

Research Thrusts on Health and Well-being (SDG 3): *University of Malaya*

Professor Chirk Jenn Ng

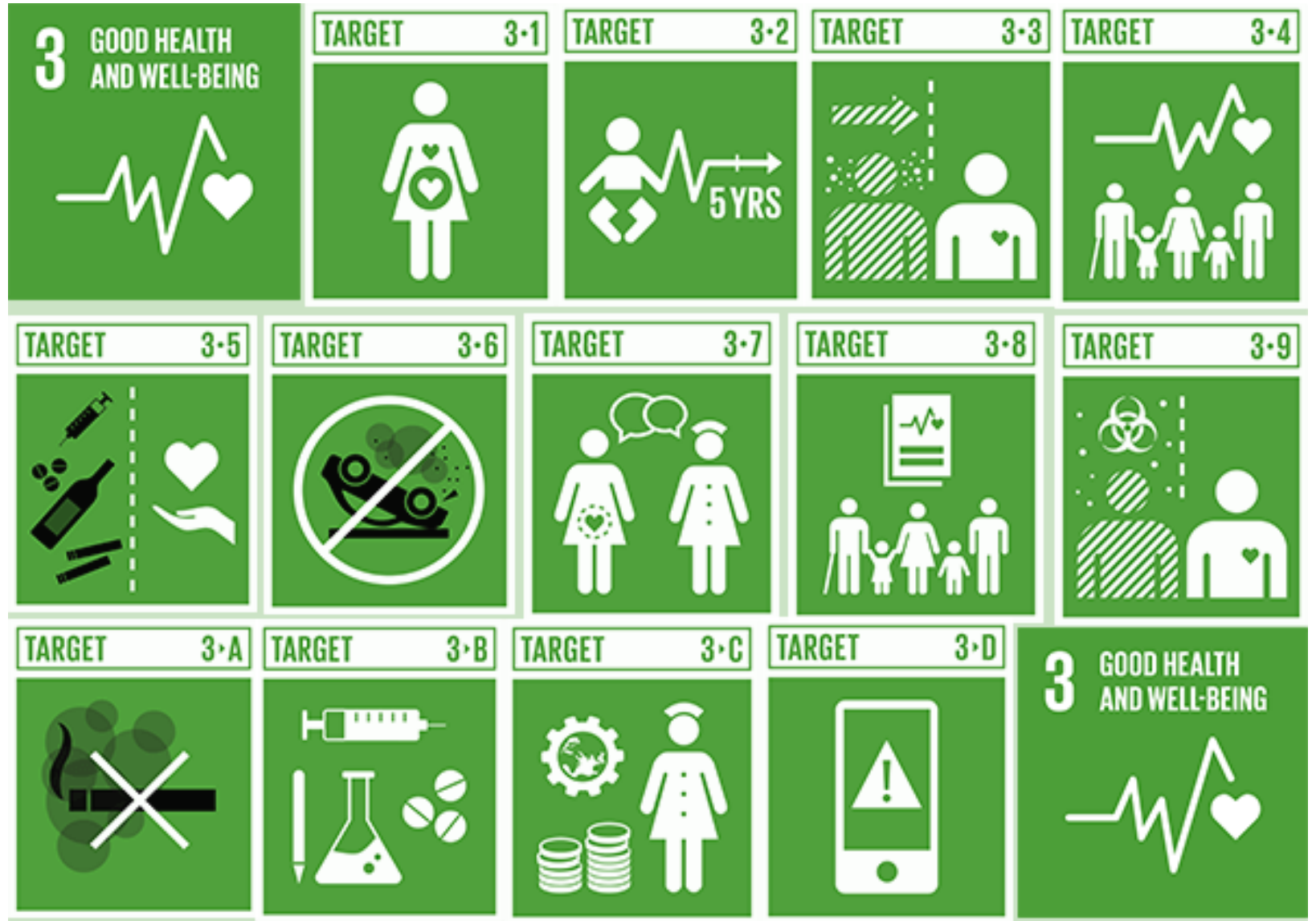
MBBS, MMed (Family Medicine), PhD

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Kuala Lumpur

6 Nov 2019

SDG 3: Good Health & Well-being *Targets*



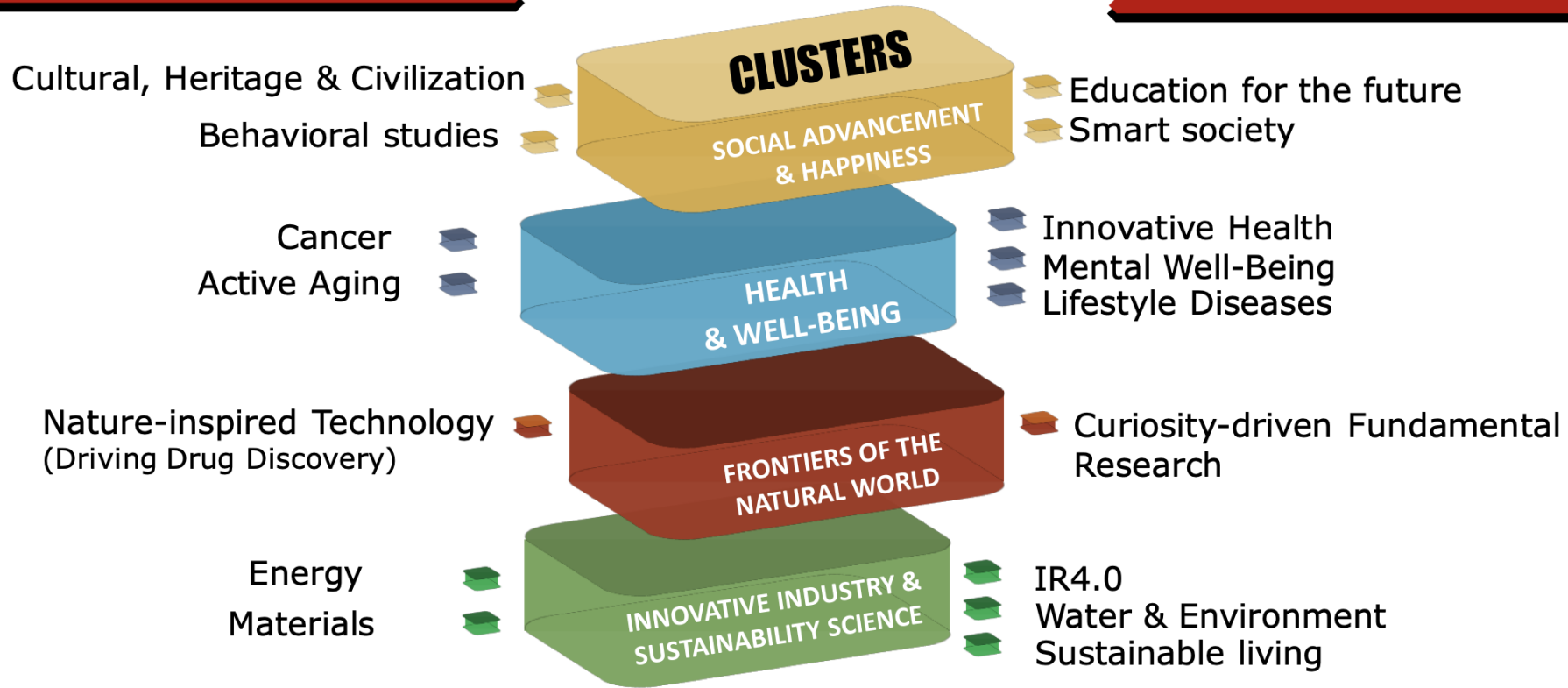
Where does Malaysia stand (2018)?

- Malaysia fared relatively well in:
 - Reproductive, maternal, newborn and child health (RMNCH)
 - Urban and environmental health
 - Health system resources and service capacity
- Further efforts are required in:
 - Noncommunicable disease (NCD) prevention and control, specifically to address male smoking
 - HIV prevention and control
 - Road-traffic mortality rate
- *‘The equity dimension is not known either because the country may not have disaggregated data or because data have not been reported to WHO’*

IIRG RESEARCH NICHE AND THRUST AREAS 2019-2021

NICHE AREAS

THRUST AREAS



Research approach :

Basic
Applied
Interdisciplinary
Translational

Themes :
(should incorporate)

