

## WHAT IS THE BEE STUDY?



Brain Development in Early Epilepsy (BEE)

- This study aims to track children from their first seizures through to preschool age to understand how early brain development and epilepsy features affect later skills and behaviour.
- Children are assessed at 4 timepoints between age 10 months and 6 years.

## HOW HAS UKIST SUPPORTED THE BEE STUDY?

### Supporting the delivery of the infant phase of the BEE Study

1

Raising study **awareness** to families within the epilepsy community.

**62** families to date are actively involved in the infant phase.

**174** remote and home-based research visits conducted.

**87%** of eligible infants completed two or more timepoints.

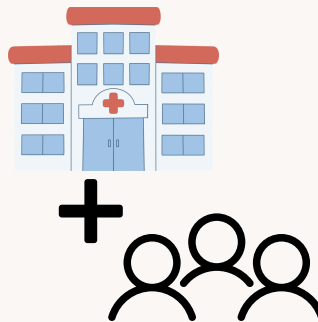
Funding was used to support data collection and visit delivery. This makes sure that the research team is able to collect as much high quality data as possible across the study window.

### Enabling innovation through the vCreate Neuro collaboration

2



Families can use a **secure** platform to share smartphone-recorded videos for remote clinical and research use.



- **Clinical Engagement** with clinical teams in London & Glasgow to support development.
- **Engagement** with a public advisory group on the use of AI in childhood epilepsy research.

Funding supported early integration and feasibility work exploring how developmental video data can be combined with longitudinal cognitive and brain measures.

### Laying foundations for a successful preschool phase with infantile spasm community co-design

3

**Public involvement activities** and support for a **participant advisory group** to aid with the development of preschool protocols, assessments, visit structures and family burden considerations.

