

Hanwell

Fridge / Freezer Temperature
Monitoring System

What is the Hanwell Fridge Monitoring System?

- Medical / Research fridges and freezers have their temperature monitored continuously
- Temperature radio signals are captured by receiver units and passed to the Computer Server over a computer network
- Temperature records are maintained by the server permanently
- Temperature reports are automatically sent to research / pharmacy staff by email
- Records and logs are viewed from your web browser at work, or at home.
- SMS alarms are sent to key staff
- Alarms can be acknowledged by logging on to the system or by replying to the SMS from your mobile phone



How to Log in to Hanwell EMS software

- The application log in page can be accessed in your browser via the SWSLHD Intranet home page
- Or via 10.164.2.172/EMS

Health
South Western Sydney
Local Health District

Intranet

Thursday, August 24, 2023

Welcome NSWHEALTH\60273624

Your IP: 10.11.1.250
(More details)

SWSLHD HOME SWSLHD INTERNET FORMS EMERGENCY NUMBERS

CLINICAL

CORPORATE

Policies, Procedures & Guidelines

IMS+

eMR PACS

StaffLink

SARA

Quality Improvement Hub

Innovation 2.0

Fridge Alarm Log

Transforming Your Experience

MOH Managers Portal

Information Security Incident Notification

District's Brand Library

People Matter
NSW Public Sector Employee Survey 2023

START SURVEY NOW

Health Beyond Research & Innovation Showcase 2023

Days Hours Minutes

11:00:14

4th September 2023 9am
<https://healthbeyondshowcase.org.au/>

Bulletin Board

Search Intranet
Advanced Search

Customise

Web Directory

Feedback

Redevelopment Projects

Events Calendar

Coronavirus (COVID-19)
Information and resources

Senior Personnel Directory

ICT Services
8738 5888

NSW Medicines Formulary
Customisation Guide

Main Login Page

This is where your username and password is entered

EMS uses cookies. By continuing you agree to the use of cookies, as detailed in our [privacy and cookies policy](#).



