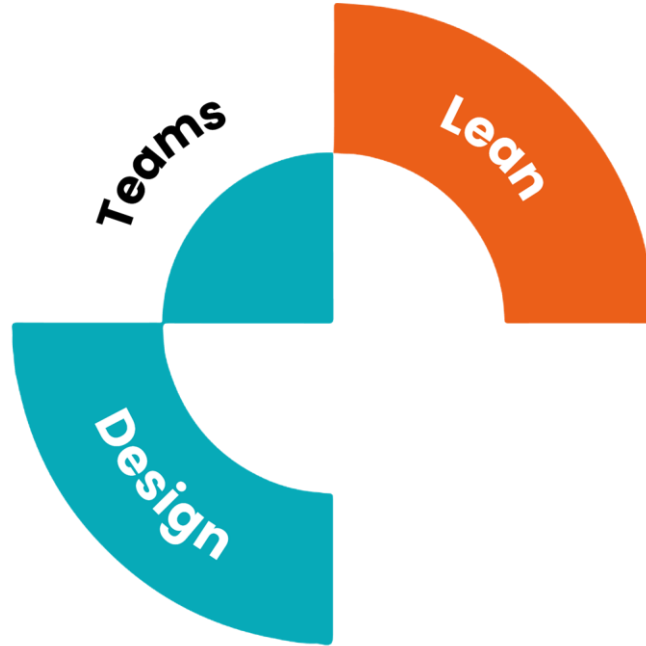




Understanding and addressing the Emergency care challenge: *the Mater journey*



Methodology



100+ Staff interviews



20+ Gembas (Structured observations)



Point prevalence studies



Extensive desktop data analysis

Areas of focus



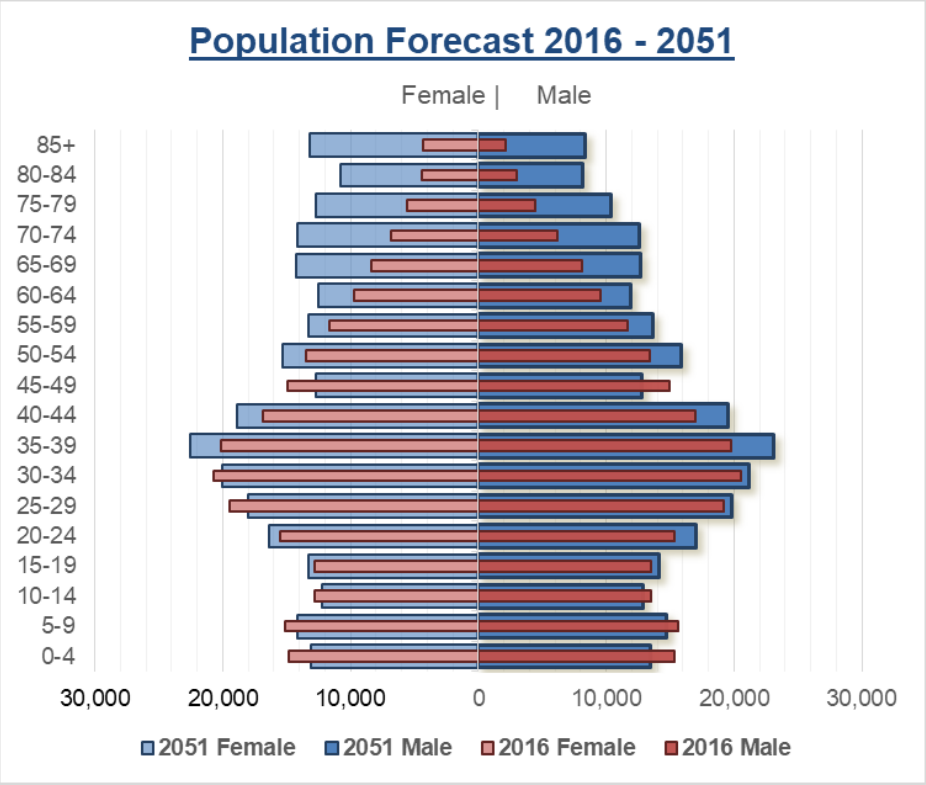
```
graph TD; A[Areas of focus] --> B[Bed days]; A --> C[Time of day];
```

Bed days

Time of day



Context

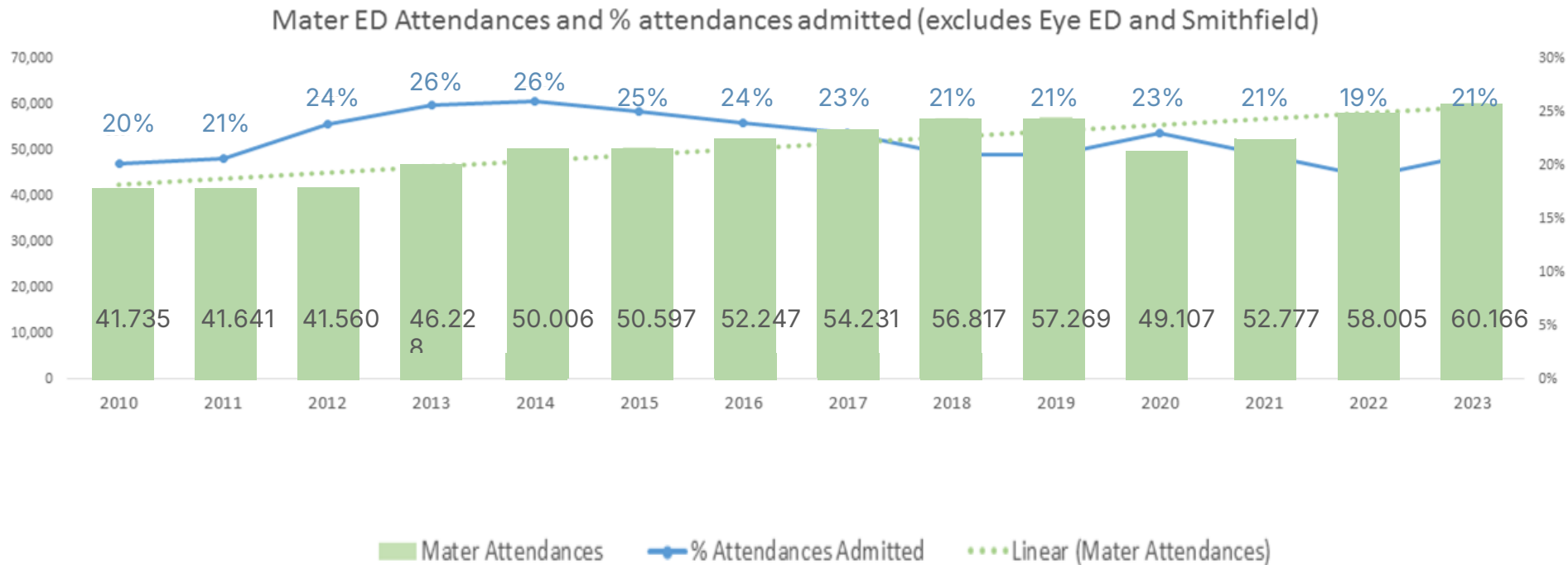


Health indicators

Health		Area (2016)		Area change (since 2011)		Ireland (2016)		Ireland change (since 2011)	
<div><div></div> National %<div></div> Area % (relative proportions)</div>		#	%	#	%	#	%	#	%
Health bad/very bad	<div><div></div><div></div></div>	5,042	2.0	+477	+10.4	76,435	2.0	+6,774	+9.7
Carers	<div><div></div><div></div></div>	9,363	3.7	+265	+2.9	195,263	3.7	+8,151	+4.4
Disabled	<div><div></div><div></div></div>	36,224	14.4	+1,843	+5.4	643,131	14.4	+47,796	+8.0

