

# **Determinants of Population Growth**

**FERTILITY**

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# Determinants of Population Growth

- Population Growth =  
(Births- deaths) + net  
migration (In-migration  
– out-migration)
- Fertility,
- Mortality and
- Migration

# INTRODUCTION

- The Birth Rate, Death Rate and Migration are the three important determinants of population growth.
- In the process of population growth, even though fertility is a process of physiology, socio-economic conditions of any country can be known from the birth rate information of that country.
- In the same way, death rate too, plays an important role as the determining factor of population growth

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# FERTILITY & FECUNDITY

- **Fertility** is the average number of children that would be born to a woman, if she experiences the current fertility pattern in her lifetime.
- According to Thomson and Lewis, “ *Fertility is generally used to indicate the actual reproductive performance of a woman or groups of women* ”.
- **Fecundity** is the physiological capacity of a woman to conceive and produce a live child.

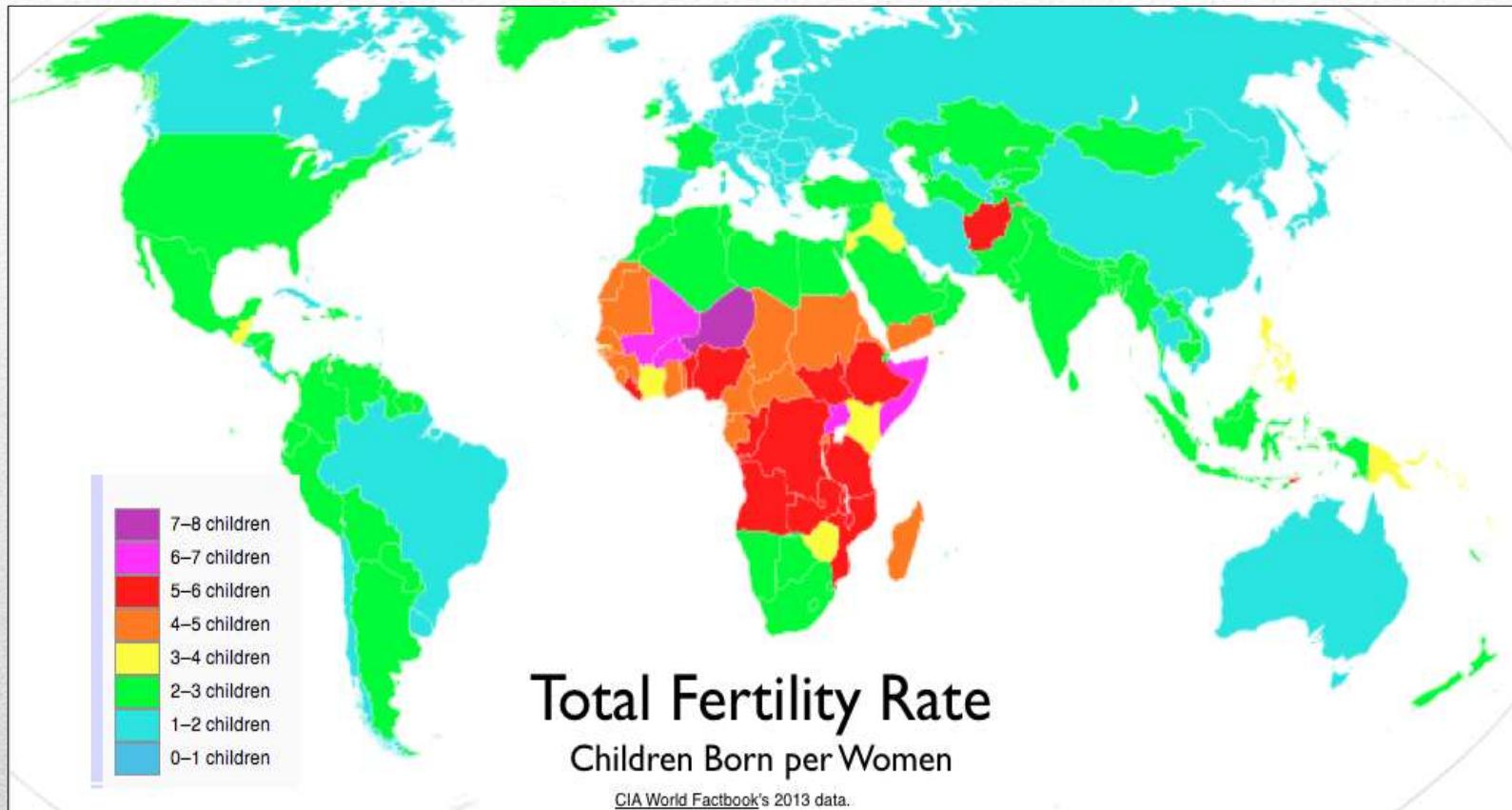
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# MEASURES OF FERTILITY

1. Crude Birth Rate (CBR)
2. Corrected Birth Rate
3. General Fertility Rate (GFR)
4. Age Specific Fertility Rate (ASFR)
5. Total Fertility Rate (TFR)
6. Gross Reproduction Rate (GRR)
7. Net Reproduction Rate (NRR)
8. Child Woman Ratio (CWR)

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# WORLD FERTILITY PATTERN



# TOTAL FERTILITY RATE ACROSS THE WORLD

# FERTILITY PATTERN IN INDIA

## A POSITIVE DECLINE

AT THE CURRENT FALLING RATES OF FERTILITY, INDIA CAN ACHIEVE ITS DEMOGRAPHIC TRANSITION BY 2020, SAYS EXPERT



Source: Sample Registration Survey 2013

# FACTORS AFFECTING FERTILITY

- BIOLOGICAL FACTORS
  - Age –
    - Menarche to Menopause
  - Sex
    - Number of girls/women in the reproductive age groups

# FACTORS AFFECTING FERTILITY

- PHYSIOLOGICAL FACTORS:
  - ❑ Adolescent Sterility
  - ❑ Temporary Sterility
  - ❑ Primary Sterility
  - ❑ Secondary Sterility



# FACTORS AFFECTING FERTILITY

- SOCIAL FACTORS:
  - ❑ Religion
  - ❑ Caste System (India)
  - ❑ Racial Groups
  - ❑ Customs
  - ❑ Family System
  - ❑ Education
  - ❑ Status of women

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# FACTORS AFFECTING FERTILITY

- ECONOMIC FACTORS:
  - Urbanization
  - Occupation
  - Economic Condition
- FAMILY PLANNING

# GLIMPSES OF FERTILITY- TREND AND PATTERN