Welcome to Hanwell EMS

Your Environmental Monitoring System

Login below

SIGN IN

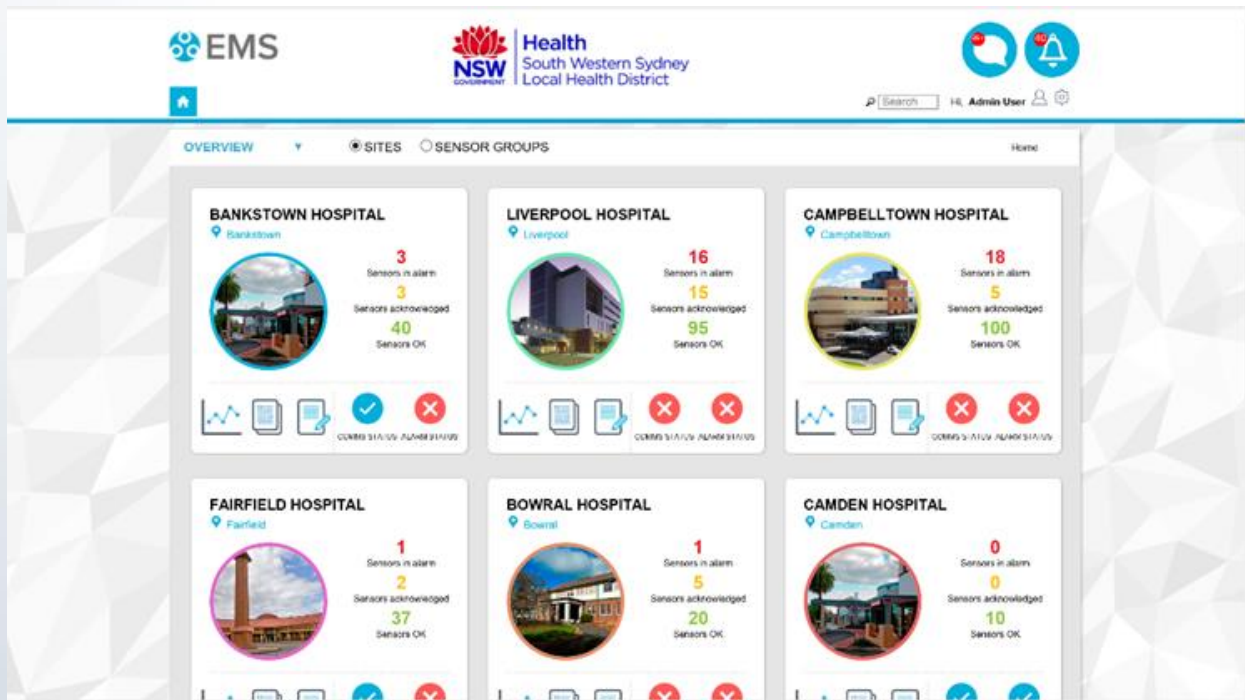
 **Hanwell**
Ultimate peace of mind

All Rights Reserved
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 **ellab**
Part of the
Ellab Group

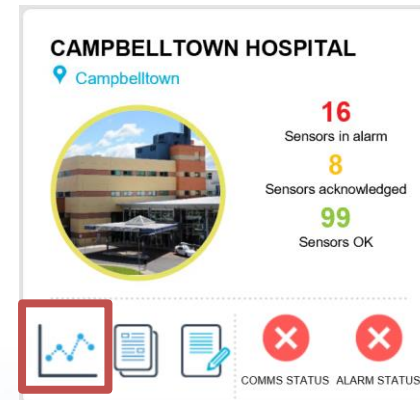
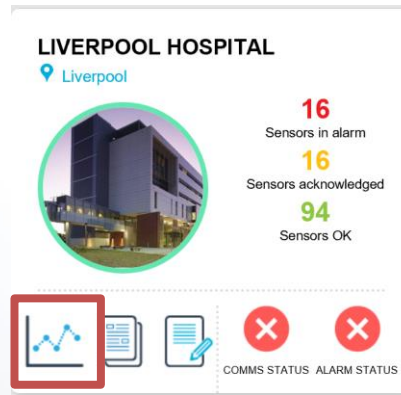
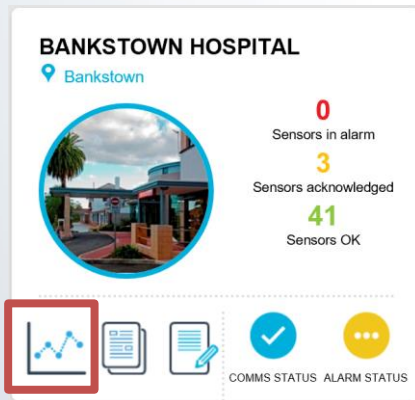
The Main Page

- The main page shows if there are problems at a glance.
- The alarm status is shown top right corner.
- The main tile in the view window shows the number of **fridges in your area that are OK** or **have an alarm**, or **have had an alarm but now acknowledged**.
- Access to graphical records are accessible by clicking on “graph” link.



