



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA

UNITED NATIONS EXPERT GROUP MEETING THE IMPACT OF THE COVID-19 PANDEMIC ON CONDUCTING POPULATION AND HOUSING CENSUSES AND ON CENSUS DATA QUALITY CONCERNS

9-12 FEBRUARY 2021

MAJOR CHANGES IN THE DESIGN OF POPULATION AND HOUSING CENSUSES DUE TO THE COVID-19 PANDEMIC IN MALAYSIA



20 OCT



2016 - 2030

PRESENTED BY:
MADAM NAZARIA BAHARUDIN
DEPUTY CHIEF STATISTICIAN (SOCIAL AND TECHNICAL DEVELOPMENT PROGRAMME)
AND DEPUTY CENSUS COMMISSIONER
DEPARTMENT OF STATISTICS MALAYSIA



@StatsMalaysia
@MyCensus2020



www.dosm.gov.my



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BACKGROUND OF DEPARTMENT OF STATISTICS MALAYSIA (DOSM)



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA

LEGISLATION



In 1965, the Bureau of Statistics changed its name to the Department of Statistics Malaysia (under Prime Minister's Department)

On 10 March 2020, the Department of Statistics Malaysia is under the purview of Prime Minister's Department (Economy)



Established in 1949 under the Statistics Act 1949 known as the Bureau of Statistics

Department Of Statistics Malaysia under the Ministry of Economic Affairs

 <p>LAWS OF MALAYSIA</p> <p>Act 415</p> <p>STATISTICS ACT 1965 (REVISED-1989)</p> <p>Under the Statistics Act 1965 (Revised - 1989), the functions of DOSM [Section 2] are:</p> <p>To collect and interpret statistics for the purpose of formulation or implementation of government policies....</p>	 <p>LAWS OF MALAYSIA</p> <p>REPRINT</p> <p>Act 16</p> <p>CENSUS ACT 1960 Incorporating all amendments up to 1 January 2006</p> <p>Under Census Act 1960:</p> <p>The Yang di-Pertuan Agong may, by notification in the Gazette, from time to time direct that a census to be taken throughout Malaysia of the Population, Agriculture, Trade, Labor, Industry, Commerce....</p>
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Statistics Act 1965 (Revised-1989)

Census Act 1960 (Revised-1969)

POPULATION AND HOUSING CENSUS OF MALAYSIA



1970

- Conducted in 2 stages: 27 July 1970 (Housing), 25 August 1970 (Population)
- Approach: De Facto
- Mode: Face-to-face interview



1980

- Conducted in 2 stages: 17 May 1980 (Housing), 11 June 1980 (Population)
- Approach: De Facto
- Mode: Face-to-face interview



1991

- Conducted in single stage on 14 August 1991
- Approach: De Facto & De Jure
- Mode: Face-to-face interview



2000

- Conducted on 5 July 2000
- Approach: De Jure
- Mode: Face-to-face interview



2010

- Conducted on 6 July 2010
- Approach: De Jure
- Mode: Face-to-face interview, Drop Off Pick Up (DOPU) & e-Census

