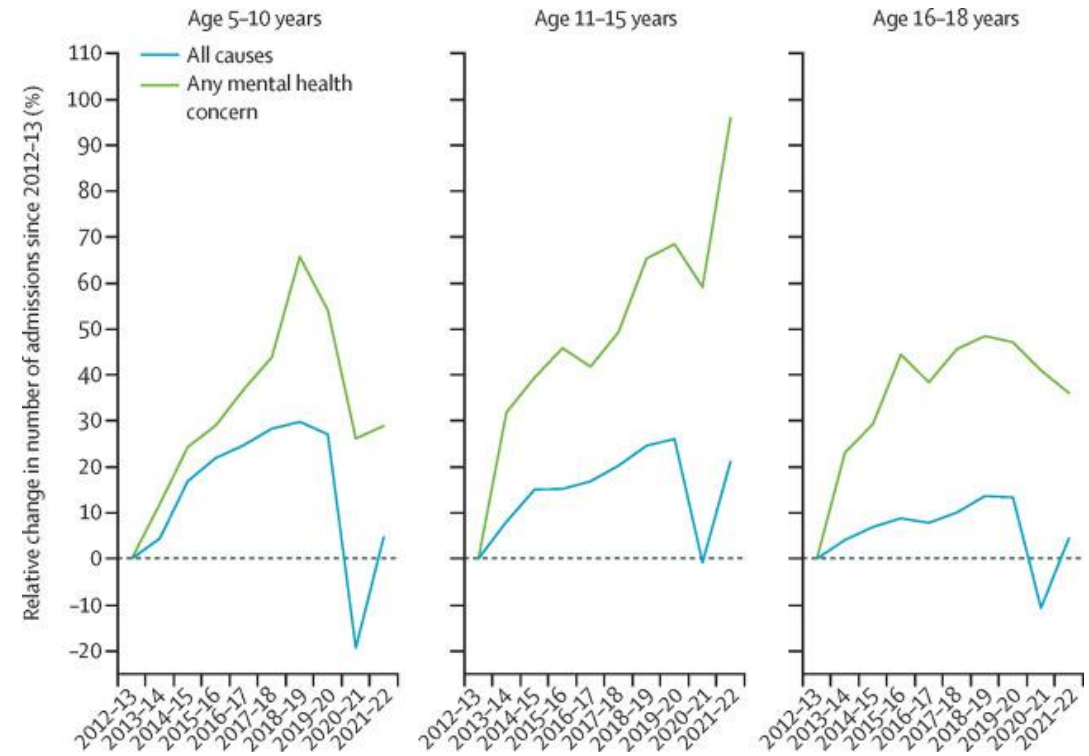


Cambridge Children's Hospital

The Challenge

- 1.5 m children in the East of England
- Inadequate specialist facilities for CYP
- Children still travel out of region
- Increase in mental health
- Rising chronic / complex disease
- Mental & Physical health separation
- 3% of £10b spent on child health research



Relative change in admissions for all causes and any mental health concern in children and young people in England aged 5–18 years

Admission to acute medical wards for mental health concerns among children and young people in England from 2012 to 2022: a cohort study; Ward, Joseph L et al. The Lancet Child & Adolescent Health, Volume 9, Issue 2, 112 - 120

