	30.4
2034	32.5	32.2	31.9	31.6	31.3	31.0	30.7
2035	33.0	32.6	32.3	31.9	31.6	31.3	31.0
2036	33.6	33.1	32.7	32.4	32.0	31.6	31.3
2037	34.1	33.7	33.2	32.8	32.4	32.0	31.7
2038	34.8	34.3	33.8	33.3	32.9	32.5	32.0
2039	35.4	34.8	34.3	33.8	33.3	32.8	32.4
2040	35.9	35.3	34.7	34.2	33.7	33.2	32.7
2041	36.3	35.7	35.1	34.5	33.9	33.4	32.9
2042	36.7	36.0	35.4	34.8	34.2	33.6	33.0
2043	37.1	36.4	35.7	35.0	34.4	33.7	33.1
2044	37.4	36.6	35.9	35.2	34.5	33.8	33.2
2045	37.8	36.9	36.1	35.3	34.6	33.9	33.3
2046	38.0	37.1	36.3	35.5	34.7	34.0	33.3
2047	38.3	37.3	36.4	35.6	34.8	34.0	33.3
2048	38.6	37.6	36.6	35.7	34.9	34.0	33.3
2049	38.9	37.8	36.8	35.8	34.9	34.1	33.2
2050	39.1	38.0	36.9	35.9	35.0	34.1	33.2
2051	39.4	38.2	37.0	36.0	35.0	34.0	33.1
2052	39.6	38.3	37.1	36.0	35.0	34.0	33.0
2053	39.8	38.5	37.2	36.1	34.9	33.9	32.9
2054	40.0	38.6	37.3	36.0	34.9	33.8	32.7
2055	40.2	38.7	37.3	36.0	34.8	33.7	32.6
2056	40.3	38.8	37.3	36.0	34.7	33.5	32.4
2057	40.5	38.9	37.4	36.0	34.6	33.4	32.2
2058	40.7	39.0	37.4	35.9	34.5	33.2	32.0
2059	40.9	39.1	37.5	35.9	34.5	33.1	31.8
2060	41.2	39.3	37.5	35.9	34.4	33.0	31.6
2061	41.4	39.5	37.6	35.9	34.3	32.8	31.4
2062	41.7	39.6	37.7	35.9	34.2	32.7	31.2
2063	42.0	39.8	37.8	35.9	34.2	32.5	31.0
2064	42.2	39.9	37.8	35.9	34.1	32.4	30.8
2065	42.5	40.1	37.9	35.9	34.0	32.2	30.6
2066	42.8	40.3	38.0	35.9	33.9	32.1	30.4
2067	43.1	40.5	38.0	35.8	33.8	31.9	30.2
2068	43.3	40.6	38.1	35.8	33.7	31.7	29.9
2069	43.6	40.8	38.1	35.8	33.6	31.5	29.7
2070	43.9	40.9	38.2	35.7	33.4	31.3	29.4
2120	50.6	44.6	39.4	35.0	31.2	28.0	25.2

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Conditional projection table 3 Total population：International Migration Conditions (2040)Number of net migrants of non-Japanese origin, 0, 50,000, 69,000, 100,000, 250,000, 500,000, 750,000, 1,000,000

(thousands)