SUPPORT FROM PRIME MINISTER OF MALAYSIA



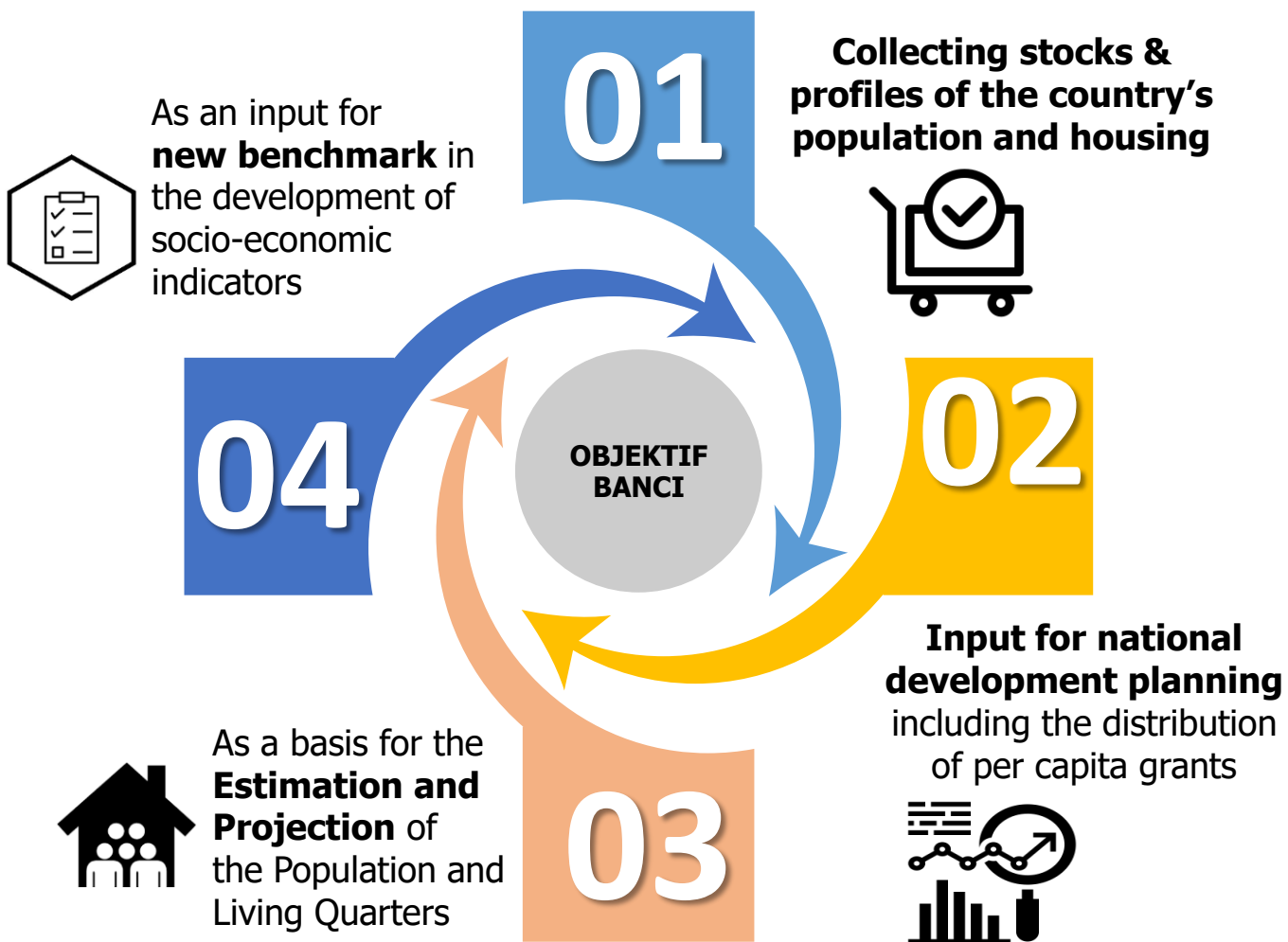
“Looking back, the good lives and benefits that we enjoy today are the results of the cooperation and commitment of the people who provided the information needed during the last five censuses”.

Muhyiddin Yassin
Prime Minister of Malaysia
7 July 2020

OBJECTIVES & MYCENSUS 2020 IN FIGURES

OBJECTIVES

2020



32.7 million
Populations

9.0 million
Living Quarters

8.2 million
Households

160
Administrative District

4.0 persons
Avg. Households Size

1,107
Census District

99,356
Enumeration Block



MAIN OUTCOME OF MYCENSUS 2020



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA

NATIONAL AGENDA

INPUT FOR EVIDENCE-BASED DECISION-MAKING

- **Population Policy**
National Older Persons Policy
- **Housing Policy**
National Housing Policy
- **Education Policy**
National Education Policy
- **Security Policy**
National Social Policy
- **Health Policy**
National Adolescent Health Policy
- **Financial Policy**
- **Fiscal Policy**
- **Budget Policy**

