APPROACHES USED TO MEASURE DISABILITY THROUGH CENSUSES:

MALAYSIAN EXPERIENCE

27 July 2016
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**BACKGROUND**

Population and Housing Census is carried out every 10 years.


The objective is to have a total coverage and to accurately count and measure the numbers and key characteristics of the population, households and living quarters in Malaysia.

The Census is conducted based on the CENSUS ACT, 1960 (Act 16), revised 1969 with the collaboration of the State Governments.

Follows UN recommendations- *Principles and Recommendations for Population and Housing Censuses, Revision 2, UN.*
2010 CENSUS TIMETABLE

1. Census preparatory work
2. Frame and mapping
3. Purchase of asset/recruitment
4. Pre-tests
5. Census publicity
6. Trial census
7. Printing & preparation of census documents
8. ACTUAL CENSUS
9. Preliminary count
10. Processing activities
11. Preparation of census reports
12. Post enumeration survey
Census-taking using multi-modal approach:

- The traditional face to face interview
- Self enumeration using:
  - Manual/hard copy forms (Drop-off pick-up method)
  - Electronic/internet based form (e-Census)
CENSUS TOPICS

- Living Quarters Information
  - Type
  - Location
  - No. of storey
  - Construction material of outer walls
  - Occupancy
  - No. of rooms/bedrooms
  - Facilities - water/electricity/toilet/garbage collection

- Households Information
  - No. of persons per household
  - Disability
  - Ownership status
  - Rented household/Rental payment
  - Household items
  - Involvement in agriculture activities
CENSUS TOPICS

- Persons information
  - Demographic & social characteristics- age, sex, marital status, religion, ethnicity etc
  - Geographical & migration
  - Education
  - Economics- (Occupation & Industry)
  - Fertility & mortality – East Malaysia only
  - Disability

Census information on disability: collected during 2000 & 2010 Census
CENSUS ON DISABILITY

Reasons for inclusion
- Request from the Ministry of Women, Family & Community Development (MWFCD)
- To obtain disability statistics

Definition, category & classification
- From the Department of Social Welfare under MWFCD

Question development
- Tested during Pre-test & Trial Census
- Feedback from Department of Social Welfare

Method of questioning
- Face-to-face interview: Based on answer from respondents or observation by enumerators
- Self-enumeration: Based on answer from respondents
### Question on Persons with Disabilities

#### Census 2000

**B6**

Is any member of this household handicapped?

- [ ] No
- [ ] Yes

**Type of handicap**

1. Sight
2. Hearing
3. Speech
4. Limbs
5. Mental
6. Others

*(Fill in the respective handicap code for the relevant member only; transfer the code(s) to Question C30 for the respective person)*

*(Multiple answers accepted)*

#### Census 2010

**D29** Adaakah anda mengalami sebarang kategori kurang upaya seperti berikut?

*Do you experience any form of disabilities as follows?*

<table>
<thead>
<tr>
<th></th>
<th>Ya / Yes</th>
<th>Tidak / No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Penglihatan / Sight</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Pendengaran / Hearing</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Pertuturan / Speech</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Fizikal / Physical</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Masalah pembelajaran Slow learner</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Mental</td>
</tr>
</tbody>
</table>

*NOTA / NOTE:*

Jawapan berganda diterima

Multiple answers accepted
DEFINITION ON PERSON WITH DISABILITIES: POPULATION & HOUSING CENSUS

A person who experience loss, change or abnormalities of any parts of the body, nervous system, organ functions or limitation of physical/mental abilities

A disability may be present from birth, or occur later in life and may be permanent or temporary in nature (more than six (6) months).

This condition prevent the person to participate fully and effectively in performing basic activity functions, living in a society and interact in physical and cultural environment.
**TYPE OF DISABILITIES**

**SIGHT IMPAIRMENT**
An individual who is unable to see completely or experience limited eyesight either on one eye or both even by using vision aids such as spectacles or contact lenses.

**HEARING IMPAIRMENT**
An individual who is unable to hear clearly in both ears without using hearing aid or unable to hear completely even by using hearing aid.

**SPEECH IMPAIRMENT**
An individual who is unable to speak (mute) but can hear

**PHYSICAL DISABILITIES**
An individual who is physically disabled due to loss of his/her body functions or any of his/her limb in any part of his/her body which may hinder his/her ability to live a normal life. Example: little people, lost of arm or feet or both, lost of thumb, paralysed, spina bifida, muscular dystrophy and cerebral palsy.
TYPE OF DISABILITIES

SLOW LEARNER
An individual whose learning ability is not at the same level of his/her biological age. Example: slow learner, down syndrome, intellectual disability, autism, attention deficit hyperactive disorder (ADHD), specific learning problems (dyslexia, dyscalculia, dygraphia) and global development delay.

MENTAL DISORDER
An individual who suffers from severe mental disability and has undergone treatment or diagnosed as such for at least two years by a psychiatrist. Types of mental illnesses under this category are schizophrenia, mood disorder and chronic organic mental disorder.