Cambridge services for children

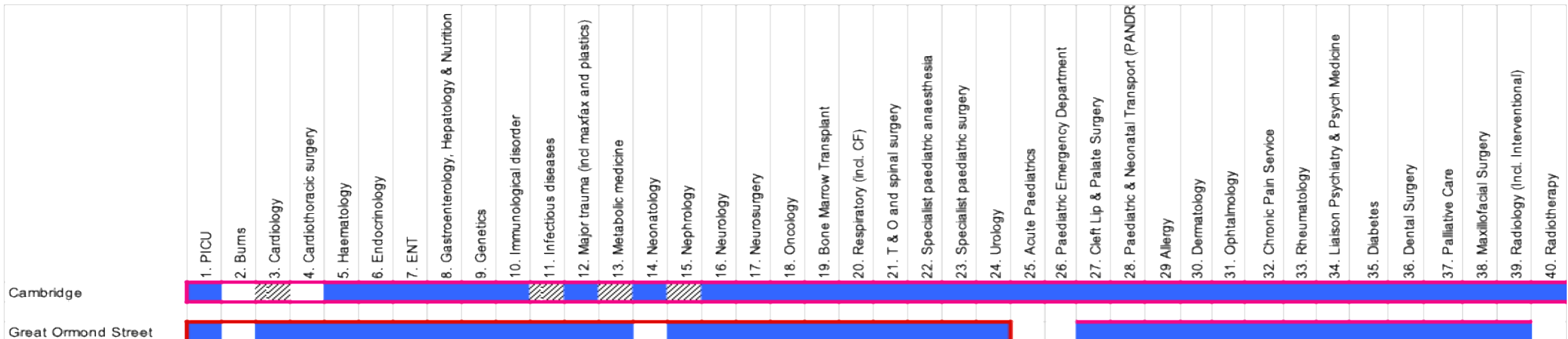
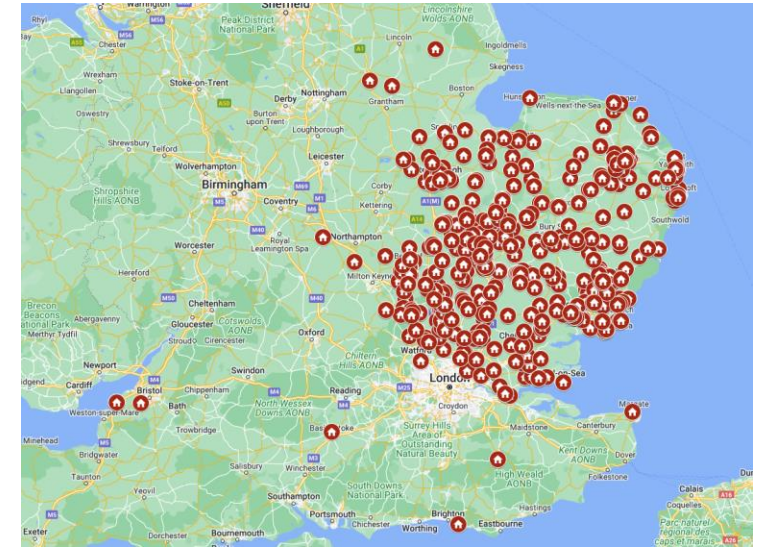
- 63 in-patient physical health beds (0-16y)
 - 17 cancer, 34 paediatric, 12 infant
- 36 IP mental health beds
- 26 day case beds
- 13 PICU/HDU beds
- 40 (max 58) neonatal cots
- ~ 30,000 ED visits < 16y

> 18,000 IP/DC spells in 2019/20

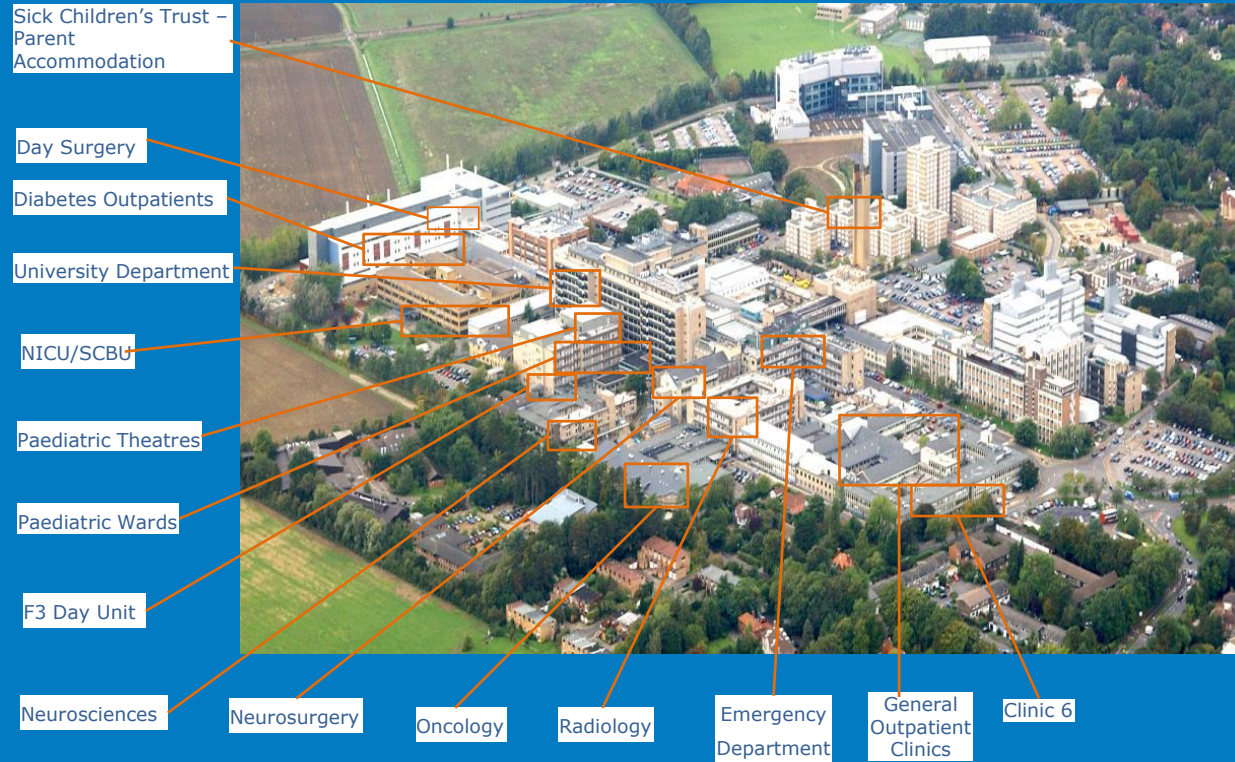
~ 82,000 children in OP
(> 40,000 in adult clinics)

