

Why infection Prevention Auditing Matters



Auditing provides us
with data.

Data is the most
valuable tool we have
for decision making &
promoting change.



Why infection Prevention Auditing Matters



Auditing identifies weaknesses and strengths in healthcare practices and in the healthcare environment

Allows for the implementation of corrective actions to improve patient outcomes and safety



Good auditors = good data



For Auditing to be **successful** we need our auditors to be

Accountable

Compliant

Constructive



A Look at Challenges in Hospital Auditing.



Mostly paper-based



Cumbersome



Transcription errors



Staff confidence



Not environmentally sustainable

Main Takeaways



Paper forms were simply not working

Environmental impact not sustainable

Highlighted only nursing staff were actively participating



What did about it



We utilized QR technology not to change what we audit, but to make it easier for everyone to take part.



How we did it



Created QR codes using REDCap surveys

Ensured that the QR codes were easily accessible

Trained staff on how to use the QR codes

What is a QR code?



Definition:

- QR (Quick Response) codes are two-dimensional barcodes that store information that is readable by smartphones or scanners.

How They Work:

- When scanned, the code instantly directs the user to the stored information or questionnaire.

Common Uses:

- Mobile payments, Product tracking, Event ticketing, IP audits



Creating the QR codes



- We reviewed our current tools
- Identified areas for improvement
- Updated and clarified questions
- Created the survey tools using REDCap.

Applications

- Project Dashboards
- Alerts & Notifications
- Multi-Language Management
- Calendar
- Data Exports, Reports, and Stats
- Data Import Tool
- Data Comparison Tool
- Logging
- Field Comment Log
- File Repository
- User Rights and DAGs
- Data Quality
- REDCap Mobile App

Reports [Search](#) [Organize](#) [Edit](#)

- 1) Footscray Hospital
- 2) Sunshine Hospital
- 3) Williamstown
- 4) Bacchus Marsh
- 5) High risk areas

External Modules [Manage](#) [View Logs](#)

Getting the audits to the staff

Enhanced
mobility

Instant
access

Simplified
workflow



INFECTION PREVENTION (STANDARD 3)
AUDIT TOOLS

-  Point of Care Alcohol Based Hand Rub
-  Aseptic Technique Audits
-  NHHI Hand Hygiene Audit
-  Device Management

Getting the audits to the staff



The QR codes were also imbedded into an action plan that is activated in the Incident Reporting System (Riskman).

Infection Control

When was the infection detected?

Type of infection

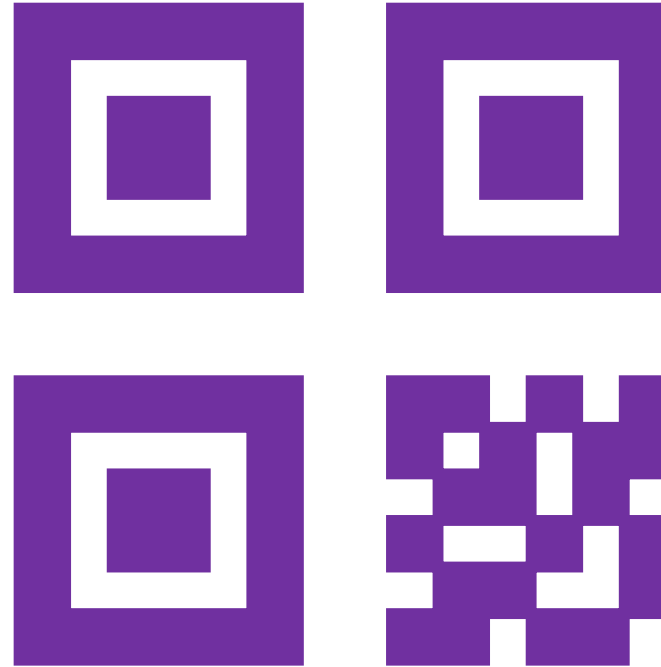
What are the likely site(s)

Small codes with big impact

Benefits of Using QR Codes in Hospital Auditing



- Speed and ease of capturing data
- Real-time updates and monitoring
- Reduction in human errors
- Paperless, eco-friendly process



What we were doing..



