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PAWS

User Guide

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Logging into the PPM+ mobile app, enrolling for single sign on, Ward View via PPM+ mobile app

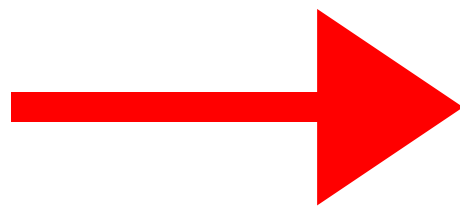**1** [Click here](#) for the user guide for logging into the PPM+ mobile app.
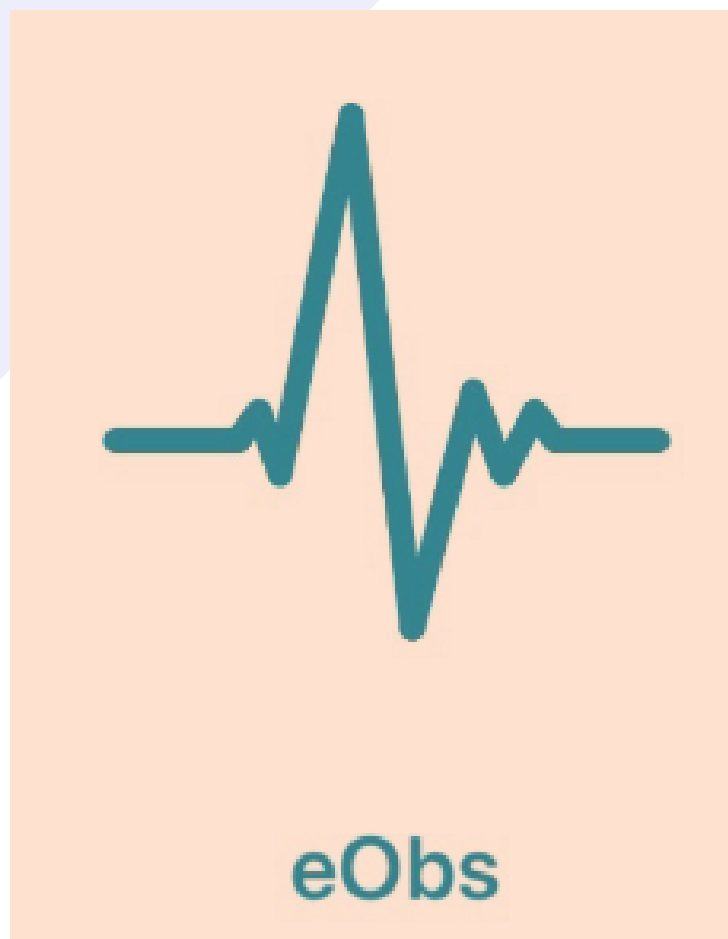
2 [Click here](#) for the user guide for viewing the Ward View via the PPM+ mobile app.
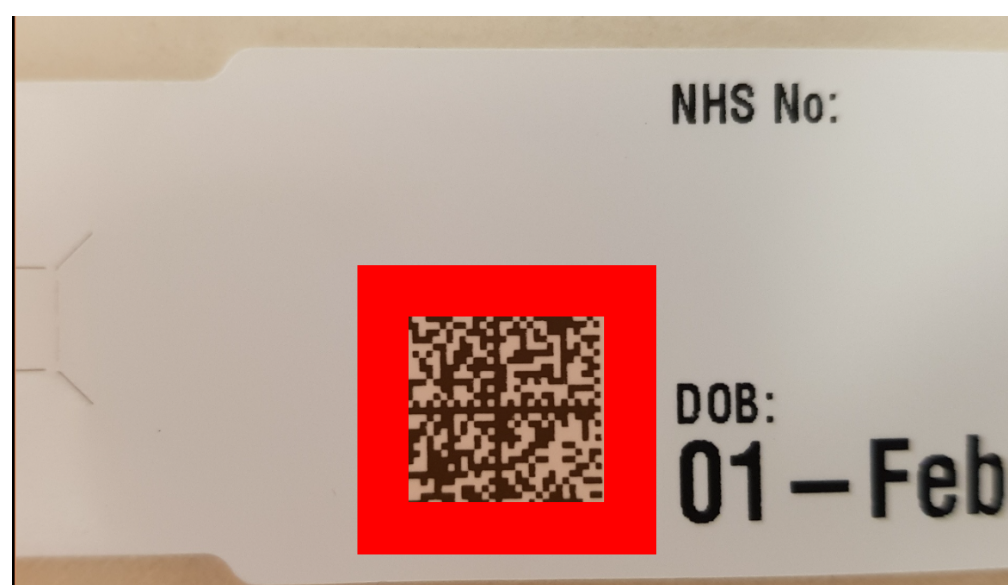
3 [Click here](#) for the user guide for enrolling for single sign on.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

eObs

Take reading

Once you have selected your patient, to take an observation, select eObs and then Take Reading.

To ensure you are recording a reading on the correct patient, scan the patient's wristband.

TESTTEAM, Seven (Mr)

CONFIRM THE PATIENT'S IDENTITY

Before proceeding with your request, you need to verify the patient's identity by