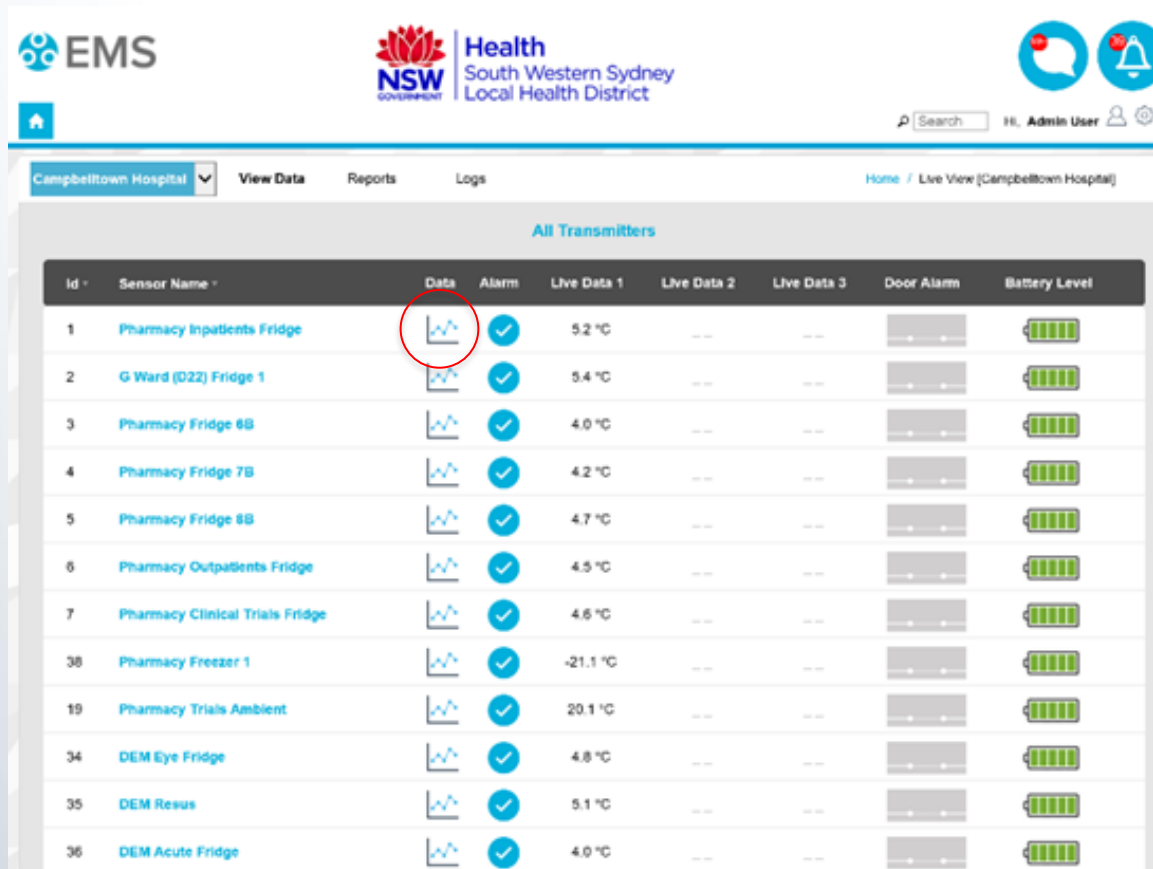
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Looking at Today's temperatures

- Clicking on the View Data button will show a list of your fridges in a table format. This table shows the temperature of your fridge/s in real time.
- Clicking on the Data icon will show data for any selected fridge.



The screenshot displays the EMS interface for Campbelltown Hospital. The top navigation bar includes the EMS logo, NSW Government Health South Western Sydney Local Health District logo, and user information (Admin User). The main content area is titled "All Transmitters" and contains a table with the following columns: Id, Sensor Name, Data, Alarm, Live Data 1, Live Data 2, Live Data 3, Door Alarm, and Battery Level. The first row, "Pharmacy Inpatients Fridge", has its "Data" icon circled in red. The table lists 13 fridges with their respective temperatures and battery levels.

Id	Sensor Name	Data	Alarm	Live Data 1	Live Data 2	Live Data 3	Door Alarm	Battery Level
1	Pharmacy Inpatients Fridge			5.2 °C	--	--		
2	G Ward (D22) Fridge 1			5.4 °C	--	--		
3	Pharmacy Fridge 6B			4.0 °C	--	--		
4	Pharmacy Fridge 7B			4.2 °C	--	--		
5	Pharmacy Fridge 8B			4.7 °C	--	--		
6	Pharmacy Outpatients Fridge			4.5 °C	--	--		
7	Pharmacy Clinical Trials Fridge			4.6 °C	--	--		
38	Pharmacy Freezer 1			-21.1 °C	--	--		
19	Pharmacy Trials Ambient			20.1 °C	--	--		
34	DEM Eye Fridge			4.8 °C	--	--		
35	DEM Resus			5.1 °C	--	--		
36	DEM Acute Fridge			4.0 °C	--	--		

Looking at Today's temperatures

- By Hovering over the View Data menu you can view any other zones, if this applies to your login responsibilities
- Click on Live View and it produces a drop down menu of any other zones related to your EMS Login.
- Clicking on one of these zones displays the relevant devices in that labelled area.

The screenshot displays the EMS dashboard interface. At the top, there are logos for EMS, NSW Government, and Health South Western Sydney Local Health District. A navigation bar includes 'View Data', 'Reports', and 'Logs'. A search bar and user information 'Hi, Admin User' are also present.