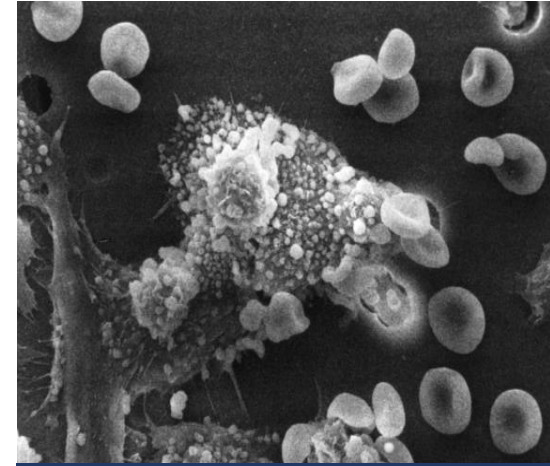
Happiness
Sustainability
Technology

Humanities
Innovation & creativity

FOM RESEARCH THRUSTS



Infectious Diseases and Immunity



Cancer & Drug Discovery



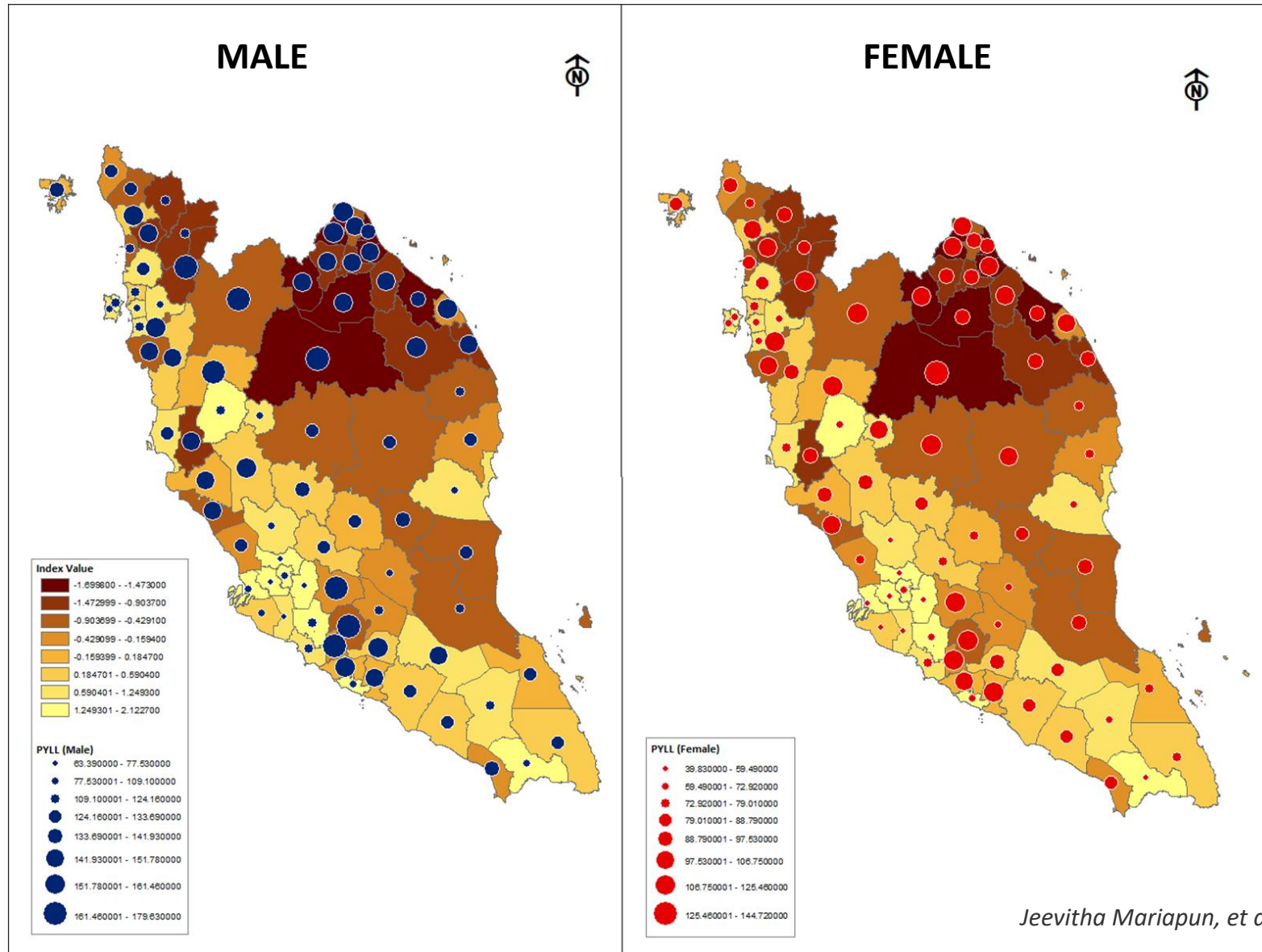
Aging and Regenerative Medicine



