



# **SCORING AND RANKING:** AN ANALYSIS OF RESEARCH PRIORITY-SETTING **UNDER 12TH MALAYSIA PLAN**



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### INTRODUCTION

National health research priorities in Malaysia should reflect the unique characteristics, needs and goals of the health sector in Malaysia. The purpose of identifying health research priorities is to facilitate research that provides relevant and targeted information to support the primary goal of the health sector. The resultant research outputs should improve the health status and the delivery of health care in Malaysia. From a social perspective, health research primarily aims to bring social benefits via a variety of means, including, for instance, evaluation of health-related epidemiological data in the Malaysian-setting, and industry-driven development of innovative technology with commercial value.

**RESULT** 

169

research scopes

Communicable

diseases

Antimicrobial

Resistant

Vaccine Preventable Disease

Pneumonia/

ILI/SARI

Viral

Haemorrhagic

Fever

Non-dengue

Arthropod-borne

viruses

Boosting host

to vaccines

Pandemic

Preparedness

COVID 19

Dengue

Mycobacterial

Leptospirosis

Hepatitis

Melioidosis

**507** 

priorites

**Health System** 

**Precision Medicine** 

**Innovation & Technology** (Digital Health & Artificial Intelligence)

Maternal & Child Health

Environmenta

& disaster risk

Ambient &

household air

pollution

Land & soil

Water pollution

Climate change &

Chemical &

Disaster risk

Figure 2: RMK-12 mapped research area.

**Oral Health** 

Older

Health

Addiction

health topics/

disease

**NCDs** 

High fasting plasma glucose

Atherosclerosis

Hyperlipidaemia

Obesity

Physical

life style

Nutrition Food

safety & quality

Smoking

nactivity/Seden

Physical Injuries

Endocrine & metabolic disease

i.e. Diabetis

Cancer

Cardiovascular

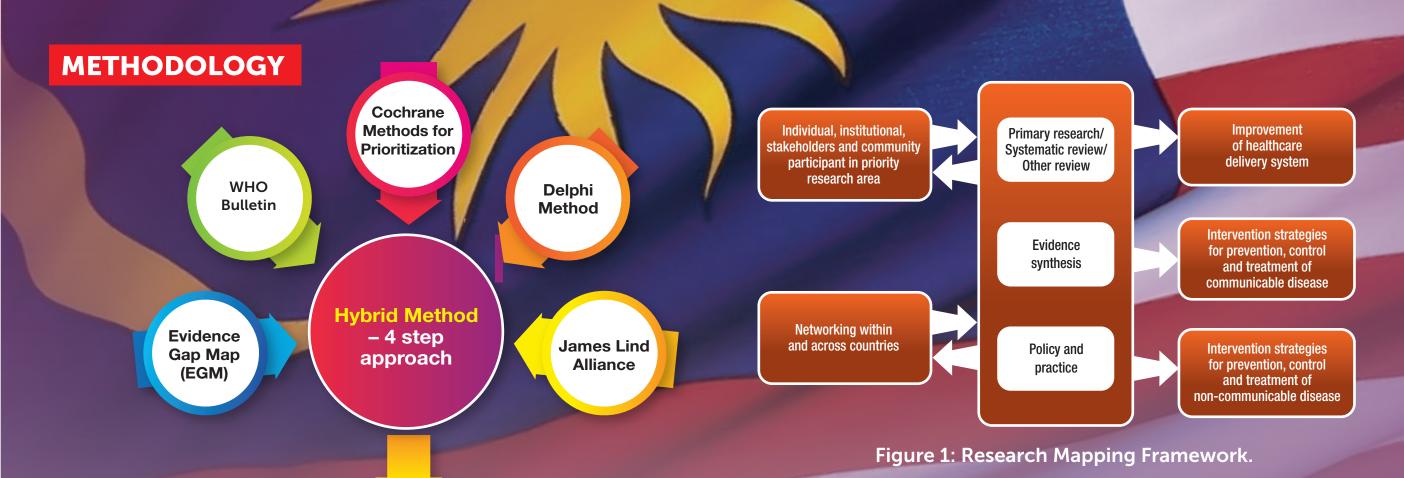
diseases i.e

Hypertension,

Cerebrovascular

disease

Stunting growth





2. Relevant study search & inclusion assessment

3. Coding & critical appraisal

4. Validation of research priority areas

### **CONCLUSIONS**

Comparing research priorities between diseases/health topics requires standardisation and the research framework is one approach that can be applied across all the health topics found in health research priorities. The database reported here can also be used to quickly access and analyse the research priorities for a specific health topic or to compare across a range of health topics.

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