NIHR
HealthTech Research Centre

RCPCH
Royal College of Paediatrics and Child Health
Leading the way in Children's Health

Paediatrics and Child Health Technology Conference 2026

2-3 December 2026 | In-Person & Online



PROGRAMME

Hosted by

Creating healthier futures
National Centre for Child Health Technology

NHS
Sheffield Children's
NHS Foundation Trust

WELCOME

We are delighted to welcome you to the inaugural Paediatrics and Child Health Technology Conference.

The conference is bringing together speakers and delegates from across healthcare, industry, academia, charities, and research funders to explore the latest technological advancements, discuss research breakthroughs, and develop interdisciplinary collaborations.

Welcome to the Paediatrics and Child Health Technology Conference - where the future of child health begins and every voice matters.

This hybrid event is taking place on Wednesday 2nd and Thursday 3rd December 2026, and is being hosted online and in-person at The Spark, Sheffield Children's new world-class facility and home to the National Centre for Child Health Technology.



ORGANISERS

The conference is being co-organised by the NIHR HealthTech Research Centre in Paediatrics and Child Health and the Royal College of Paediatrics and Child Health.

NIHR | HealthTech Research Centre

The NIHR HealthTech Research Centre (HRC) in Paediatrics and Child Health is a national organisation that aims to transform the health and wellbeing of children, young people, and their families by accelerating the development and adoption of healthcare technologies.

The NIHR HRC in Paediatrics and Child Health team founded the global Child Health Technology (CHT) conference in 2021, with three further, successful conferences held since.

RCPCH
Royal College of Paediatrics and Child Health
Leading the way in Children's Health

The Royal College of Paediatrics and Child Health (RCPCH) is the professional body for paediatricians in the United Kingdom.

The RCPCH launched the inaugural Digital Paediatrics conference in November 2025 to inspire and empower delegates to harness emerging technologies to drive better outcomes for children's healthcare.

HOSTED BY SHEFFIELD CHILDREN'S

Creating healthier futures
National Centre for Child Health Technology

NHS
Sheffield Children's
NHS Foundation Trust

The brightest minds in child health technology are joining together for the conference at Sheffield Children's world-first National Centre for Child Health Technology (NCCHT).

Sheffield Children's NHS Foundation Trust is a national leader in children's health with an international reputation in world-leading research and innovation, which changes children's lives every single day.

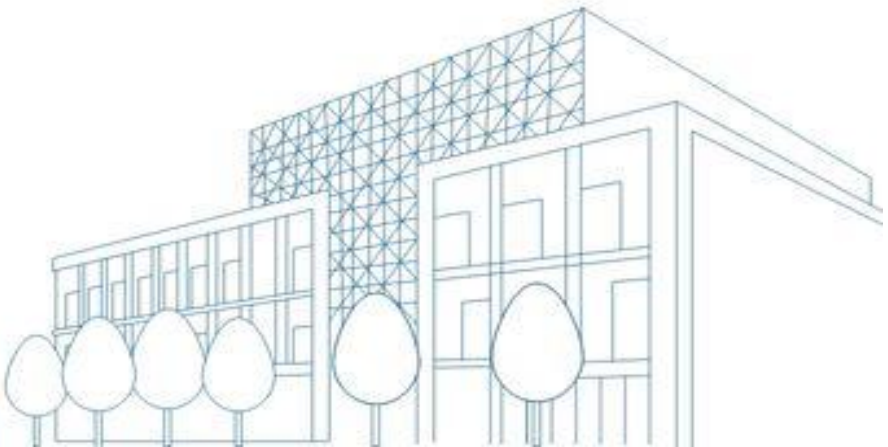
In 2026, Sheffield Children's celebrates 150 years of outstanding care, compassion, and progress. During this milestone year, Sheffield Children's has opened the NCCHT to transform children's healthcare through innovation, research, and technology.

The NCCHT brings together clinicians, researchers, industry partners, and around 200 patients a day to co-create new technologies - developed with and for children.

This unique environment aims to accelerate the design, testing, and adoption of safe and effective child-focused health technologies, and bring new ideas into children's healthcare to change lives and improve how we deliver care.

The NCCHT is based at the Sheffield Olympic Legacy Park – a thriving ecosystem of world-class sport, education, research, and innovation.

The conference offers an exciting chance to visit the NCCHT and discover more about the world-class facilities and opportunities available.



SPONSORS AND PARTNERS

Please note that this event is supported by industry sponsorship, including pharmaceutical and medical technology companies. Sponsors have no influence over the agenda or the selection of speakers, except for sponsored sessions which will be clearly labelled in the programme.

