Department of Statistics Malaysia

NEWSLETTER

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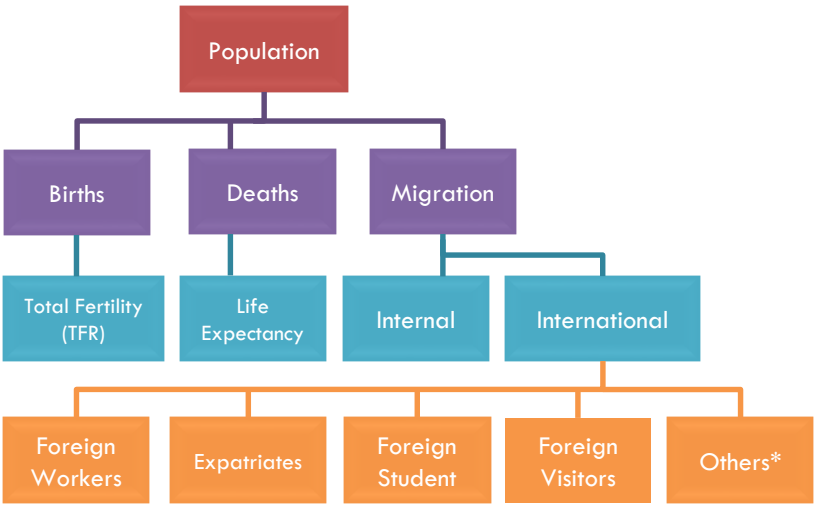
DOSM/BPPD/1.2019/Series 2

POPULATION AT A GLANCE

Population is the number of people in a city or town, region, country or world; population is usually determined by a process called census (a process of collecting, analysing, compiling and publishing data).

Reference:
Principles and Recommendations for Population and Housing Censuses, Revision 2, United Nation

1. Population Change Component



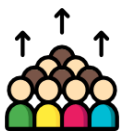
Note:
* Includes permanent residents, temporary residents, families to foreign workers, expatriates and foreign students.

2. Types of Population Data

Population and Housing Census

Collect information and demographic characteristics of the population and information on housing census. Conducted every 10 years since the formation of Malaysia in 1963.

Population Projection



Population projection is generated for the purpose of long-term planning. The cohort component method is used which consists of births, deaths and net migration and prepared every 10 years for 30 years series.

Intercensal Population Estimate

Intercensal estimate is an estimate of revised population between two census once the official census counts are available.

Current Population Estimate

For the years that census are not conducted, the current population estimates is generated based on the current information on births and deaths obtained from the National Registration Department, international migration information from the Immigration Department of Malaysia and internal migration data from DOSM Migration Survey.

3. Methodology

The Cohort Component Method is used where the population is updated based on the event of births, death and migration (internal and international)

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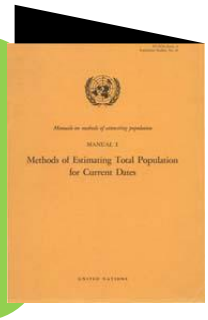
Manual I: Methods of Estimating Total Population for Current Dates, UNSD (1952)



4. Basic Formula

The basic formula of cohort component method:

$$P_t = P_{t-1} + B_t - D_t + M_t$$

where;

P_t = population at time t;
P_{t-1} = population at time t-1;
B_t = births at time t;
D_t = deaths at time t; and
M_t = net migration at time t.

POPULATION

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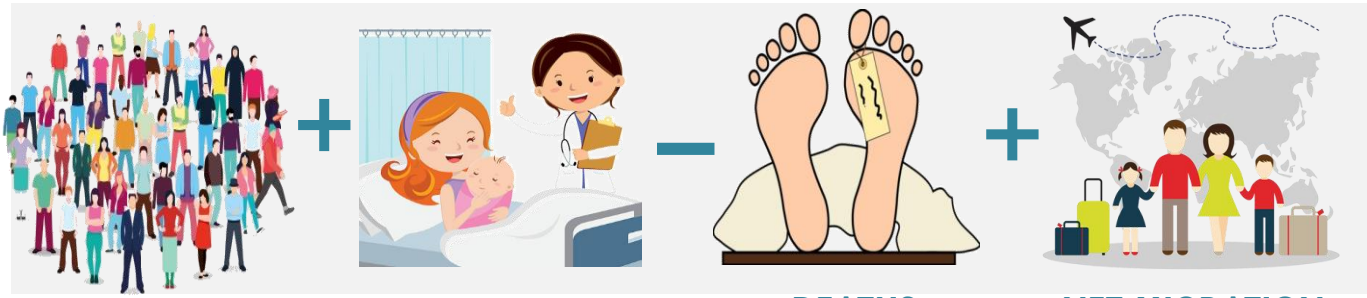

POPULATION + BIRTHS − DEATHS + NET MIGRATION

- This data is provided by state, single age, ethnic group and sex.
- The approach used is **bottom-up**, in which population were first estimated at state level.
- The total population for Malaysia is the sum of population estimates of all the states.

5. Source of Data

Department of Statistics Malaysia

Base Population

Department of Statistics Malaysia (Migration Survey)

Internal Migration

Birth & Death

National Registration Department

International Migration

- Ministry of Home Affair
- Ministry of Education
- Immigration Department
- National Registration

6. Use of Data

1. Uses for policymaking, planning and administrative purposes
2. Uses for research purposes
3. Input to SDG 2030 Agenda
4. Distribution of Natural Resources

7. Data Users

Internal

- Manpower and Social Statistics Division
- National Account Statistics Division
- Agriculture & Environment Statistics Division
- Various Division in DOSM

Agencies

- Ministry of Youth and Sports
- Ministry of Health
- Ministry of Education
- Other Ministries

Stakeholders

- Ministry Of Economic Affairs
- Ministry of Finance

Researchers /Students

Public/ Individuals

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