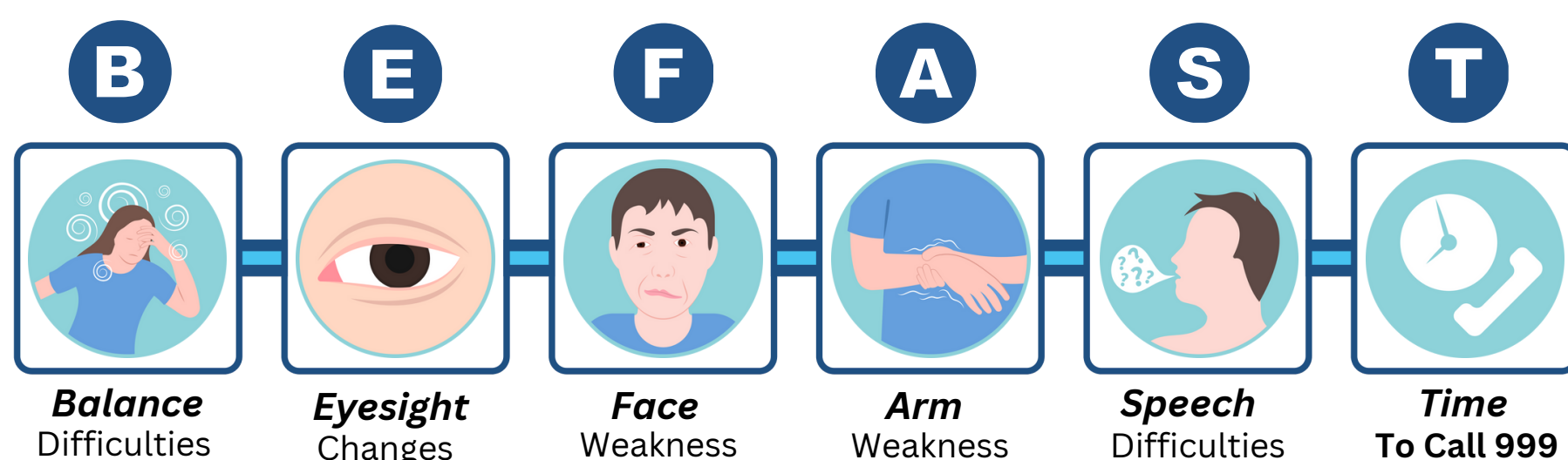


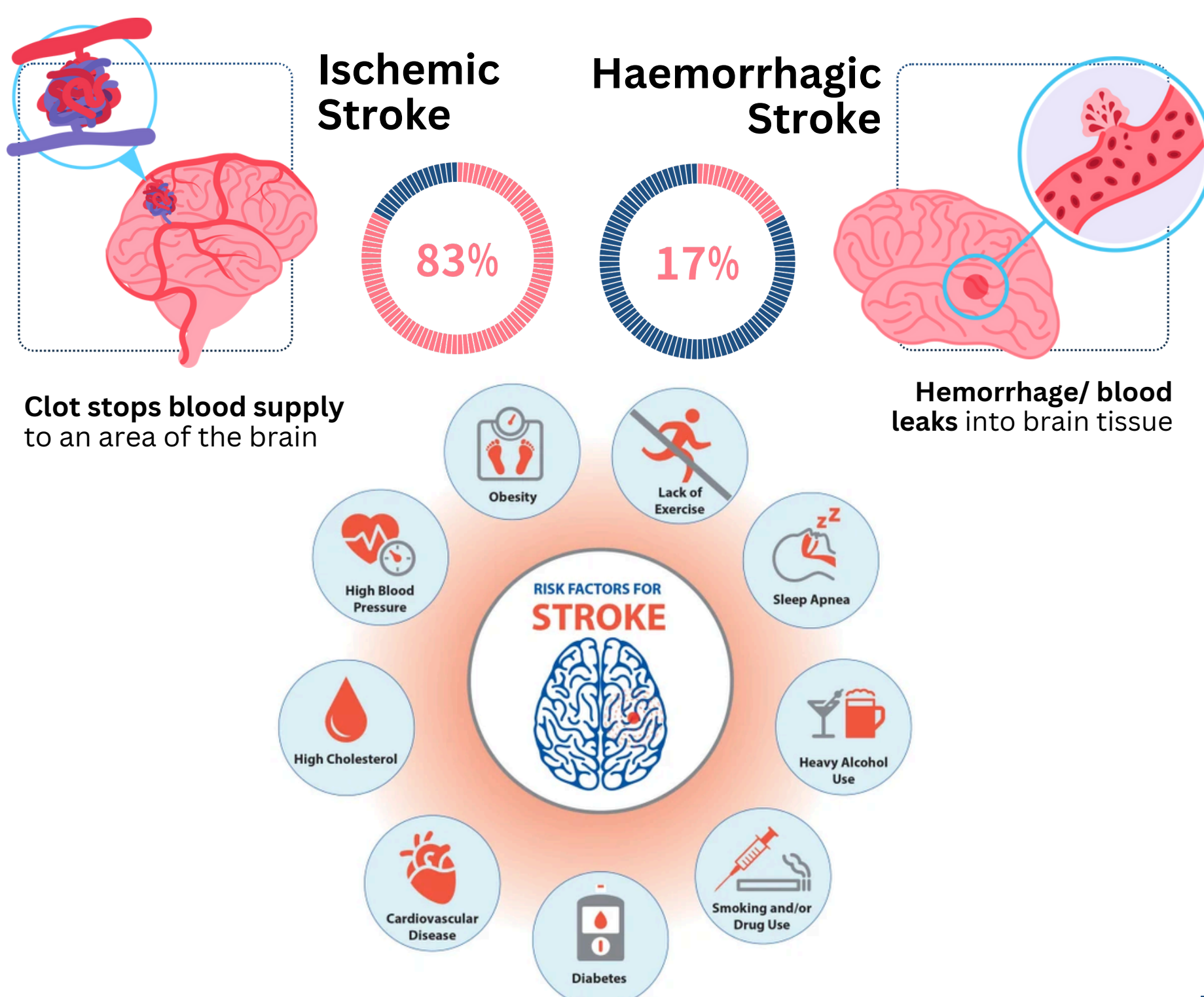
FACTSHEET

Enchancing stroke care in Malaysia

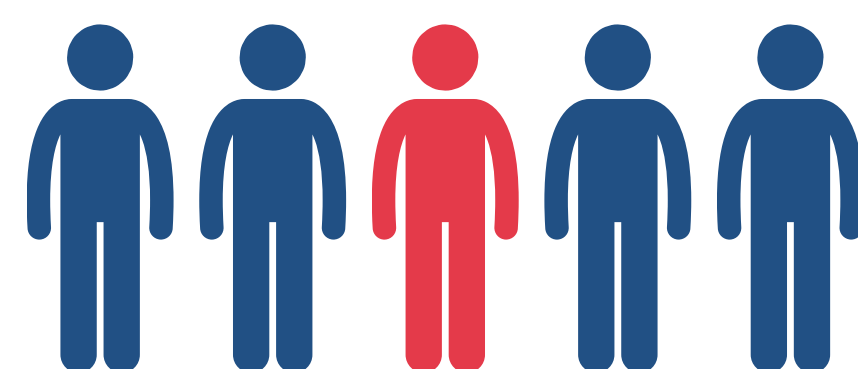
August 2024



50,000
annual
incidence



Stroke is a common and **leading cause** of mortality and morbidity in the country