With thanks to our Gold Sponsor

MERCK

merckgroup.com

With thanks to our Silver Sponsors

NEURAXPHARM
Your CNS specialist

neuraxpharm.com

NIHR | Research Delivery Network

rdn.nihr.ac.uk

With thanks to our Bronze Sponsors

medipex
healthcare innovation hub

medipex.co.uk

Laerdal
helping save lives

laerdal.com

Supported by

Marketing Sheffield

welcometosheffield.co.uk

WEDNESDAY 02 DECEMBER

Please note that the programme is subject to change.

TIME (GMT)	SESSION	DETAILS
08:00 - 09:00	**ARRIVAL AND REGISTRATION**	Refreshments (served in the networking area)
09:00 - 09:20	**Welcome Address**	**Prof Paul Dimitri** Director, *NIHR HealthTech Research Centre in Paediatrics and Child Health* **Prof Steve Turner** President, *Royal College of Paediatrics and Child Health*
09:20 - 09:50	**Seminar:** AI in Paediatric Health – How do we see through all the hype and noise?	**Prof Andrew Taylor** Director of Innovation, *Great Ormond Street Hospital NHS Foundation Trust*
09:50 - 10:20	**Keynote:** Do we need humans to make a diagnosis of neurodevelopmental conditions in children and young people?	**Dr Venkat Reddy** Clinical Lead, *NHS England GIRFT (Getting It Right First Time) CYP Neurodevelopmental Pathways*
10:20 - 10:50	**Innovation Journey: NHS Clinical Entrepreneur Programme**	
	Innovations emerging from the NHS Clinical Entrepreneur Programme (CEP) and how to join the CEP for those with new ideas	**Dr Tamsin Holland Brown** Clinical Lead, *NHS Clinical Entrepreneur Programme*
	It's not just about the tech - how to commercialise your innovation	**Dr Louise Allen** Consultant Paediatric Ophthalmologist, *Cambridge University Hospitals NHS Trust*
	My PICU Story with CARE: A mental health support tool for families of seriously ill children	**Dr Nazima Pathan** Associate Professor in Paediatric Intensive Care, *University of Cambridge*
10:50 - 11:20	**BREAK**	Refreshments served in the networking area and Future Innovation Zone, Sponsor Exhibits, Future Innovation Zone, Poster Presentations are open

Continued overleaf

WEDNESDAY 02 DECEMBER CONTINUED

TIME	SESSION	DETAILS
11:20 - 11:50	**Seminar:** Innovation without Exclusion: Medical Technology and health inequalities in young people's heath	Presented by: **Ahmed, Hamnah, Hanin, Jack and Toby,** *RCPCH &Us volunteers* Supported by: **Anita Sehdev,** Youth Voice Advisor, *RCPCH,* & **Stella Baynes,** Children and Young People's Engagement Coordinator, *RCPCH*
11:50 - 12:05	**Spotlight:** Child health in England and the implications for research	**Alexandra Norrish** Managing Director, *Children's Hospital Alliance*
12:05 - 12:45	**Sponsored Seminar:** Supporting the Journey: Digital Health for Children and Families in Diabetes and Growth Hormone Care From Conversations to Clinical Insights: Using AI to Support Patient Care	***Sponsored by Merck*** **Dr Luis Fernandez-Luque** Research Director, *Adhera Health, Spain* **Dr Paula van Dommelen** Scientist, *The Netherlands Organization for Applied Scientific Research (TNO)*
12:45 - 13:40	**LUNCH**	Refreshments (served in networking area), Sponsor Exhibits, Future Innovation Zone, Poster Presentations
13:40 - 13:45	**Welcome**	**Dr Tamsin Holland Brown** Clinical Lead, *NHS Clinical Entrepreneur Programme*
13:45 - 14:15	**Keynote:** Inequalities in health and innovation for children, young people, and families	**Prof Mark Mon-Williams** Chair in Cognitive Psychology, *University of Leeds*
14:15 - 14:45	**Seminar**: Sustainable HealthTech Innovation How do we develop HealthTech for people, planet and profit? NIHR Net Zero Catalyst	 **Harris Slater** Strategic Collaborations Manager, *NIHR HealthTech Research Centre Network* **Matt Willox** Designer, *Co-Lab 3*

