

SF1.4: Population by age of children and young adults, and youth dependency ratio

Definitions and methodology

This indicator presents information on child and young adult populations through three main measures:

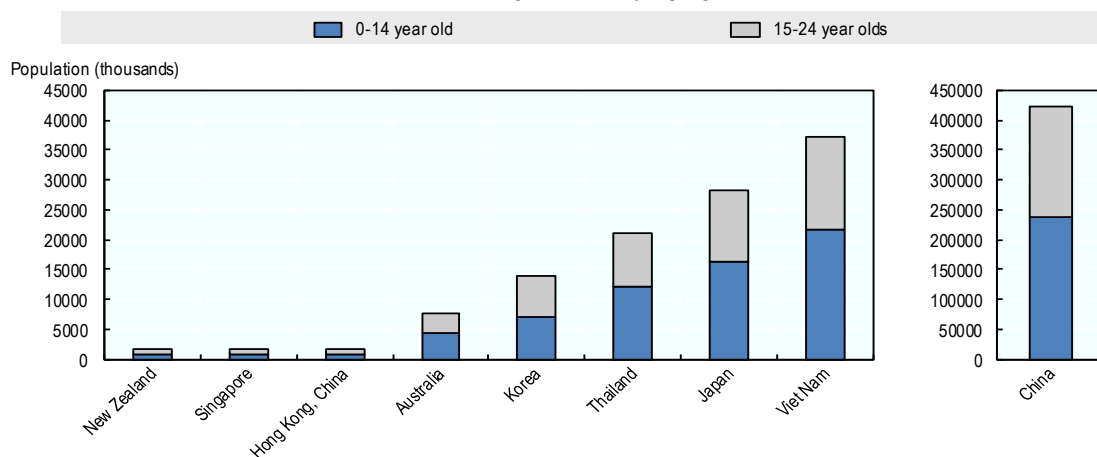
- The *estimated population aged 0-24*, also further disaggregated into the estimated population aged 0-14, and the estimated population aged 15-24.
- The *distribution of children and young adults aged 0-24*, by five-year age groups
- The *youth dependency ratio*, defined as the number of children and young people (aged 0-20) per one hundred people of working age (aged 20-64), and calculated as: $(\text{number of people aged less than 20}) / (\text{number of people aged 20-64}) * 100$. The youth dependency ratio is used here to capture the number of young persons that are likely to be "dependent" on the support of others for their daily living to the number of those who are capable of providing such support. It is presented both for past (1950-2015) and future years (2016-2050), with the data for future years based on the UN Population Division's 'medium fertility variant' population projections.

Data in all cases are taken from the United Nations Population Division World Population Prospects database (2015 revision).

Key findings

Child and young adult populations vary considerably across Asia/Pacific countries, reflecting in large part variations in overall population sizes but also differences in trends and levels of fertility (see Indicator SF2.1). Among the nine Asia/Pacific countries covered here, New Zealand, Singapore and Hong Kong have the fewest number of children and young adults, at roughly 1.5 million. Unsurprisingly, China has the largest child and young adult population, at just over 422 million.

Chart SF1.4.A. Child and young adult population, 2015
 Estimated population aged 0-24, by age group, thousands