1 in 5 adults

over 25 years of age might experience a stroke

Advancements in ischemic stroke treatment

There are treatments for stroke!

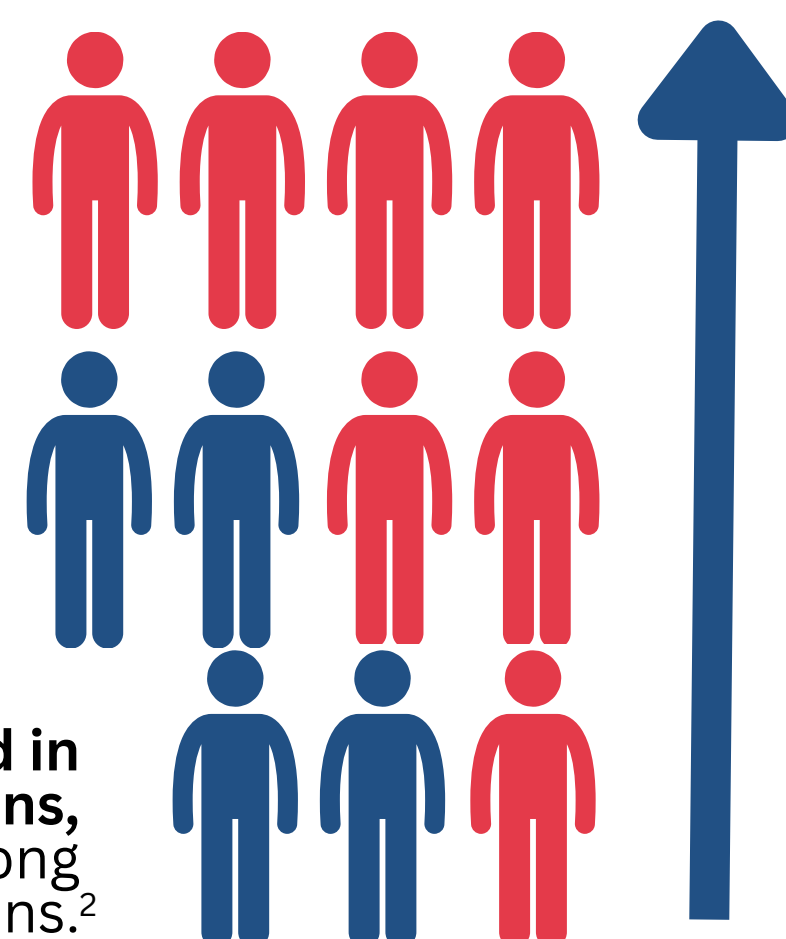
However, we need to be fast and have better access to the treatment options.

