

cht
2025

child health technology
CONFERENCE

ONLINE 11-12 JUNE 2025

BUILDING A GLOBAL CHILD HEALTH
TECHNOLOGY COMMUNITY



FULL PROGRAMME

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Paediatrics and child health

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WELCOME



Welcome to the 4th Child Health Technology Conference, CHT 2025. Over the last 3 years we have delivered fantastic presentations, seminars, panels, and technology showcases, inspiring hundreds of delegates across the world. We have fostered and expanded a Global Child Health Technology Community, bringing together delegates and speakers from 33 countries across multiple continents. These gatherings have served as a platform for discussing ground-breaking innovation and technological advances aimed at improving the health and healthcare of children and young people. To ensure our global community remains connected and engaged, CHT 2025 will continue to be hosted on a virtual platform.

This two-day conference will feature inspiring keynote addresses from leading international experts, insightful seminars led by pioneers

in child health innovation, spotlight sessions showcasing cutting-edge research, and interactive live Q&A discussions for delegates. We are also thrilled to bring back the highly popular live panel discussion, a staple of previous CHT conferences.

As global healthcare rapidly evolves, progress in technology and the increasing role of artificial intelligence are unlocking new possibilities for paediatric health. Yet, alongside innovation comes fresh challenges. Now, more than ever, collaboration is key - working together across networks to drive collaboration will be essential in driving progress and improving child health worldwide. As a united global community, we have the power to transform healthcare for children and young people everywhere.

I hope that our two-day conference inspires you.

A stylized, handwritten signature in black ink, consisting of a large 'P' and 'D' followed by a horizontal line.

Professor Paul Dimitri
Founder of the Child Health
Technology conference

WEDNESDAY 11TH JUNE

ON DEMAND CONTENT

Conference Programme, Speakers, Posters, Sponsors and Networking Padlet are available any time.
All conference content will be available to watch on demand for one month following CHT2025 for all delegates.

LIVESTREAM CONTENT

TIME (GMT)	SESSION	DETAILS
08:40 - 08:45	Welcome	Professor Paul Dimitri Director, <i>NIHR HealthTech Research Centre in Paediatrics and Child Health, UK</i>
08:45 - 09:25	Breakfast Seminar	Children's Growth Charts - from paper to digital Dr Simon Chapman Consultant Paediatrician, <i>Royal College of Paediatrics and Child Health, UK</i> RCPCH Incubator: A New Model for Royal Colleges: Best Practice As Code Dr Marcus Baw GP & Software Developer, <i>Royal College of Paediatrics and Child Health, UK</i>
09:25 - 09:30	BREAK	
09:30 - 09:35	Welcome	Professor Paul Dimitri Director, <i>NIHR HealthTech Research Centre in Paediatrics and Child Health, UK</i>
09:35 - 09:55	Keynote	NHS Clinical Entrepreneur Programme: Introduction to the programme Dr Tamsin Holland-Brown Paediatrician, <i>Cambridgeshire Community Services NHS Trust, UK</i>
09:55 - 10:35	Seminar: Artificial Intelligence in Paediatric Healthcare	AI in Paediatric Care: From Code to Clinic Dr Rebecca Pope UK Digital & Data Science Lead, <i>Roche, UK</i> Machine Learning and Electronic Health Record Analysis for Decision-Support in Paediatric Medicine Professor Payam Barnaghi Chair in Machine Intelligence Applies to Medicine, <i>Imperial College London, UK</i>