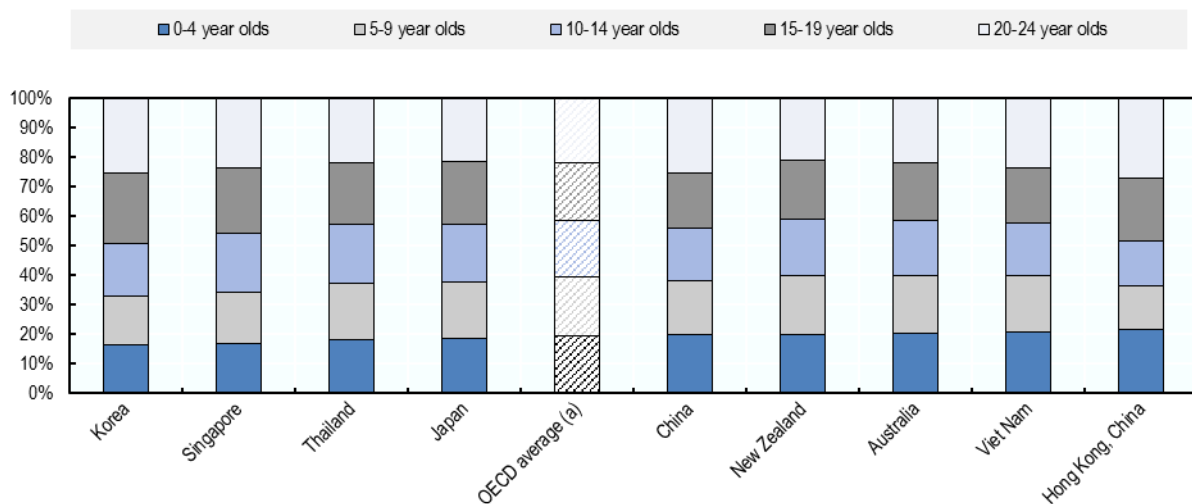


Other relevant indicators: SF2.1 Fertility rates; SF2.3 Age of mothers at childbirth and age-specific fertility

Sources: [United Nations Population Division World Population Prospects, the 2015 Revision](#)

In many Asia/Pacific countries, as also in many OECD countries, younger child cohorts tend to be slightly smaller than older cohorts. Chart SF1.4.B shows the distribution of the child and young adult population by five-year age group for each Asia/Pacific country, plus also the average for OECD countries. For all covered Asia/Pacific countries the largest five-year age group is the 20-24 year-old age group, while in most the smallest age group is either the 0-4 year-old age group or the 5-9 year-old group. Hong Kong, however, is the exception – while both the 5-9 year-old and 10-14 year-old populations are very small at roughly 15% of the overall child and young adult population, the 0-4 year-old cohort in Hong Kong is comparatively large at just less than 22%.

Chart SF1.4.B. Age distribution of children and young adults, 2015
 Distribution (%) of the estimated population aged 0-24 by five year age group



a) The OECD average refers to the unweighted average across the 35 OECD member countries. The reference year is 2015. See OECD Family Database Indicator SF1.4 (<http://www.oecd.org/els/family/database.htm>) for more detail.

Sources: [United Nations Population Division World Population Prospects, the 2015 Revision](#); [OECD average: OECD Family Database Indicator SF1.4](#)

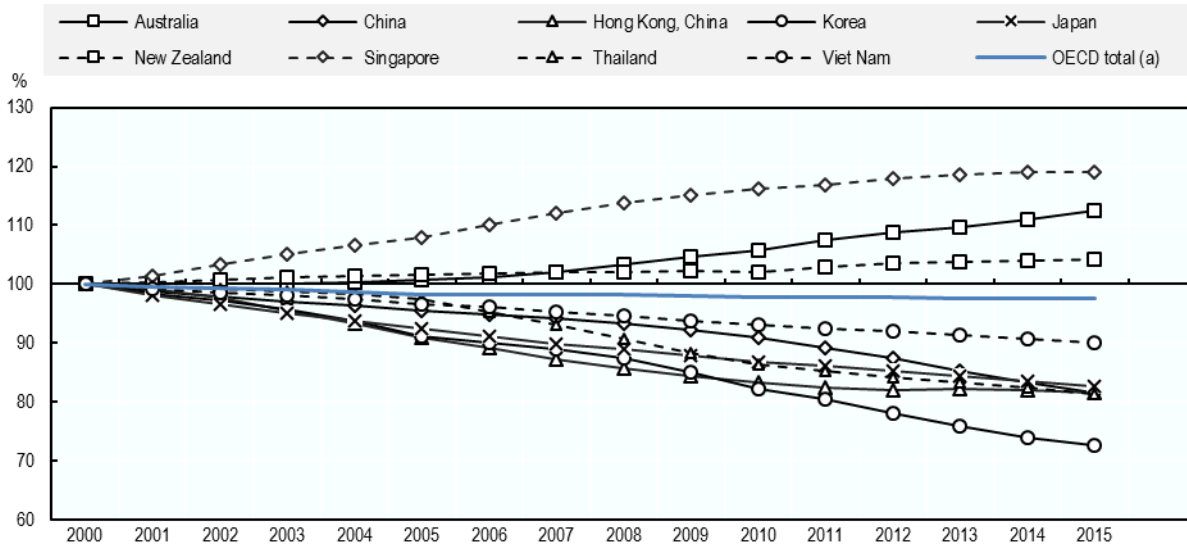
Persistently low fertility (see Indicator SF2.1) means that the child (0-14 year-old) population has been falling in recent years in most of the covered Asia/Pacific countries (Chart SF1.4.C). In China, Hong Kong, Japan and Thailand, the current 0-14 year-old population is about 20% smaller than it was in the year 2000, while in Korea the decline is as large as almost 30%. This is an exaggerated version of a trend also seen in many OECD countries, with the OECD total child population declining by about 2.5% since 2000. However, in Australia, New Zealand and Singapore the child population has actually increased slightly in recent years. In Singapore, the current child population is almost 20% larger than it was in 2000.

