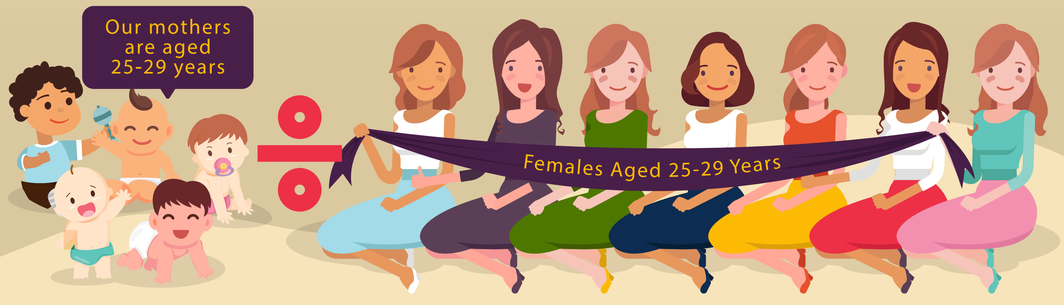
UNDERSTANDING

AGE-SPECIFIC FERTILITY RATE & TOTAL FERTILITY RATE

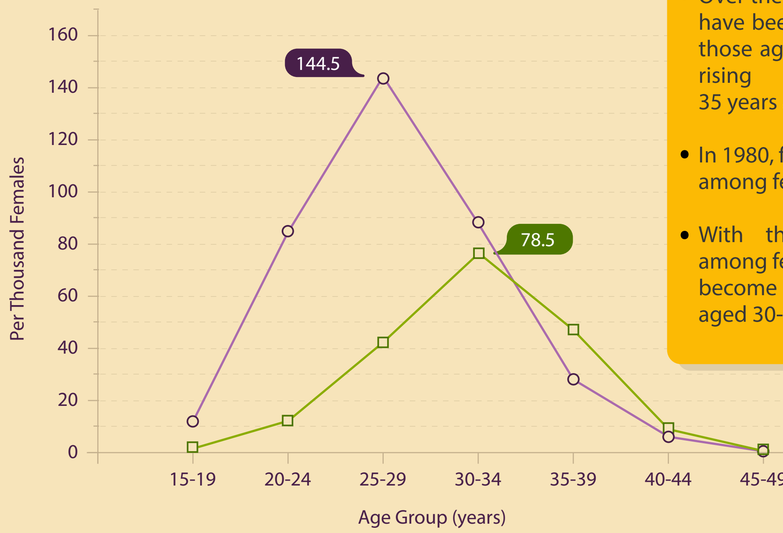
AGE-SPECIFIC FERTILITY RATE

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

Illustration for computation of ASFR for 25-29 years



Resident Age-Specific Fertility Rates, 1980 & 2023[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.

	15-19	20-24	25-29	30-34	35-39	40-44	45-49
○ 1980	12.7	84.9	144.5	87.8	28.0	5.8	0.5
□ 2023[P]	2.2	10.5	43.7	78.5	47.9	9.7	0.6

[P]: Preliminary

TOTAL FERTILITY RATE

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

Illustration for computation of 2023[p] TFR using ASFRs

Age Group (Years)	Per Thousand Females
15-19	2.2
20-24	10.5
25-29	43.7
30-34	78.5
35-39	47.9
40-44	9.7
45-49	0.6

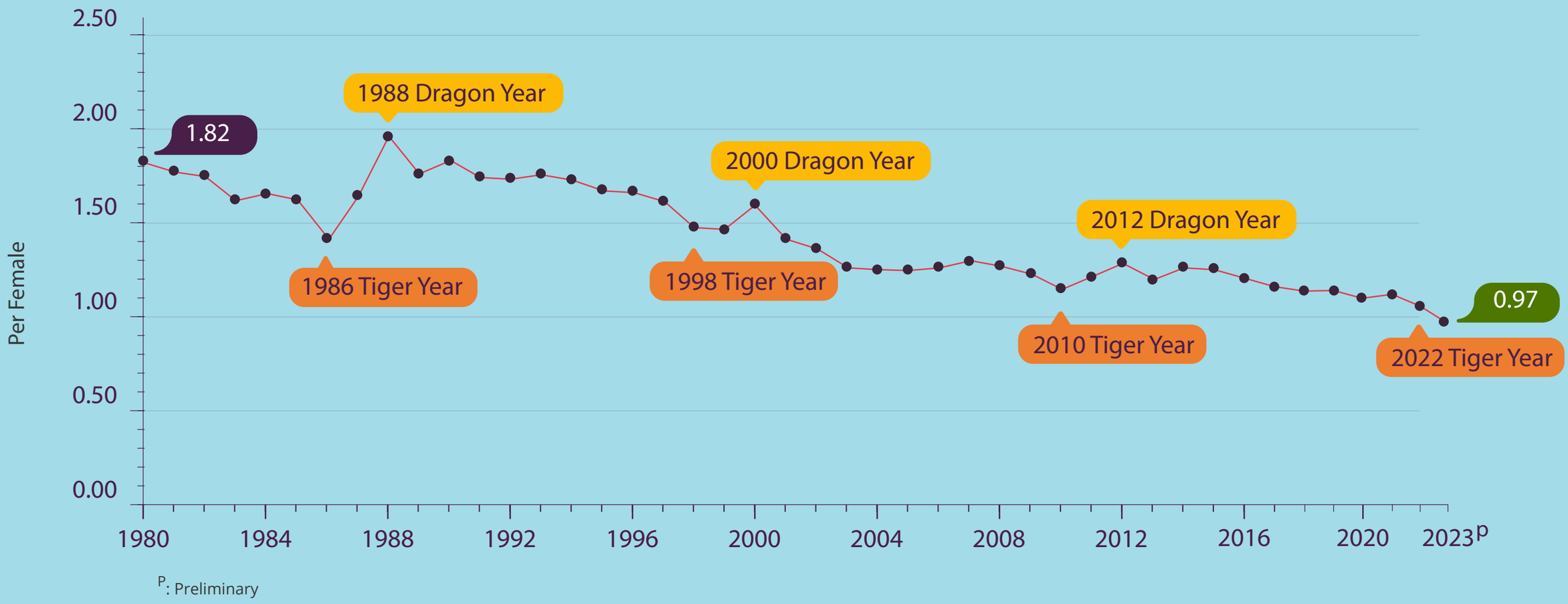
Sum of ASFRs by 5-Yearly Age Groups = 193.1

× 5 ÷ 1,000 = 0.97 Per Female

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



P: Preliminary

The resident TFR has been gradually declining over the past decades (similar to the experience in many developed societies) and is at 0.97 for 2023.

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