Upper decile LOS

> 75% NHSE activity



Development Options Appraisal Approach



Together-Safe | Kind | Excellent



Our Vision

- Bringing physical and mental health together
- Child & family at the centre
 - Treat young people (up to 19y)
 - As close to home as possible
 - Integrating with community & education
 - Regional specialist care for 1.5m children
- Change the focus of research
 - Early detection & prevention
 - Integrate cutting-edge treatments and technology
- *A whole new way of thinking*





1. **Cambridge Children's Hospital**
2. The Rosie Hospital
3. Addenbrooke's Hospital
4. Royal Papworth Hospital
5. AstraZeneca
6. MRC Laboratory of Molecular Biology
7. CRUK Cambridge Institute
8. The Jeffrey Cheah Biomedical Centre
9. Forvie Site
10. Cambridge Cancer Research Hospital



CAMBRIDGE CHILDREN'S
HOSPITAL



Scan QR code for
flythrough animation



124 INPATIENT
BEDS

5	Haematology & Oncology ward – 28 beds	Ward core – clinical, staff, family facilities		Integrated Inpatient Ward – 28 beds
4	Integrated Inpatient Ward – 24 beds	Ward core – clinical, staff, family facilities		Integrated Inpatient Ward – 28 beds
3	Plant	Medical day Unit	Ward core	Plant
2	Imaging - X-ray; U/S; MRI; CT; Fluoroscopy	Surgical Day Unit	Cancer Day Unit	Theatres and recovery – 7 Theatres
1	Research Institute	Entrance, café	School	Paediatric Intensive Care Unit – 16 beds
0	Research Institute	Pharmacy	Facilities Management	Plant

Whole Community

Aims of Regional Care

1. CCH provides equitable access to high quality care, schooling and research
2. CCH will enable care to be provided closer to home
3. CCH supports the quality and sustainability of a regional workforce

Access - quality care, schooling & research

- Deliver capacity and productivity to improve access to care - **repatriate; accommodate population growth & unmet needs** (e.g. BMT, Dentistry)
- Consult with regional and national teams on offer for **complex patients with physical and mental health needs**
- Work with ODN, NHSE to **improve specialised care pathways** (e.g. LTV, Surgery, Neurodisability, Transition)
- Better **network/ communication with schools** across the region
- Improve regional **access to research & clinical trials**
- Improve support for **16-18 year olds with PH & MH conditions**



CCH Target Operating Models

- Produce a key set of Target Operating Models for CCH.
- These will set out:
 - Future model of care
 - Activity and capacity model
 - Design requirements/ utilisation and equipment needs
 - Workforce numbers and development plan
 - Digital infrastructure and innovation requirements
 - Governance structures
- Additional exemplar pathways
- Review of all clinical specialities and pathways during build

Domain	Service model
Whole Hospital	Paediatric Intensive Care (PICU)
	Theatres
	Imaging
	Day case
	Integrated inpatient wards
	Haematology and Oncology ward
	Emergency Pathway
	Pathology
	Genomics
	Pharmacy
	Clinical engineering
	Therapies
	Infection control
	Facilities Management
Whole Child	Psychologically and family informed care
	Play and developmentally appropriate care
	School
	Food
Whole Community	Regional access to specialised care
	Care closer to home
	Workforce quality and sustainability
	Public health
Whole Life	Primary and Community care
	Integrated research and care
	Research Institute and centres

LTV planning for CCH

Staff Training

- Develop a regional education strategy
 - to support staff
 - enable repatriation
 - deliver hybrid teaching (e.g. live-streamed scenarios)
 - Centralised education portal to share training resources
 - Webinars and e-learning accessible across the region
 - Design adaptable materials for different care settings
- Simulation suite for immersive learning.
 - Incorporate virtual reality (VR) to simulate home care

Family/Child/Wider Family Training

- Face-to-face core training for hands-on and personalised learning
- Integrate culturally sensitive resources



Regional LTV pathway workshop in Sept 2024

Children's Network



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graph TD; CN[Children's Network] --- PCV[Parent Carer Voice]; CN --- YPV[Young People's Voice]; CN --- TRE[Targeted Regional Engagement]; PCV --- PC[Parent Champions]; PCV --- PA[Parent Advocates]; YPV --- YF[Youth Forum]; YPV --- YAF[Young Adult Forum];
```

Parent Carer Voice

Parent
Champions

Parent
Advocates

Young People's Voice

Youth
Forum

Young Adult
Forum

Targeted
Regional
Engagement

Project status

- Full Business Case
 - Submission Spring 2026
- Contractor appointed
 - Work commenced
 - Construction to commence 2026/27
- Transformation & Transition
 - 80% funding secure @ OBC
 - Fundraising ongoing
 - Halfway to £100m target



Thank you