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WEDNESDAY 11TH JUNE

LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
10:35 – 10:55	Spotlight	Integrating technology into Psychometric Outcomes in Paediatric Settings Dr Stephen Jones Principal Clinical Psychologist, <i>Sheffield Children's NHS Foundation Trust, UK</i>
10:55 – 11:10		BREAK
11:10 – 11:50	Seminar	Transforming Child Health: Leveraging global health lessons to drive equity, diversity, and inclusion through digital innovation Professor Michelle Heys NIHR & UCL Professor of Global Child Health, <i>UCL Great Ormond Street Institute of Child Health, UK</i>
11:50 – 12:00	Abstract	The co-produced EPID Tool: Early Parent Interaction with Deaf Children Dr Martina Curtin, <i>City, University of London, UK</i> Alison Miles, <i>Co-production partner</i>
12:00 – 12:10	Abstract	Advancing Digital Solutions for Healthcare Transition: Transition Workshop Insights from the NIHR HRC in Paediatrics and Child Health Jacob Branchflower <i>NIHR HealthTech Research Centre in Paediatrics and Child Health, UK</i>
12:10 – 12:20	Abstract	Proof of Concept for an AI-Powered Pipeline in Paediatric Radiology Louise Rigny <i>Great Ormond Street Hospital for Children DRIVE, UK</i>
12:20 – 12:30	Abstract	Co-creating a Novel Digital Storybook for Children with an Ultra-Rare Disease: Empowering Young Patients with Atypical Haemolytic Uraemic Syndrome (aHUS) Dr Louis Stokes, <i>Cognitant Group Ltd., University of Sheffield, UK</i> Nadira Bullock, <i>Alexion AstraZeneca Rare Disease, UK</i>
12:30 – 12:55	Seminar	It's not all about the idea! Tackling implementation challenges in healthcare Dr Louise Allen Consultant Paediatric Ophthalmologist, <i>Cambridge University Hospitals NHS Foundation Trust, UK</i>

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WEDNESDAY 11TH JUNE

LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
12:55 – 13:30		BREAK
13:30 – 13:35	Welcome	Professor Meena Balasubramanian Professor of Medical Genetics and Genomic Medicine, <i>University of Sheffield</i> ; Clinical Director for Research, <i>Sheffield Children’s NHS Foundation Trust, UK.</i>
13:35 – 14:40	Seminar: Early Career Researchers	Measuring the Future: Innovative Approaches to Child Body Measurements in Obesity Research Dr Alice Bullas Senior Research Fellow, <i>Sheffield Hallam University, UK</i> How did I get here? The career progression of a Wellcome Early Career Awardee Dr Felicity Fitzgerald Wellcome Trust Senior Clinical Research Fellow, <i>Imperial College London, UK</i> Human-centred healthcare innovation Dr Sheena Visram Chair of IXN for Good, <i>University College London, UK</i>
14:40 – 15:10	Keynote	Using digital twins to assess bone strength in children Professor Amaka Offiah Professor of Paediatric Musculoskeletal Imaging, <i>University of Sheffield, UK</i> Dr Xinshan Li Senior Lecturer, <i>University of Sheffield, UK</i>
15:10 – 15:55	Seminar: Innovator’s Journey	BBB shuttles to efficiently transport drugs to the brain Dr Meritxell Teixido CEO & Co-Founder, <i>Gate2Brain, Spain</i> From Innovation to Impact: How EnrichMyCare is Reshaping Paediatric Care Saran Muthiah CEO & Founder, <i>EnrichMyCare</i> ; NHS Clinical Entrepreneur & Specialist Paediatric Physiotherapist, <i>UK</i>
15:55 – 16:10		BREAK

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LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
16:10 – 16:20	Abstract	Patient Engagement in evaluation of 3D-designed custom-made Integrated Mask/Headgear for Children using Non-Invasive Ventilation Professor Heather Elphick <i>Sheffield Children’s NHS Foundation Trust, UK</i>
16:20 – 16:30	Abstract	Pilot evaluation of 3D-designed custom-made Integrated Mask/Headgear for Children Using Non-Invasive Ventilation Mollie Broadbent <i>University of Sheffield, UK</i>
16:30 – 16:40	Abstract	Empowering Families of Autistic Children: Evaluating the Impact of Heba, a Digital Platform supporting Paediatric Care Management, Coordination and Navigation Sam Milliken-Smith <i>Heba Care, UK</i>
16:40 – 16:50	Abstract	The WEARable Study: Mixed Methods Insights on Multi-sensor Wearables for Infants and Young Children (4-36 months) Emily Hunter <i>Newcastle University Population Health Sciences Institute, NIHR Innovation Observatory, UK</i>
16:50 – 17:30	Specialist session: The National Centre for Child Health Technology	The National Centre for Child Health Technology Jude Stone Programme Director, <i>Sheffield Children’s NHS Foundation Trust</i> KidsUP HealthTech Accelerator Ari Billig, <i>Peili Vision</i> Maddie Julian, <i>Digibete</i> Roisin Molloy, <i>Trimedika</i> Phillippa Hedley-Takhar, <i>XR Therapeutics</i> Greg Burch, <i>Tiny Medical Apps</i> Dr Gemma Wheeler, <i>NIHR HRC in Paediatrics and Child Health</i> KidsUp Young Person’s Advisory Panel, <i>University Technical College Sheffield Olympic Legacy Park</i>
17:30 – 17:45		CLOSE