INPUT

- **Determination of Per Capita Grant**
- **Fundamentals for the Constitutional Democracy Process**
- **Balance & Sustainability of Urban and Rural Development**

BENCHMARK

Measurement of Sustainable Development Goals (SDGs)

- 11 from 17 goals
- 110 from 169 targets

Latest Benchmark & Achievement Assessment

- National Level
- International Level

Key Statistical Benchmark

- Poverty rate
- Enrolment rate
- Labour force participation rate
- Unemployment rate
- GDP per capita rate
- Demographic indicators

NATIONAL STATISTICAL SYSTEM

Malaysia Statistical Address Register
Scientific and efficient household sampling method

Malaysia Statistical Population Register
Census of population through updating of population information from time to time

Strengthening Information Technology Infrastructure and Computing
Investment on Infrastructure and system modernization to enhance the production of national statistics

As a **database for implementation of the Agricultural Census**



ADJUSTMENTS IN MYCENSUS 2020 SCHEDULE

12 July 2020

Census Day
7 July 2020

e-Census
20 June - 9 July 2020

Face-to-face
7 - 24 July 2020

5 June 2020

Adjustment of MyCensus
2020 in two phases:

First Phase (e-Census)
7 July - 30 Sept. 2020

Second Phase
(Face-to-face)
7 - 24 October 2020

5 October 2020

Rescheduling of the
MyCensus 2020:

First Phase (e-Census)
7 July - 21 Dec. 2020

Second Phase
(Face-to-face)
20 Jan. - 6 Feb. 2021

11 January 2021

Rescheduling of the
MyCensus 2020:

First Phase (e-Census)
7 July 2020 - May 2021

Second Phase
(Face-to-face)
*Subject to an approval from the
Government of Malaysia*

01

COVID-19 Pandemic

**Movement Control
Order (MCO) effective
on 18 March - 12 May
2020**

02

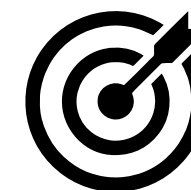
**Upsurge of COVID-19
cases**

Conditional MCO was
implemented in selected
states from 27 October
until 6 December 2020

