



Virtual Event 15-18 June 2020

# 2020 Asia-Pacific Statistics Week

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## Spatial Analysis: Ageing Population of Multi-ethnic in Rural Area, Malaysia

Action Area C. Integrated statistics for integrated analysis (SC4)

### **Integrated Analysis for the 2030 Agenda**

Presenter:

**Zainal Abidin Abd Mutalib**  
Statistics Malaysia

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### CONTENT

- ❖ AGEING NATION: MALAYSIA AT A GLANCE
- ❖ POPULATION AGEING IN MALAYSIA
- ❖ SPATIAL DISTRIBUTION OF SENIOR CITIZENS IN RURAL AREA
- ❖ SPATIAL DISTRIBUTION OF SENIOR CITIZENS BY ETHNIC IN SELECTED STATES
- ❖ CONCLUSIONS



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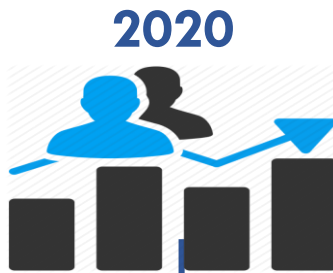
## AGEING NATION: MALAYSIA AT A GLANCE

According to Senior Citizen Nasional Policy, Malaysia is expected to be an **“Ageing Nation”** if this group reaches

**15.0%**  
of the population.

Malaysia's population aged

**60+**



Malaysia's as a **“ageing nation”**

**15.3%**  
of the population



**11.1%**  
Out of Malaysia's Population



**2030**

**38.1 mil**  
Malaysia's population

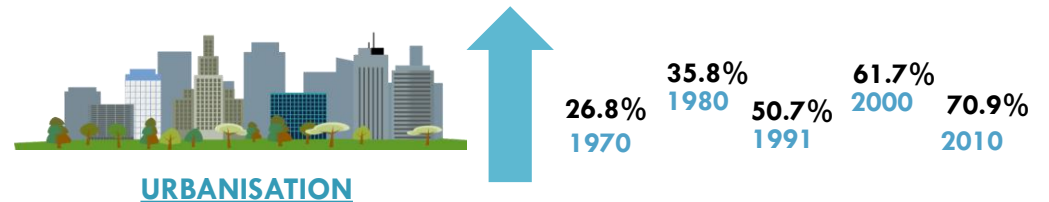
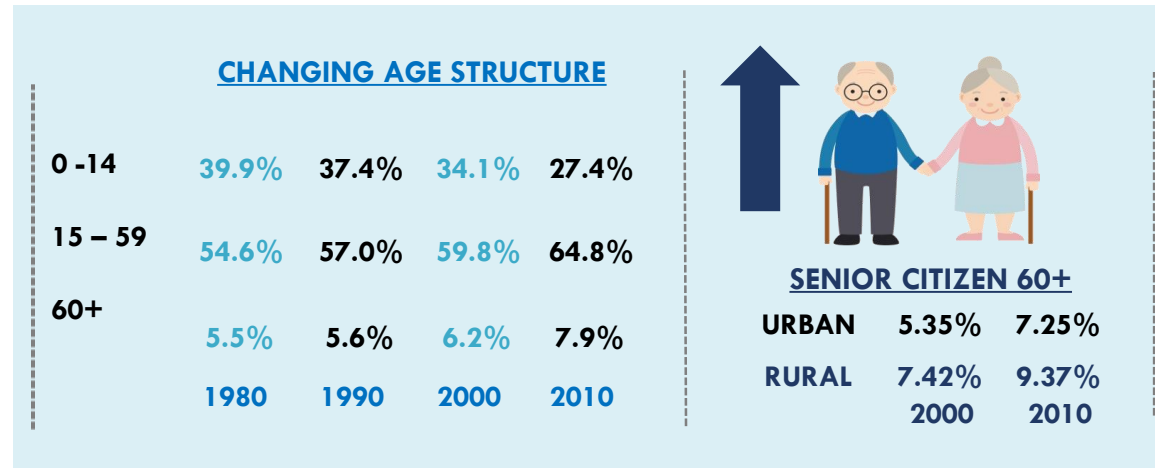




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## POPULATION AGEING IN MALAYSIA

- ❑ **OBJECTIVE:** To find out population ageing in Malaysia's rural area from an ethnic perspective as well as the spatial distribution of the rural regions in Malaysia.
- ❑ The 2010 Census recorded a total of 2.2 million older persons in the country, which means that 1 out of every 13 persons in Malaysia today is 60 years old or older.
- ❑ Older person composition in Malaysia is expected to grow more than twofold from 1970 to 2020, which is 5.4 per cent to 11.1 per cent and expected to reach 19.8 per cent by 2040.