THURSDAY 12TH JUNE

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LIVESTREAM CONTENT

TIME (GMT)	SESSION	DETAILS
08:35 – 08:40	Welcome	Mr Dauda Bappa Research Theme Manager, <i>Great Ormond Street Hospital Biomedical Research Centre, UK</i>
08:40 – 09:25	Breakfast Seminar: Big Data in Paediatric Innovation	Towards early identification and prevention of child mental health problems: Children and Adolescents Data Resource (CADRE) Dr Rachel Sippy Research Fellow, <i>University of Cambridge, UK</i> Linking National Health and Education Data for Child Health: ECHILD Dr Ania Zylbersztejn Senior Research Fellow in Population Data Science Dr Joachim Tan Senior Research Fellow in Health Data Science <i>UCL Great Ormond Street Institute of Child Health, UK</i>
09:25 – 09:30		BREAK
09:30 – 09:35	Welcome	Mr Dauda Bappa Research Theme Manager, <i>Great Ormond Street Hospital Biomedical Research Centre, UK</i>
09:35 – 10:35	Specialist session: The NIHR HealthTech Research Centre in Paediatrics and Child Health	NIHR HealthTech Research Centre in Paediatrics and Child Health Professor Paul Dimitri, <i>Director</i> Professor Heather Elphick, <i>Long-Term Conditions in Childhood Theme Lead</i> Jess McNeill, <i>Early Life Theme Project Manager</i> Dr Priya Narula, <i>Transition Theme Lead</i> Professor Andrew Taylor, <i>Child Health Artificial Intelligence (CHAIN) Theme Lead</i> Dr Kathryn Beardsall, <i>Mind & Body Integration Co-Theme Lead</i> NIHR HealthTech Research Centre Network Dr Simone Croft, <i>Senior Project Manager and Industry Lead</i>

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THURSDAY 12TH JUNE

LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
10:35 – 10:55	Spotlight	Creating SPACE for Change: Amplifying CYP Voices Through Community Involvement Jen Preston Patient and Public Involvement Policy Manager, <i>University of Liverpool</i> ; PPIE Executive Lead, <i>NIHR HRC in Paediatrics and Child Health, UK</i>
10:55 – 11:10	Spotlight	Children’s oral health and technology – are we falling behind the times? Dr Fiona Sotir Specialist Registrar in Paediatric Dentistry, <i>Charles Clifford Hospital, UK</i>
11:10 – 11:20	BREAK	
11:20 – 12:10	Seminar: Innovator’s Journey	Little Journey: Lessons Learnt from Developing and Scaling a Digital Health Product in the NHS Dr Chris Evans CEO, <i>Little Journey, UK</i> Disaster Innovation and My Accidental Journey to Clinical Entrepreneurship of Leveraging Digital Technology to Overcome Communication Barriers in Healthcare Dr Rachael Grimaldi CEO & Co-Founder, <i>CardMedic</i> ; NHS Anaesthetist, <i>UK</i>
12:10 – 12:20	Abstract	Impact and cost-effectiveness of Neotree, a tool designed to improve neonatal survival in Zimbabwe: interrupted time series and economic evaluation Karlos Madziva <i>Biomedical Research and Training Institute, Zimbabwe</i>
12:20 – 12:30	Abstract	Characterizing a Novel, Environmentally Sustainable Spacer Design for Improved Asthma Drug Delivery: A Combined CFD-MRI Approach Dr Ning Wang <i>Insigneo Institute, University of Sheffield, UK</i>
12:30 – 12:40	Abstract	Coping with Diabetes: A new approach for scaling psychology support across 256 diabetes centres in the UK Maddie Julian <i>Digibete CIC, UK</i>