03

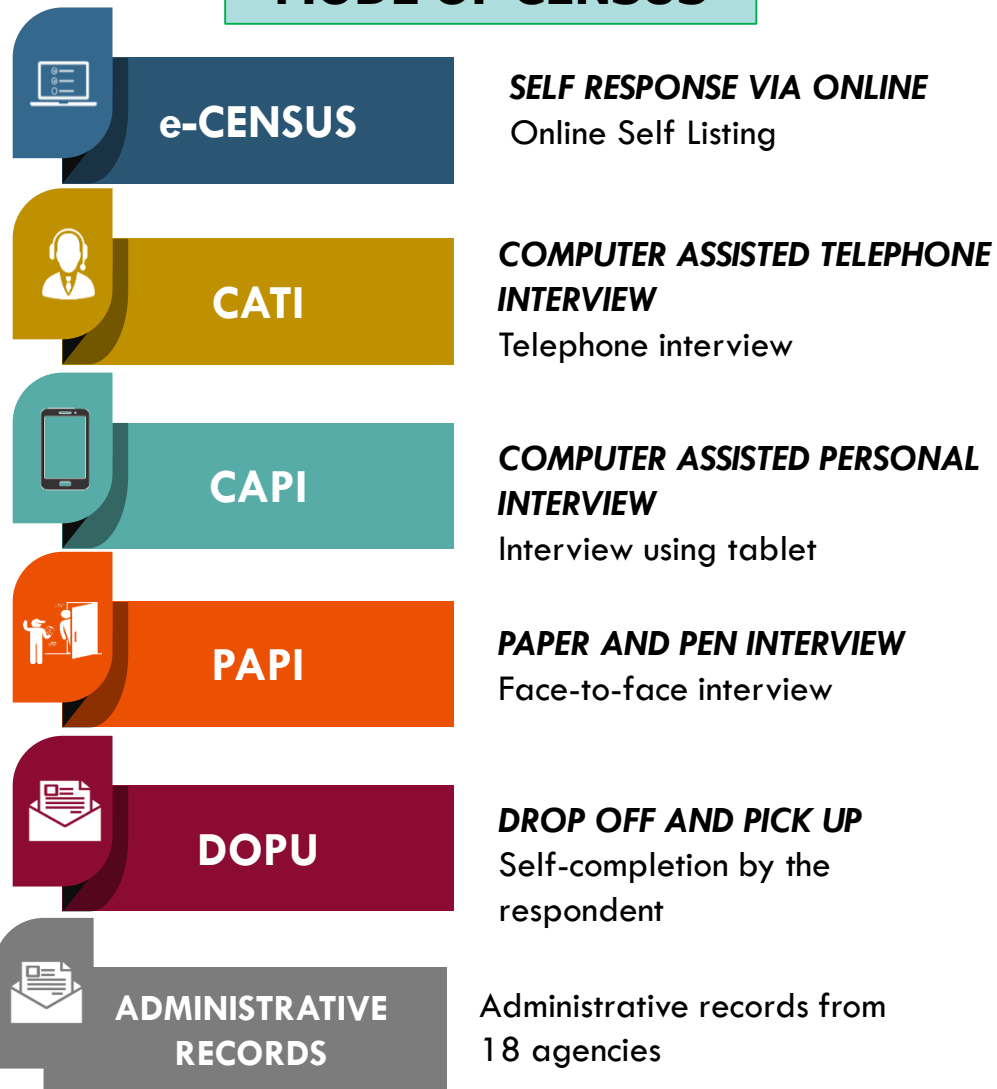
COVID-19 Pandemic

**Movement Control
Order (MCO) 2.0**
effective on
11 Jan. - 18 Feb 2021

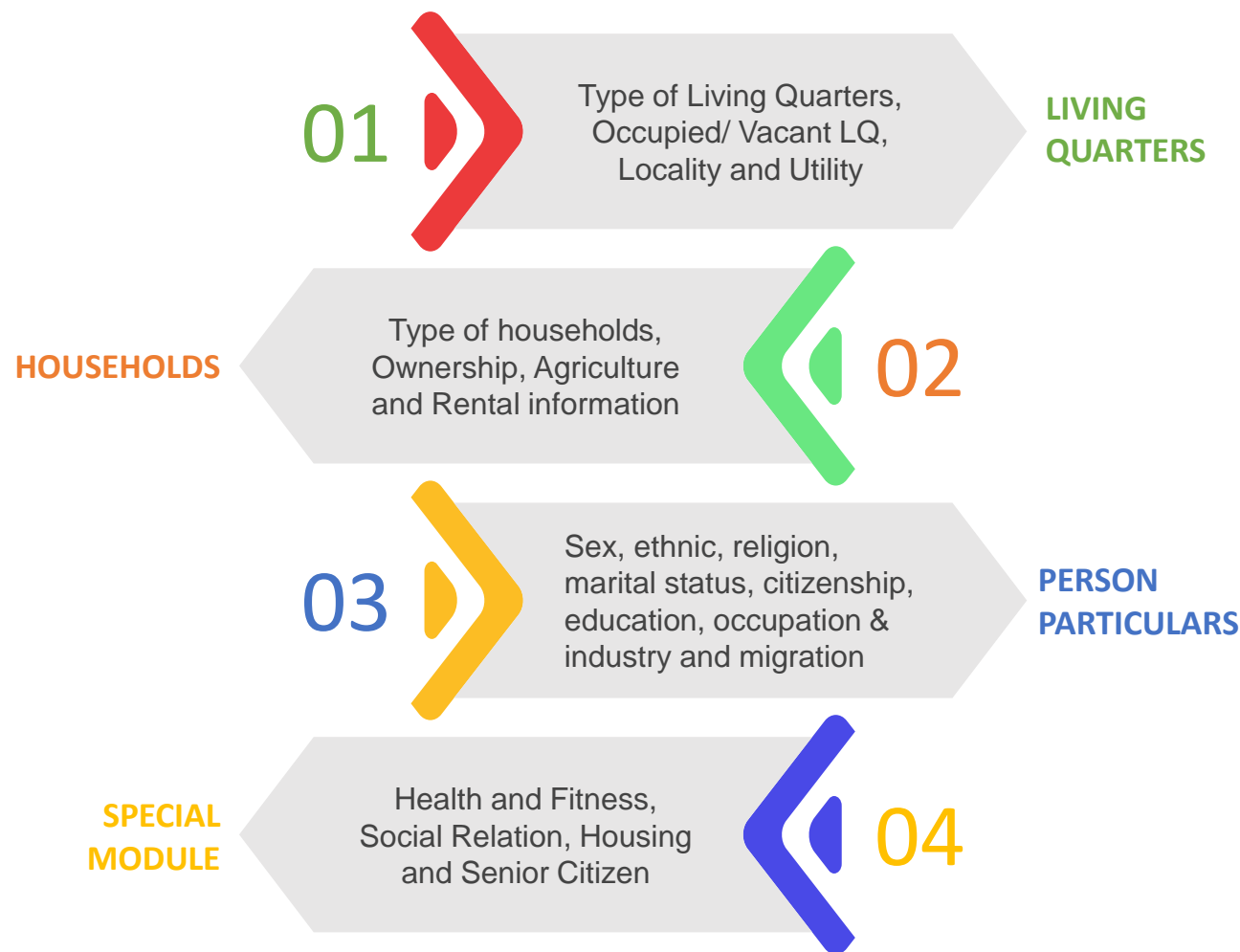


MODE OF CENSUS AND MAIN PARAMETERS

MODE OF CENSUS

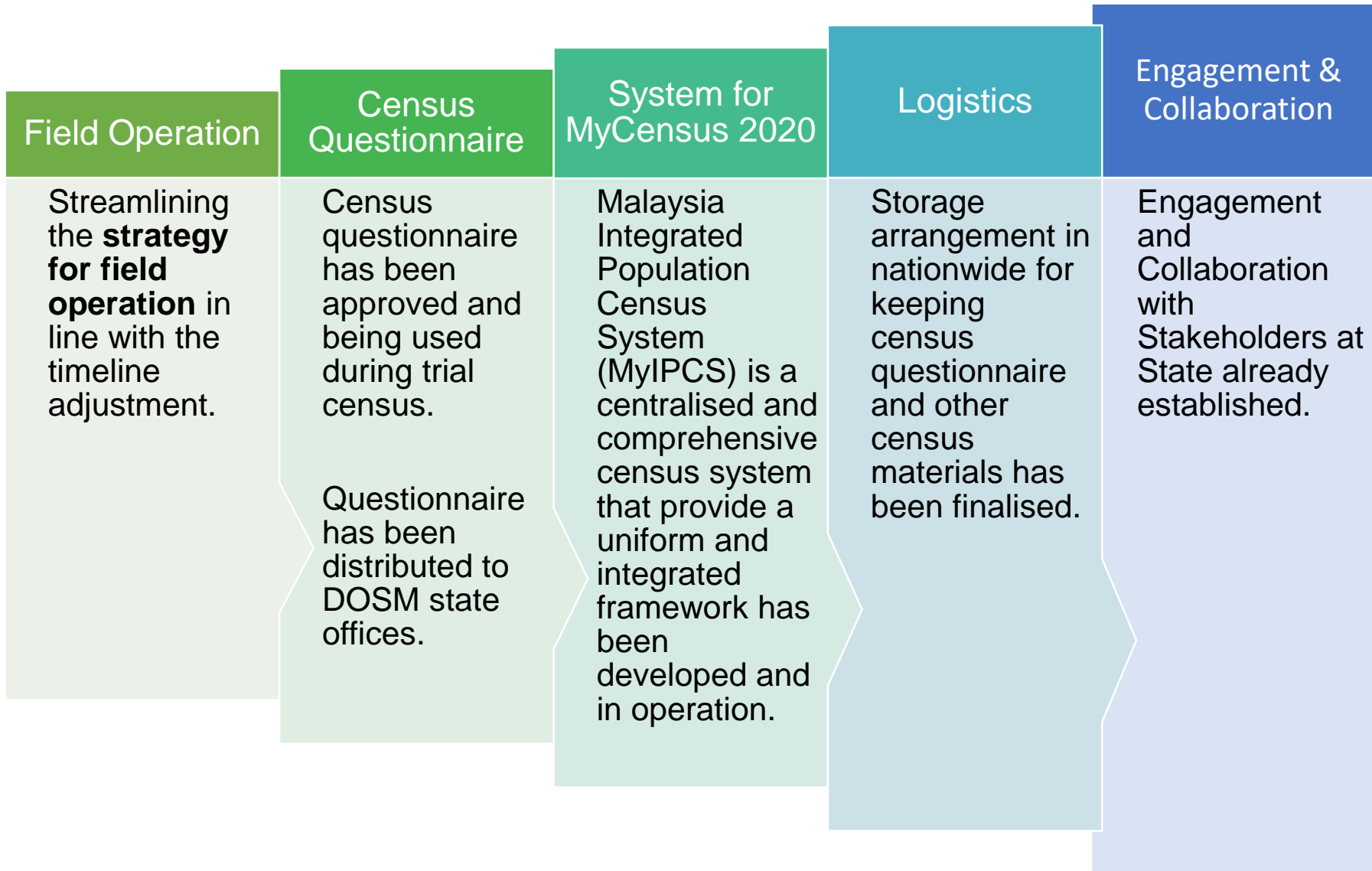


