

Bringing science to life

# Spotlight on... Stroke

Stroke is a **highly prevalent** and **life-threatening** condition that starves the brain of oxygen and vital nutrients<sup>1</sup>



**1 in 4** adults will have a stroke in their lifetime<sup>2</sup>



A new stroke occurs **every 40 seconds** in the US<sup>1</sup>

There are 2 types of stroke:<sup>1</sup>



## ISCHAEMIC STROKE

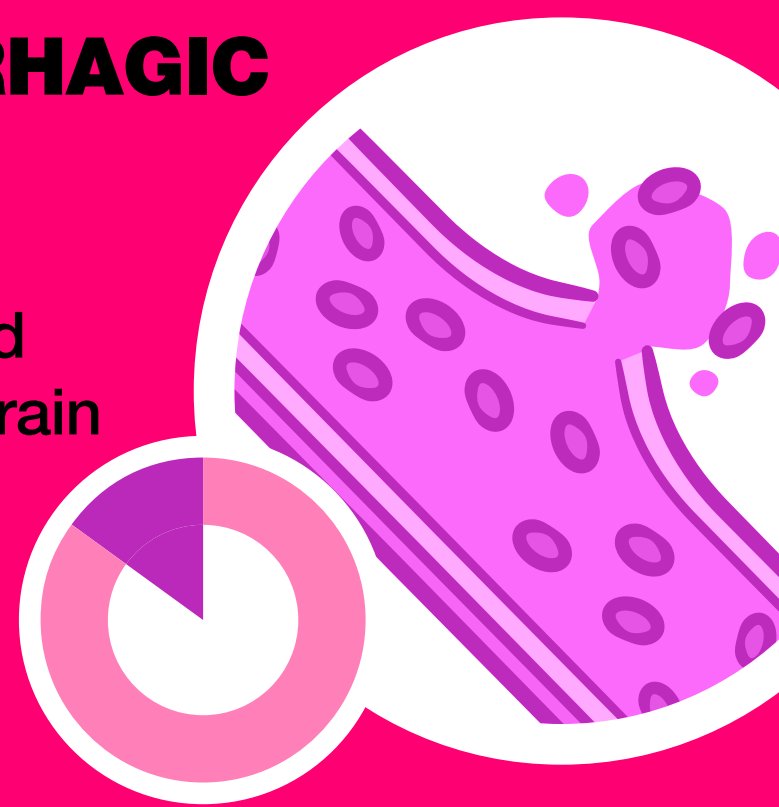
Caused by a **blockage** in a brain artery

**85%** of strokes

## HAEMORRHAGIC STROKE

Caused by a **rupturing** blood vessel in the brain

**15%** of strokes



A CT or MRI scan is used to diagnose what type of stroke a patient has<sup>1</sup>

Prompt and effective treatment of stroke can save lives and prevent long-term disability<sup>3</sup>

## ISCHAEMIC STROKE

**Fibrinolytic therapy** dissolves blood clots<sup>1,3</sup>

**Thrombectomy** mechanically removes blood clots using a catheter<sup>1,3</sup>



## HAEMORRHAGIC STROKE

**Craniotomy** may be necessary to remove blood from the brain and to repair burst blood vessels<sup>3</sup>



1. StatPearls [Internet]. Acute Stroke. <https://www.ncbi.nlm.nih.gov/books/NBK535369/>. Accessed 12 May 2022. 2. World Stroke Organization. <https://www.world-stroke.org/world-stroke-day-campaign/why-stroke-matters/learn-about-stroke#:~:text=Stroke%20has%20already%20reached%20epidemic,a%20stroke%20in%20their%20lifetime>. Accessed 12 May 2022. 3. NHS. Stroke treatment. <https://www.nhs.uk/conditions/stroke/treatment/>. Accessed 12 May 2022.