Year	Number of net migrants of non-Japanese origin (2040)							
	0	50,000	69,000	100,000	250,000	500,000	750,000	1,000,000
2020	126,146	126,146	126,146	126,146	126,146	126,146	126,146	126,146
2021	125,555	125,605	125,625	125,656	125,806	126,057	126,309	126,560
2022	124,842	124,943	124,982	125,044	125,347	125,852	126,357	126,862
2023	124,106	124,259	124,317	124,411	124,868	125,630	126,392	127,155
2024	123,374	123,578	123,657	123,783	124,397	125,419	126,442	127,465
2025	122,622	122,880	122,979	123,137	123,910	125,197	126,485	127,773
2026	121,848	122,159	122,279	122,471	123,405	124,962	126,519	128,076
2027	121,055	121,421	121,562	121,787	122,886	124,718	126,550	128,381
2028	120,245	120,667	120,830	121,090	122,357	124,469	126,581	128,693
2029	119,419	119,899	120,084	120,379	121,818	124,216	126,614	129,012
2030	118,577	119,115	119,323	119,653	121,268	123,959	126,650	129,341
2031	117,718	118,316	118,546	118,914	120,708	123,699	126,689	129,679
2032	116,841	117,500	117,755	118,160	120,138	123,434	126,730	130,027
2033	115,946	116,668	116,946	117,390	119,555	123,164	126,773	130,382
2034	115,033	115,818	116,121	116,604	118,960	122,888	126,815	130,743
2035	114,101	114,952	115,280	115,802	118,353	122,605	126,857	131,109
2036	113,153	114,069	114,422	114,985	117,734	122,316	126,898	131,479
2037	112,187	113,171	113,550	114,154	117,103	122,019	126,936	131,852
2038	111,207	112,258	112,663	113,309	116,462	121,716	126,971	132,225
2039	110,214	111,333	111,764	112,452	115,810	121,406	127,003	132,599
2040	109,209	110,397	110,855	111,585	115,150	121,091	127,031	132,972
2041	108,194	109,450	109,935	110,707	114,477	120,762	127,048	133,336
2042	107,172	108,496	109,006	109,820	113,794	120,422	127,054	133,690
2043	106,145	107,535	108,071	108,926	113,103	120,073	127,052	134,039
2044	105,114	106,570	107,132	108,028	112,406	119,717	127,045	134,386
2045	104,080	105,602	106,189	107,126	111,704	119,358	127,036	134,735
2046	103,046	104,633	105,245	106,222	111,000	118,996	127,028	135,090
2047	102,011	103,663	104,300	105,316	110,294	118,635	127,024	135,454
2048	100,977	102,692	103,354	104,410	109,587	118,274	127,024	135,830
2049	99,942	101,721	102,408	103,504	108,879	117,914	127,031	136,220
2050	98,907	100,749	101,460	102,596	108,170	117,556	127,046	136,626
2051	97,870	99,775	100,511	101,687	107,460	117,200	127,068	137,048
2052	96,832	98,799	99,559	100,774	106,747	116,844	127,097	137,488
2053	95,790	97,819	98,604	99,858	106,031	116,488	127,132	137,944
2054	94,743	96,834	97,643	98,936	105,309	116,130	127,173	138,416
2055	93,690	95,842	96,676	98,008	104,582	115,770	127,219	138,903
2056	92,630	94,843	95,701	97,073	103,847	115,406	127,268	139,404
2057	91,561	93,836	94,718	96,128	103,104	115,037	127,319	139,919
2058	90,484	92,820	93,725	95,175	102,352	114,663	127,373	140,445
2059	89,398	91,794	92,724	94,212	101,591	114,283	127,427	140,982
2060	88,304	90,760	91,713	93,240	100,821	113,898	127,482	141,530
2061	87,201	89,716	90,693	92,259	100,043	113,507	127,537	142,087
2062	86,090	88,665	89,666	91,270	99,257	113,111	127,593	142,652
2063	84,973	87,608	88,632	90,275	98,465	112,711	127,649	143,226
2064	83,852	86,546	87,593	89,274	97,667	112,307	127,706	143,808
2065	82,728	85,480	86,551	88,271	96,866	111,900	127,764	144,398
2066	81,604	84,414	85,508	87,266	96,062	111,493	127,824	144,994
2067	80,482	83,349	84,466	86,261	95,259	111,085	127,887	145,598
2068	79,364	82,288	83,428	85,260	94,457	110,679	127,952	146,208
2069	78,252	81,233	82,396	84,265	93,660	110,276	128,022	146,826
2070	77,151	80,187	81,371	83,277	92,869	109,878	128,096	147,451
2120	36,208	40,072	41,632	44,202	58,268	87,797	125,778	173,103

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

Conditional projection table 4 Proportion of population aged 65 and over : International Migration Conditions (2040)Number of net migrants of non-Japanese origin, 0, 50,000, 69,000, 100,000, 250,000, 500,000, 750,000, 1,000,000

(%)