### ETHNICITY

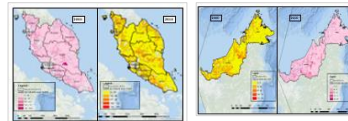
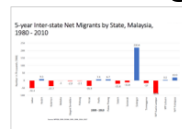
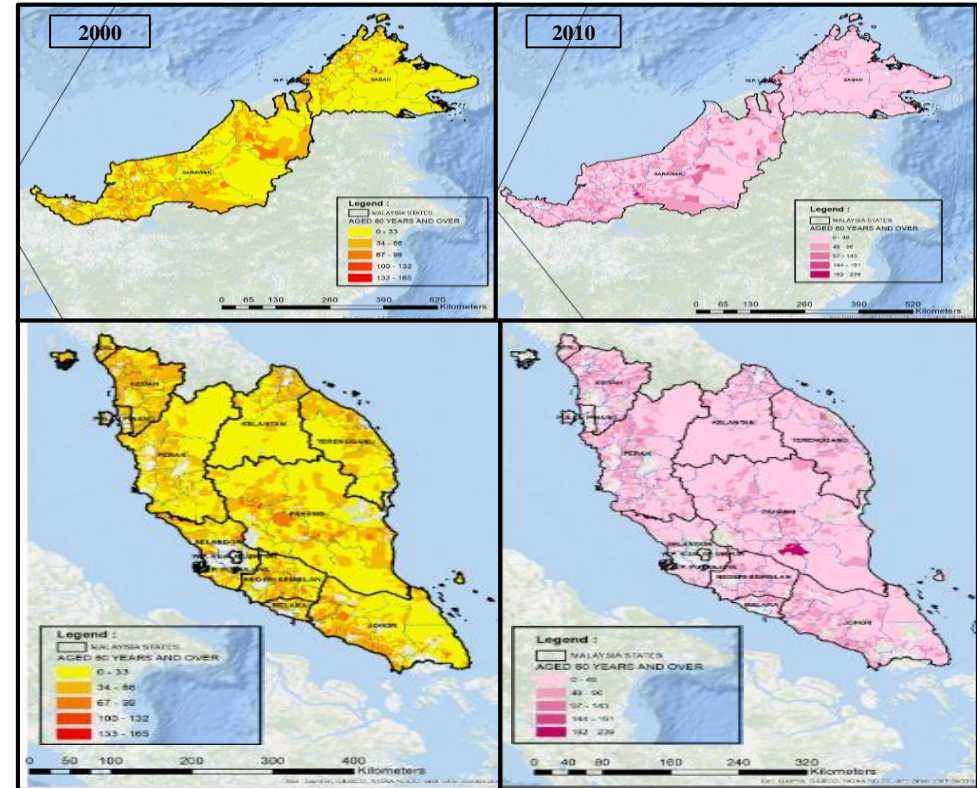
Year	Urban %			Rural %		
	Malay*	Chinese	Indian	Malay*	Chinese	Indian
2010	2.93	3.39	0.66	7.82	1.08	0.2
2019	4.79	4.18	0.93	9.6	1.12	0.28



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## SPATIAL DISTRIBUTION OF SENIOR CITIZENS IN RURAL AREA, BORNEO'S EAST MALAYSIA AND PENINSULAR MALAYSIA IN YEAR 2000 & 2010

- ❑ The ageing effect is also more pronounced in rural areas than urban locations due to migration, loss of the younger population to the cities and trend for people to retire in rural area.
- ❑ Rural population refers to areas with a population less than 10,000 people, economics activities based on agriculture and natural resources in which its population either clustered, linear or scattered.
- ❑ There exist some exciting patterns by location and space - Senior citizens in the rural area consistently has shown a slight rise in both years