Health indicators of population served (selected areas in CHO 9 Dublin area only)

MMUH Emergency attend
and admit trend



Marginalisation in healthcare

HIPE data on homelessness in 2022

Hospital	Total	ALOS
St. James's Hospital	158	8.98
Mater Misericordiae University Hospital	130	5.44
Beaumont Hospital	88	7.9
Royal Victoria Eye and Ear Hospital	41	2.7
St. Vincents University Hospital	37	18.19
St. Lukes Hospital	7	0
Connolly Hospital Blanchardstown	7	3.29
Naas General Hospital	5	7
Mayo University Hospital	5	2.4
Wexford General Hospital	4	2.5
Total	501	8.61

← Actual number is at least tenfold higher

Audit of 1 week of ED presentations (n=1257)

11% homeless

52%

increase in the
number of referrals to
social work from
Emergency
Department in 2 years

81%

Now deemed 'highly
complex' compared
with 50% in 2022

11%

of those presenting to
the Mater ED are
living in homelessness
(n=1257, June 2024)



ABF 'complexity'

≠

Social complexity

**Complex surgery
with ICU stay**

**Homeless person with
COPD and new longterm
O2 requirements**



Bed base:

31

Census year to date average

58

74% stage IV disease

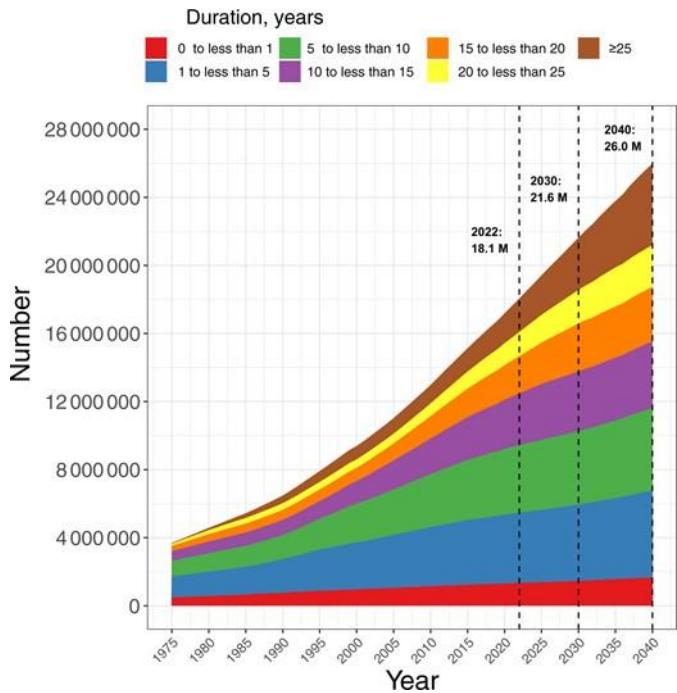
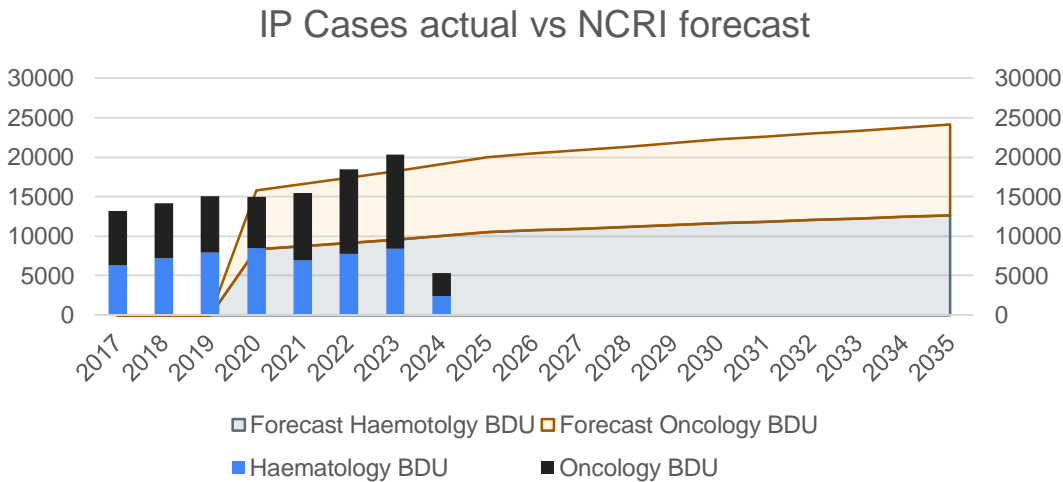


Figure 1. Number of cancer survivors living in the United States by year and time since diagnosis in years (duration).





Point Prevalence 28th February 2024

A

Medically active

Patients requiring investigation and ongoing medical management.

B

Potential discharge

Patients could in theory leave the hospital if certain criteria were met. (e.g. diagnostics, rehab/step down care bed, home care package)