Scan wristband   Scan

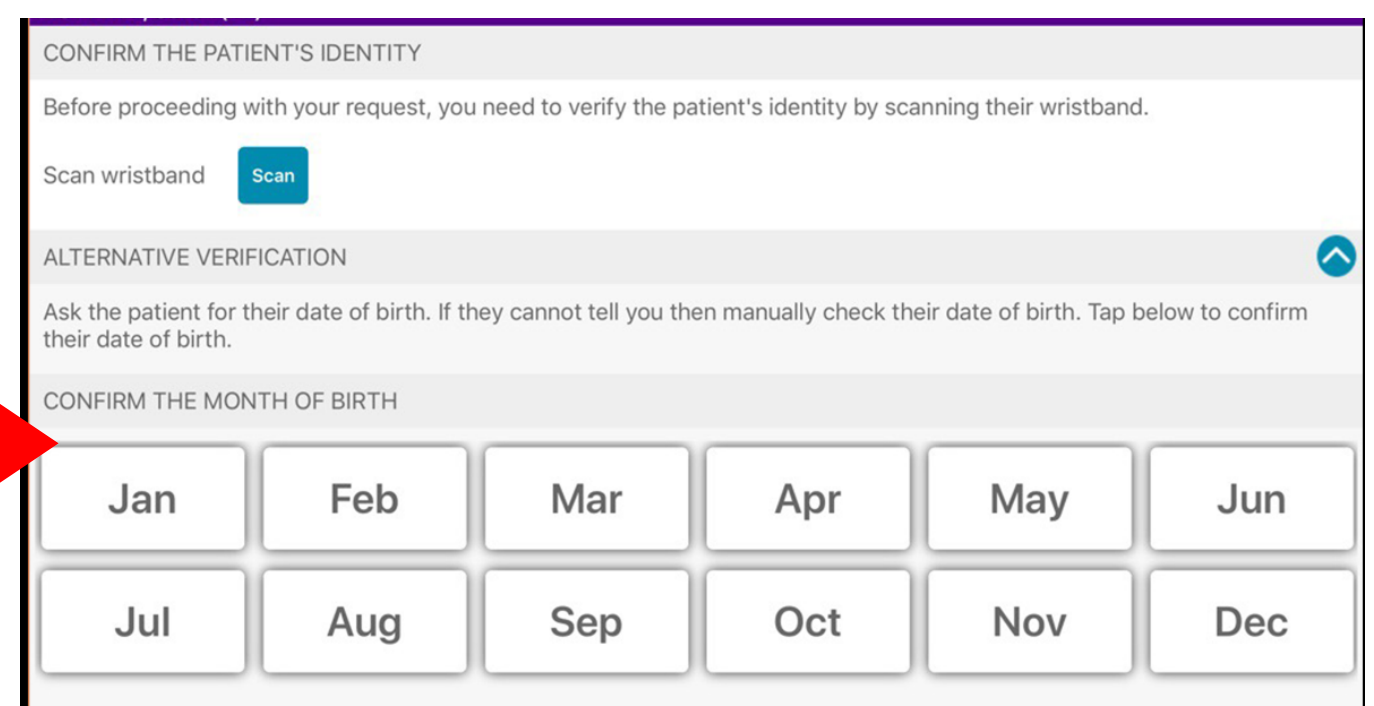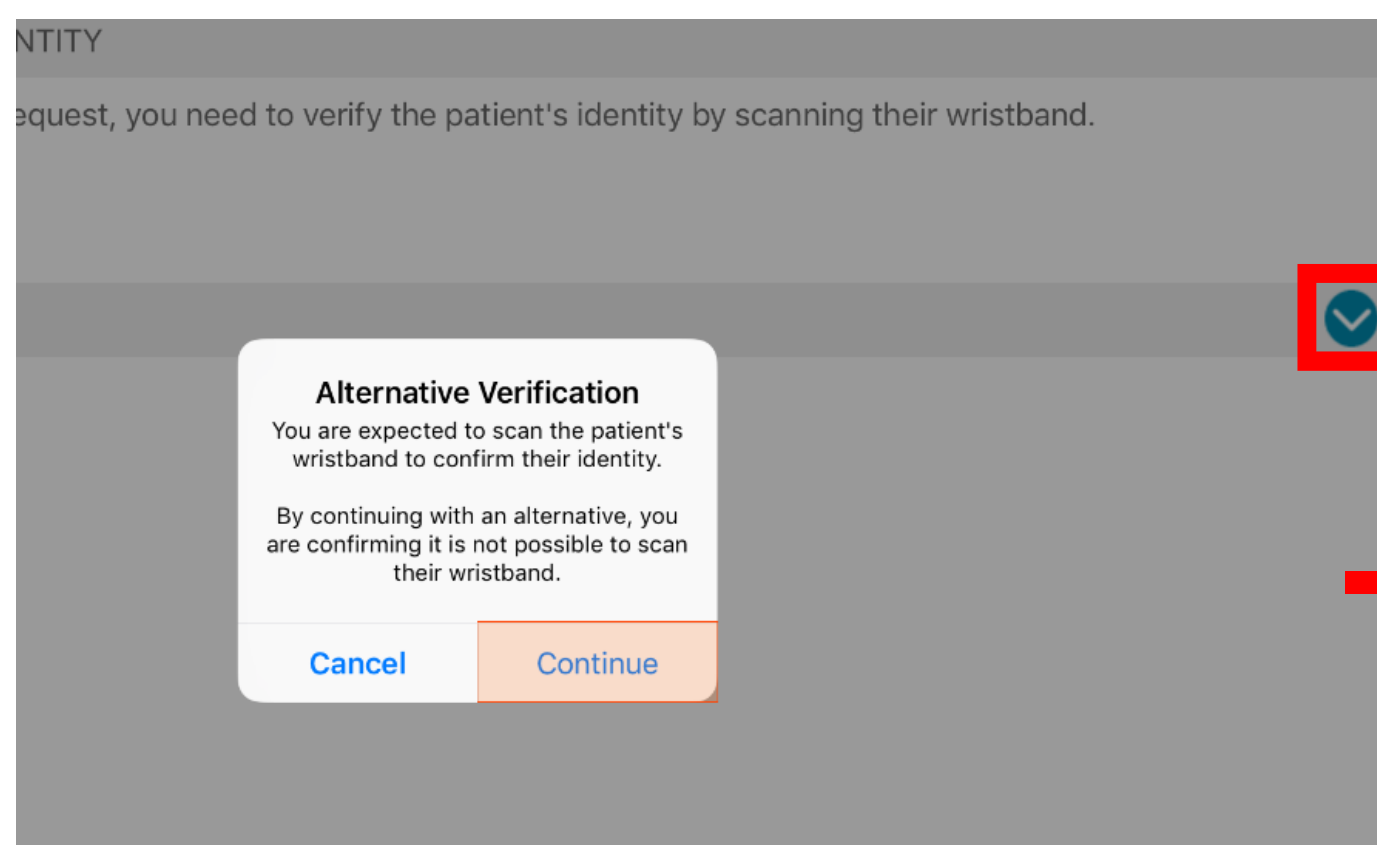ALTERNATIVE VERIFICATION

NHS No:

DOB: 01–Feb
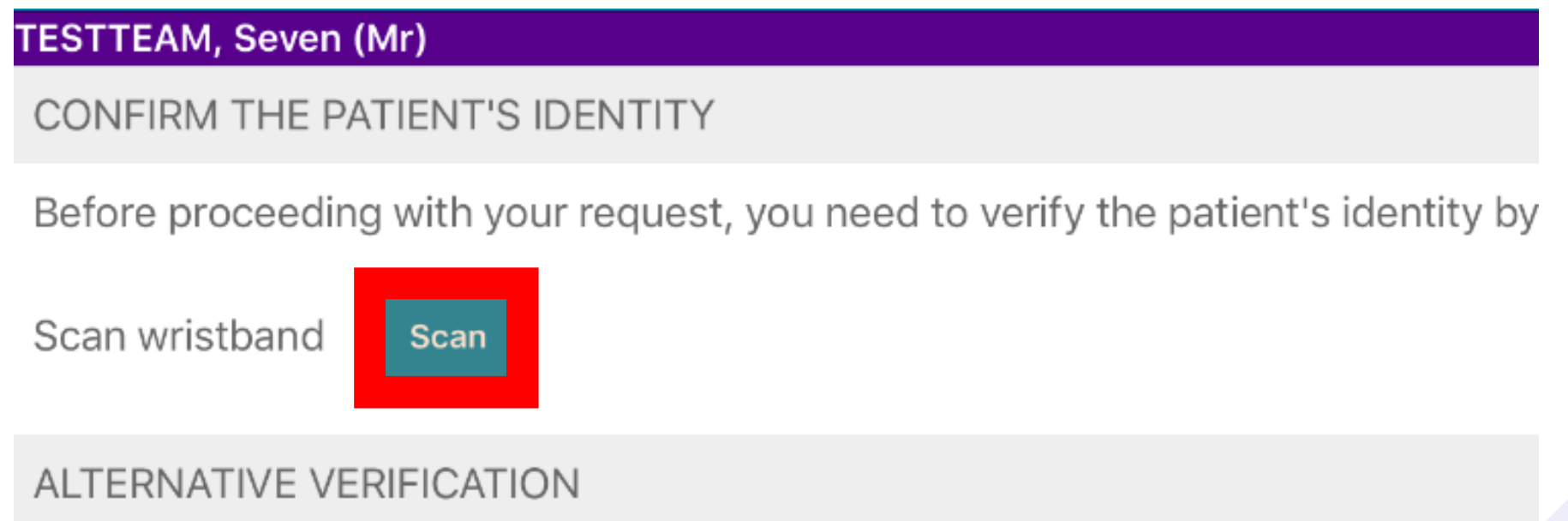
Remember, to scan the patient's square "QR" barcode on their wristband.

If you are unable to scan their wristband, please use PAS to print a new one.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

If it is still not possible to scan a patient's wristband, you are able to verify a patient by confirming their Date of Birth. Click on the blue drop down arrow and click continue on the message. Then enter the patient's Date of Birth.

The observations form will then be presented. You can now enter in the observations.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

Remember, you can now electronically record additional observations such as Blood Glucose, Neurological, Spinal, Tracheostomy at the bottom of the Observation form.

To enter a 'Grimace score' first you must select
V1 - None,
in the Neurological Observations, in order to open the appropriate menu.

Please make sure you select whether the Neurological Observations are for an Adult/Child or Child/Infant.

Select submit to record the observations to the Patient's record.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

A summary of the observations will then be displayed along with the Graded Response Strategy.

Address **Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX**   PAS No: **4999920**

RESULTS PAWS (Age 8 to 16 Years)   6

1. Notify the nurse in charge
2. Contact the doctor immediately using the SBAR framework. Doctor to review within 30 minutes
3. Perform full observations **hourly** (respiration, oxygen saturation level, pulse rate, blood pressure, capillary refill time and AVPU)
4. Start continuous monitoring (ECG, oxygen saturation, blood pressure)

Heart Rate	3	**45** BPM
Respiratory Rate	3	**30** breaths/min
Blood Pressure	0	Lying/Sitting **100/80**
Capillary Refill Time	0	**2** seconds
Oxygen Saturation	0	**95** %
Temperature	0	**38** °C
Consciousness	0	**Alert**
Pain		**1 - Mild Pain**

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

Pain	0 - None
TASKS	
3h	Observations Due
1m ago	Observations Intervention Required

When a full set of Observations have been taken (minimum Respiration rate and Heart rate). The task will then be completed. The tasks area shows when the next observations are due.

Patients with a PAWS score 0-2 will default to 4 hourly

If you are unable to take a full set of observations, scroll down to the bottom of the observation form and select from the available reasons.

Please indicate why it has not been possible to obtain a full set of observa

| Patient Not In Bed | Patient Asleep | Patient Refused | Other |

Submit

Select submit to record the Obsevartions to the Patient's record.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

Partial observations will appear with a "P" next to it on the results screen but also on the Ewhiteboard column called 'Observations' for that particular patient.

Address **Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX**   PAS No. **4999**

RESULTS PAWS (Age 8 to 16 Years)   0P

Record the **observations 12 hourly** (minimum) or as per protocol

Capillary Refill Time	0	**2** seconds
Oxygen Saturation	0	**95** %
Temperature	0	**38** °C
Consciousness	0	**Alert**
Pain		**1 - Mild Pain**

TASKS

| 37m | **Observations Due** |

A set of observations taken which include a minimum of the heart rate (HR) and respiratory rate (RR) will complete the task.

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

If an intervention is required (for PAWS of 3 or more) select the task underneath the results.

The intervention form will then be generated. Select from the available intervention responses.

Once completed, select submit at the bottom of the form.

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For further information please contact: leedsth-tr.ImplementationTeam@nhs.net or call 0113 20 (60599)

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

You can also enter the interventions via tasks on the patient actions screen.

Tasks

Only the most recent intervention will be available to complete.

Address **Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX** | PAS N

| | To Do (3) | Overdue (3) | Due (0) | All (3) |

15d ago	Falls Daily Care Plan
45m ago	Observations Intervention Required
45m ago	Observations Due

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

You can withdraw an intervention from the table view by selecting the observation then Withdraw Intervention. More on accessing the table view later.