Year	Number of net migrants of non-Japanese origin (2040)							
	0	50,000	69,000	100,000	250,000	500,000	750,000	1,000,000
2020	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2021	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.6
2022	29.1	29.0	29.0	29.0	28.9	28.8	28.7	28.6
2023	29.3	29.3	29.2	29.2	29.1	28.9	28.7	28.6
2024	29.6	29.5	29.5	29.5	29.3	29.1	28.8	28.6
2025	29.8	29.7	29.7	29.7	29.5	29.2	28.9	28.6
2026	30.0	29.9	29.9	29.9	29.6	29.2	28.9	28.5
2027	30.2	30.2	30.1	30.1	29.8	29.3	28.9	28.5
2028	30.5	30.4	30.4	30.3	30.0	29.4	28.9	28.4
2029	30.8	30.7	30.6	30.6	30.2	29.6	29.0	28.4
2030	31.2	31.0	31.0	30.9	30.5	29.8	29.1	28.5
2031	31.3	31.1	31.1	31.0	30.5	29.7	29.0	28.3
2032	31.7	31.5	31.5	31.3	30.8	30.0	29.1	28.4
2033	32.1	31.9	31.9	31.7	31.1	30.2	29.3	28.4
2034	32.6	32.4	32.3	32.2	31.5	30.4	29.5	28.5
2035	33.1	32.8	32.7	32.6	31.9	30.7	29.6	28.6
2036	33.6	33.4	33.3	33.1	32.3	31.0	29.8	28.8
2037	34.2	33.9	33.8	33.6	32.7	31.4	30.1	28.9
2038	34.9	34.5	34.4	34.2	33.2	31.7	30.4	29.1
2039	35.5	35.1	35.0	34.8	33.7	32.1	30.6	29.3
2040	36.0	35.6	35.5	35.2	34.1	32.3	30.8	29.3
2041	36.5	36.1	35.9	35.6	34.4	32.5	30.9	29.3
2042	36.9	36.4	36.3	36.0	34.7	32.7	30.9	29.3
2043	37.3	36.8	36.6	36.3	34.9	32.8	30.9	29.2
2044	37.6	37.1	36.9	36.6	35.1	32.9	30.9	29.1
2045	38.0	37.4	37.2	36.9	35.3	32.9	30.9	29.0
2046	38.2	37.6	37.4	37.1	35.4	32.9	30.8	28.8
2047	38.5	37.9	37.7	37.3	35.5	32.9	30.7	28.7
2048	38.8	38.2	37.9	37.5	35.7	33.0	30.6	28.5
2049	39.1	38.4	38.1	37.7	35.8	33.0	30.5	28.4
2050	39.4	38.6	38.4	37.9	35.9	32.9	30.4	28.2
2051	39.6	38.8	38.5	38.1	36.0	32.9	30.3	28.0
2052	39.8	39.0	38.7	38.2	36.0	32.8	30.1	27.8
2053	40.0	39.2	38.9	38.4	36.1	32.8	29.9	27.5
2054	40.2	39.3	39.0	38.5	36.1	32.7	29.8	27.3
2055	40.4	39.5	39.1	38.6	36.1	32.6	29.6	27.0
2056	40.5	39.6	39.2	38.7	36.1	32.4	29.4	26.8
2057	40.7	39.7	39.3	38.7	36.1	32.3	29.2	26.6
2058	40.8	39.8	39.4	38.8	36.1	32.2	29.0	26.3
2059	41.0	40.0	39.6	39.0	36.2	32.2	28.9	26.2
2060	41.2	40.1	39.7	39.1	36.2	32.1	28.8	26.0
2061	41.4	40.3	39.9	39.2	36.3	32.1	28.7	25.9
2062	41.6	40.5	40.0	39.4	36.3	32.1	28.6	25.8
2063	41.8	40.6	40.2	39.5	36.4	32.1	28.6	25.8
2064	41.9	40.8	40.3	39.6	36.5	32.2	28.6	25.8
2065	42.1	40.9	40.5	39.8	36.6	32.2	28.7	25.8
2066	42.2	41.0	40.6	39.9	36.7	32.3	28.8	25.9
2067	42.3	41.1	40.7	40.0	36.8	32.5	29.0	26.1
2068	42.4	41.2	40.7	40.0	36.9	32.6	29.1	26.3
2069	42.4	41.2	40.8	40.1	37.0	32.7	29.2	26.4
2070	42.5	41.3	40.8	40.1	37.0	32.8	29.4	26.6
2120	43.3	42.4	42.0	41.5	39.0	35.4	32.2	29.5