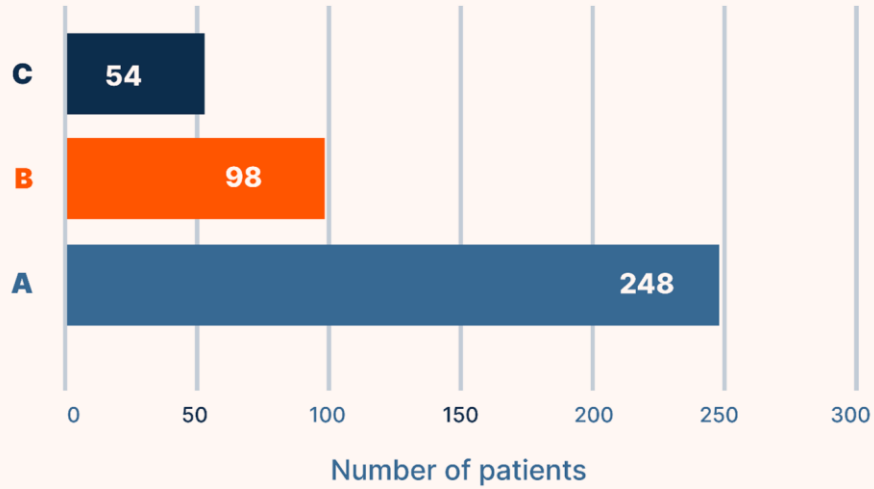
C

Confirmed discharges

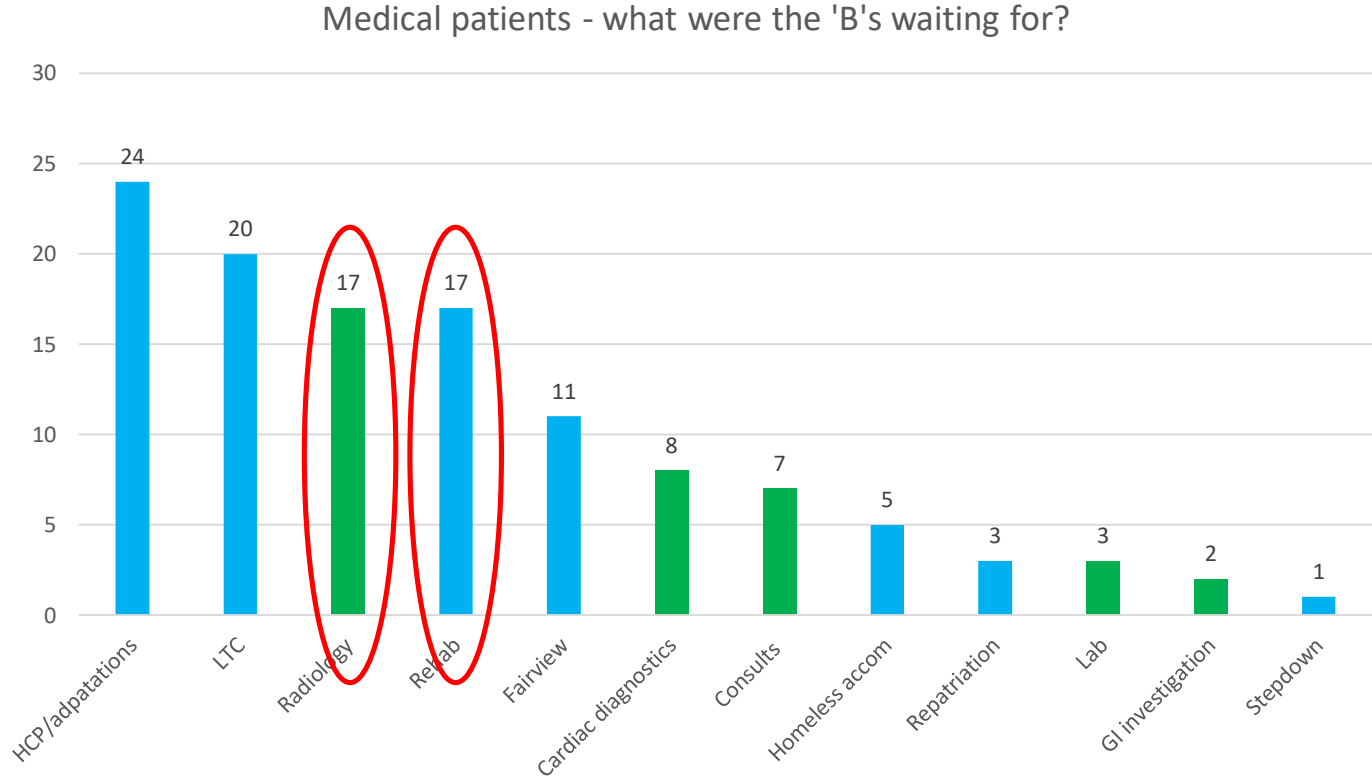
Patients leaving the hospital on the day.

Patient status

N=406



- C** Confirmed Discharges for that day
- B** Potential discharge
- A** Medically active



Areas of focus

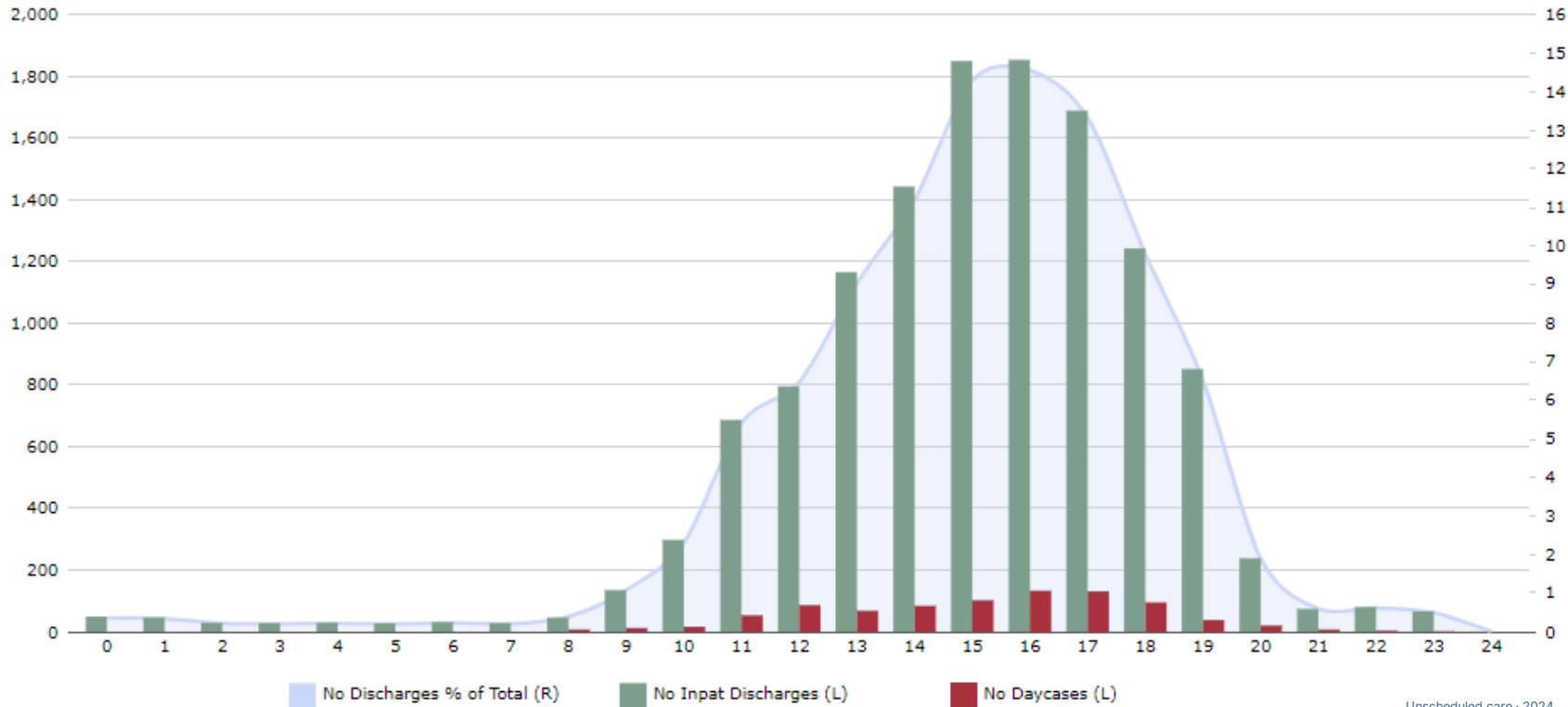
Bed days

Time of day

Time of Discharge

GIM Specialities Discharge Times
(n = 10,686 discharges, Jan - Sep 2024)

Median = 15:45



ENTRANCE



TRIAGE



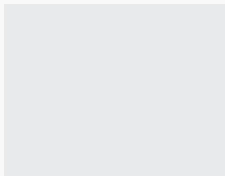
AWAITING ASSESS.