	09-Mar-2020 14:23	09-Mar-2020 14:21	09-Mar-2020 14:20	09-... 14:...
Score	6P (PAWS (8+ years))	5 (PAWS (8+ years))	0 (PAWS (8+ years))	2
Intervention	Yes			
Partial Indication	Patient Refused			Pat
RR (breaths/min)	25			8
O2 Sat (%)				
Supp O2				
Blood Pressure				
Standing 1 Minute BP				
Standing 3 Minute BP				
HR (BPM)				
Temp (°C)	40			
Consciousness	Verbal			U
CRT (Sec)	3	2	2	
Pain Score		0 - None	0 - None	
Blood Glucose (mmol/L)				
GCS				

Address **Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX**
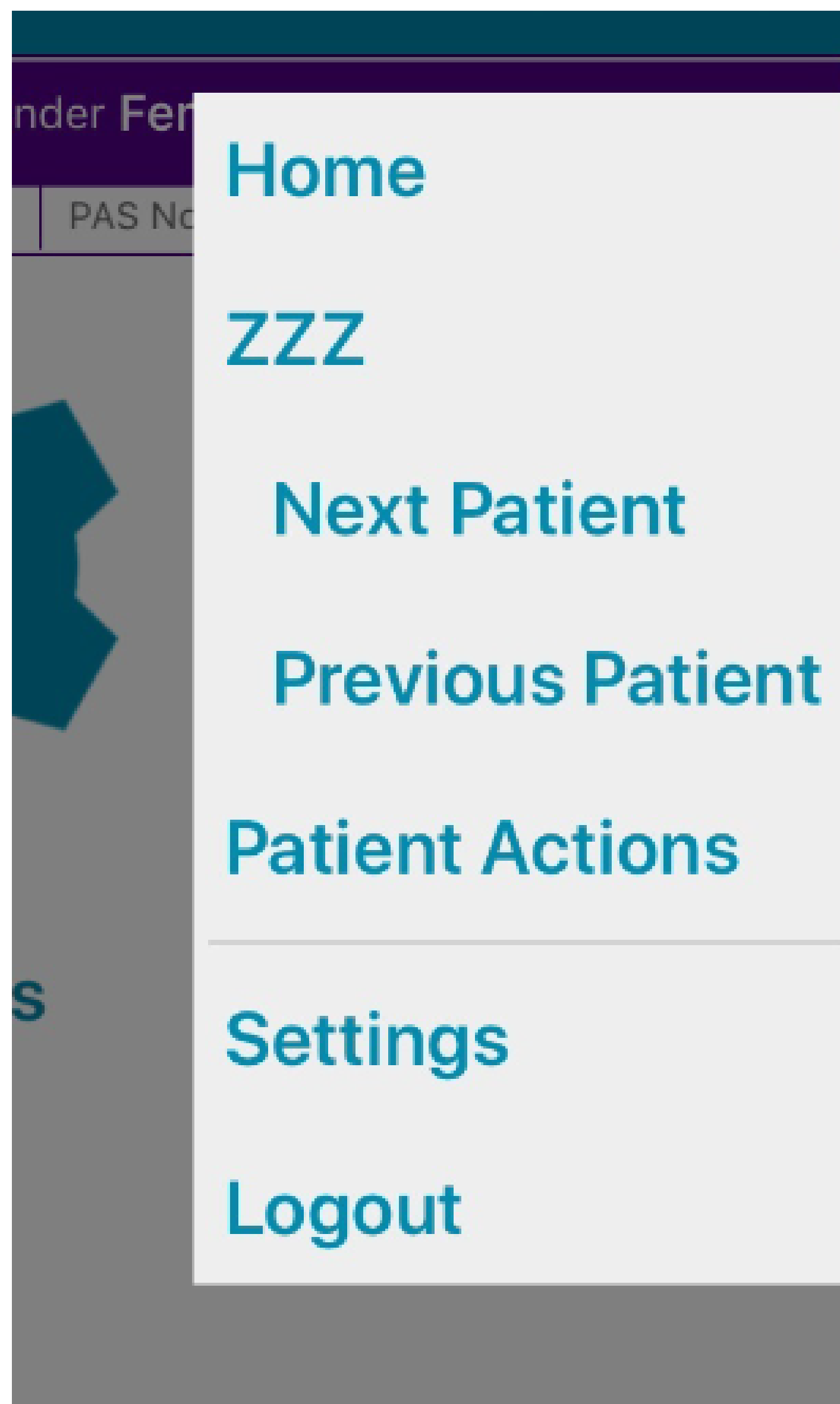SHOWING (All Admissions)