Public Health & Non-Communicable Diseases

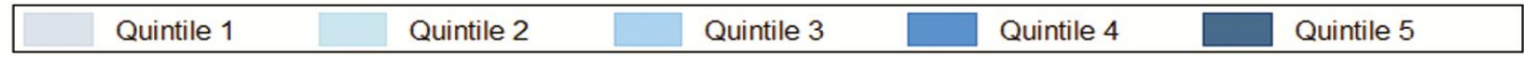
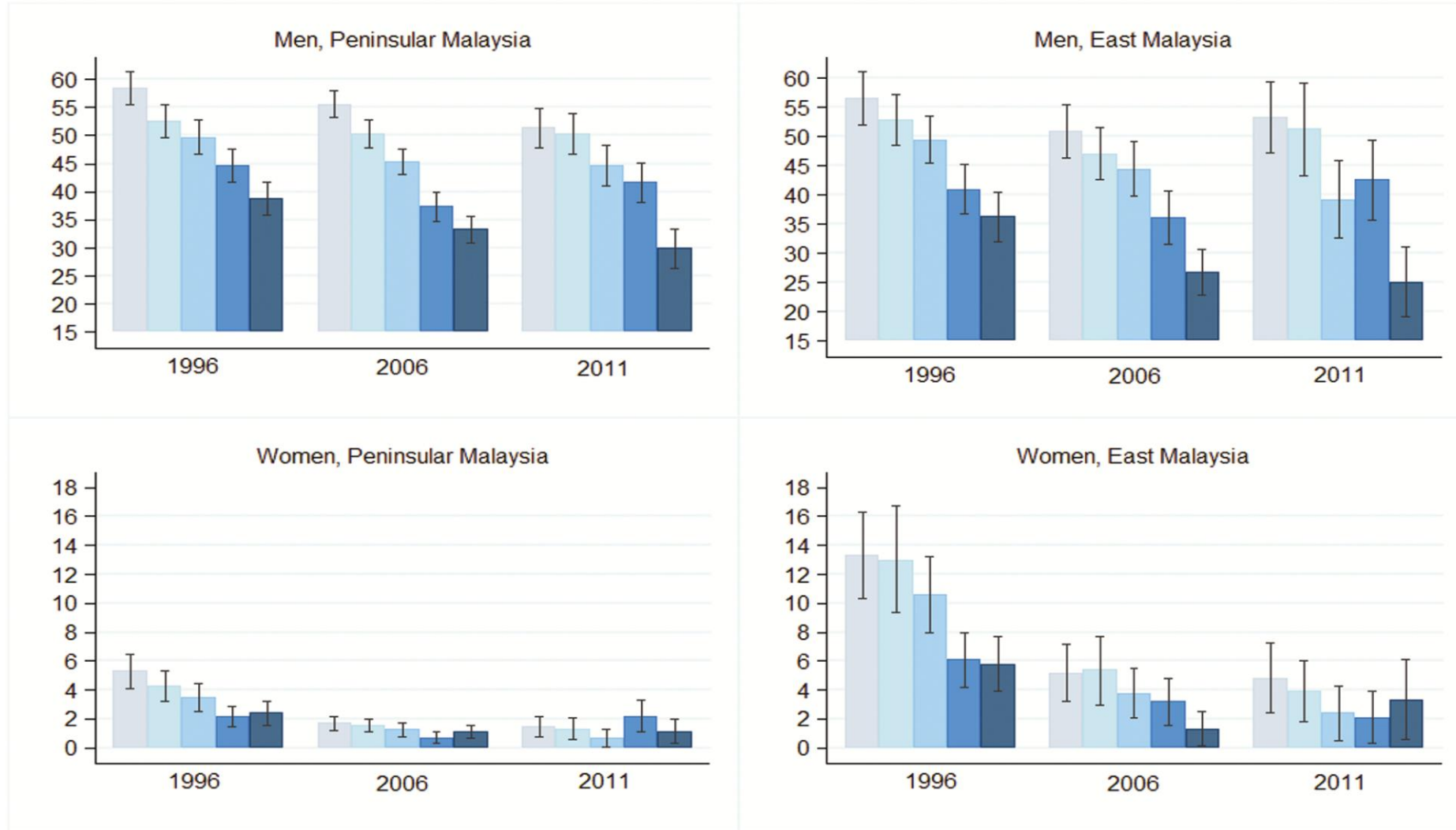
MORTALITY

Geographical distribution of the Socioeconomic Index and Potential Years of Life Lost for males and females in Peninsular Malaysia