Continued overleaf

WEDNESDAY 02 DECEMBER CONTINUED

TIME	SESSION	DETAILS
14:45 - 15:15	**Abstract Presentations:**	
	Is Virtual Care Safe for Children? Safety Outcomes from a Technology Enabled District General Hospital Paediatric Virtual Ward	**Dr Yanny Delgado** *Queen Elizabeth Hospital King's Lynn*
	Sleep in Children with ADHD: Integrating Parent-Reported Sleep, Bedtime Behaviours and Actigraphy-Derived Sleep Outcomes	**Surabhi Srivastava** *University of Southampton*
	Closing the Safety Communication Gap Between Clinical Care and Trial Site: Development of a Location-Aware Wearable for Paediatric Oncology Clinical Trials	**Dr Elizabeth Johnson** *Montana State University*
15:15 - 15:45	**BREAK**	Refreshments (served in the networking area and Future Innovation Zone), Sponsor Exhibits, Future Innovation Zone, Poster Presentations Open
15:45 - 16:30	**Panel Discussion:** NHS 2048	**Richard Burley (Chair)** Executive Director of Digital, *Royal College of Paediatrics and Child Health* **Joined by a panel of experts across health, innovation, education and policy.**
16:30 - 17:00	**Keynote:** The NHS Modern Service Framework for Children and Young People – translating technology into improved care	**Prof Simon Kenny OBE** National Clinical Director for Children and Young People, *NHS England*
17:00	**Day One Close**	
17:15 - 18:30	**NETWORKING SESSION**	Refreshments served in the networking area

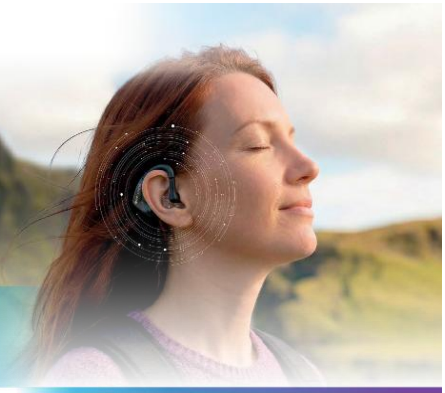
Close of Day One

A NOTE FROM OUR SILVER SPONSORS

NEURAXPHARM® Your CNS specialist is proud to introduce:

episeras®

Episeras®, the Neuraxpharm brand for mjn-SERAS medical device.



Wearable, seizure risk assessment technology suitable for patients 12 years and above

Personalised learning & AI analysis

Episeras® continually captures activity, training the AI on the patient's own signals to assess risk of seizure.

*Warning reflects increased seizure risk, not certainty of seizure occurrence. Diagram is for illustrative purposes only.



To request further information about Episeras® scan this QR code or click here.

Legal and regulatory information:
mjn-SERAS is a Class IIa medical device with CE marking (2797) under Regulation (EU) 2017/745 (MDR), commercialised as Episeras in Europe.
Legal manufacturer: MJN Neuroserveis, S.L., Av. Juan Carlos I, 184 bajos derecha, 17300 Blanes (Spain).
Distributed by: Neuraxpharm UK Ltd. 1st Floor, 1410 Arlington Business Park, Theale, Reading, RG7 4SA
Please read the Instructions for Use (IFU) before use, see below.

Medical devices have associated risks, please refer to the contraindications, notices and warnings section of the Instructions for Use available by **scanning this QR code or click here.**

Intended purpose of the Episeras® device:
The continuous assessment of the epilepsy seizure risk and the warning against a high risk of suffering it, in previously diagnosed patients.

Adverse events should be reported. Healthcare professionals are asked to report any suspected adverse reactions. UK reporting forms and information can be found via the Yellow Card Scheme at yellowcard.mhra.gov.uk/ or search for MHRA Yellow Card in the Google Play or Apple App Stores. Adverse events should also be reported to Neuraxpharm UK Ltd by emailing pv-uk@neuraxpharm.com

MAT-GB-EPI-0055 I Nov 2026
Created and funded by Neuraxpharm

NIHR | Research Delivery Network

Once a research study in the UK is approved and funded, **what happens next? How does it reach the right places and people to make it happen? How does it harness the UK resources in the best way to deliver the best outcomes and greatest impact?**

This is where the **NIHR Research Delivery Network (RDN)**, funded by the public, for the public, comes in. We invest in the UK's health and care workforce and infrastructure, **building up its capacity and expertise** to deliver **life-changing research and innovation across the nation.**

