

# Alarming seizures

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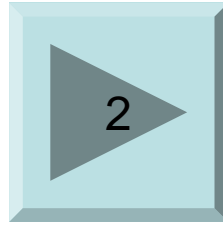
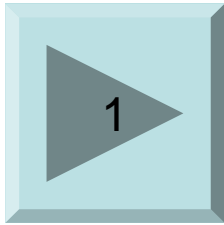
Edinburgh

- Brief description of the condition
- The issue of seizures and danger to life
- How Speckled computing may help

# Epilepsy

- ‘A sudden change in electrical activity of the brain usually accompanied by a subjective or objective change in behaviour’

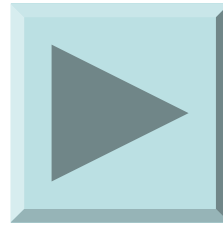
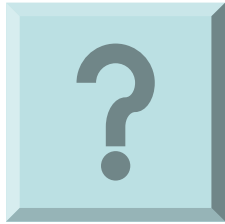
# Some examples



# Mortality in paediatric epilepsy

- Children with symptomatic epilepsy had a 22-fold increased mortality risk compared to the general paediatric population
  - with a mortality of 11.5/1000 person-years compared to the general population of approximately 0.5/1000 person-years

# SUDEP



# What is the potential role of Speckled computing?

- Develop an alarm system
  - Reliable
  - Easy to use
  - Minimal interference with sleep
- Other potential uses
  - Analysing Video-telemetry data

Questions?