1. Paper Based form

Count Sheet

Ward	No bed Bracket present	Bed/wall Bracket or pump Damaged	No end of bed product	No product on wall within curtain space	ABHR Present (bed or wall)	Hi,ow bed	Total beds	Comment
1								
2								
3								
4								

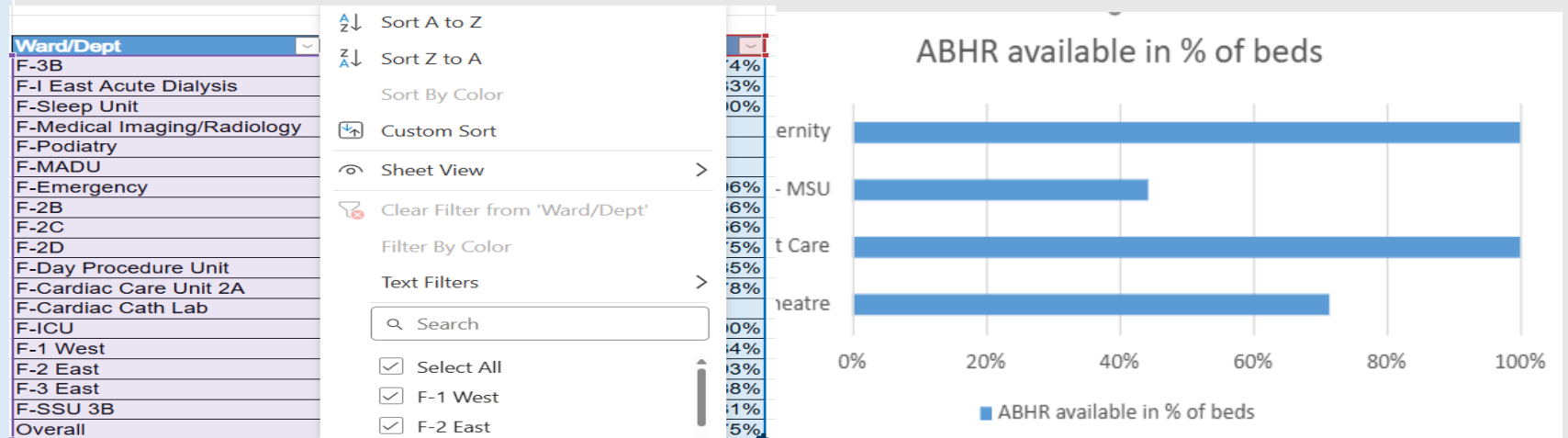
2. Manual Data Entry

Auditor's Name: _____

Date of Audit: 6/10/2022

Choose Site	Ward/Dept	Division	No Bracket present	Bracket Damage	No Product	Total beds	ABHR not available in % of beds	ABHR available in % of beds
SH	S-2A Acute Aged Care	Aged, Cancer & Continuing Care S	2	0	0	28	7%	93%

3. Manual report making



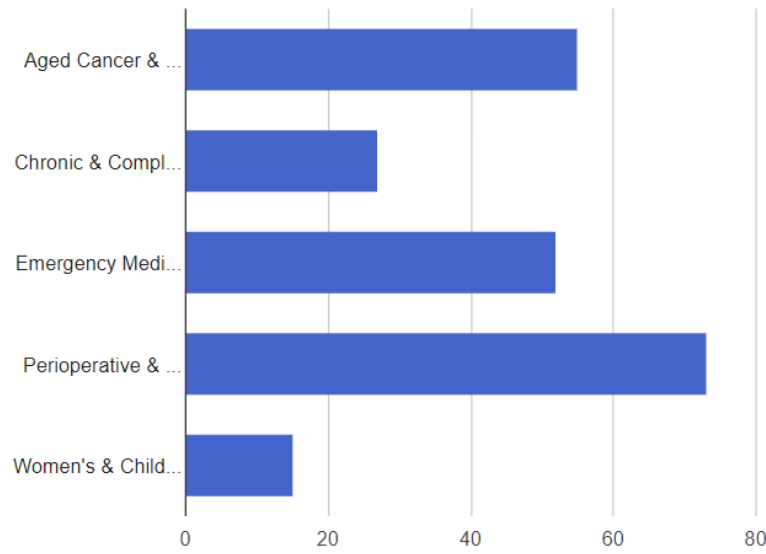
The Data - Reports



Division (division) [Refresh Plot](#) | [View as Bar Chart](#) ▼

Total Count (N)	Missing*	Unique
222	1 (0.4%)	5

Counts/frequency: Aged Cancer & Continuing Care Services (55, 24.8%), Chronic & Complex Care Services (27, 12.2%), Emergency Medicine & Access (52, 23.4%), Perioperative & Critical Care Services (73, 32.9%), Women's & Children's Services (15, 6.8%)