Find out more about our offer at **rdn.nihr.ac.uk**

Contact our team in Yorkshire and Humber:
yh.rrdn@nihr.ac.uk

20 Years Powering life-changing research

THURSDAY 03 DECEMBER

TIME	SESSION	DETAILS
08:30 - 09:00	**ARRIVAL AND REGISTRATION**	Refreshments (served in the networking area)
09:00 - 09:10	**Welcome**	**Dr Nicole Samuel** Commercial Director, *Sheffield Children's National Centre for Child Health Technology*
09:10 - 09:25	**Spotlight:** Open Source (Is The Only Way You'll Get) Digital PEWS Charts	**Dr Marcus Baw** General Hacktitioner - Software Developer/CSO, *RCPCH Incubator*
09:25 - 09:55	**Seminar:** "Not just a voice: the right to influence" – Reimagining children and young people's involvement in health technology innovation	**Jennifer Preston** Patient and Public Involvement and Engagement Executive Lead, *NIHR HealthTech Research Centre in Paediatrics and Child Health* **Dr Gemma Wheeler** Senior Project Manager, *NIHR HealthTech Research Centre in Paediatrics and Child Health*
09:55 - 10:25	**Abstract Presentations:**	
	Paediatric-Specific AI for Fracture Detection: From Common Wrist Fractures to Complex Monteggia Injuries	**Adrian Joseph OBE** & **Dr Kristofer Linton-Reid** *JuveX.AI*
	The power of standardisation – Adopting the Observations Medical Outcomes Partnership Common Data Model (OMOP CDM) to enable insights from cardiac benchmarking across multiple European paediatric centres	**Dr Lydia Briggs** *Great Ormond Street Hospital for Children NHS Foundation Trust*
	SipSmart: Digitising Trial of Fluids for Children in the Emergency Department	**Dr Teya Cardinal** *Alder Hey Children's Hospital*
10:25 - 10:55	**BREAK**	Refreshments (served in the networking area and Future Innovation Zone), Sponsor Exhibits, Future Innovation Zone, Poster Presentations

Continued overleaf

THURSDAY 03 DECEMBER CONTINUED

TIME	SESSION	DETAILS
10:55 - 11:25	**Seminar:** Clinical Investigations of Medical Devices in the NHS: A Clinical Engineering Perspective	**Dr Sarah Bolton** Business Manager, *Centre for Healthcare Equipment and Technology Adoption* **Kate Allan** Director, *ExpHand Prosthetics Ltd*
11:25 - 11:40	**Spotlight:** From Side Project to System: What Operational AI Could Do for the NHS, and Who Should Own It	**Charlie Winstanley** Director of Operations, *Guy's and St Thomas' NHS Foundation Trust*
11:40 - 12:25	**Panel Discussion:** Growing Need vs Chronic Underinvestment: How Do We Close the Child Health Funding Gap	**Dr Nicole Samuel (Chair)** Commercial Director, *Sheffield Children's National Centre for Child Health Technology* **Dr Ian Newington** Innovation & Industry Engagement Lead, *NIHR HealthTech Research Centre in Brain Injury* **Heather Cook** Managing Director, *Ripple Scale Publishing* **David Cole** Strategic Lead, *Alder Hey Innovation* **Simon Tutton** Co-Founder, *SteamPunk Ventures*
12:25 - 13:45	**LUNCH**	Refreshments (served in the networking area), Sponsor Exhibits, Future Innovation Zone, Poster Presentations
13:45 - 13:50	**Welcome**	**Prof Paul Dimitri** Director, *NIHR HealthTech Research Centre in Paediatrics and Child Health*
13:50 - 14:20	**Keynote:** Using clinical and research evidence to develop best practice in online age estimation: a partnership between the RCPCH & Google	**Dr Claire Lilley** Manager of Responsible AI Testing for Child Safety, *Google* **Dr Michelle Cutland** Consultant Paediatrician, *University Hospitals Bristol and Weston NHS Foundation Trust*

Continued overleaf

THURSDAY 03 DECEMBER CONTINUED

TIME	SESSION	DETAILS
14:20 - 14:50	**Innovation Journey: Robotics for Paediatrics and Child Health**	
	Intelligent Robots in the Education and Care of Children	**Prof Alessandro Di Nuovo** Professor of Machine Intelligence, *Sheffield Hallam University*
	Soft Robotic Technologies for Paediatric Healthcare	**Dr Dana Damian** Senior Lecturer, *University of Sheffield*
14:50 - 15:20	**Abstract Presentations:**	
	The Development and roll out of a bespoke Psychometric Outcomes Platform within Paediatric Psychology	**Dr Steve Jones** *Sheffield Children's NHS Foundation Trust*
	Does Forecasting Fit? Understanding the Distributed Work of Childhood Epilepsy Care and Opportunities for Technology	**Jerusaa Vasikaran** *University of Bristol*
	Longitudinal co-design of a paediatric wearable medical device: involving children and families throughout product development	**Prof Annegret Dahlmann-Noor** *Myolight* **Jasmine Noor** *NIHR Moorfields BRC eye-YPAG*