09-Mar-2020 14:23

Withdraw Document
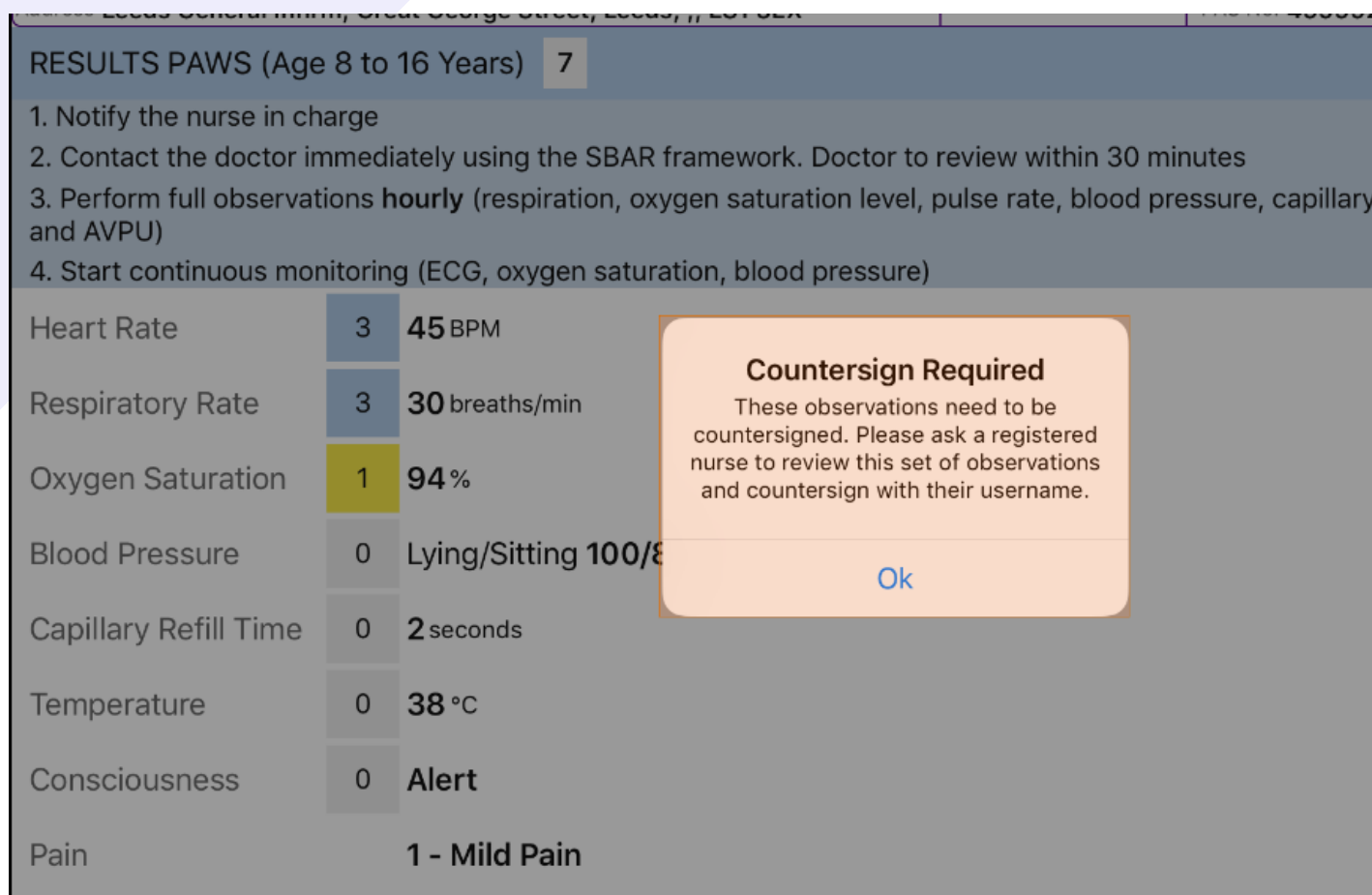
View Document

View Intervention

Withdraw Intervention

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Taking a Reading, Partial Observations and Interventions using the PPM+ mobile app

Remember, you can use the menu in the top right to quickly navigate to the ward view, Patient Actions and the Next and Previous Patients on your ward.

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Countersigning, Charts and Tables

If an observation result requires a countersignature, the user will receive a prompt. The countersignature should be obtained as soon as possible to avoid any delays in the escalation process by a qualified member of staff.

Qualified Staff Only

You may be asked to review the results and enter in your PPM+ Username and Password then tap authorise.

Qualified Staff Only

Alternatively, you can also countersign using your badge and PIN (if registered) by selecting Countersign Options. Then change to Scan Badge.

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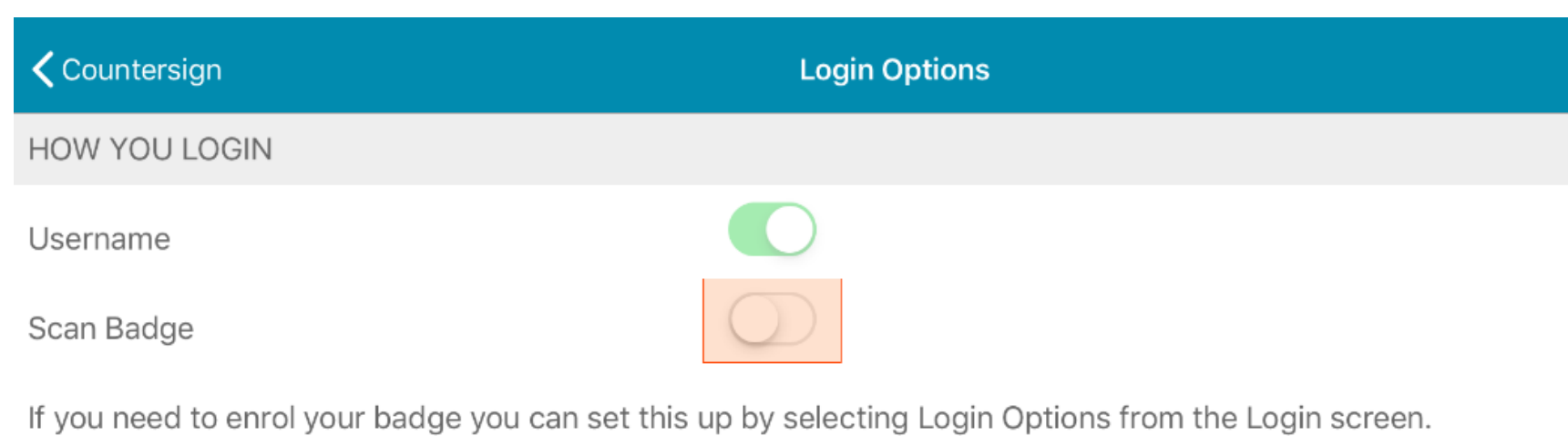
Countersigning, Charts and Tables