MAIN PARAMETERS FROM CENSUS QUESTIONS



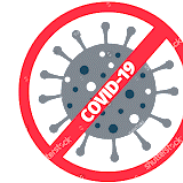


Why Malaysia Proceeds with MyCensus 2020?





Re-adjustment of Census schedule



COVID-19 pandemic



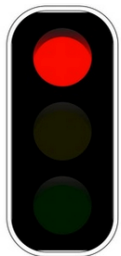
Adjustment in Enumeration Mode

Optimising the usage of e-Census and telephone interview (CATI) as the main mode of response



Challenges in recruitment of census enumerators

Possible COVID-19 infection among census enumerators



Community reluctance & fear

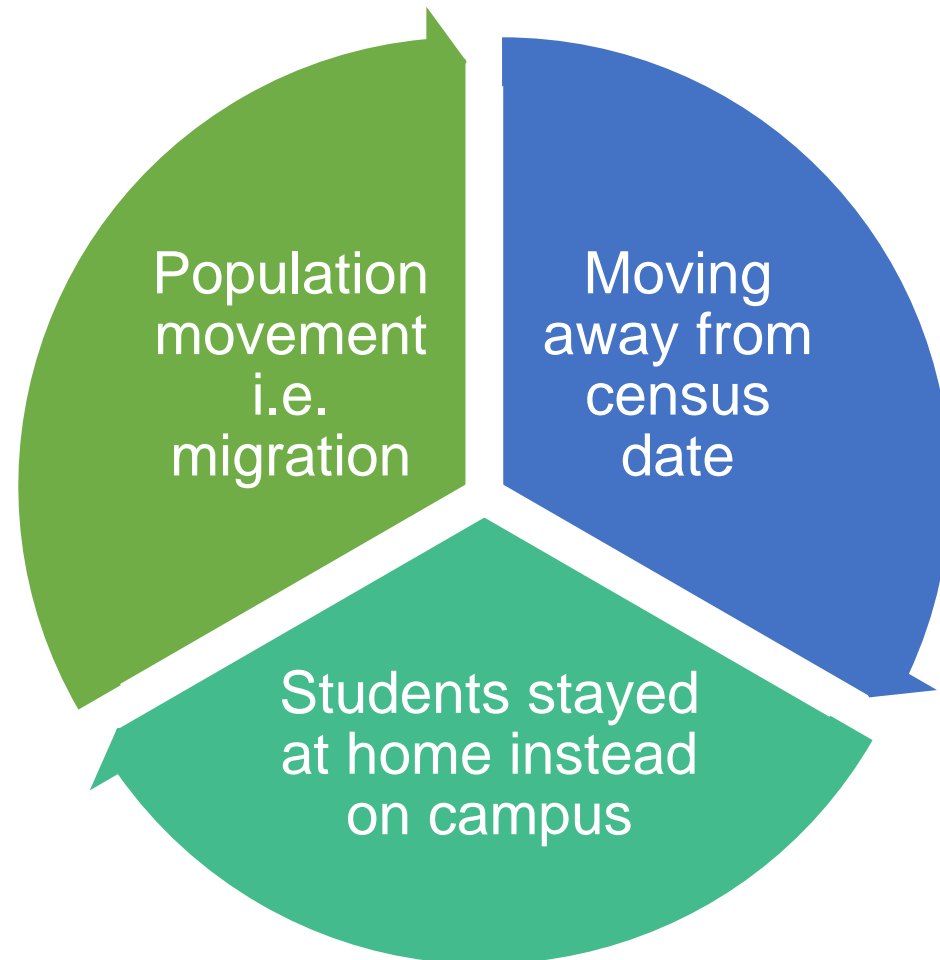
Non-cooperation of the public due to fear of COVID-19