The main content area shows a dropdown menu for 'Campbelltown Hospital' and a 'View Data' menu. The 'View Data' menu is open, showing a 'Live View' dropdown with the following options:

- All Transmitters
- Pharmacy
- Emergency
- Cancer Therapy Centre Pharmacy
- B21 Surgical Short Stay Unit
- B22 General Surgery
- B32 Orthopaedic
- B31 Neurology
- A61 Respiratory
- D11 Aged Care
- D12 General Medicine
- D21 MAU
- A31 Intensive Care Unit
- A41 Birthing
- A52 Maternity 2
- A81 Paediatric Unit

The 'All Transmitters' table displays the following data:

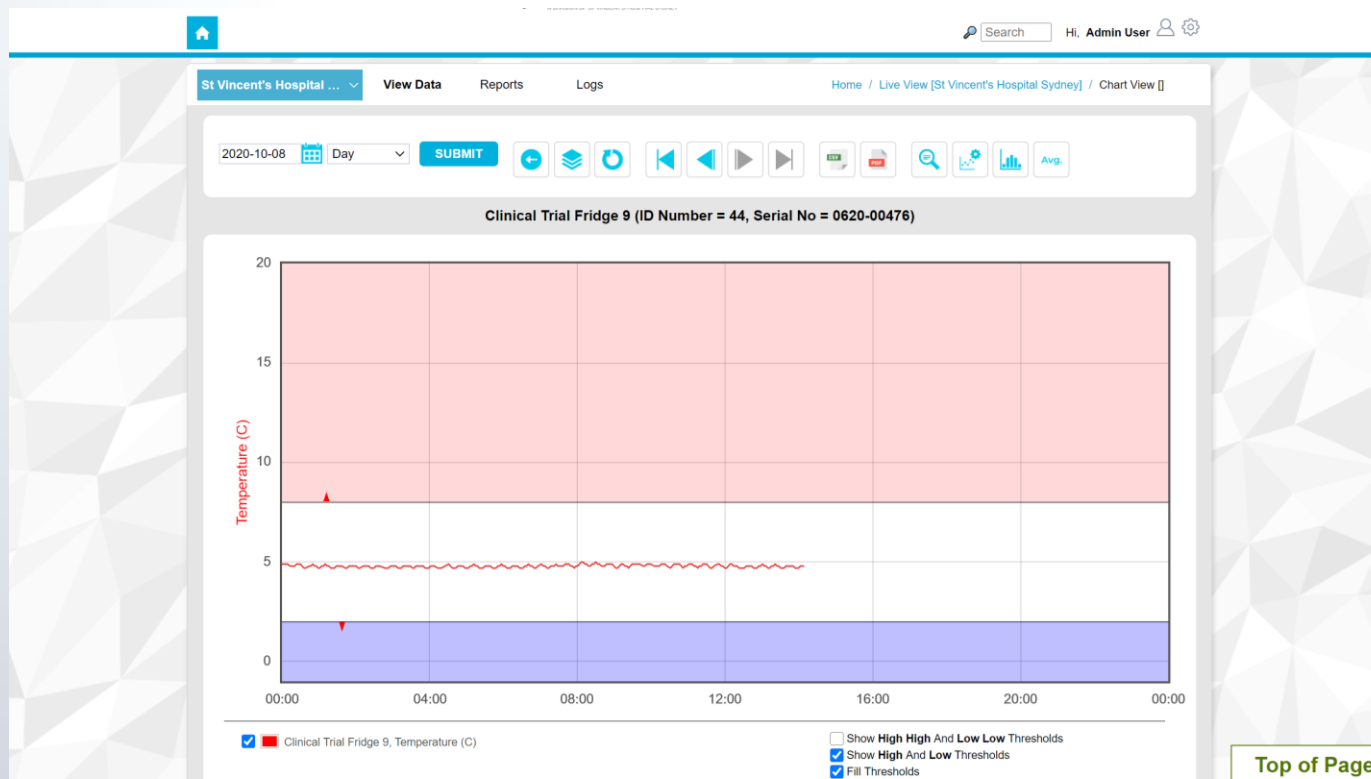
Id	Sensor Name	Live Data 1	Live Data 2	Live Data 3	Door Alarm	Battery Level
1	Pharmacy Inpat	5.3 °C	--	--		
2	G Ward (D22) F	5.4 °C	--	--		
3	Pharmacy Fridg	4.0 °C	--	--		
4	Pharmacy Fridg	4.0 °C	--	--		
5	Pharmacy Fridg	4.6 °C	--	--		
6	Pharmacy Outp	5.1 °C	--	--		
7	Pharmacy Clini	4.5 °C	--	--		
38	Pharmacy Freez	-20.9 °C	--	--		
19	Pharmacy Trial:	20.1 °C	--	--		
34	DEM Eye Fridg	4.6 °C	--	--		
35	DEM Resus	5.0 °C	--	--		
36	DEM Acute Frid	3.9 °C	--	--		