Once the observations have been authorised, remember to hand the ipad back to the original user as they will still be logged in.
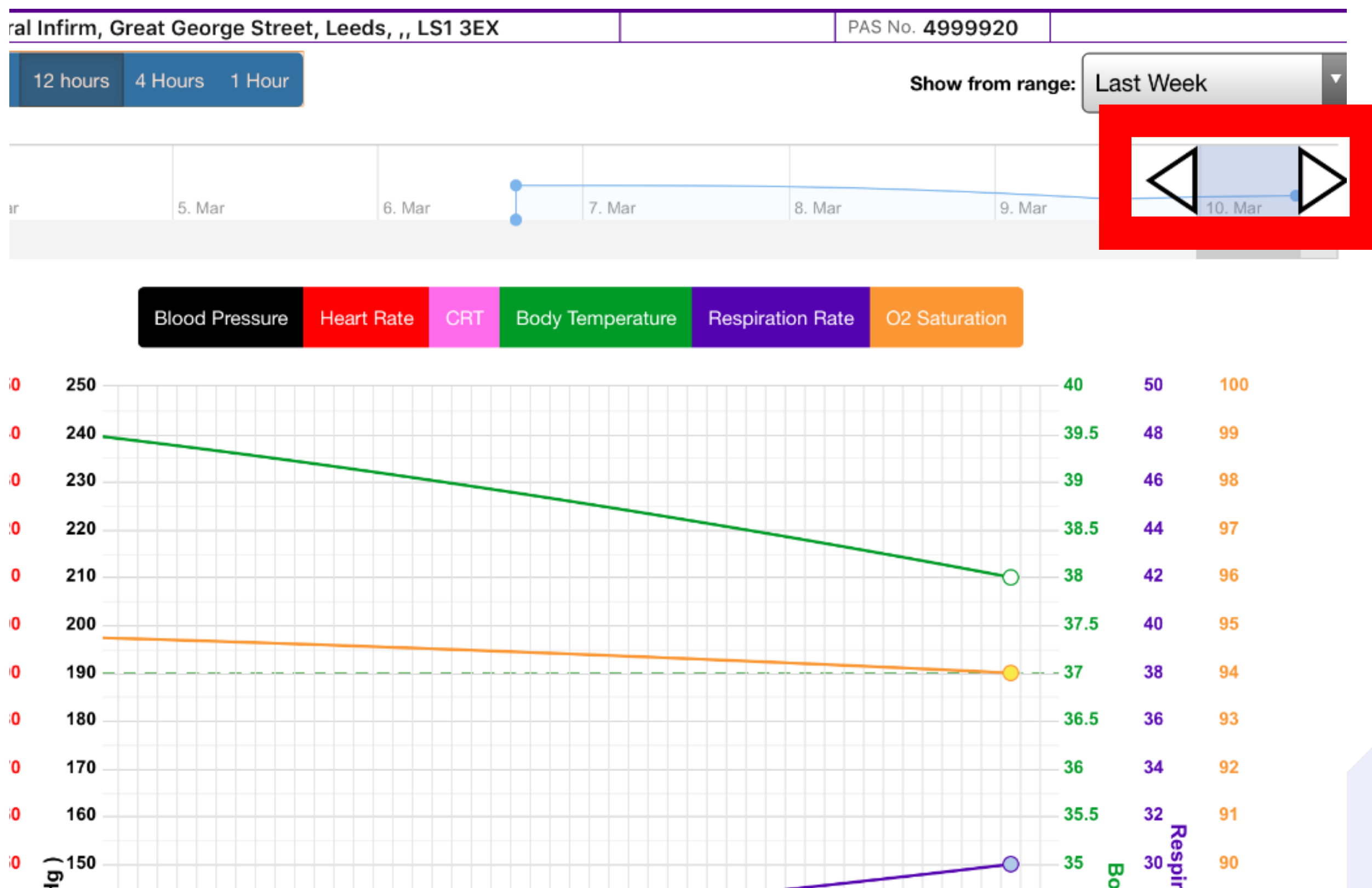
You can view all electronically recorded observation in a chart form by selecting Charts.
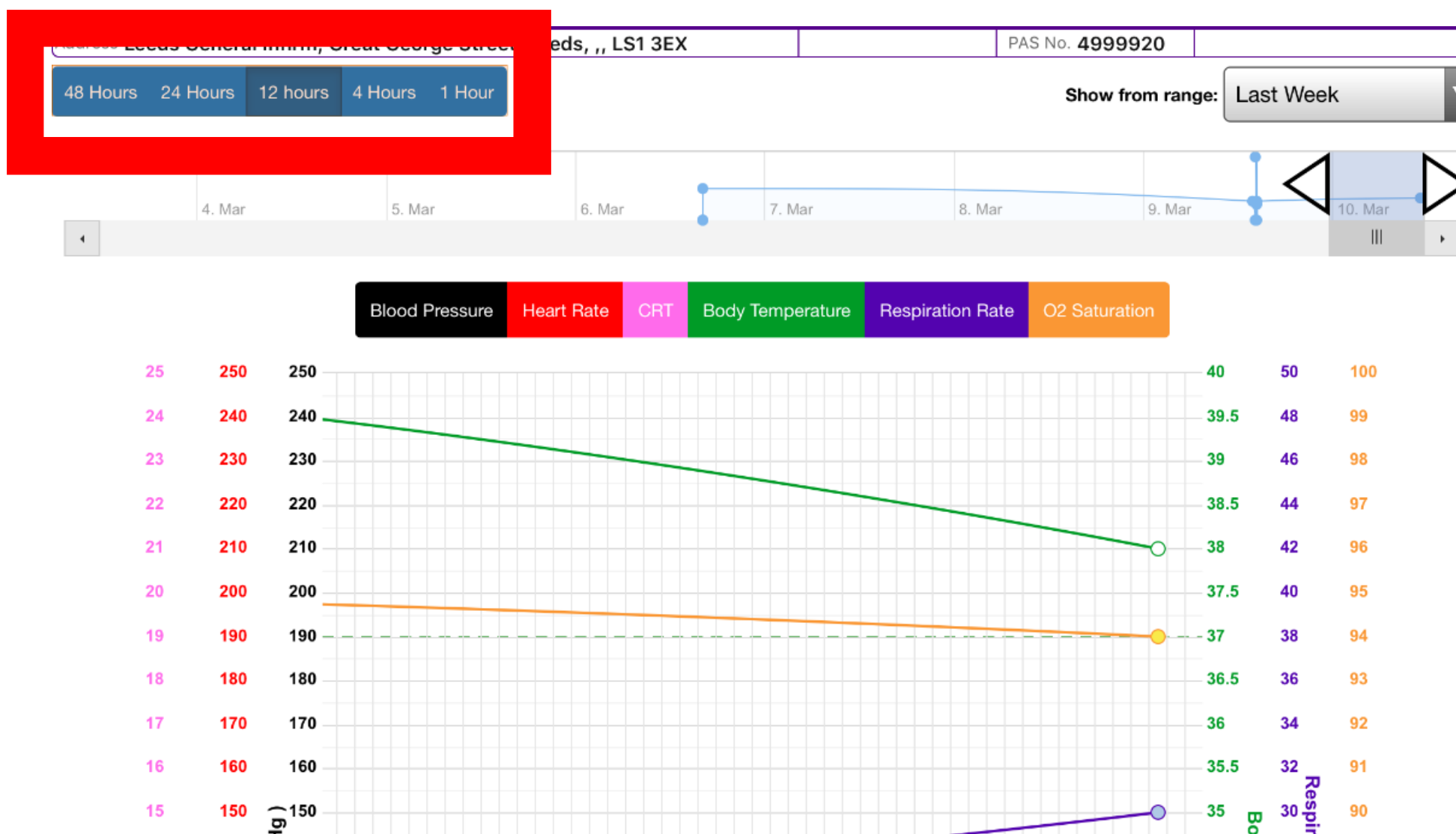
Charts