MULTIPLE DISABILITIES
An individual who suffers from more than one disability and not suitable to be classified under any of the six (6) other categories. Example: an individual who suffers from 2 types of disabilities (sight and hearing disabilities) will be registered under the multiple disabilities category.
ISSUES & CHALLENGES

- Unwillingness to answer by respondents
- Stigma on disability
- Lack of experience of enumerators
- Low/non-response caused under-reporting of disability data
- Inconsistent data on disability compared to administrative data

LESSON LEARNED

- Promote awareness to the public to give cooperation
- Promote awareness on the importance of census information
- Improve training of enumerators/supervisors/etc
- Strengthen cooperation with other agencies involved in disability program
- Administrative data as control figure for editing of disability data
### STATISTICS ON DISABILITIES

#### Jadual 10.3: Pendaftaran Orang Kurang Upaya Mengikut Kategori Ketidakupayaan, 2014

<table>
<thead>
<tr>
<th>Kategori Ketidakupayaan / Disabilities Category</th>
<th>TAHUN 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penglihatan / Vision Impair</td>
<td>50,827</td>
</tr>
<tr>
<td>Pendengaran / Hearing</td>
<td>62,153</td>
</tr>
<tr>
<td>Fizikal / Physical</td>
<td>174,795</td>
</tr>
<tr>
<td>Masalah Pembelajaran / Learning Disabilities</td>
<td>188,911</td>
</tr>
<tr>
<td>Pertuturan / Speech</td>
<td>3,988</td>
</tr>
<tr>
<td>Mental / Mental</td>
<td>24,263</td>
</tr>
<tr>
<td>Pelbagai / Others</td>
<td>27,025</td>
</tr>
<tr>
<td>Jumlah / Total</td>
<td>531,962</td>
</tr>
</tbody>
</table>

*Source: Department of Social Welfare*

## Statistics on Disabilities

**Jadual 10.4: Bilangan Oku baru Berdaftar Mengikut Kumpulan Umur, Kategori Ketidakupayaan dan Jantina, 2014**

**Table 10.4: Number of New Registration of PWD’s by Category of Disabilities, Age Group and Sex, 2014**

<table>
<thead>
<tr>
<th>Kumpulan Umur / Age Group</th>
<th>Penglihatan</th>
<th>Pendengaran</th>
<th>Fizikal</th>
<th>Masalah Pembelajaran</th>
<th>Pertuturan</th>
<th>Mental</th>
<th>Pelbagai</th>
<th>Jumlah</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VIISON IMPAIR</td>
<td>HEARING</td>
<td>PHYSICAL</td>
<td>LEARNING DISABILITIES</td>
<td>SPEECH</td>
<td>MENTAL</td>
<td>OTHERS</td>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>P</td>
<td>L</td>
<td>P</td>
<td>L</td>
<td>P</td>
<td>L</td>
<td>P</td>
</tr>
<tr>
<td>Kurang dari 6 tahun / Below 5 years</td>
<td>82</td>
<td>71</td>
<td>119</td>
<td>101</td>
<td>420</td>
<td>320</td>
<td>957</td>
<td>608</td>
</tr>
<tr>
<td>7 - 12 tahun / years</td>
<td>173</td>
<td>116</td>
<td>171</td>
<td>144</td>
<td>424</td>
<td>316</td>
<td>1,788</td>
<td>1,085</td>
</tr>
<tr>
<td>13 - 18 tahun / years</td>
<td>181</td>
<td>117</td>
<td>192</td>
<td>134</td>
<td>539</td>
<td>343</td>
<td>1,128</td>
<td>702</td>
</tr>
<tr>
<td>Jumlah / Total (a)</td>
<td>436</td>
<td>304</td>
<td>482</td>
<td>379</td>
<td>1,383</td>
<td>979</td>
<td>3,873</td>
<td>2,395</td>
</tr>
<tr>
<td>19 - 21 tahun / years</td>
<td>105</td>
<td>49</td>
<td>92</td>
<td>72</td>
<td>395</td>
<td>206</td>
<td>522</td>
<td>304</td>
</tr>
<tr>
<td>22 - 35 tahun / years</td>
<td>465</td>
<td>277</td>
<td>371</td>
<td>296</td>
<td>1,418</td>
<td>761</td>
<td>884</td>
<td>704</td>
</tr>
<tr>
<td>36 - 45 tahun / years</td>
<td>418</td>
<td>257</td>
<td>217</td>
<td>191</td>
<td>1,321</td>
<td>746</td>
<td>412</td>
<td>351</td>
</tr>
<tr>
<td>46 - 59 tahun / years</td>
<td>752</td>
<td>451</td>
<td>377</td>
<td>329</td>
<td>1,609</td>
<td>1,156</td>
<td>294</td>
<td>245</td>
</tr>
<tr>
<td>60 tahun ke atas / 60 years and above</td>
<td>627</td>
<td>379</td>
<td>400</td>
<td>239</td>
<td>1,450</td>
<td>956</td>
<td>60</td>
<td>67</td>
</tr>
<tr>
<td>Jumlah / Total (b)</td>
<td>2,367</td>
<td>1,413</td>
<td>1,457</td>
<td>1,129</td>
<td>6,393</td>
<td>3,825</td>
<td>2,172</td>
<td>1,671</td>
</tr>
<tr>
<td>Jumlah / Total (a + b)</td>
<td>2,803</td>
<td>1,717</td>
<td>1,939</td>
<td>1,508</td>
<td>7,776</td>
<td>4,804</td>
<td>6,045</td>
<td>4,066</td>
</tr>
</tbody>
</table>

**Source:** Department of Social Welfare

STATISTICS ON DISABILITIES

CARTA 18 : PENDAFTARAN ORANG KURANG UPAYA (OKU), 2010-2014
Chart 18 : Registration of Persons With Disabilities (PWD's), 2010-2014

Source: Department of Social Welfare
STATISTICS ON DISABILITIES

CARTA 19: PERATUS OKU MENGIKUT KATEGORI KECACATAN, 2014
Chart 19: Percentage of PWD's by Category of Disabilities, 2014

Source: Department of Social Welfare
Thank You
SOURCES OF DATA

POPULATION CENSUSES
- DOSM

ADMINISTRATIVE SOURCES
- DOSW
- MOE

SAMPLE SURVEYS
- MOH