

Period Total Fertility Rate:

$$TFR_t = \sum_{a=14}^{44} BR_{t,a} \times 1000$$

Age specific birth rate defined as:

$BR_{t,a}$ = Number of birth during period t by women of age a /Total number of women age a .

Cohort Total Fertility Rate:

$$TFR_C = \sum_{i=14}^{44} BR_{c+i,i} \times 1000$$

Property of Period total fertility rate: Measures the total number of birth of a representative women realized the age specific fertility rate that prevailed in the particular year t .

Mean Age of Fertility:

$$A_c = \frac{\sum_{a=15}^{44} a \cdot BR_{c+a,a}}{\sum_a BR_{c+a,a}}$$