The chart view will default to the last 12 hours but you can change the time period displayed with the buttons in the top-left.
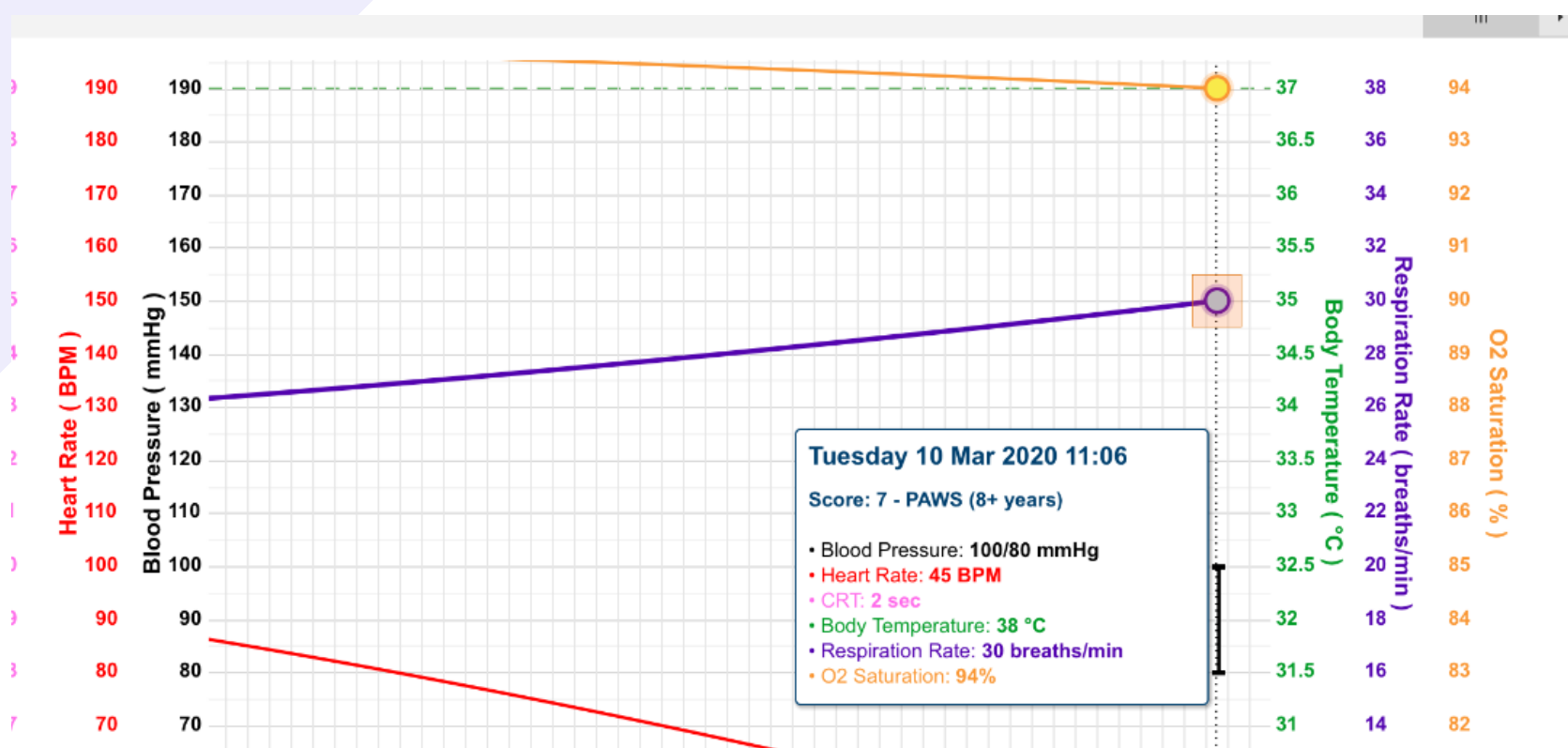
15

