

What is Age-Specific Fertility Rate (ASFR)?

Age-specific fertility rate (ASFR) is the number of live-births born to females of a specific age group, out of every 1,000 females in the same age group.

For example, for females aged 25-29 years, the ASFR is calculated by

No. of live births born to females aged 25-29 years

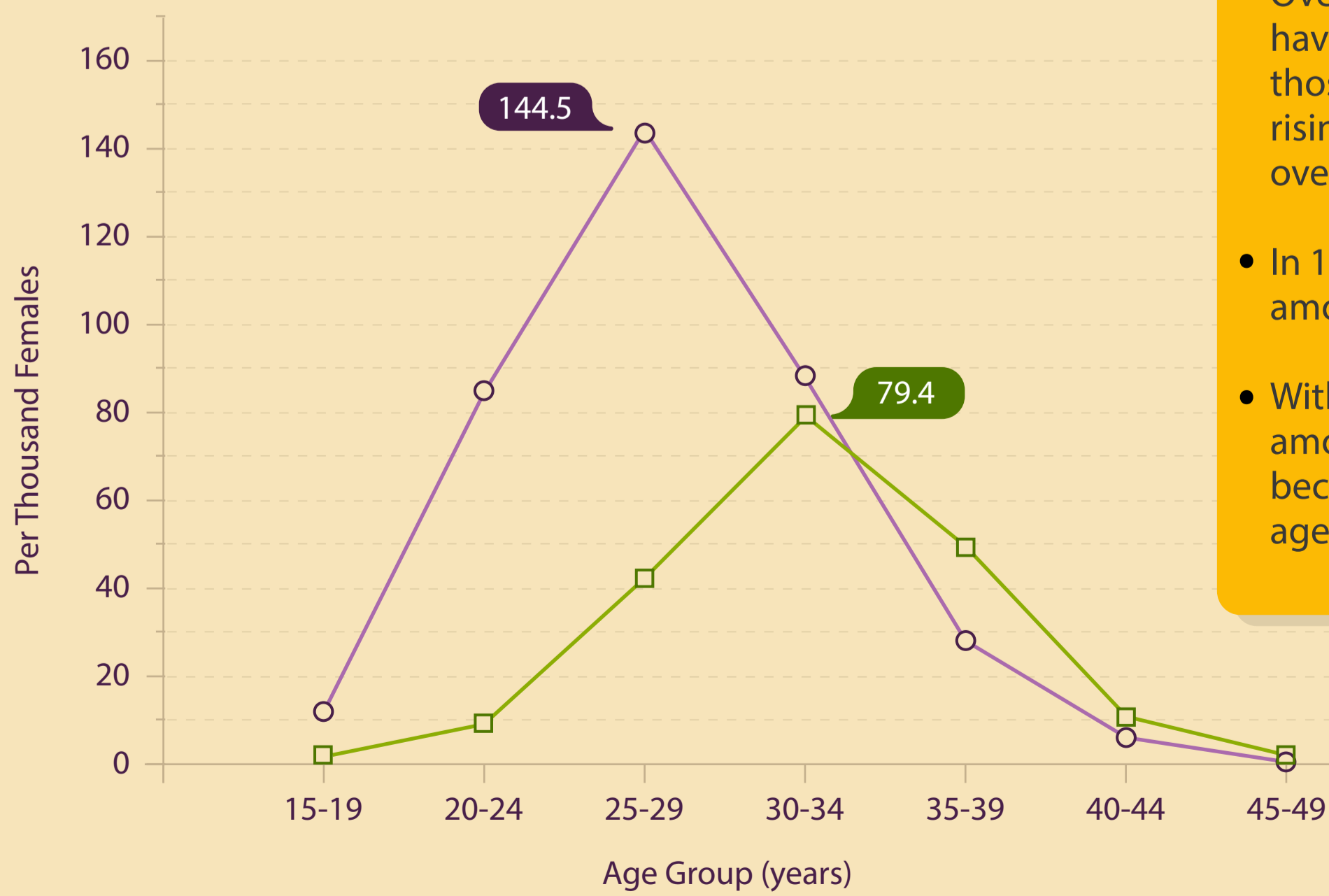
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No. of Females Aged 25-29 Years

×

1,000 Females

Resident Age-Specific Fertility Rates, 1980 & 2024^P



- Over the years, the resident ASFRs have been gradually declining for those aged below 35 years, while rising for those aged 35 years and over.
- In 1980, fertility rates were highest among females aged 25-29 years.
- With the delay in childbirth among females, fertility rates have become highest among females aged 30-34 years instead.

| | | | | | | | |
|---------------------|------|------|-------|------|------|------|-----|
| ○ 1980 | 12.7 | 84.9 | 144.5 | 87.8 | 28.0 | 5.8 | 0.5 |
| ■ 2024 ^P | 2.3 | 9.9 | 42.6 | 79.4 | 49.9 | 10.1 | 0.7 |

^P: Preliminary

What is Total Fertility Rate (TFR)?