Assuring the safety of the staff and public as top priority



Challenges in Data Quality





MITIGATING MEASURES AMIDST COVID-19 PANDEMIC



- **Coordination among various agencies** at the national and state levels:
 - ✓ Federal Government
 - ✓ State Government
 - ✓ Local Authorities
 - ✓ Government Link Corporations
 - ✓ Private corporations
- Realignment of **census budget** for COVID-19 emergency procurement such as face masks and hand sanitiser
- Extend and adjust the **recruitment process** and timeline in most affected areas
- **Leveraging technology** for training and Post Enumeration Survey (PES) by using online, system (MySUL) and telephone
- Work closely with **National Security Council and Ministry of Health** in relating to updates and necessary actions to be taken
- Produce special **Standard Operating Procedure** on conducting field operations



Leveraging Administrative Data and Analytics Technology

- Staggered workflow with multiple phases and hybrid approach in census operations
- e-Census and CATI reduced the impact of scaled down field operations
- Use of Administrative data
 - ✓ Basic data on population compiled from administrative records
 - ✓ Data Quality control: Consistency checks with available information
- Use of Analytics Technology
 - ✓ Google Maps: Data tapping to complement existing data collection
 - ✓ Train model for machine learning
- Multi-platform publicity on MyCensus 2020 with digital platforms and conventional methods
- Enhancing co-operation with public and private agencies in ensuring the success of MyCensus 2020

WAY FORWARD: MSAR AND MSPR



Malaysia Statistical Address Register (MSAR)

BUILDING UNIT ADDRESS

Information on the address of the Building Unit including Business Organisations, Residences, Buildings / Public Facilities and landmarks



Malaysia Statistical Population Register (MSPR)

INDIVIDUAL INFORMATION

Gather information on the Malaysian population covering demographic, educational, economic, social and individual characteristics

Importance of MSPR

- Next census can be carried out on a small scale
- To update MSPR information frequently using administrative data
- Information in MSPR can be used for:
 - ✓ Distribution of Aid
 - ✓ Local population information for the development of public facilities



WAY FORWARD



1. Assess risks and opportunities and put in place corresponding actions or mitigating measures.
2. Establish protocols when COVID-19 affects a community or any of the census enumerators.

THANK YOU

BANCI MALAYSIA

POPULATION & HOUSING
**CENSUS
MALAYSIA 2020**

YOUR DATA IS OUR FUTURE



#MyCensus2020
7.7.2020

Make Sure You're
COUNTED

For More Info : www.dosm.gov.my
www.mycensus.gov.my



20 OCT



2016-2030