Total population as of October 1 of each year. Total population includdes foreigners in Japan.Figures for 2020 are based on 2020 Census Reference Table: Result with Imputation (by age, nationality ("Japanese" or Foreigner) and marital status),Statistics Bureau, Ministry of Internal Affairs and Communications.

≪Appendix≫

Appendix Table 1 Total population, population by the major three age groups (under 15, 15-64, and 65 and over) and age composition: 1950-2020

Year	Population (thousands)					Parcentage		
	Total (Revised value) [1]	Age groups (Report for each year) [2]						
		Total	0-14	15-64	65 +	0-14	15-64	65 +
1950	83,200 *	83,200 *	29,428	49,658	4,109	35.4	59.7	4.9
1951	84,541	84,573	29,662	50,734	4,177	35.1	60.0	4.9
1952	85,808	85,852	29,700	51,845	4,306	34.6	60.4	5.0
1953	86,981	87,033	29,752	52,854	4,428	34.2	60.7	5.1
1954	88,239	88,293	29,888	53,805	4,600	33.9	60.9	5.2
1955	89,276 *	89,276 *	29,798	54,729	4,747	33.4	61.3	5.3
1956	90,172	90,259	29,414	56,002	4,843	32.6	62.0	5.4
1957	90,928	91,088	28,909	57,241	4,938	31.7	62.8	5.4
1958	91,767	92,010	28,513	58,433	5,065	31.0	63.5	5.5
1959	92,641	92,971	28,105	59,657	5,209	30.2	64.2	5.6
1960	93,419 *	93,419 *	28,067	60,002	5,350	30.0	64.2	5.7
1961	94,287	94,285	28,067	60,715	5,503	29.8	64.4	5.8
1962	95,181	95,178	27,274	62,261	5,642	28.7	65.4	5.9
1963	96,156	96,156	26,416	63,903	5,836	27.5	66.5	6.1
1964	97,182	97,186	25,590	65,580	6,016	26.3	67.5	6.2
1965	98,275 *	98,275 *	25,166	66,928	6,181	25.6	68.1	6.3
1966	99,036	99,054	24,521	68,112	6,420	24.8	68.8	6.5
1967	100,196	100,243	24,416	69,161	6,666	24.4	69.0	6.6
1968	101,331	101,408	24,422	70,086	6,899	24.1	69.1	6.8
1969	102,536	102,648	24,601	70,938	7,109	24.0	69.1	6.9
1970	103,720 *	103,720 *	24,823	71,566	7,331	23.9	69.0	7.1
1971	105,145	105,014	25,169	72,321	7,524	24.0	68.9	7.2
1972	107,595	107,332	25,970	73,483	7,879	24.2	68.5	7.3
1973	109,104	108,710	26,447	74,104	8,160	24.3	68.2	7.5
1974	110,573	110,049	26,850	74,742	8,457	24.4	67.9	7.7
1975	111,940 *	111,940 *	27,221	75,807	8,865	24.3	67.7	7.9
1976	113,094	113,089	27,492	76,395	9,201	24.3	67.6	8.1
1977	114,165	114,154	27,649	76,944	9,561	24.2	67.4	8.4
1978	115,190	115,174	27,708	77,545	9,921	24.1	67.3	8.6
1979	116,155	116,133	27,664	78,161	10,309	23.8	67.3	8.9
1980	117,060 *	117,060 *	27,507	78,835	10,647	23.5	67.4	9.1
1981	117,902	117,884	27,603	79,272	11,009	23.4	67.2	9.3
1982	118,728	118,693	27,254	80,089	11,350	23.0	67.5	9.6
1983	119,536	119,483	26,907	80,904	11,672	22.5	67.7	9.8
1984	120,305	120,235	26,504	81,776	11,956	22.0	68.0	9.9
1985	121,049 *	121,049 *	26,033	82,506	12,468	21.5	68.2	10.3
1986	121,660	121,672	25,434	83,368	12,870	20.9	68.5	10.6
1987	122,239	122,264	24,753	84,189	13,322	20.2	68.9	10.9