ED



HOME

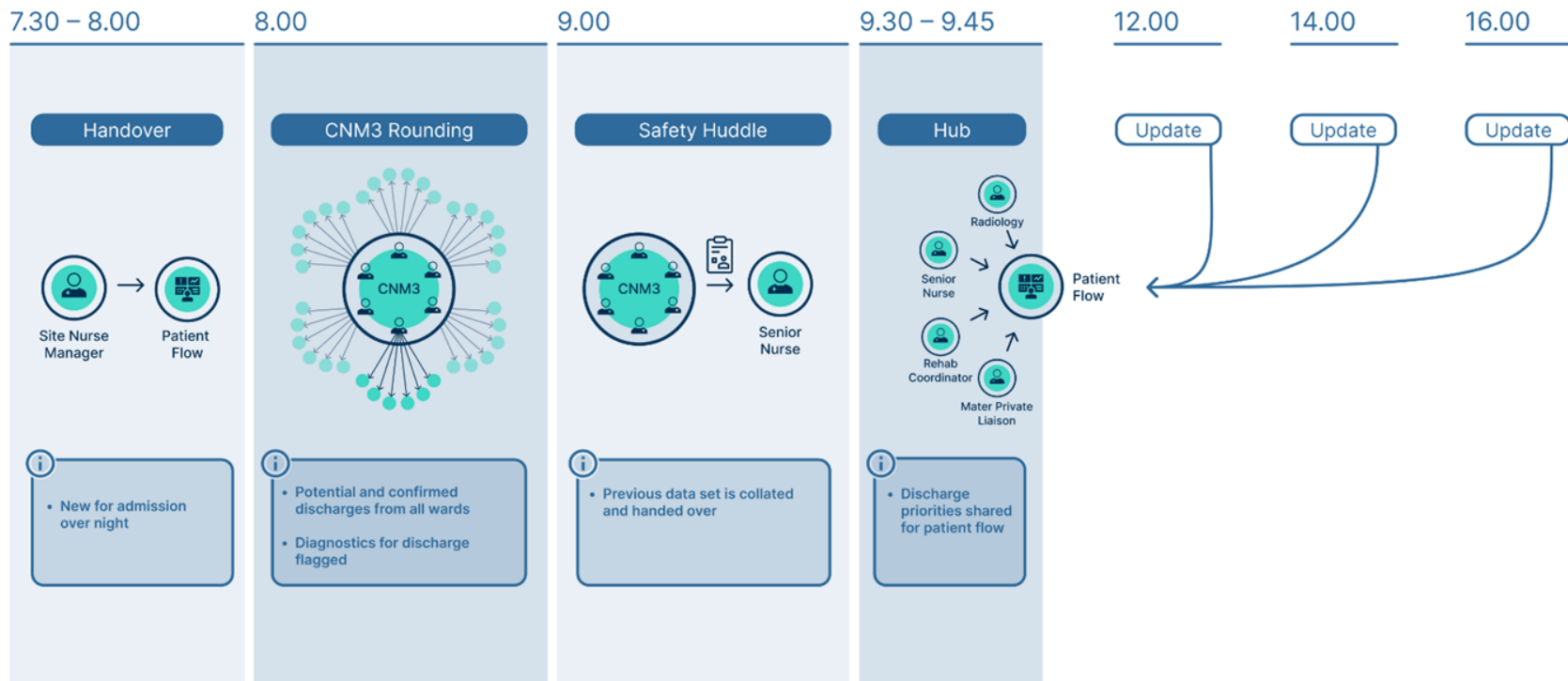


WARDS

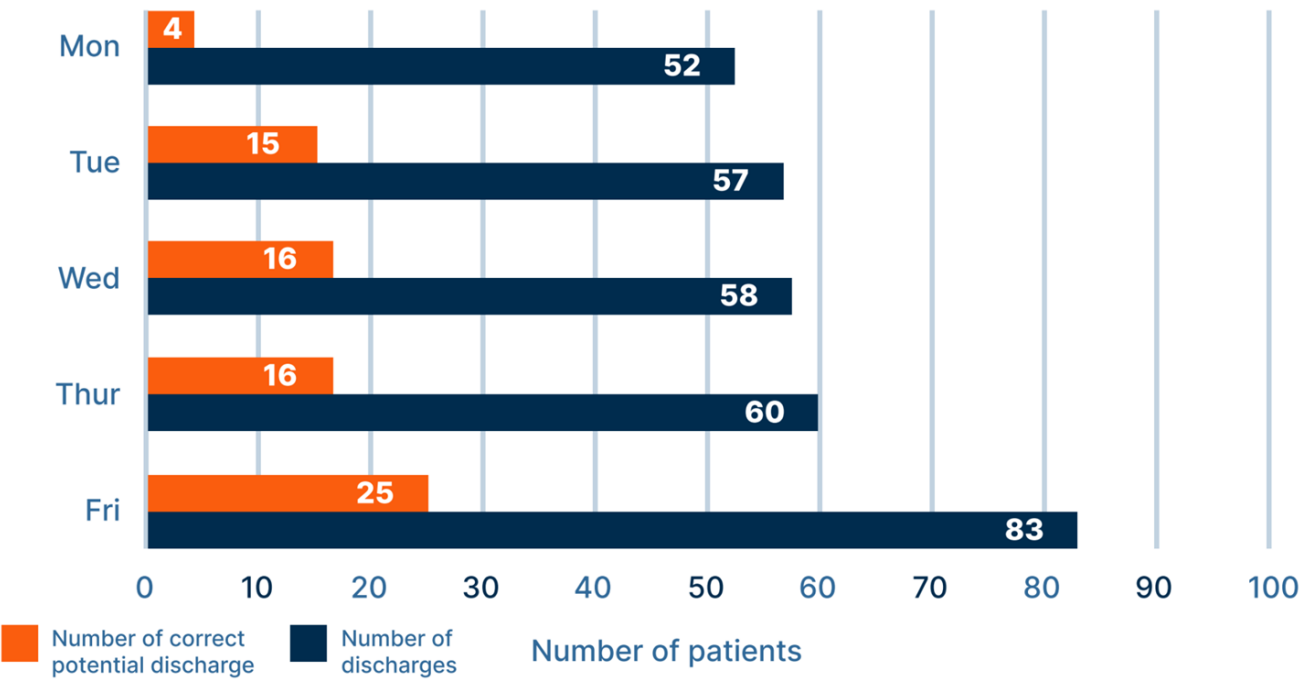


Seeing the whole system

Information flow across the system



Discharge numbers from wards - week of 29th Jan 2024





● Infectious diseases
24/01/2024, 31/01/24

● Acute Medicine
18/01/2024

● Stroke
12/02/2024

● Respiratory
13/02/2024

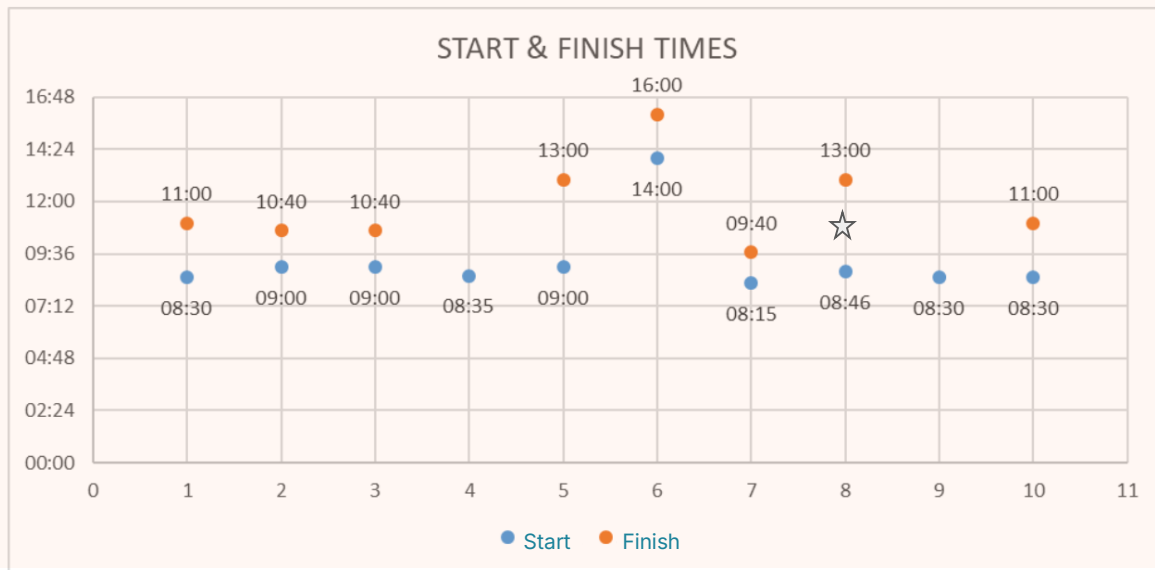
● Cardiology
14/02/2024

