Nottingham CYP Health Research Group: Collaborations across a programme of clinically applied research

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Aims

• To share a new clinically applied and clinically relevant research group from Nottingham with the purpose of improving children and young people’s care and outcomes through collaboration

• To share a number of case study projects to show how partnership and collaboration can improve clinical research and outcomes

• To reflect on the joys and challenges
Who we are?

Nottingham Children’s Hospital

- 350 registered children’s nurses; ~50 AHPS;
  > 101 CYP Doctors (consultant grade)
- 115 Inpatient Beds, 15 Specialties / 7 Regional Centres (RC)

School of Health Sciences

- CYP Team = 13 Academics
- One Professor and one to be advertised (PT)
A collaborative vision for clinically applied research

CYP Health Research (CYPHR)

- Enabling Leadership & Collaboration
- Fostering & sustaining Talent
- Clinical Academic Researchers
- Academics
- Doctoral Students
- CYP and Families
- Care pathways and integrated care systems
- Local relevance with global reach
CYPHR Mission

“Our mission is to improve the health outcomes, well-being and lives of children and young people and their families across their life course through a multi-disciplinary and integrated programme of translational health research and innovation which has national and global reach and impact”
CYPHR drivers

- **Recruit** and retain talent
- **Improve** care and satisfaction
- **Collaborative** culture
- **Advance** standards and practice
- **Grow** business and financial success

- Feeling safe, cared for, confident.
- **Being involved** – consent, rights and self management
- **Best outcomes** to enable functioning and quality of life

- **Outputs**: world-leading originality, significance and rigour
- **Impact**: Outstanding reach and significance
- **Environment**: conducive to producing research of world-leading vitality and sustainability

(American Nurses Credentialing Centre, 2016)

(NUH, 2010; RCPCH/NHS Confederation, 2011)

(Research Excellence Framework, 2014)
CYPHR Themes

• Complex Health Needs
Models of care, long term needs, life limiting & palliative care, mental health & continuing care pathways

• Health Transitions & Survivorship
Transitions in status, services and pathways

• Professional Health Development
Training & education

• Community Health and Well-Being
Individual, community and global challenges and issues, leadership, change & community health
CYPHR

Complex Health Needs
LEAD: Prof Jane Coad

Health Transitions & Survivorship
LEAD: Dr Joseph Manning

Professional Health Development
LEAD: Dr Pippa Hemingway

Community Health & Wellbeing
LEAD: Prof TBA

Clinical Impact and clinically relevant impactful research

Improving global Health and Well-Being across the lifespan - individuals and communities

Innovative co-creative and participatory rigorous approaches

Influencing Theory, Policy and Practice
Case study 1: Decision making for children with life-limiting conditions

Aim:
To explore decision making and future planning for children with life-limiting conditions, from a multi-stakeholder perspective.

Objective 1: To explore experiences and preferences of families, professionals and ‘significant others’ for engaging in decision making and future planning for children with life-limiting conditions.

Objective 2: To explore the communication between families, professionals and ‘significant others’ about decision making and future planning.

Objective 3: To explore the networks of care that exist for children with life-limiting conditions and how decisions are negotiated and distributed through these networks.
• The need for critical reflection on decision making practice by professionals.
• Open discussion of evidence thresholds.
• The need for awareness of the moral work being undertaken by all those involved.
• Consideration of the Relational Ethics Framework (Carnevale et al, 2017).
Case study 2: Supporting CYP experiencing mental health conditions in acute paediatrics

Manning, Coad, Carter, Aubeeluck, Wood, Armstrong and the CYP MH Study Group
Case study 3: Exploring and understanding the outcomes of CYP and families that survive PICU

Manning, Coad, Latour, Draper, Quinlan, Curley, Popejoy, and the OCEANIC study group

The OCEANIC Study

A multi-centre longitudinal mixed-methods study to explore the Outcomes of ChildrEn and fAmilies iN the first-year after paediatric Intensive Care discharge
Case study 4: Implementation and Improvement Science - A course for nurses working in burns units in Malawi and Ethiopia

Holden, Potokar, Price and The Centre for Global Burn Injury Policy and Research

1) Is it possible to provide training on implementation and improvement science research, to nurses working on burns units, in Malawi and Ethiopia through a combination of face-to-face and online learning?

2) What barriers and/or facilitators do nurses in Ethiopia and Malawi encounter in finding, reviewing, applying and changing practice in relation to current evidence?
Participant projects include

- Improving vital signs and fluid balance monitoring for HDU burn patient
- Improving the decontamination process of surgical instruments within the main theatres
- Improving pain control for burns patients during dressing changes
- Hand Hygiene practice among health workers in the burns unit
- Improving documentation following dressing changes
- Keeping the privacy of male and female burns patients
Collaboration – joys and challenges (Early messages!)

• Complexity transcends all our clinically driven research and education

• Partnership with CYP, Families, Professionals and other disciplines essential to legacy and impact

• Leadership, clear vision, and flexibility essential
Thank you
Any questions

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