Thrombolysis, thrombectomy, stroke care unit, optimal prevention treatment and rehabilitation.

Around 50% patients arrived > 6 hours from stroke onset¹

Stroke treatment is proven to be **cost-effective**.

Increasing trend in stroke admissions, especially among younger populations.²



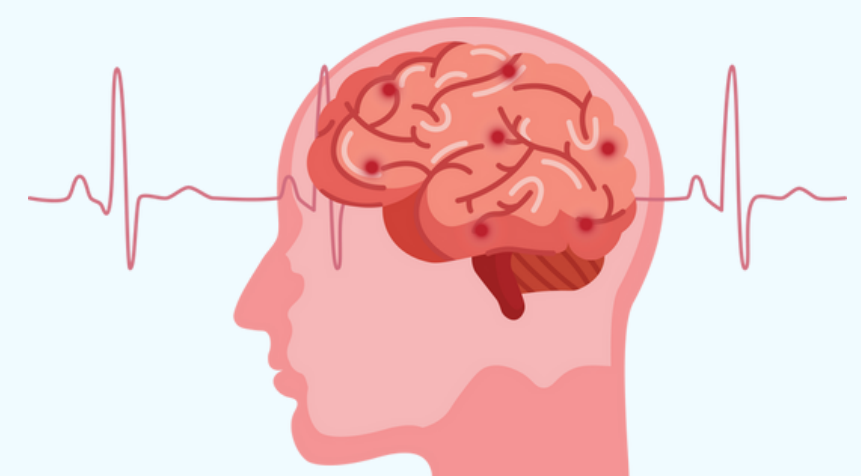
1. Malaysian Stroke Council (2022). Malaysia Stroke Conference 2022 - Report and Stroke Update. <https://www.strokecouncil.org/wp-content/uploads/2023/05/Malaysia-Stroke-Conference-2022-Report-and-Stroke-Update050523.pdf>

2. National Neurology Registry. Annual Report of The Malaysian Stroke Registry 2009-2016. <https://www.macr.org.my/nneur>

What are the current challenges?

- **Inadequate Funding.** Insufficient resources hinder service expansion.
- **Poor Public Awareness: Lack of knowledge** on early detection and treatment options.
- **Shortage of Stroke Experts. Limited number of trained specialists.**
- **Need for More Stroke Care Units:** Expansion is crucial for comprehensive care.
- **Informal Stroke Networks. Need for formal networks** to improve public accessibility.
- **Limited Access** to Thrombolysis and Mechanical Thrombectomy
- **Post-Stroke Rehabilitation Gaps.** Need for accessible rehabilitation services.

Financial support from the government is essential to provide the best possible care for the community