Youth dependency ratios have also been falling in Asia/Pacific countries in recent years (Chart SF1.4.D). Vietnam has the highest current youth dependency ratio among the covered Asia/Pacific countries (48.7 children and young people per one hundred people of working age), and Hong Kong the lowest (24.9 children and young people per one hundred people of working age), but in all covered countries the current ratio is well below that in 1990. Declines since 1990 are largest in China (37.7 points), Thailand (38.6 points) and Viet Nam (55.2 points). In most Asia/Pacific countries youth dependency ratios are expected to

stabilise over the next few decades, and in some (Australia, Hong Kong, Korea, and Japan) could perhaps even increase slightly (Chart SF1.4.E).

Chart SF1.4.C. Trends in the child population

Population index (base 2000 = 100) for the population aged 0-14, 2000-2015

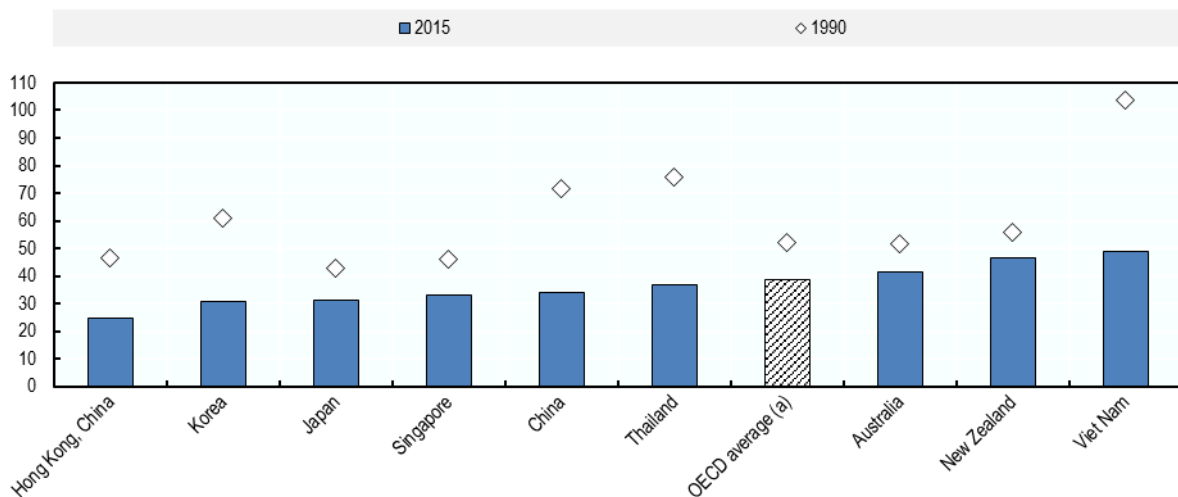


a) The OECD total refers to the total across the 35 OECD member countries. See OECD Family Database Indicator SF1.4 (<http://www.oecd.org/els/family/database.htm>) for more detail.