SMOKING

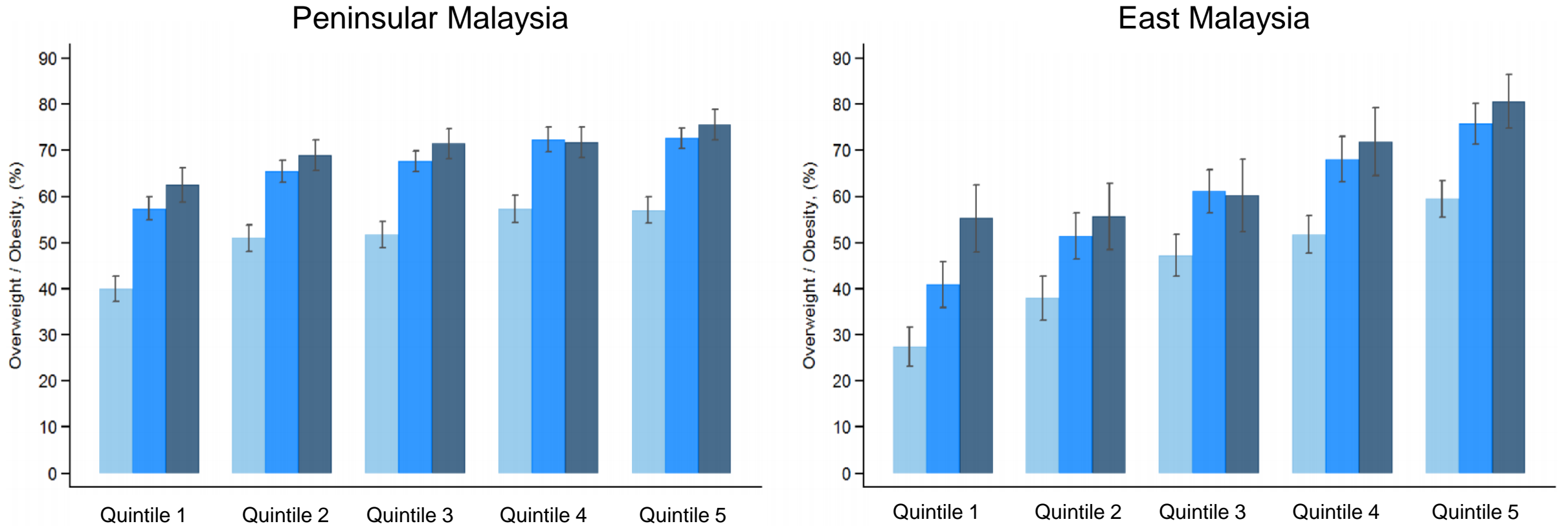
Age-adjusted prevalence of current smoking by socioeconomic quintile and region



Quintile 1: Lowest Socioeconomic status
 Quintile 5: Highest Socioeconomic status

OBESITY

Age-adjusted prevalence of overweight of MEN by socioeconomic quintiles and region