The right-hand side of the dashboard shows a 'View Data' menu with the following options:

- Live View
- Graph View
- Plan View
- Pie Chart View
- Edit Mode
- Global Settings
- Decimal Places
- Default View
- Mobile Data
- User Alerts
- System Check

Looking at Today's temperatures

- Clicking on the View Data button will show a list of your fridges in a table format. This table shows the temperature of your fridge/s in real time.
- Here you can select a date to view in the calendar function and view by day/week/month
- By using the arrows you can move forward and backwards
- The PDF button takes a snapshot of the graph as viewed and downloads as a PDF



When there is Temperature Breach

- The main page shows a RED alarm status icon top right.
- An SMS message will also be sent to people nominated for your area. The message will detail the temperature breach showing the name of the fridge.
- Click on Alarm Status Button to view any devices in alarm



The screenshot shows the EMS dashboard for the NSW Health South Western Sydney Local Health District. The top navigation bar includes the EMS logo, NSW Government logo, and user information (Hi, Admin User). There are two notification icons in the top right: a blue bell icon with a red '1' badge and a red 'X' icon. Below the navigation bar, there are tabs for OVERVIEW, SITES, and SENSOR GROUPS. The main content area displays a table with columns for Site Name, Alarm Status, Comms Status, View Data, User Alerts, Reports, and Logs. The table lists various sites and their current alarm and communication statuses.

Site Name	Alarm Status	Comms Status	View Data	User Alerts	Reports	Logs
Bankstown Hospital	✘	✔				
Liverpool Hospital	✘	✘				
Campbelltown Hospital	✘	✘				
Fairfield Hospital	✘	✔				
Bowral Hospital	✘	✘				
Camden Hospital	✔	✔				
Community Health Services	✔	✔				
Mental Health Community Services	✔	✘				
Population Health	✘	✘				

When there is a breach

- An alarm monitoring panel will emit an audible alarm and show the fridge in the panel's display.
- The first action should be to go to the fridge and see if the problem can be easily fixed (door left open is closed).
- If the fridge has failed, actions should be taken to move the contents to another fridge. Follow normal procedures.
- The alarm must then be **ACKNOWLEDGED** on the software system

To Acknowledge an Alarm

- Acknowledging an alarm tells the system a person has taken responsibility for that alarm. If not done, there are no further alarms on this fridge.
- To acknowledge the alarm, click on the RED alarm status icon top right.
- Continue to click on all subsequent RED alarm icons until the “alarm acknowledgement window” appears.
- Enter related notes in the User Actions box and press “Acknowledge”

The image shows two screenshots of the EMS Alarm Sensors web application. The left screenshot shows the 'Alarm Sensors [APPLIED MEDICAL RESEARCH]' page with a table of sensors. The right screenshot shows the 'Acknowledge Alarm' window for a specific sensor.

1 - A red number '1' is placed over the notification bell icon in the top right corner of the browser window in the left screenshot.

2 - A red number '2' is placed over the red alarm status icon in the rightmost column of the table in the left screenshot.

3 - A red number '3' is placed over the 'User Actions' text area in the 'Acknowledge Alarm' window in the right screenshot.

4 - A red number '4' is placed over the 'Acknowledge' button at the bottom of the 'Acknowledge Alarm' window in the right screenshot.

Sensor Name	Type	Channel 1	Channel 2	Channel 3	Alarm Status
FR146 (UTS-L8 South)	°C	1.6 °C	--	--	
FZ113 (Inflam-L8 Main L...)	°C	-- °C	--	--	
FZ66 (Biobank - L3 FR)	°C	-- °C	--	--	
FZ06UT (UTS - L8 South)	°C	-14.9 °C	--	--	
FZ04UT (UTS - L8 South)	°C	36.1 °C	--	--	

Alarm type	Activation Datetime	Property	Value
High	20 Sep 2020 19:34:52	Temperature	-14.9 °C

Different Alarm Symbols

Low Battery



Elapsed Time
(no data for 2hrs)



High Alarm




Low Alarm



These symbols also appear on the alarm panel display

Once the Alarm is Acknowledged

- Once the alarm is acknowledged, the alarm status icon will turn Amber.
- It is now important to continue to resolve the issue with the fridge if failed, or if resolved, this now completes all actions.
- The system will recheck the fridge for correct temperature in 1 hour. If fridge is within normal range, the alarm icon will clear and return to Green.
- If the fridge alarm is acknowledged but still is outside temp range, a new alarm is raised.