● Med El
16/02/2024

● Rheumatology
19/02/2024

● Endocrine
13/02/2024, 06/03/2024

Medical Team Ward rounds



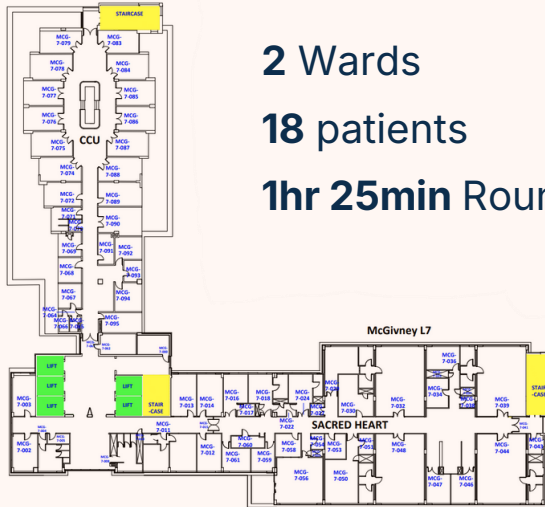
-> Median duration: **2hrs 15min**

-> Finish time varies between
9.40 to 16.00

-> Median finish time: **11:00**

☆ Family meeting mid round

Cardiology



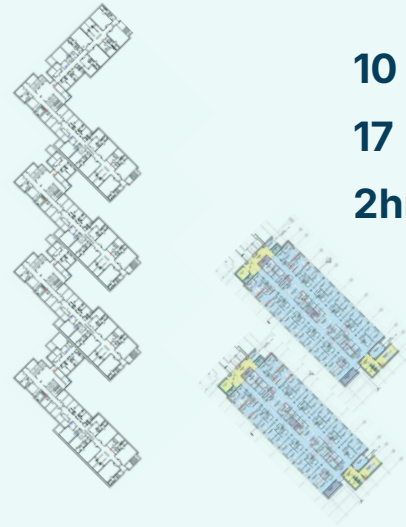
2 Wards

18 patients

1hr 25min Round

- Well cohorted speciality