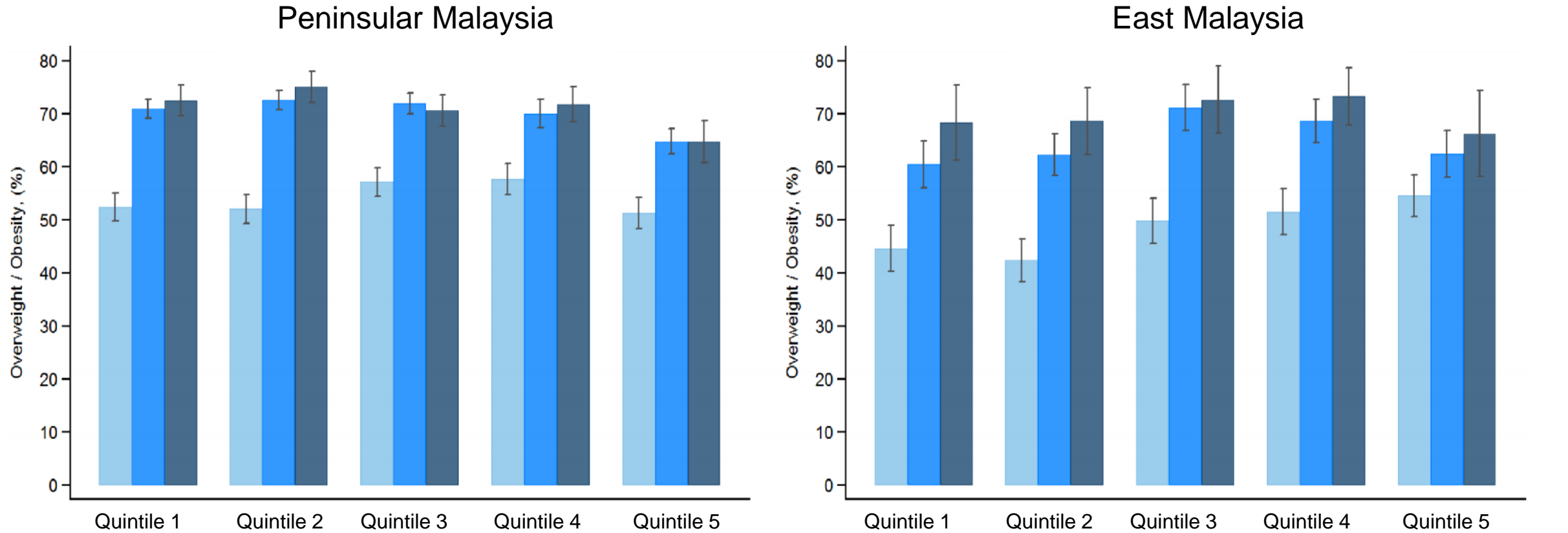


Quintile 1: Lowest Socioeconomic status
Quintile 5: Highest Socioeconomic status



OBESITY

Age-adjusted prevalence of overweight of WOMEN by socioeconomic quintiles and region

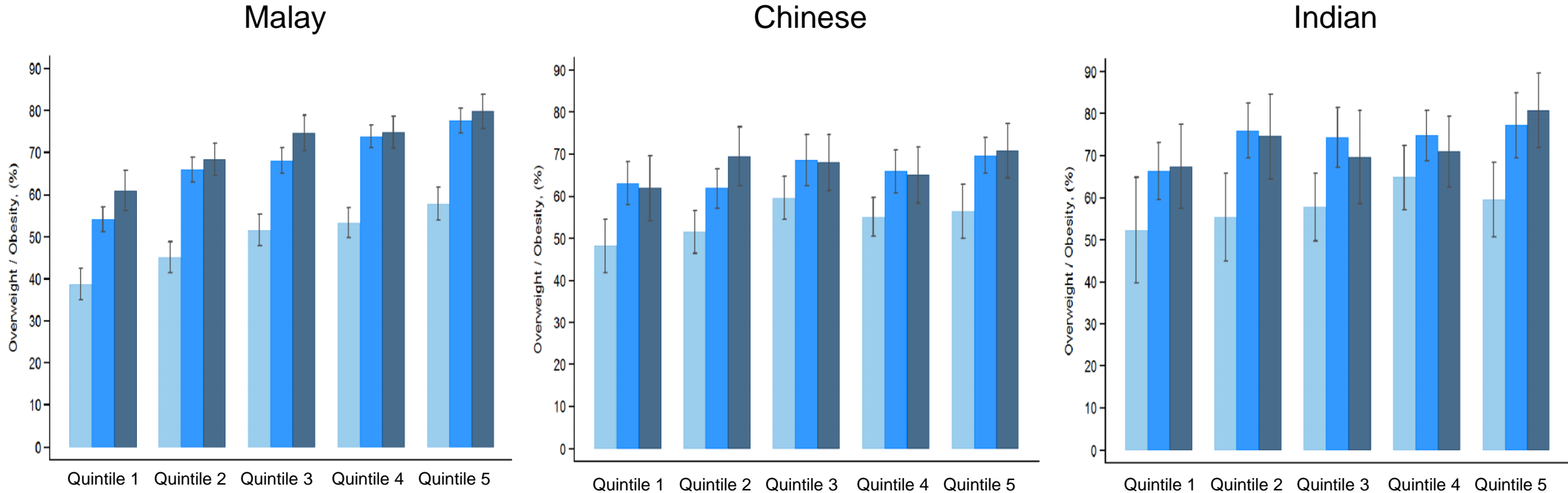


Quintile 1: Lowest Socioeconomic status
Quintile 5: Highest Socioeconomic status



OBESITY

Age-adjusted prevalence of overweight of MEN by socioeconomic quintiles and ethnicity for Peninsular Malaysia



Quintile 1: Lowest Socioeconomic status
 Quintile 5: Highest Socioeconomic status