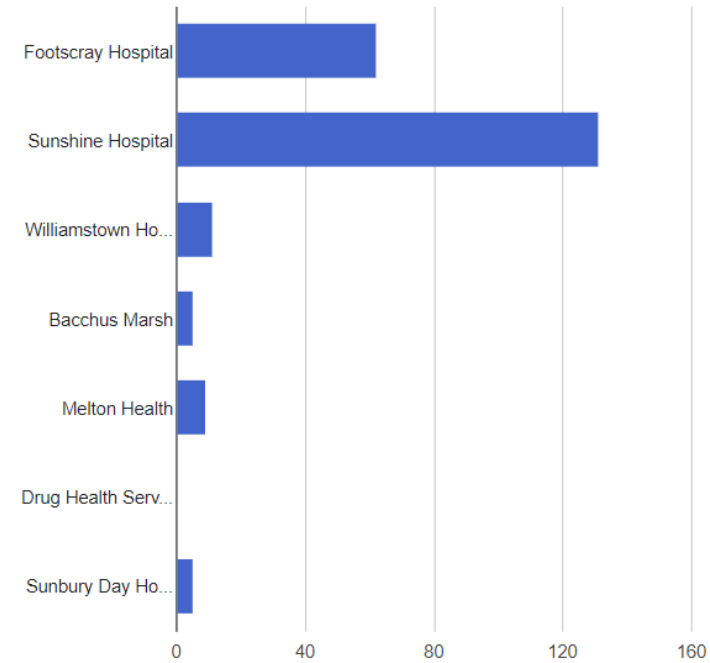


Download image

Campus (campus) [Refresh Plot](#) | [View as Bar Chart](#) ▼

Total Count (N)	Missing*	Unique
223	0 (0.0%)	6

Counts/frequency: Footscray Hospital (62, 27.8%), Sunshine Hospital (131, 58.7%), Williamstown Hospital (11, 4.9%), Bacchus Marsh (5, 2.2%), Melton Health (9, 4.0%), Drug Health Services (0, 0.0%), Sunbury Day Hospital (5, 2.2%)



Download image

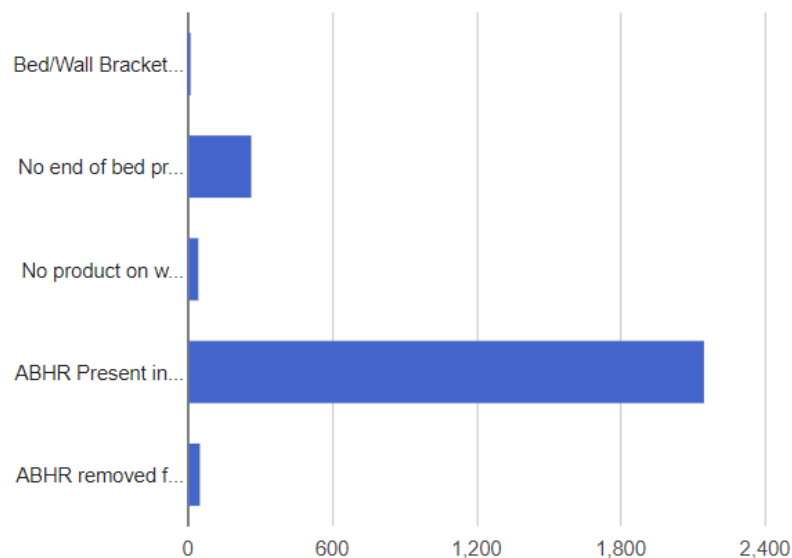
The Data - Alcohol Hand Rub Available At The Point Of Care survey



Status (*bed_achr_status*) [Refresh Plot](#) | [View as Bar Chart](#) ▼

Total Count (N)	Missing*	Unique
2517	181 (6.7%)	5

Counts/frequency: Bed/Wall Bracket or pump Damaged (13, 0.5%), No end of bed product or empty (262, 10.4%), No product on wall within curtain (Pt Zone) (44, 1.7%), ABHR Present in Pt zone (bed or wall) (2145, 85.2%), ABHR removed for safety reasons (53, 2.1%)

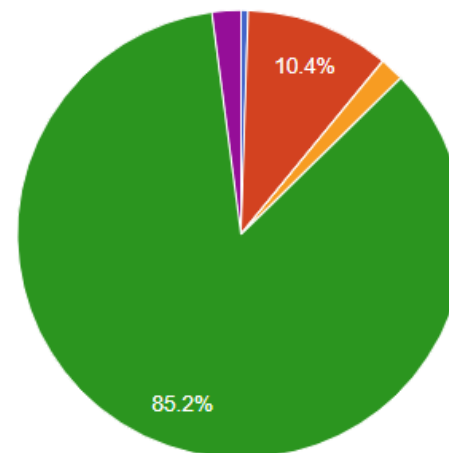


[Download image](#)

Status (*bed_achr_status*) [Refresh Plot](#) | [View as Pie Chart](#) ▼

Total Count (N)	Missing*	Unique
2517	181 (6.7%)	5

Counts/frequency: Bed/Wall Bracket or pump Damaged (13, 0.5%), No end of bed product or empty (262, 10.4%), No product on wall within curtain (Pt Zone) (44, 1.7%), ABHR Present in Pt zone (bed or wall) (2145, 85.2%), ABHR removed for safety reasons (53, 2.1%)



[Download image](#)



The data was great – but...