- More predictable pt journey

Endocrinology



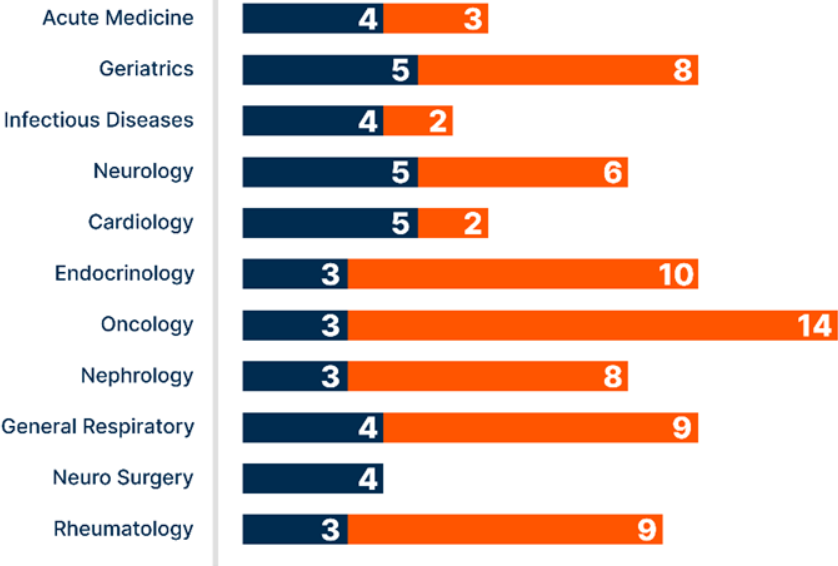
10 Wards

17 patients

2hr 30min Round

- Patient dispersed across hospital
- More complex social discharges

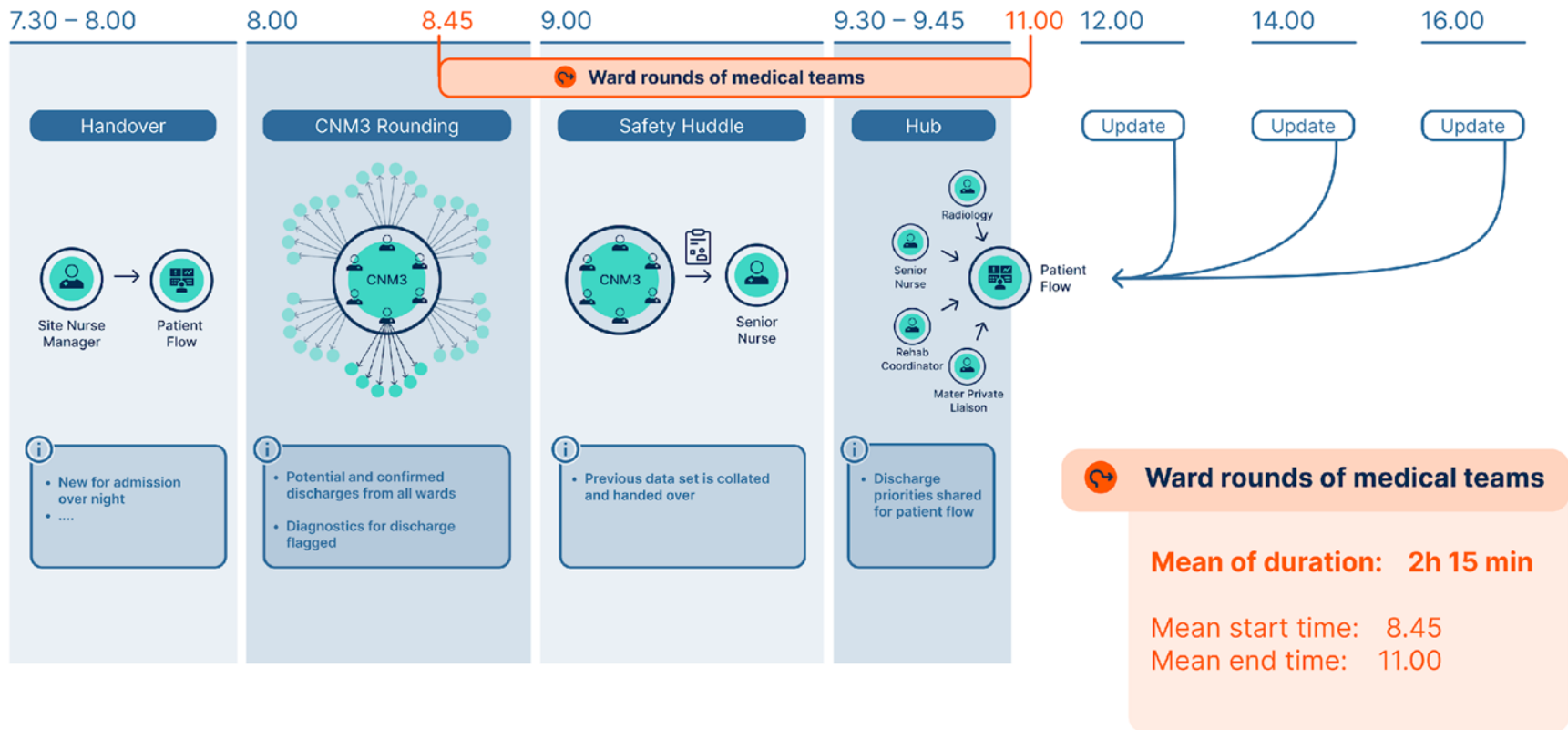
Number of wards visited by specialities



Base ward(s)
→ including critical care wards

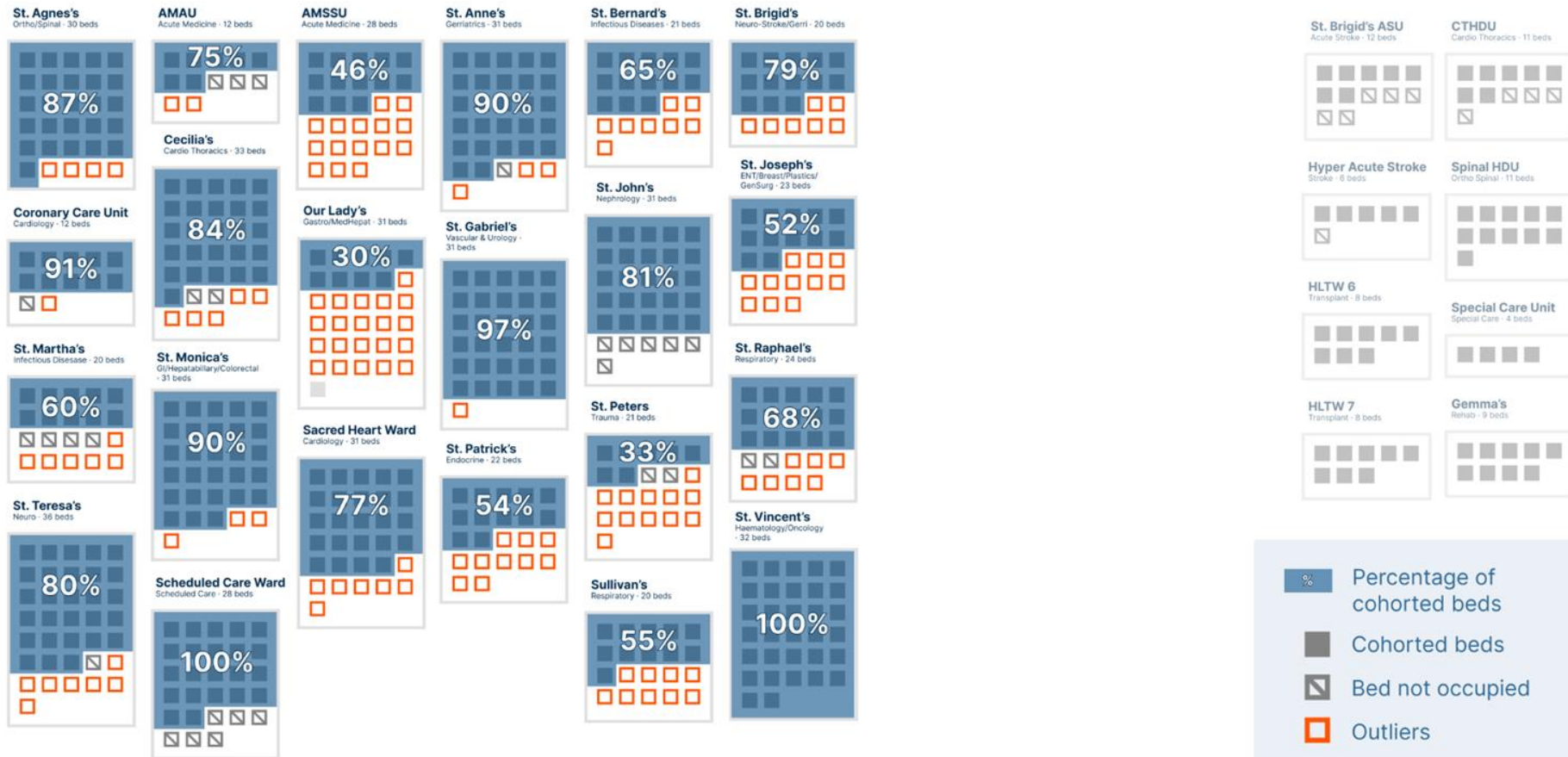
Safari ward(s)
→ non-speciality wards visited