1988	122,745	122,783	23,985	85,013	13,785	19.5	69.2	11.2
1989	123,205	123,255	23,201	85,745	14,309	18.8	69.6	11.6
1990	123,611 *	123,611 *	22,486	85,904	14,895	18.2	69.7	12.1
1991	124,101	124,043	21,904	86,557	15,582	17.7	69.8	12.6
1992	124,567	124,452	21,364	86,845	16,242	17.2	69.8	13.1
1993	124,938	124,764	20,841	87,023	16,900	16.7	69.8	13.5
1994	125,265	125,034	20,415	87,034	17,585	16.3	69.6	14.1
1995	125,570 *	125,570 *	20,014	87,165	18,261	16.0	69.5	14.6
1996	125,859	125,864	19,686	87,161	19,017	15.6	69.3	15.1
1997	126,157	126,166	19,366	87,042	19,758	15.3	69.0	15.7
1998	126,472	126,486	19,059	86,920	20,508	15.1	68.7	16.2
1999	126,667	126,686	18,742	86,758	21,186	14.8	68.5	16.7
2000	126,926 *	126,926 *	18,472	86,220	22,005	14.6	68.1	17.4
2001	127,316	127,291	18,283	86,139	22,869	14.4	67.7	18.0
2002	127,486	127,435	18,102	85,706	23,628	14.2	67.3	18.5
2003	127,694	127,619	17,905	85,404	24,311	14.0	66.9	19.0
2004	127,787	127,687	17,734	85,077	24,876	13.9	66.6	19.5
2005	127,768 *	127,768 *	17,521	84,092	25,672	13.8	66.1	20.2
2006	127,901	127,770	17,435	83,731	26,604	13.6	65.5	20.8
2007	128,033	127,771	17,293	83,015	27,464	13.5	65.0	21.5
2008	128,084	127,692	17,176	82,300	28,216	13.5	64.5	22.1
2009	128,032	127,510	17,011	81,493	29,005	13.3	63.9	22.7
2010	128,057 *	128,057 *	16,803	81,032	29,246	13.1	63.8	23.0
2011	127,834	127,799	16,705	81,342	29,752	13.1	63.6	23.3
2012	127,593	127,515	16,547	80,175	30,793	13.0	62.9	24.1
2013	127,414	127,298	16,390	79,010	31,898	12.9	62.1	25.1
2014	127,237	127,083	16,233	77,850	33,000	12.8	61.3	26.0
2015	127,095 *	127,095 *	15,887	76,289	33,465	12.5	60.8	26.6
2016	127,042	127,042	15,809	76,673	34,560	12.4	60.4	27.2
2017	126,919	126,919	15,641	76,190	35,087	12.3	60.0	27.6
2018	126,749	126,749	15,473	75,796	35,479	12.2	59.8	28.0
2019	126,555	126,555	15,259	75,542	35,754	12.1	59.7	28.3
2020	126,146 *	126,146 *	14,956	72,923	35,336	11.9	59.5	28.6

Figures are based on the results of Population Census(*) and Population Estimates by Statistics Bureau, Ministry of Internal Affairs and Communications. Population as of October 1 of each year. Total population includes the population with unknown age, and the percentage is calculated from the population adjusted proportionally for the population with unknown age. Population of Okinawa Prefecture is not include before 1971.
1)Figures are based on "Population Estimates Monthly Report: Revised Figures Special Edition"and "Population Estimates: Interpolated Corrected Population Base on the Result of the Census", etc.
2)Based on "Population Estimates" of each year. The Figures for 1951-1964 are based on the revised Population Estimates for Japan. Figures for 1971 are revised. Figures for 2016 to 2019 are based on interpolation-corrected population.