

SENTINEL

01 MISSION STATEMENT

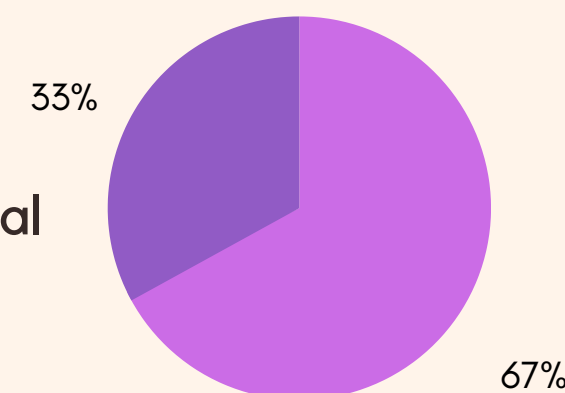
We are Project Sentinel, and we are creating software to monitor the stability of the neuronal activity of patients recovering from ischaemic stroke **over time**, and provide **continuous visual output** to nurses and doctors to **improve the efficiency and effectiveness** of patient monitoring.



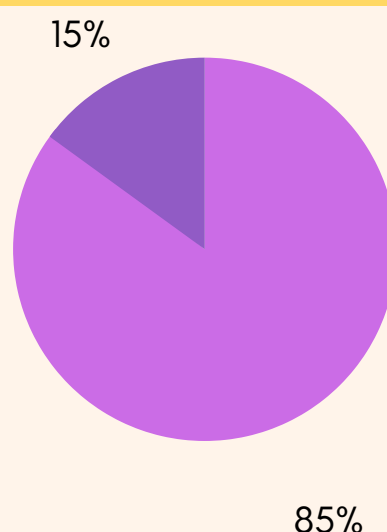
02 UNMET CLINICAL NEED

40 000 new stroke cases every year in Australia

33% need extended hospital stay



15% mortality rate within 90 days



03 IMPACT OF SOLUTION

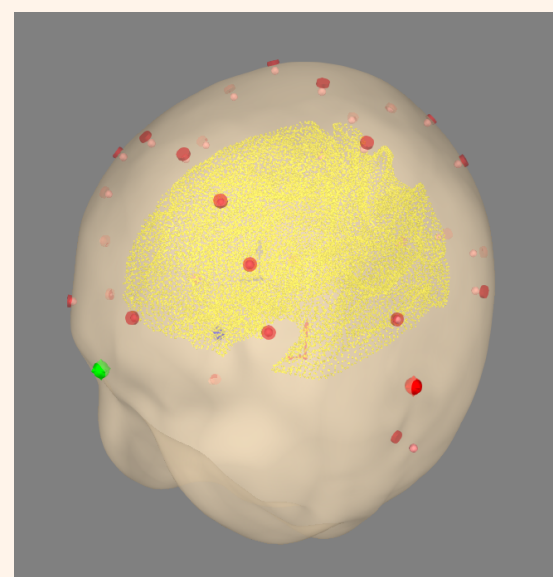
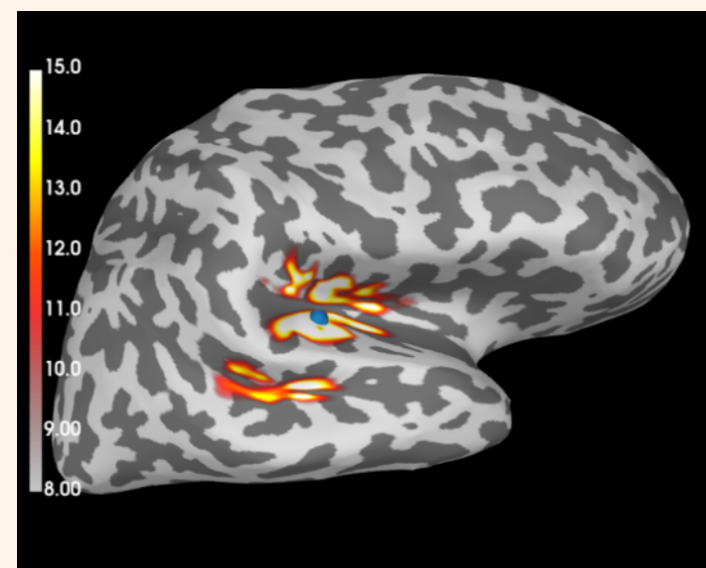
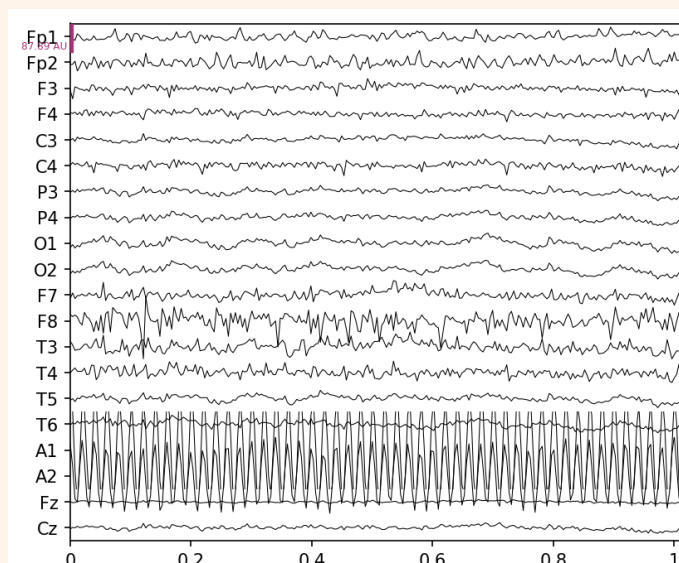
- Saves the global economy **\$247 billion dollars** (USD), if allowed to expand internationally
- Reduces mortality rates of patients who have experienced an ischaemic stroke
- Reduces burden on neurology department hospital staff



04 SOLUTION

The software uses EEG signals and an inverse solution to create a visual output of brain areas with decreased electric activity.

- Intuitive interface
- Timely preventative treatment



05 TIMELINE

2023 **2024** **2026** **2027** **2028**

Research

Prototyping

Clinical trials

TGA Approval