- **Data was only visible to members of our team**
- **We still had to pull static data for reporting purposes**

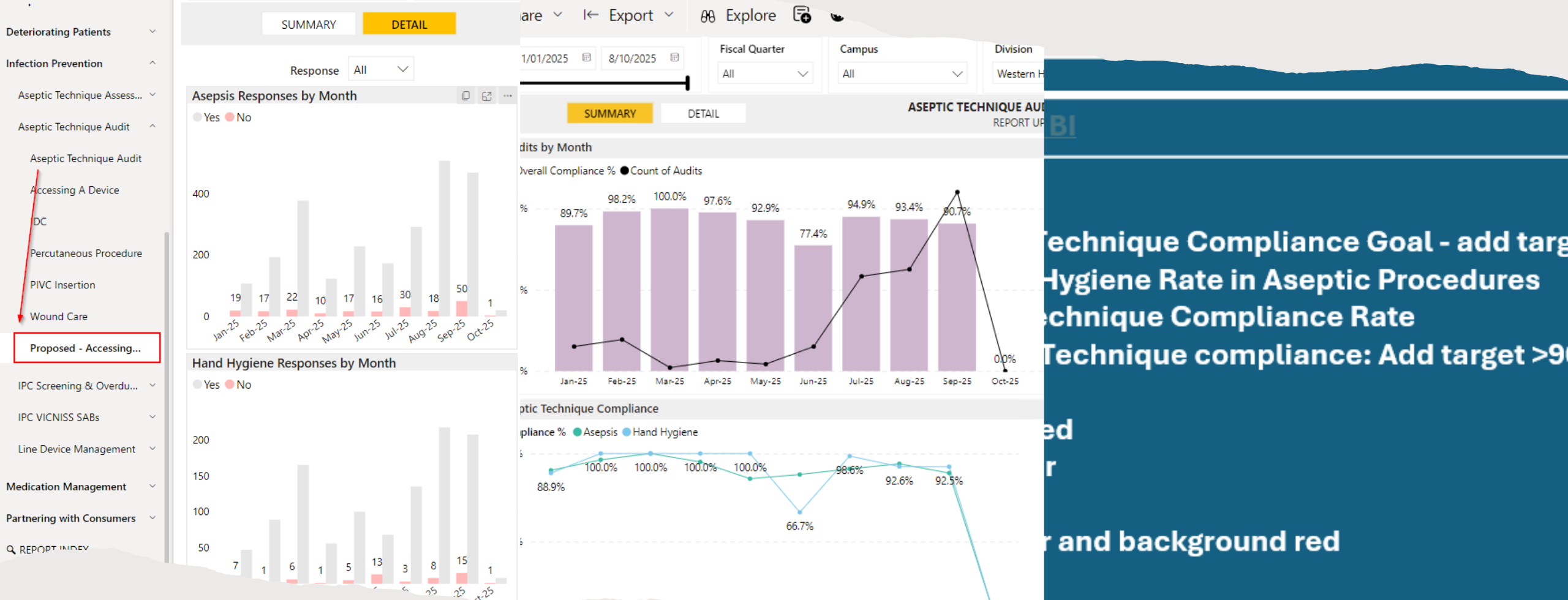


Creating the dashboards



- Centralised data viewing platform
- Real-time monitoring
- Increased efficiency
- Improved decision making
- Customizable alerts and reports





Aseptic Technique Compliance Goal - add target
Hygiene Rate in Aseptic Procedures
Aseptic Technique Compliance Rate
Aseptic Technique compliance: Add target >90%

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s no (see below) – Krish has included a

The Testing Enviroment



Demo video

DEMO- Aseptic Technique Audit

File Share Export Explore Subscribe Monitor

ASEPTIC TECHNIQUE AUDIT
REPORT UPDATED DAILY

STEP 1: SELECT FILTERS

Date Range: 1/01/2025 - 27/10/2025

Fiscal Quarter: All

Campus: All

Division: All

Ward: All

STEP 2: SELECT REPORT

AUDIT TYPE

- SUMMARY
- ACCESSING A DEVICE
- IDC
- PERCUTANEOUS PROCEDURE
- PIVC INSERTION
- WOUND CARE

Appreciations



Thankyou to the IP team members who provided ongoing feedback and contributed to process.

Thankyou to the IT team for pulling this all together in creating the dashboard.



Questions