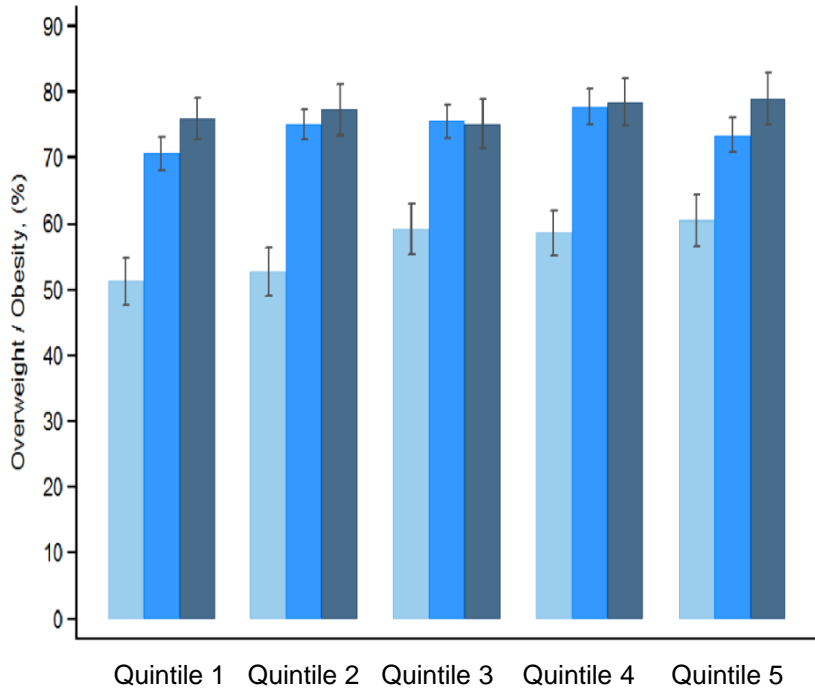
Jeevitha Mariapun, et al. Journal of Epidemiology, 28(6): 279-286



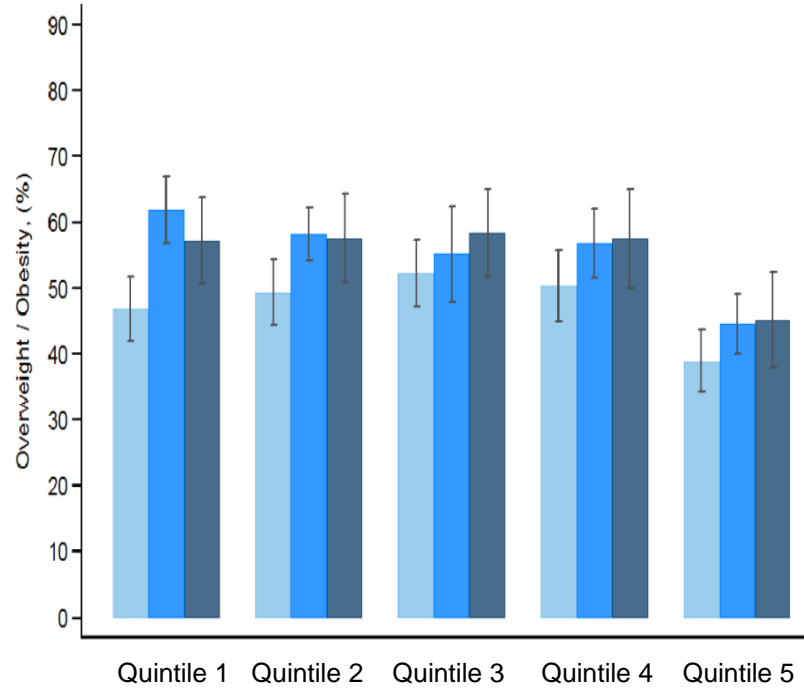
OBESITY

Age-adjusted prevalence of overweight of WOMEN by socioeconomic quintiles and ethnicity for Peninsular Malaysia

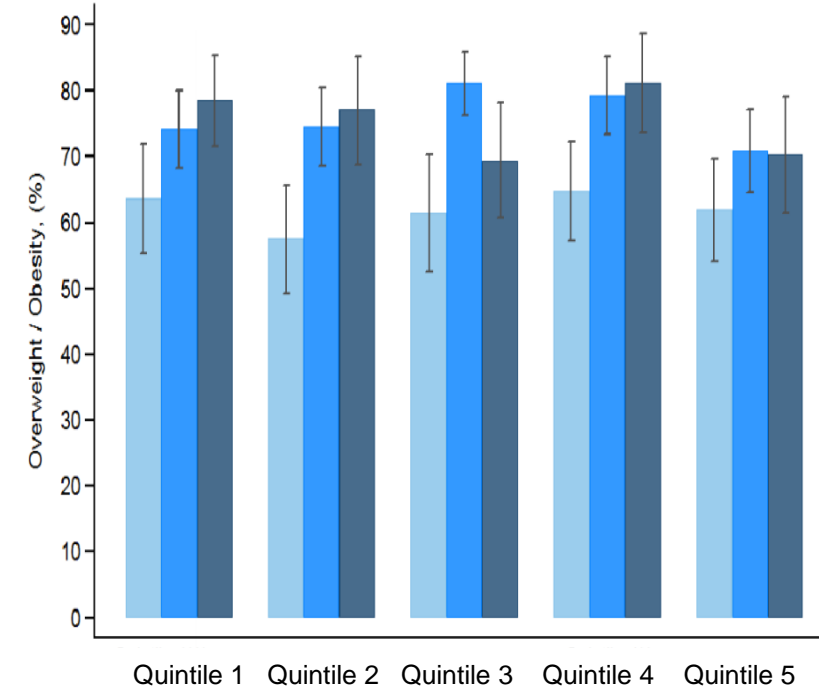
Malay



Chinese



Indian



Quintile 1: Lowest Socioeconomic status
 Quintile 5: Highest Socioeconomic status