Total fertility rate (TFR) refers to the average number of live-births each female would have during her reproductive years (i.e., age 15-49 years) if she were subject to the prevailing ASFRs in the population in the given year. Mathematically, TFR is 5 times the sum of the average number of live-births per female across 5-year age groups (i.e., ASFR), over the female reproductive ages for the reference period.

Computation of 2024^P Resident TFR

| Age Group (Years) | No. of live-births per 1,000 females |
|-------------------|--------------------------------------|
| 15-19 | 2.3 |
| 20-24 | 9.9 |
| 25-29 | 42.6 |
| 30-34 | 79.4 |
| 35-39 | 49.9 |
| 40-44 | 10.1 |
| 45-49 | 0.7 |

Sum of ASFRs by 5-Yearly Age Groups
= 194.9

$$\times 5 \div 1,000 = 0.97 \text{ live-births per female}$$

This means each female would have **0.97** live-births on average throughout her reproductive years based on 2024 birth trends.

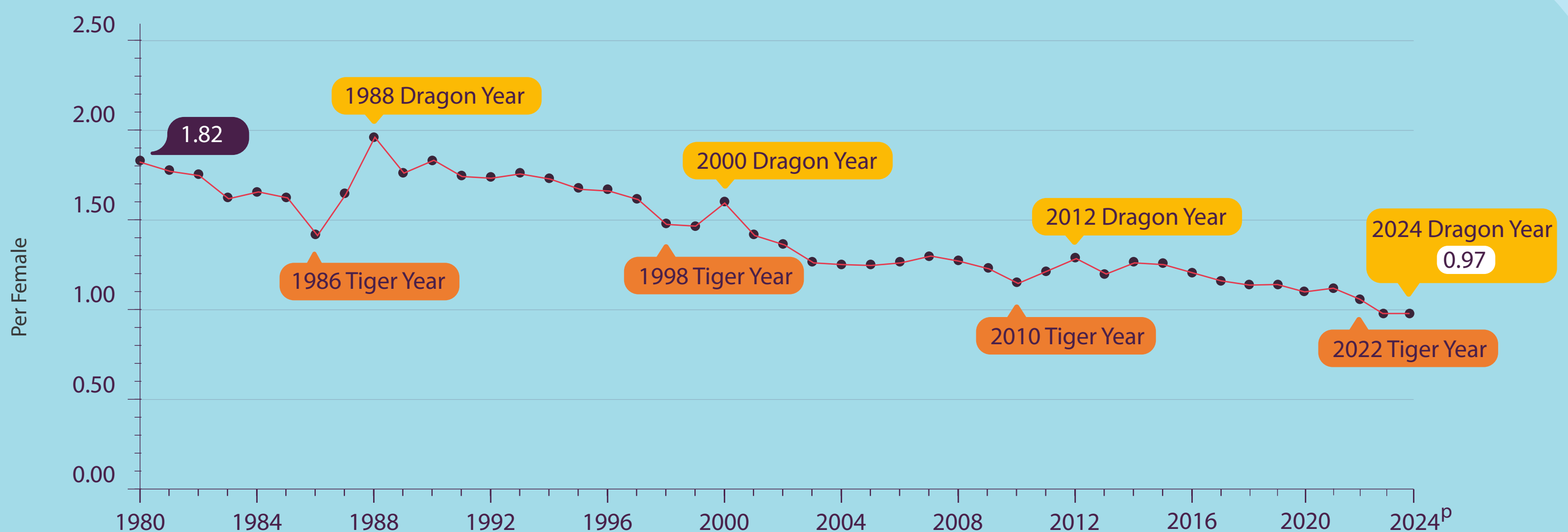
Do You Know?

The TFR is a standard demographic indicator used internationally, by countries, international organisations, demographers and academia to measure fertility within a population

^P: Preliminary

Note: Dividing by 1,000 is required since the ASFRs are expressed as per thousand females while the TFR is expressed as per female.

Resident Total Fertility Rate, 1980 – 2024^P



^P: Preliminary



The resident TFR has been gradually declining over the past decades, similar to the experience in many developed societies.