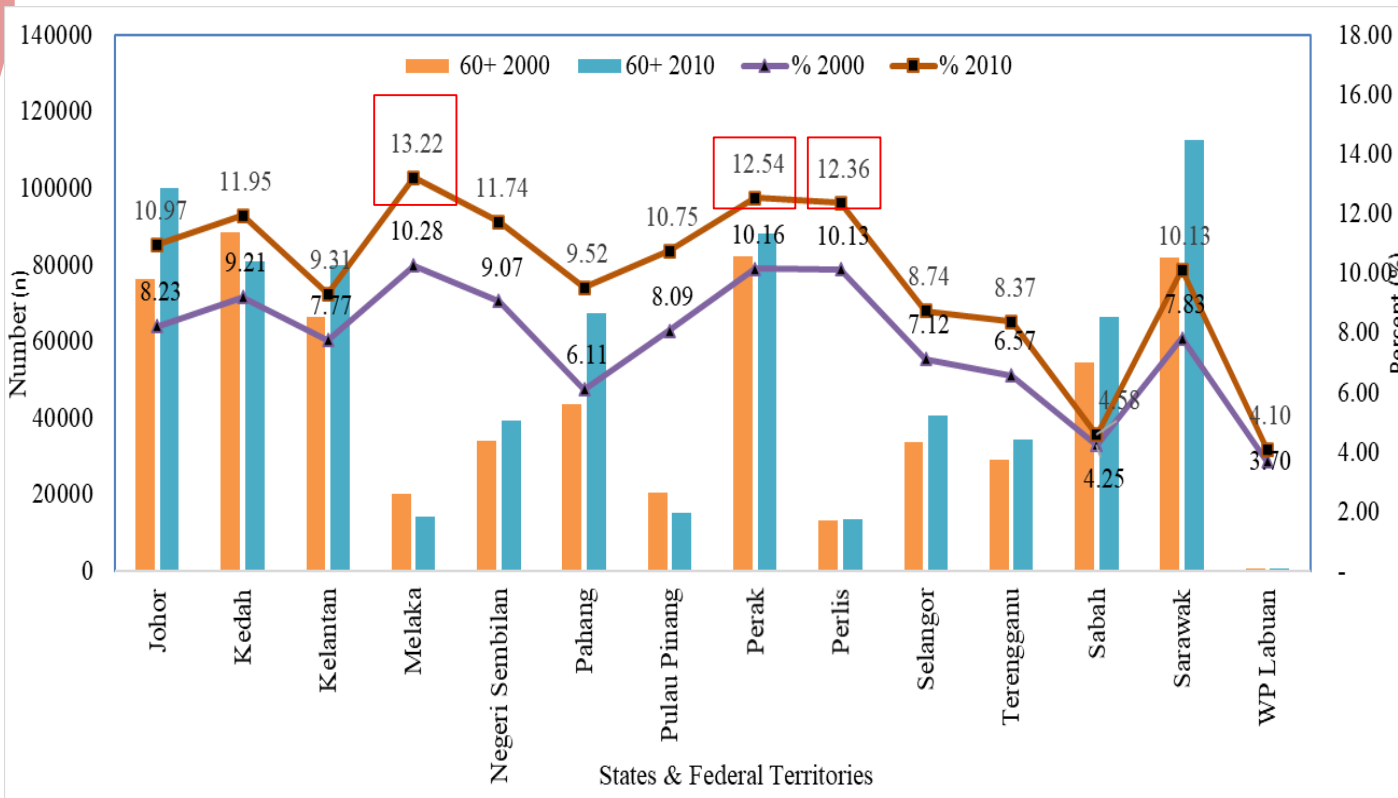


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## SENIOR CITIZENS POPULATION IN MALAYSIA'S RURAL AREA BY STATE 2000 AND 2010



- ❑ Sarawak has the largest population of older persons aged 60 years or above in 2010, but it is still a relatively young state.
- ❑ Compared to Perak, the state with the highest percentage of older persons (12.54%).
- ❑ States that have small populations might remain aged as it attracts elderly rural population from other states such as Melaka and Perlis.

Source: Department of Statistics Malaysia



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### KEY CONCLUSIONS

- GIS application was successful in producing a precise allocation of senior citizens mapping by states and district in Malaysia.
- By any measure, older persons in rural Malaysia are increasing in absolute numbers and in proportion.
- The distribution of senior citizens is unbalanced and dispersed, and this pattern will continue to expand in the future.
- Concentrations are towards the 8 states (Perlis, Kedah, Pulau Pinang, Perak, Selangor, Negeri Sembilan, Melaka & Johor) on the west coast of Malaysia.
- There are wide variations in the rates of ageing by ethnicity and geography.
- Disease and mortality patterns are changing, but health expenditure, health care and social welfare system in Malaysia are facing novel challenges - changing demographics are also bringing new opportunities.
- Under the next Malaysia Plan, recommendation development programs need to focus on monitoring the specific needs of the aged, especially for citizens aged 60 years and above.
- **ARE WE READY FOR AN AGEING MALAYSIA?**



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