Sources: [United Nations Population Division World Population Prospects, the 2015 Revision](#); OECD total: OECD Family Database Indicator SF1.4

Chart SF1.4.D. Youth dependency ratio, 1990 and 2015

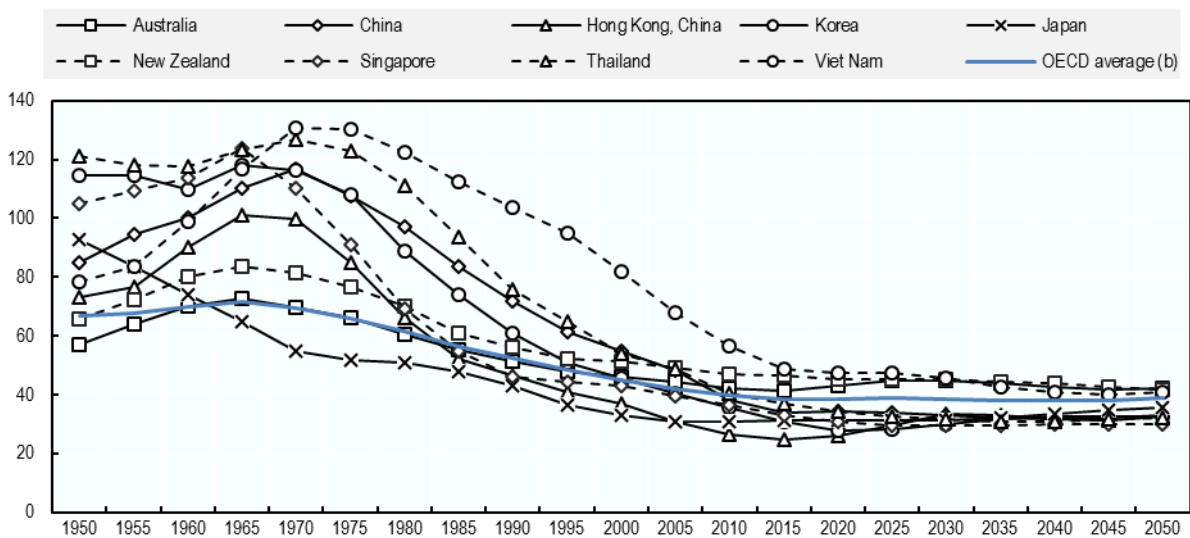
Estimated number of children and young people (aged 0-20) per one hundred people of working age (aged 20-64)



a) The OECD average refers to the unweighted average across the 35 OECD member countries. See OECD Family Database Indicator SF1.4 (<http://www.oecd.org/els/family/database.htm>) for more detail.

Sources: [United Nations Population Division World Population Prospects, the 2015 Revision](#); OECD average: OECD Family Database Indicator SF1.4

Chart SF1.4.E. Estimated (1950-2015) and projected (2016-2050) youth dependency ratios
 Estimated and projected number of children and young people (aged 0-20) per one hundred people of working age (aged 20-64)



a) Data for the years 2016-2050 are based on the UN Population Division's 'medium fertility variant' population projections. See the United Nations Population Division World Population Prospects webpage (<https://esa.un.org/unpd/wpp/>) for more information on the methods and assumptions used to produce these projections.

b) The OECD average refers to the unweighted average across the 35 OECD member countries. See OECD Family Database Indicator SF1.4 (<http://www.oecd.org/els/family/database.htm>) for more detail.

Sources: [United Nations Population Division World Population Prospects, the 2015 Revision](#); OECD average: [OECD Family Database Indicator SF1.4](#)

Comparability and data issues

All data presented in this indicator are taken from the United Nations Population Division World Population Prospects database (2015 revision). To ensure comparability, the United Nations Population Division employs (as far as is possible) a single, consistent, and internationally accepted method for its estimates for all countries. Detailed information on the methods and assumptions used by the United Nations Population Division when producing both its estimates of past populations and its projections of future populations can be found on the United Nations Population Division World Population Prospects webpage (<https://esa.un.org/unpd/wpp/>) and in [United Nations \(2015\) World Population Prospects: The 2015 Revision, Methodology of the United Nations Population Estimates and Projections](#).

Sources and further reading: United Nations, Department of Economic and Social Affairs, Population Division (2015), *World Population Prospects: The 2015 Revision, Key Findings and Advance Tables*, Working Paper No. ESA/P/WP.241. United Nations, Department of Economic and Social Affairs, Population Division (2015), *World Population Prospects: The 2015 Revision, Methodology of the United Nations Population Estimates and Projections*, Working Paper No. ESA/P/WP.242.