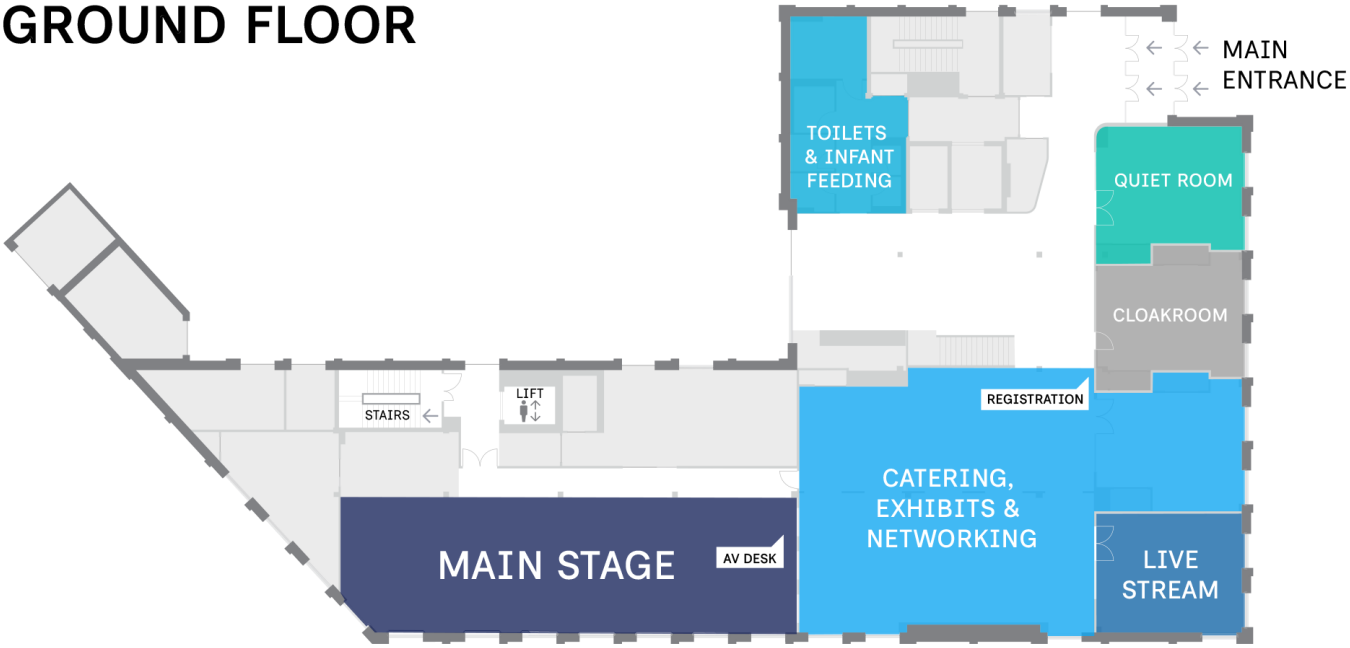
Continued overleaf

THURSDAY 03 DECEMBER CONTINUED

TIME	SESSION	DETAILS
15:20 - 15:50	**BREAK**	Refreshments (served in the networking area and Future Innovation Zone), Sponsor Exhibits, Future Innovation Zone, Poster Presentations
15:50 - 16:05	**Spotlight:** AI Youth Council	**Dr Qasim Malik** AI Academic Clinical Fellow, BRIGHT Team, *University of Birmingham*
16:05 - 16:35	**Innovation Journey: Neonatal Health Technologies**	
	Developing technologies for unique needs of high-risk newborns	**Prof Don Sharkey** Professor of Neonatal Medicine & Technologies, *University of Nottingham*
	Non-invasive monitoring in NICU	**Prof Kathryn Beardsall** Consultant Neonatologist, *Cambridge University Hospitals NHS Trust*
16:35 - 17:05	**Keynote:** Take the test to the child: reimagining paediatric diagnostics	**Dr Chris Bird** Deputy Theme Lead for Acute Paediatrics and Infections, *NIHR HealthTech Research Centre in Community Healthcare*
17:05 - 17:15	**Close**	**Prof Paul Dimitri** Director, *NIHR HealthTech Research Centre in Paediatrics and Child Health*

MAP OF THE CONFERENCE VENUE

GROUND FLOOR



SECOND FLOOR





On demand content will be available to rewatch for one month after the conference. Thank you for being a part of PCHT 2026!

Contact Details

hrc-children@nihr.ac.uk

www.hrc-children@nihr.ac.uk/
pcht-conference

#PCHT2026

NIHR
HealthTech
Research Centre

RCPCH
Royal College of
Paediatrics and Child Health
Leading the way in Children's Health