Jeevitha Mariapun, et al. Journal of Epidemiology, 28(6): 279-286



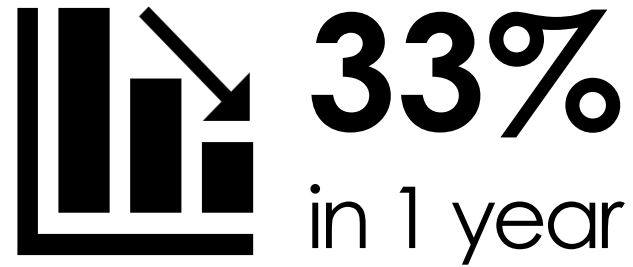
Financial Toxicity in Cancer Care



Financial Catastrophe

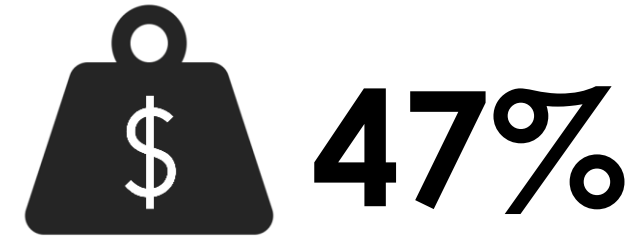
Out-of-pocket costs \geq 30% of annual household income

- MOH 33%
- Public university hospital 65%
- Private university hospital 72%



Medical Impoverishment

Decrease in household income from above the national poverty line to below that line after subtraction of cancer related costs



Economic Hardship

Inability to make necessary household payments

Community-Academic Partnerships (CAP) Supporting Youth Against Violence & Unhealthy Sexual Activities

Knowledge Transfer Project (KTP) Taman Medan

- Knowledge Transfer Grant from Ministry of Higher Education
- 21 Jan 2014 – 20 July 2016 (2 year 6 months)
- Collaborators:
 - UM (lead), UiTM, Lim Kok Wing [MOHE]
 - Klinik Kesihatan Taman Medan [MOH]
 - All Women's Action Society (AWAM) [NGO]
 - Pusat Aktiviti Kanak-kanak [Social Welfare Dept]

Prof. Dr Sajaratulnisah Othman & team



keepAble Cancer Community

KEEP ABLE
CANCER COMMUNITY CENTRE



keepAble cancer community –
trademark patented in 2016 by
pharmacosip



Associate Professor Dr. Loh Siew Yim



Prevent Elder Abuse and neglect initiative (PEACE)



ELDERLY COHORT IN KUALA PILAH (2013 – 2019)



TRAINING FOR CAREGIVERS



TRAINING FOR HEALTHCARE PROVIDERS



HEALTHY AGEING PROMOTION CAMPAIGN



- ✓ **EPIDEMIOLOGY**
- ✓ **CAPACITY BUILDING**
- ✓ **STAKEHOLDERS' ENGAGEMENT**
- ✓ **COMMUNITY ENGAGEMENT**
- ✓ **CREATE PUBLIC AWARENESS**
- ✓ **SCIENTIFIC EVIDENCE**
 - ✓ 20 PUBLICATIONS (50% Tier 1)
 - ✓ Training modules

Prof Dr Noran Naqiah Hairi and team

ROSE Research

TOWARDS CERVICAL CANCER
ELIMINATION IN MALAYSIA

ROSE

REMOVING OBSTACLES TO CERVICAL SCREENING

Program ROSE
@ProgramROSE

Program ROSE (Removing Obstacles to cervical ScREening). Our vision is a cervical cancer free future for women in

Tweets 32 Following 56 Followers 15 Likes 59

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Program ROSE @ProgramROSE · Apr 14

Therefore, this coming 20th April (Saturday), we will be partnering with Sabah English Aspiration Society(SEAS) in Membakut, Sabah to offer 80 FREE cervical screening tests at SK Pengiran Jaya Pimping, Kampung Pimping in Membakut

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Prof Dr Woo Yin Ling and team

About us



Prof Dr Ng Chirk Jenn and team

Thank You

ngcj@um.edu.my