Information flow to the hub



Cohorted beds per ward

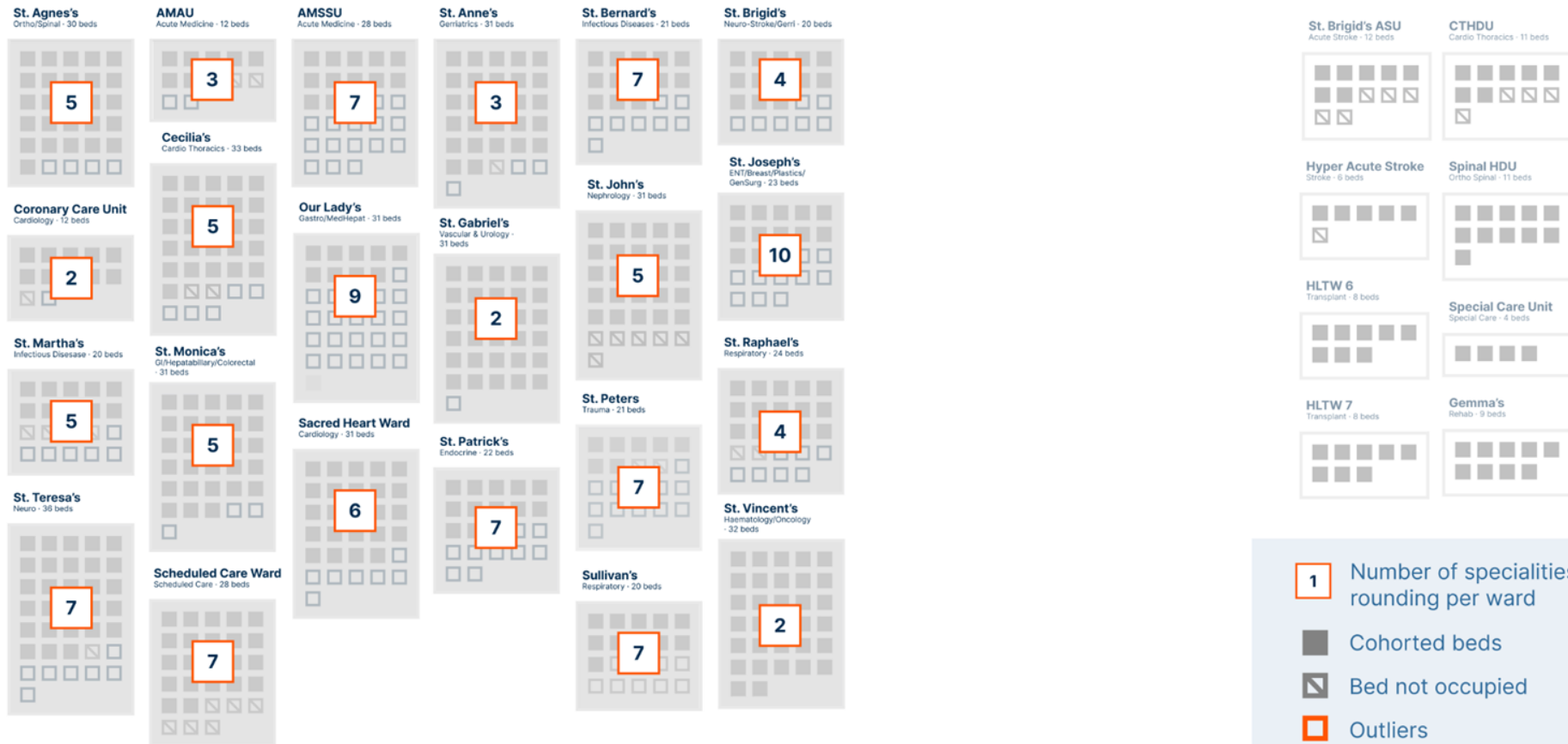
28th Feb 2024
AURA board data



Number of specialities rounding

(including speciality ward round)

28th Feb 2024
AURA board data





Ward round - Interaction with nursing

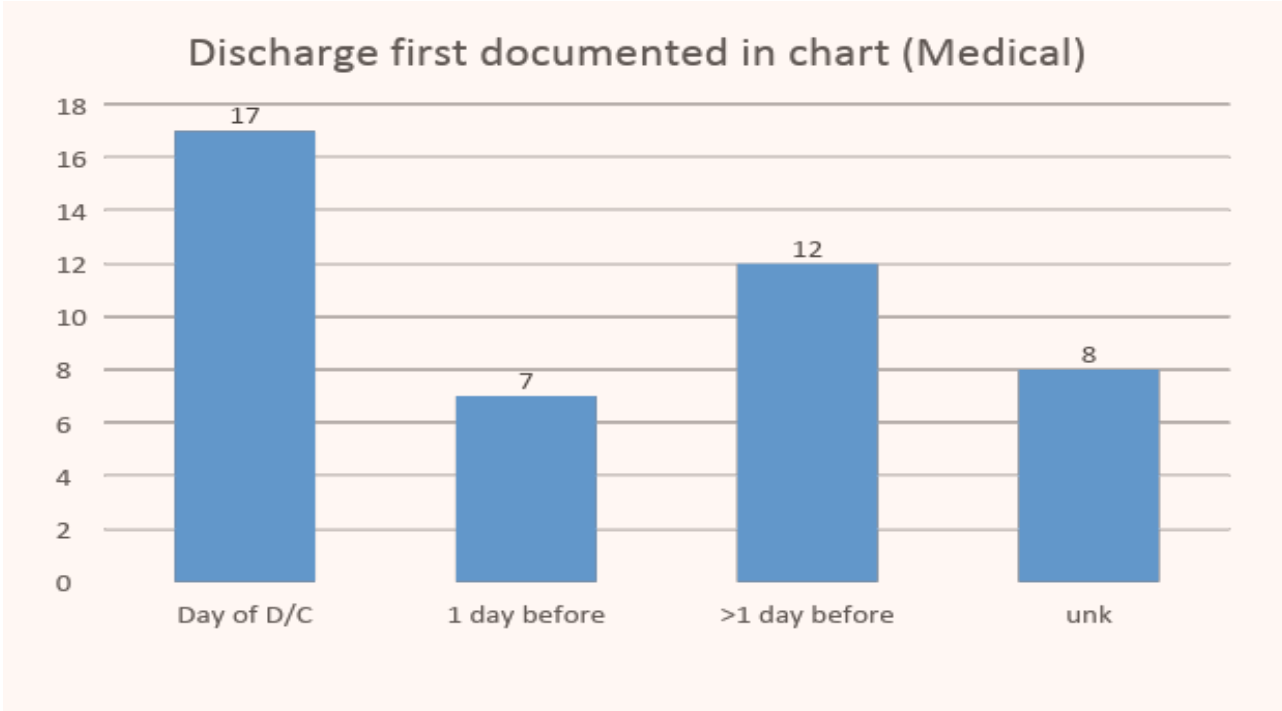
In 7 out of 10 Gembas the **CNM was involved with the ward round on base ward.**

In 1 out of 10 Gembas the **Consultant sought out CNMs** on outlier wards.

