

# Triggers to Consider Transition and Transition Pathway Thames Valley (Paediatric to Adult Transition in ICU)



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# Paediatric to Adult Critical Care Transition Guideline

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# What is Transition

"Process addressing the health, psychological and educational needs of young people as they move from childhood to adulthood"

*\*Transfer of care is the date that the young person has care taken over by adult teams*



## Why Critical Care Transition

# Meet Steven\*

- 19 year old male\*
- MHx: Hypoxic brain injury at birth, cerebral palsy, learning disability, kyphoscoliosis.
- Social: Lives in supported living home, parents live 30 minutes away and visit daily to do chest physiotherapy and supervise feeds.
- Functional: Has a PEG, uses adapted wheelchair, physiotherapy twice a week. OT visits twice a year. Failed funding request for cough assist device in the last 12 months.
- Recent history: Seen in the Oxford Centre for enablement aged 18, in the last 5 years has been admitted to hospital on 4 occasions with aspiration pneumonia. Ward level care in paediatrics on two occasions and 2 admissions to pHDU in DGH for Non invasive ventilation. Slow wear back to baseline on each occasion.
- Acute admission to ED with respiratory failure presumed aspiration pneumonia, he has a low level of consciousness, AICU registrar asked to see regarding ICU admission.



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Specialized medicines

Rare and Orphan diseases

Technology dependence

Iatrogenic harms

Prior healthcare related trauma

Family or Carer led care

Decision-making

Social care and Continuing healthcare plans



## **Guidance for:** Paediatric to Adult Critical Care Transition

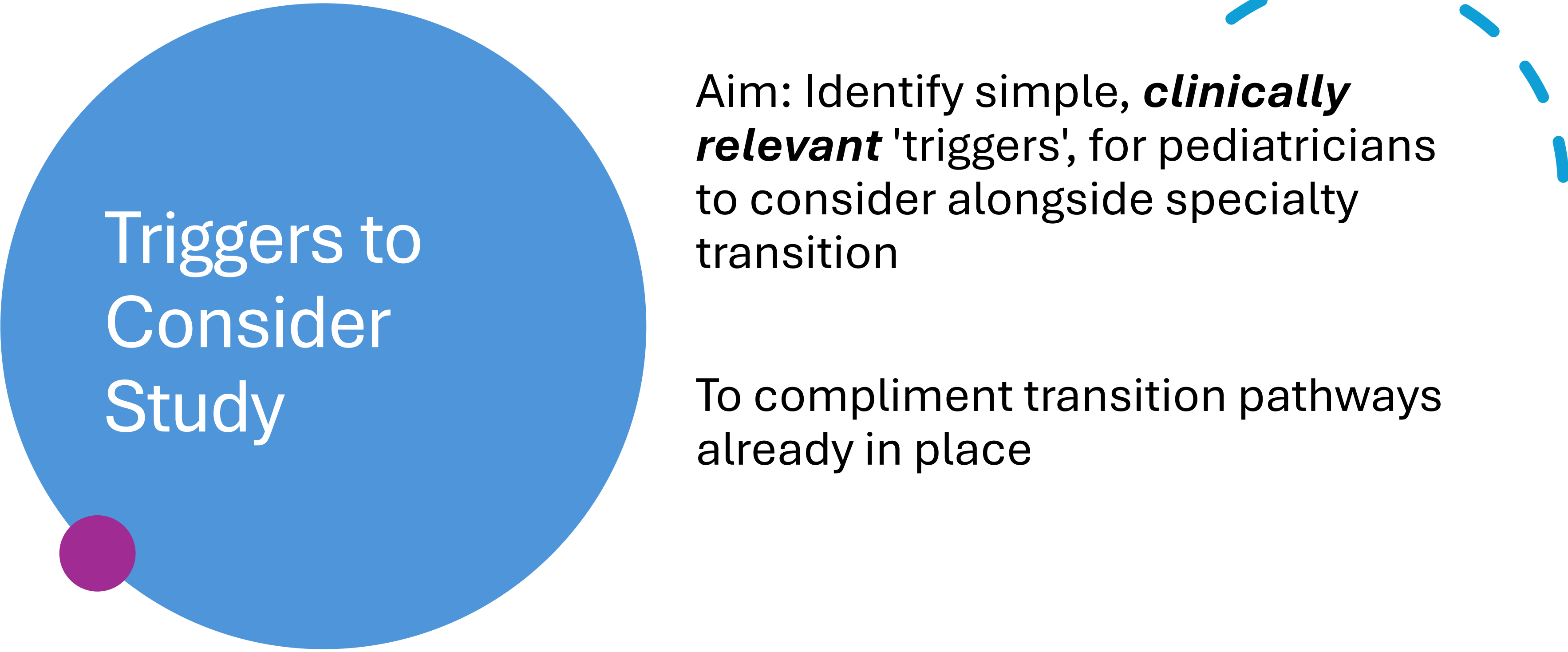
1. All young persons who are likely to require future input from adult critical care services must be identified in a timely manner.
2. A suitable transition pathway to adult critical care services must be initiated and followed for all eligible young persons. Admission to adult critical care must not occur until this is complete.
3. A bespoke Critical Care Transition Pathway must be in place to ensure clear documentation and communication through the process.

