

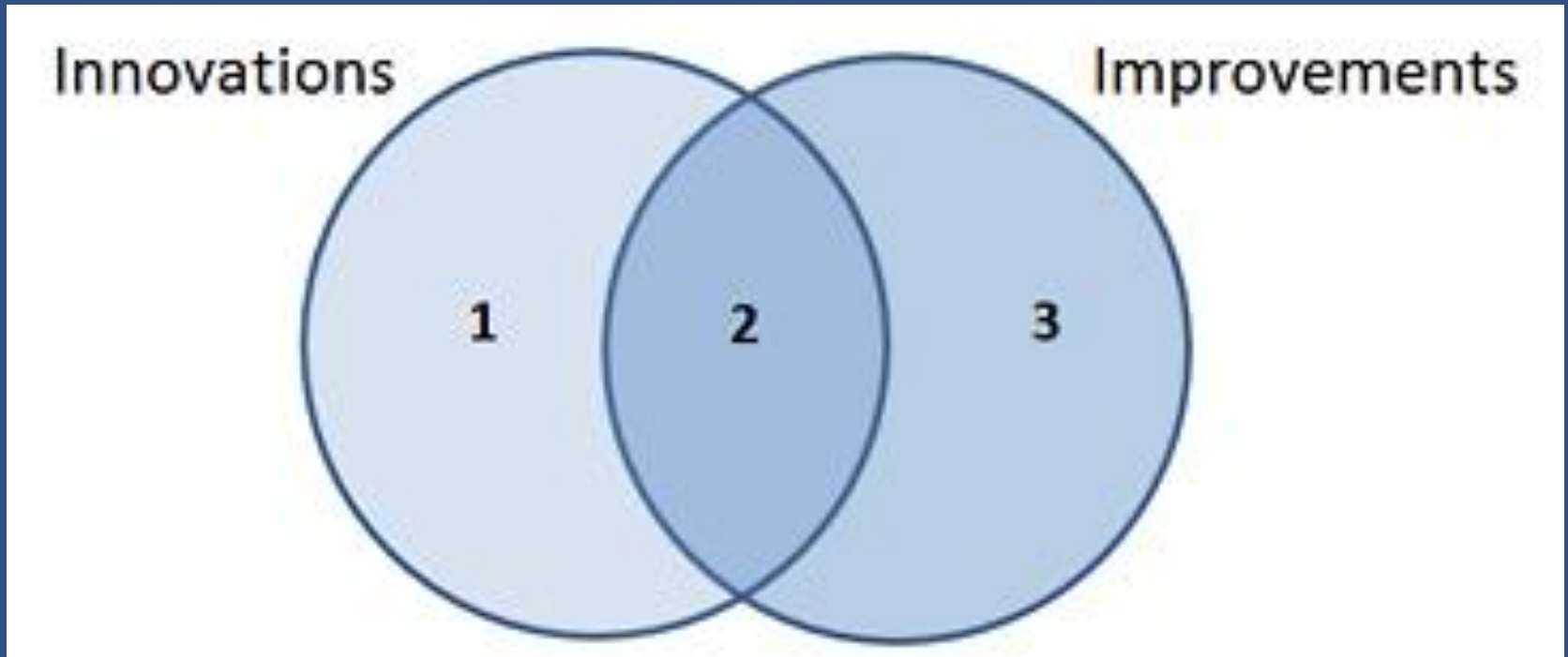


Bwrdd Iechyd Prifysgol
Cwm Taf Morgannwg
University Health Board

cwmtafmorgannwg.wales

Implementing ward based e-Whiteboards

Dr Tom Powell



'Improvement improves, innovation transforms'

ROYAL GLAMORGAN HOSPITAL

WARD 3 TRAUMA & ORTHOPAEDICS

Bed	Name	Conslt	ADD	MEWS	Meds	Diet	Procdr	Physio	OT	TTH	Transp
1	[REDACTED]										
2	[REDACTED]	DAVIES						✓	✓	(PH)	
3	[REDACTED]	GASTRO									
4	[REDACTED]	GASTRO						✓		(M)	
5	[REDACTED]	PENIS						✓		(M)	
6	[REDACTED]	DAVIES									
SR 7	[REDACTED]	DAVIES						✓		TIF Dialsw	
8	[REDACTED]	MCLEW						✓	✓		
9	[REDACTED]	DAVIES									
10	[REDACTED]	ROY						✓	✓		HM AS 48 Adhica
11	[REDACTED]	LOE						✓			
12	[REDACTED]	OWEN						✓	✓		
12a	[REDACTED]	OWEN									

The Past

The Future?