Ward round – Interaction with HSCPs

Very occasional, by **chance**

Huddles pre round only



Discharge Predictability



Capacity assessment
awaiting Fairview



Physio sign-off



Ortho review

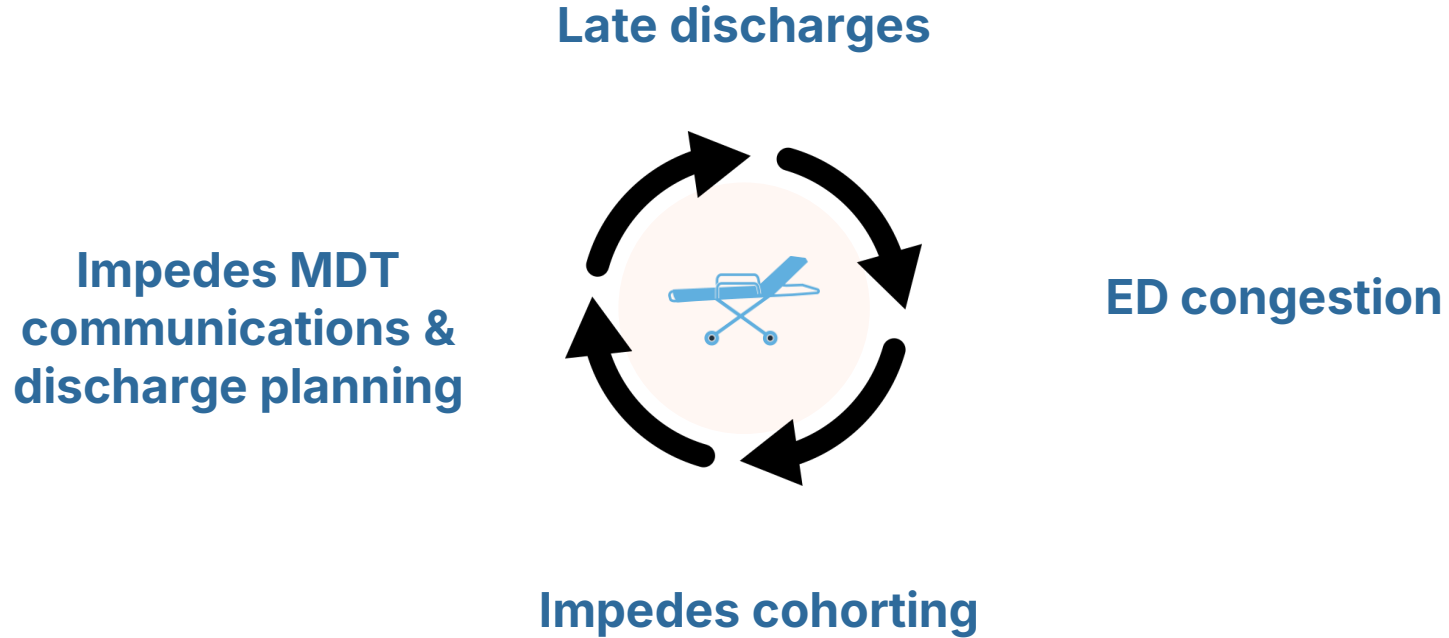



CT



Change to Oral antibiotic






 **Re-design MDT communications-** one daily interaction is no longer fit for purpose

Working with teams to enable earlier discharge



 **Re-design MDT communications-** one daily interaction is no longer fit for purpose

 **Supporting patient flow to improve cohorting**

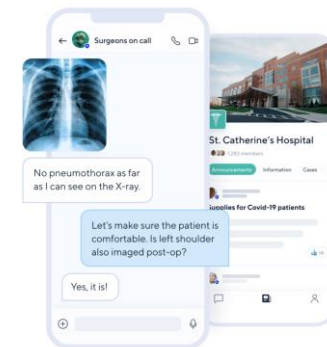
Supports to cohorting

Home Mater Misericordiae St Bernard's Ward Bed Sequence Refresh Filter Occupancy Viewer Acute Take On Off MMCQUIRK

20/22 1 0 1 Transfer Waiting for 6 hrs, 38 mins
TEND-24, Bernards Room 31, 32, 34




Bernards Room 01	Bernards Room 02	Bernards Room 03	Bernards Room 04	Bernards Room 05	Bernards Room 06	Bernards Room 07
BE01-1 PDD 10/10/24 ***** PROF. DENISE SADLER (NPH) DOB: 01/08/1972 (52 yrs) Sex: Male MRN: ***** 01/10/24 (7)	BE02-1 PDD 09/10/24 ***** DR. NAVNEET KAMLAUL (GAS) DOB: 07/03/1954 (69 yrs) Sex: Female MRN: ***** 06/09/24 (32)	BE03-1 PDD 11/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 02/04/2001 (23 yrs) Sex: Male MRN: ***** 01/10/24 (8)	BE04-1 Empty Adult Close Male Female	BE05-1 PDD 18/10/24 ***** DR. TARA MC GINTY (IND) DOB: 01/11/1932 (91 yrs) Sex: Female MRN: ***** 16/09/24 (48)	BE06-1 PDD 04/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 02/05/1950 (74 yrs) Sex: Female MRN: ***** 20/09/24 (49)	BE07-1 PDD 10/10/24 ***** DR. TARA MC GINTY (IND) DOB: 02/11/1951 (69 yrs) Sex: Male MRN: ***** 09/09/24 (39)
BE08-1 PDD 09/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 07/05/1954 (69 yrs) Sex: Female MRN: ***** 29/09/24 (16)	BE09-1 PDD 18/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 11/09/1984 (39 yrs) Sex: Female MRN: ***** 03/10/24 (5)	BE10-1 PDD 10/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 01/08/1960 (64 yrs) Sex: Male MRN: ***** 01/10/24 (7)	BE11-1 PDD 15/10/24 ***** DR. TARA MC GINTY (IND) DOB: 25/09/1972 (52 yrs) Sex: Male MRN: ***** 12/09/24 (27)	BE12-1 PDD 11/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 26/10/1954 (69 yrs) Sex: Female MRN: ***** 23/09/24 (16)	BE13-1 PDD 11/10/24 ***** DR. TARA MC GINTY (IND) DOB: 24/05/1934 (90 yrs) Sex: Male MRN: ***** 11/09/24 (27)	BE14-1 PDD 11/10/24 ***** DR. DONAL FITZPATRICK (GER) DOB: 16/05/1935 (89 yrs) Sex: Male MRN: ***** 05/10/24 (3)
BE17-1 PDD 09/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 08/07/1955 (69 yrs) Sex: Male MRN: ***** 19/09/24 (26)	BE18-1 Empty Adult Close Male Female	BE19-1 PDD 10/10/24 ***** PROF. DENISE SADLER (NPH) DOB: 17/03/1944 (80 yrs) Sex: Male MRN: ***** 19/09/24 (9)	BE20-1 PDD 10/10/24 ***** PROF. DENISE SADLER (NPH) DOB: 03/07/1924 (100 yrs) Sex: Female MRN: ***** 30/09/24 (9)	BE21-1 PDD 10/10/24 ***** DR. ORLA ORANG (GAS) DOB: 06/03/1952 (72 yrs) Sex: Male MRN: ***** 26/09/24 (12)	BE22-1 PDD 09/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 04/05/1952 (72 yrs) Sex: Male MRN: ***** 11/09/24 (38)	BE23-1 PDD 11/10/24 ***** DR. PHILLIP MCGETTRICK (IND) DOB: 19/10/1976 (47 yrs) Sex: Male MRN: ***** 02/10/24 (7)
BE24-1 PDD 10/10/24 ***** DR. TARA MC GINTY (IND) DOB: 14/06/1957 (67 yrs) Sex: Male MRN: ***** 25/09/24 (13)						

Departmental Outliers Specialty Outliers Ward Tasks Discharges



D • siilo



-  **Re-design MDT communications-** one daily interaction is no longer fit for purpose
-  **Supporting patient flow to improve cohorting**
-  **Addressing the a-synchrony at system level**

ED- Alternative Pathways

[illegible]

Inform design of the Social Inclusion Hub services

Could existing alternative pathways have been utilised?

What new pathways would have biggest impact?

N= 1257 over 1 week in June



Thank you