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THURSDAY 12TH JUNE

LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
12:40 – 12:50	Abstract	The NON-STOP app: Developing a digital self-management intervention for children with Perthes' Disease Adam Galloway, <i>University of Leeds, UK</i> Emma Casimir, <i>HMA Digital, UK</i>
12:55 – 13:10	Spotlight	Digital play interventions for rehabilitation and promoting physical activity among children and adolescents in hospital settings Lærke Winther Physiotherapist, PhD candidate, <i>Rigshospitalet, Denmark</i>
13:10 – 13:40	BREAK	
13:40 – 13:45	Welcome	Professor Paul Dimitri Director, <i>NIHR HealthTech Research Centre in Paediatrics and Child Health, UK</i>
13:45 – 14:15	Live Panel Discussion	Helping organisations navigate technology development and overcome hurdles to adoption of new innovations into clinical practice Chaired by David Cole, MBA Co-Founder, <i>Thinking of Oscar</i> , Director, <i>TOO Futures, UK</i> Panellists: Arnau Valls Esteve, Innovation Engineer and Project Manager, <i>Hospital Sant Joan de Déu Barcelona, Spain</i> Sam Bacon, Associate Consultant, <i>SGB Consulting, UK</i> Dr Iain Hennessey, Paediatric surgeon, <i>Co-Founder and Clinical Director of Innovation, Alder Hey Children's NHS Foundation Trust, UK</i>
14:15 – 14:30	Spotlight	Designing Digital Tools for Parenting & In-the-Moment Support Dr Seray Ibrahim Research Associate, <i>King's College London, UK</i>
14:30 – 15:10	Seminar	The power of video games in representing mental illness Professor Paul Fletcher Consultant Psychiatrist & Professor of Health Neuroscience, <i>University of Cambridge, UK</i>

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LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
15:10 – 15:20		BREAK
15:20 – 15:30	Abstract	Exploring Stakeholder Experiences of Clinical Gait Analysis and Co-Designing Health Assessment Results to Promote Shared Decision Making and Health Literacy Alan Royle <i>Sheffield Children’s NHS Foundation Trust, UK</i>
15:30 – 15:40	Abstract	Advancing Global Child Hearing Care – Learnings from Remote Ear and Hearing Clinics Piloted in Malawi Dr Natalia Glibbery <i>Cambridge University Hospitals NHS Foundation Trust, UK</i>
15:40 – 15:50	Abstract	Enhancing Asthma Management in Young People: Insights from the Digital Health Passport Evaluation Zehra Azim <i>University of Oxford, UK</i>
15:50 – 16:00	Abstract	Early findings from an ongoing feasibility study exploring impacts of co-designed devices for children and young people (CYP) with JIA Ursula Ankeny <i>Sheffield Hallam University, UK</i>
16:00 – 16:50	Seminar: Regulation and Implementation of Child Health Technologies	What does the NHS want from medical device manufacturers? Dr Sarah Bolton Business Manager, <i>Centre for Healthcare Equipment and Technology Adoption (CHEATA), Nottingham University Hospitals NHS Trust, UK</i> Health Economics and Paediatric MedTech Development Dr Janet Bouttell Health Economist, <i>Centre for Healthcare Equipment and Technology Adoption (CHEATA), Nottingham University Hospitals NHS Trust, UK</i>

THURSDAY 12TH JUNE

LIVESTREAM CONTENT *continued*

TIME (GMT)	SESSION	DETAILS
16:50 – 17:35	Keynote	Together, Research is Everyone’s Knowledge: Adaptation of the UK YPAG Model for Rural, Frontier, and Indigenous Communities Dr Elizabeth Johnson Assistant Professor, <i>Montana State University</i> , Co-Director, <i>Biomedical Innovation for Research and Development (BioRED) Hub</i> , USA
17:35 – 18:00		CLOSE

CONFERENCE CLOSES



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