Sensor Name	Type	Channel 1	Channel 2	Channel 3	Alarm Status
C27 548 Binder +37 13-...	°C,	33.7 °C	--	--	

0

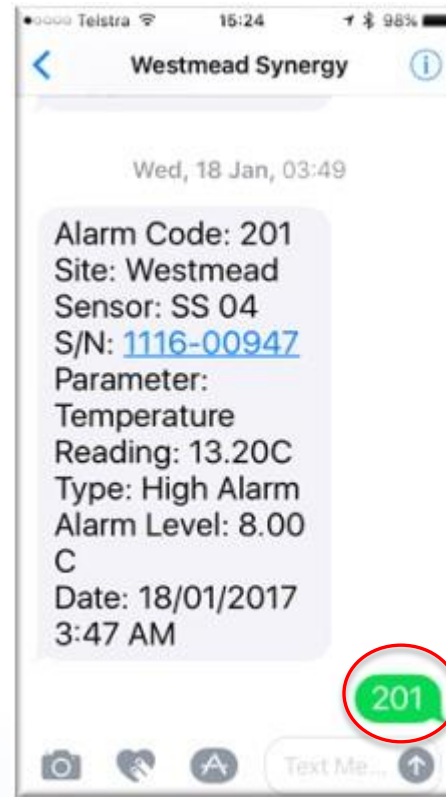
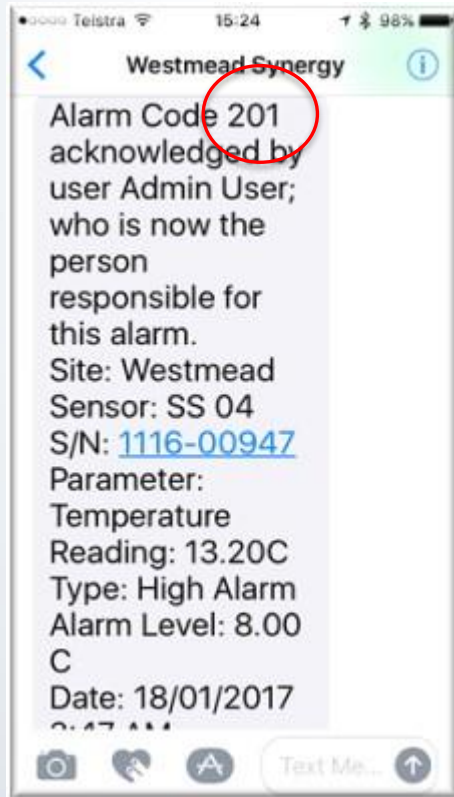
Sensors in alarm

1

Sensors acknowledged



SMS Messages



To acknowledge alarms by reply SMS, simply enter the alarm code and “send”.

Common Questions

- Do I still have to complete the paper charts? **Yes.**
- Will the fridge go in to alarm easily when the door is opened?
No, the fridge will not easily go in to alarm as the sensor changes temperature slowly.
- If the display on the fridge shows a different temperature to the Hanwell system, which is correct?
The temperature on the Hanwell system is more accurate as it shows the temperature of the contents inside the fridge.
- Is it important to allow space in the fridge for cold air to circulate freely?
Yes, the airflow in the fridge must not be obstructed by the contents of the fridge. Warm or cold air zones can form. The Hanwell system will detect this and show a dramatically different temperature to the fridge display. Please assume the Hanwell system is correct.
- Who can I contact to change reports or mobile alerts?
Please contact [Simon](mailto:simon.Templeton@ecfast.com.au) (simon.Templeton@ecfast.com.au) at ECFast with all relevant details such as hospital location and new details to be updated.



This is a fridge in a ward. The nursing team assumed the fridge to be OK even though the Hanwell system showed the inside to be freezing. The Hanwell system was correct and the contents had been frozen (and used) for over 5 days