# Triggers to Consider Critical Care Transition

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# Triggers to Consider Study

Aim: Identify simple, ***clinically relevant*** 'triggers', for pediatricians to consider alongside specialty transition

To compliment transition pathways already in place

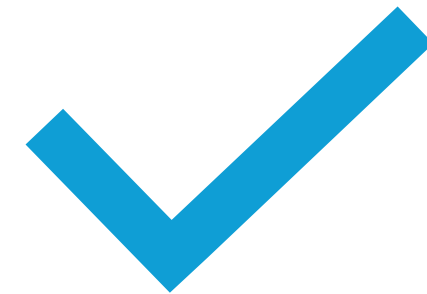
# Study phases



Observation



Investigation



Confirmation

# Observation



- Transition leads in pediatric specialties
- Identification of key markers of medical complexity
- Noted patterns of escalating care prior to threshold for ICU admission

Medical Complexity  
identified in Childhood

**And**

- 3 admissions **or** 1 admission >21d\*

\* 5 years is significant as transition occurs within the 5 years prior to transfer of care.. ie from age 13

# Investigation



Test triggers to consider transition in two hospitals in the ODN

One AICU within same trust as tertiary Children's hospital and one large District General Hospital feeding into trust

- Oxford University Hospitals NHS Trust
- Royal Berkshire Hospital, Reading

Data gathered from patient notes

- All admission to AICM 16-25 years old
- ICD codes identifying medical complexity
- Length of stay
- Number and duration of admission into Hospital in the 5 years prior to transition

# Confirmation



- Statistical significance of the likelihood of an Adult Critical Care Admission based on Child ED Admissions meeting the TCT in CYP
- Secondary Uses Service (SUS) data was accessed to identify CYP (aged 12-17 year) with emergency admissions into the two hospitals OUH and RBH in the period 2010-2023.
- Critical Care Minimum Dataset (CCMDS) data was used to identify those aged 18-25 admitted into adult intensive care in the years 2016-2024 in both OUH and RBH

# Critical Care Transition in Thames Valley

Every Young  
Person

- Medical Complexity
- Risk of ICU admission

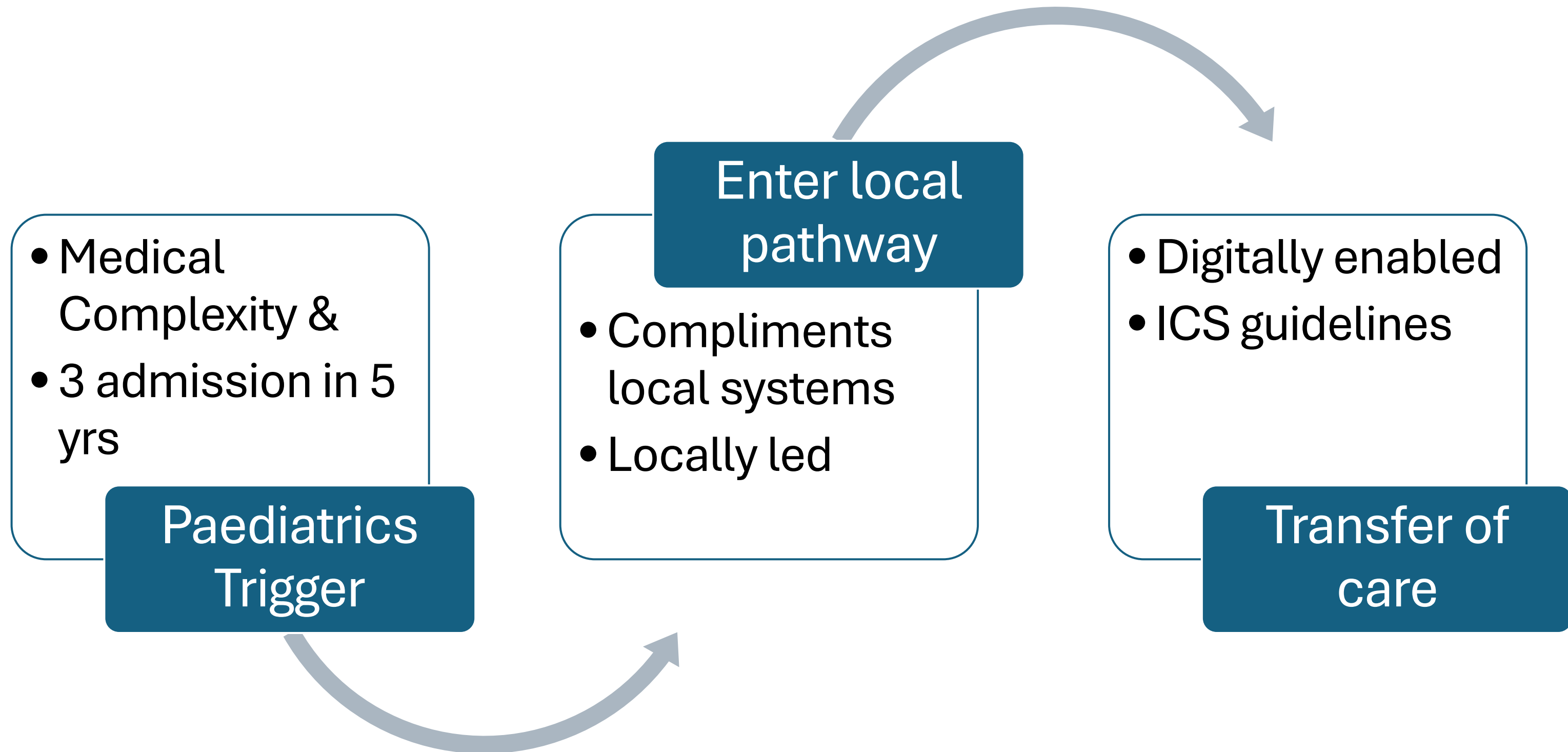
Equity across  
region

Meets the needs  
of individual trusts

Compliments  
systems already in  
place

Digitally Enabled

# Critical Care Transition Pathway



What do you need.....