Bed Management Login

Nadex Cymru network login

User:

Password:

PCH RGH

YCC YCR

Please select a ward.

Please select the Ward you want to view:

1	2	3	4	5
6	7	8	9	12
14	15	19	20	AECU

PCH RGH YCC YCR Cancel

RGH WARD 12

Info **Info** **Spec** **X**

- Confusion ▲ Falls + TTH
- 💧 Drink a drop ✕ Barrier 🏠 Psychiatric review
- 📡 Telemetry 🚑 Ambulance 🏃 Physio
- 🔑 DoLs 🏠 Query Home 🧤 Latex
- 🏠 Diabetic 🏠 SW@H ✅ Done
- 🏠 HPV 🏠 HPV 🏠 Porter 🚫 Nil by mouth
- 🏠 HMAS 🏠 HMAS 🏠 1 to 1 🏠 NIV
- 📦 Blister pack 📄 Review 📦 PoC
- 🧴 Swab 🥗 Dietician 🧠 Dementia
- 🏠 EDAL needed 🏠 EDAL written 🏠 EDAL complete
- 🏠 PU 🏠 PTWR 🏠 Age Connects
- 🏠 Physio complete 🏠 Occ. Therapy 🏠 Occ. Ther complete
- 🏠 Swab complete 🏠 Sensory loss 🏠 Soft pureed diet

Other Wards

12

WARD 12

BAY 2

2:3

2:4

2:2

2:5 **REHAB**
LATTEN, T
test

2:1

2:6

BAY 3

3:3

3:4

3:2

3:5

3:1 **UROLOGY**
ENT
COWDREY, T

3:6

SIDE ROOM 1

S1

test

SIDE ROOM 2

S2

SIDE ROOM 3

S3

SIDE ROOM 4

S4

BAY 1

1:4

1:5 **COTE1**
PRICE, T

1:6

1:3

1:2

1:1

BAY 4

4:1

4:2

4:3

4:6

4:5

4:4

EXIT

Hide Notes
[Expected Patients](#)
Grow
Hide

Name	Time in	Bed	Note

Hide Names
Find Expected Patient
Patient Bed History

Key - Admission Duration (Days)

0
1
2
3
4
5
6
7+

[Holding Patients](#)

Name	Bed	Note

Beds	Nurse in Charge	Staff Auxillary
DEMO	DEMO 12	DEMO 12
DEMO	DEMO 12	DEMO 12
DEMO	DEMO 12	DEMO 12
DEMO	DEMO 12	DEMO 12
DEMO	DEMO 12	DEMO 12
DEMO	DEMO 12	DEMO 12

Consultant
Date

DEMO
6th october

Refresh
Print
Data

BAY 2

<p>10 T&O</p> <p>Mr TD Owen</p> <p>XXXXXX</p> 	<p>11 T&O</p> <p>Mr Angus Douglas Maclea</p> <p>XXXXXX</p> 
<p>9 T&O</p> <p>Mr WS Roy</p> <p>XXXXXX</p> 	<p>12 T&O</p> <p>Mr DK Morgan</p> <p>XXXXXX</p>     
<p>8 T&O</p> <p>Mr TD Owen</p> <p>XXXXXX</p>       	<p>12a Occ. Therapy T&O</p> <p>Mr WS Roy</p> <p>XXXXXX</p>  