Capacity building

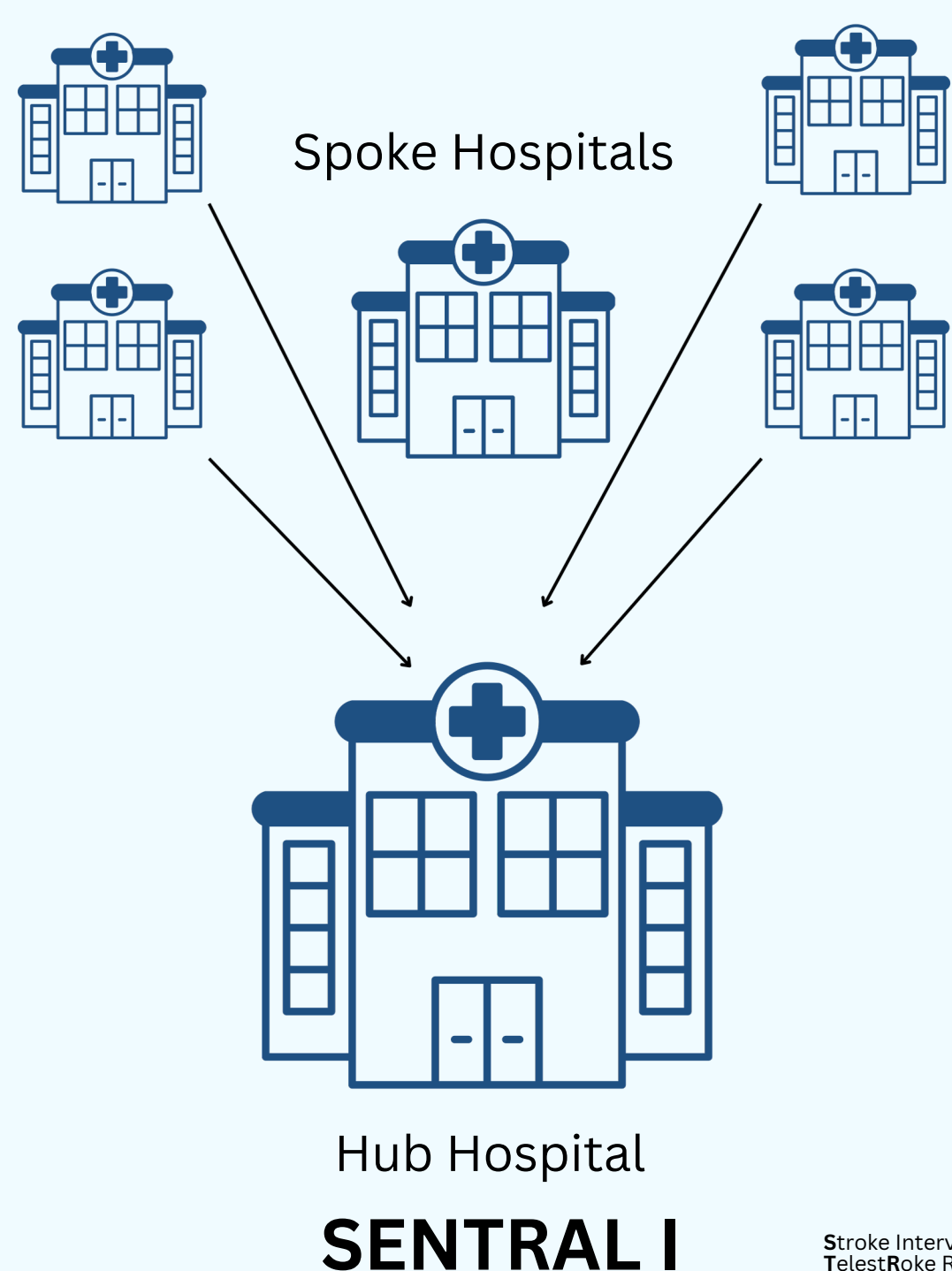
- ✓ Specialist and medical officers receive comprehensive training
- ✓ Increase the number of neurologists
Thailand - 1.17 Neurologist / 100 000 population
Malaysia - 0.43 / 100 000 population
- ✓ Increase the number of stroke neurologists and interventionalists to perform mechanical thrombectomy



Stroke services and infrastructure

- ✓ Stroke Care Unit
- ✓ Telestroke
- ✓ Thrombolysis
- ✓ Thrombectomy devices
- ✓ Post-stroke rehabilitation

Stroke IntervENTion & TelestRoke RegionAL Initiative the Malaysian Telestroke Programme



Stroke IntervENTion & TelestRoke RegionAL Initiative (SENTRALI)

A robust Telestroke Network

Connecting healthcare providers for real-time communication and decision-making in stroke management.

Stroke Prevention Awareness

Through educational programs, workshops, and media campaigns.

Education and Training

Provide training to healthcare professionals on stroke intervention protocols, telestroke technology, and evidence-based practices. This includes educating paramedics, nurses, and physicians on recognizing stroke symptoms and administering timely treatment.

Data Collection and Analysis

Establish a centralized database for stroke-related data collection, analyze regularly to identify trends and areas for improvement.

Emergency Medical Services

Work with EMS to improve stroke triage and transport by enabling early identification and prompt activation of telestroke network.

Research and Innovation

Foster research collaborations for novel interventions, telemedicine, and stroke-related technologies. Encourage innovation in stroke care delivery and update practices based on emerging evidence.