Smoking Cessation

Drink a drop

Falls

OT complete

Confusion

Physio complete

Dementia



Inf	Inf	Inf	Spe	X
Confusion	Falls	TTH		
Drink a drop	Barrier	Psychiatric review		
Telemetry	Ambulance	Physio		
DoLs	Query Home	Latex		
Diabetic	SW@H	Done		
HPV	Porter	Nil by mouth		

HMAS	1 to 1	NIV
Blister pack	Review	Package of Care
Swab	Dietician	Dementia
EDAL needed	EDAL written	EDAL complete
Pressure	PTWR	Age

Whiteboard... RE: Meeting

WARD

12

BAY 2

2:3

COTE1

XXX



2:4

ENDO

XXX

2:2



2:5

COTE1

XXX



2:1

GIM

XXX



2:6

GASTRO

XXX



SIDE ROOM 1

S1

GIM

S

XXX

TF



SIDE ROOM 2

S2

GIM

Y

XXX



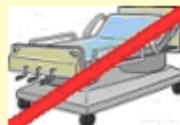
BAY 1

1:4



closed

1:5



closed

1:6



closed





Improved Data flow



- Bed management
- Staff levels
- Specialty Care
- Interaction with other systems
- Ward based pharmacy



WkP1: Understand the current experience

WP2: Develop Symbols

WP3: Data Mapping



Cyflymu
Accelerate



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Assistive Technologies
Innovation Centre (ATIC)



Swansea University
Prifysgol Abertawe

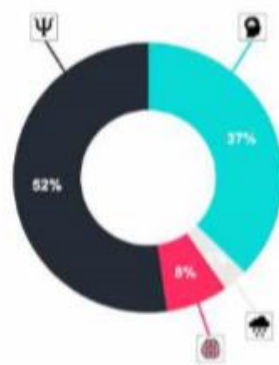
Health Technology Centre
(HTC)



Survey respondents

- 65 respondents
- 95% work for CTMUHB
- 45% work across multiple wards, 32% work on a single ward, 12% in an office

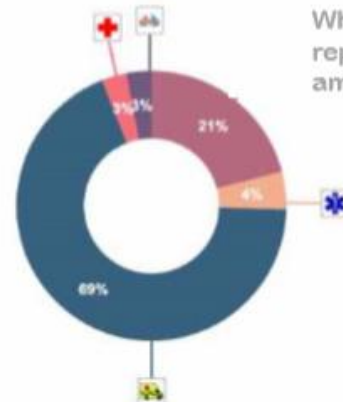
Many users preferred icons which are already in use



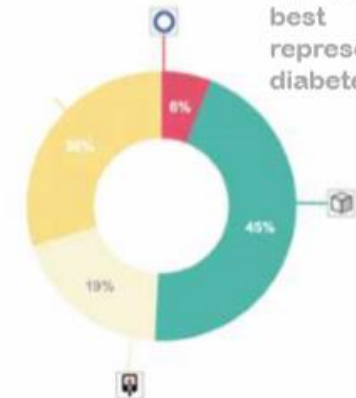
Which icon best represents psychiatry?



Which icon best represents dementia?



Which icon best represents ambulance?




Which icon best represents diabetes?

THE ICONS



Supporting Covid Care in Ysbyty Seren


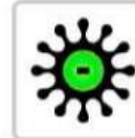



	C?	C1
Telemetry 48 hours	CV Suspected	CV 1 day
C2	C3	C4
CV 2 days	CV 3 days	CV 4 days
C5	C6	C7
CV 5 days	CV 6 days	CV 7 days
C8	C9	C10
CV 8 days	CV 9 days	CV 10 days
C11	C12	C13
CV 11 days	CV 12 days	CV 13 days

COVID-19

Creating better e-whiteboards for CTMUHB

At this challenging moment in our nations health COVID-19 requires a visual language of its own. To assist in the identification and status of COVID-19 patients we have developed a set of supplemental icons for COVID wards.

In Summary

- Transformative approach to clinical care and is being used
- Already demonstrated scalability and spread.
- Multi-disciplinary team driven
- Potential to support Quality Improvement initiatives
- Current programme is providing an evidence base for future development.



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