Countersigning, Charts and Tables

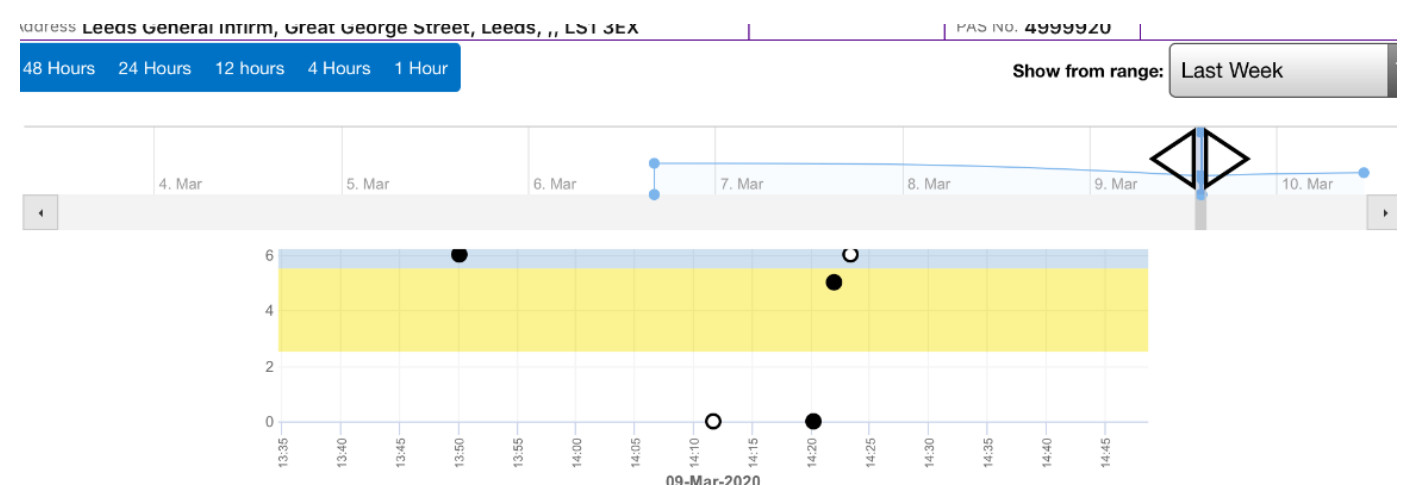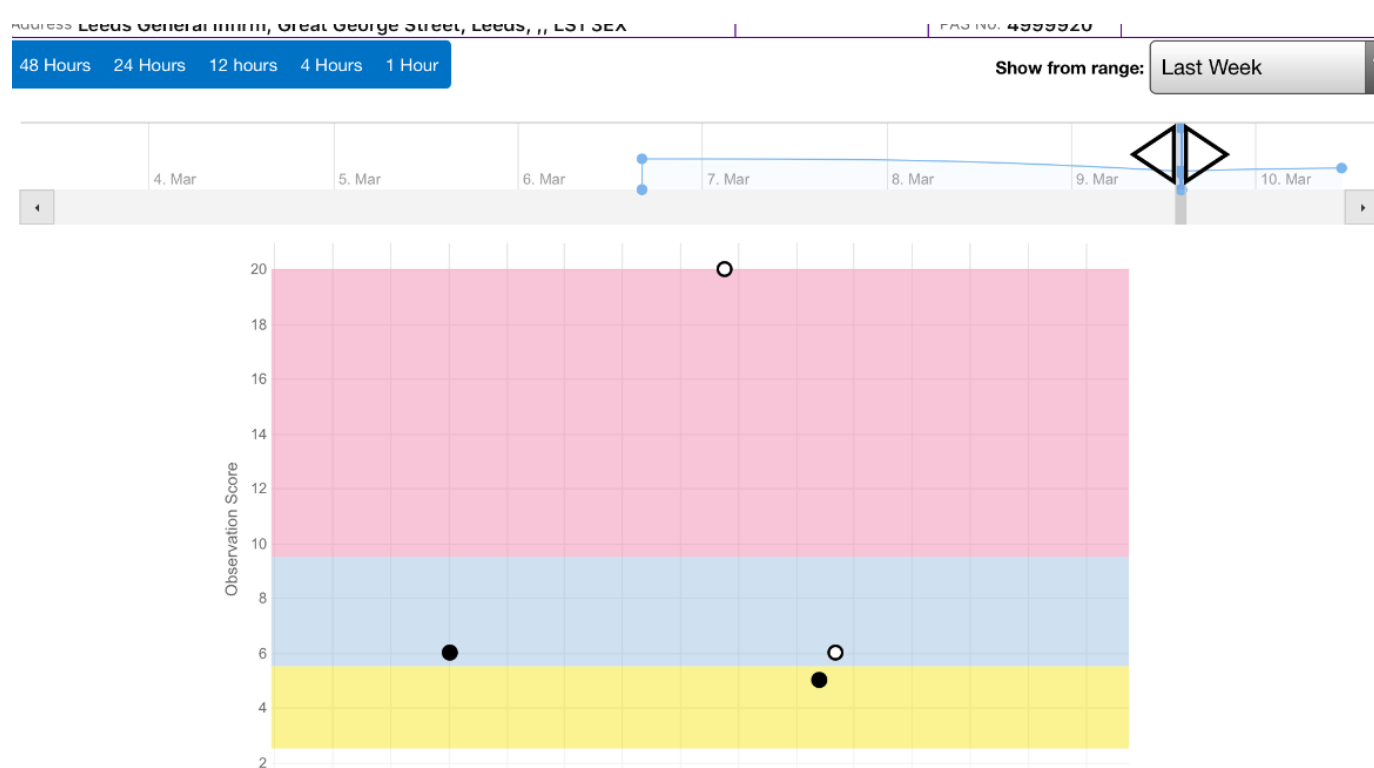You can also display a custom time period by using the sliders at the top right.

Notice how each individual observation point has been colour-coded to represent the result. **White = 0 Yellow = 1 Blue = 3 Pink = 10**

For further information please contact: leedsth-tr.ImplementationTeam@nhs.net or call 0113 20 (60599)
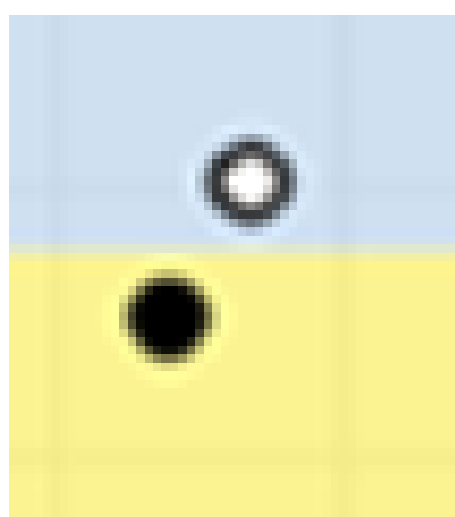
Countersigning, Charts and Tables

Select an individual result to view all readings displayed on the chart for that time.

Scroll down to view the rest of the charts and tables including overall PAWS scores and any additionally recorded observations.

	09/03 13:50	09/03 14:11	09/03 14:13	09/03 14:20	09/03 14:21	09/03 14:23
O2 Sat (%)	95	95		95	95	
Supp O2						
Consciousness	Alert	Alert	Unresponsive	Alert	Alert	Verbal

A complete dot denotes a complete set of observations. A white dot with a black outer denotes a partial set of observations.
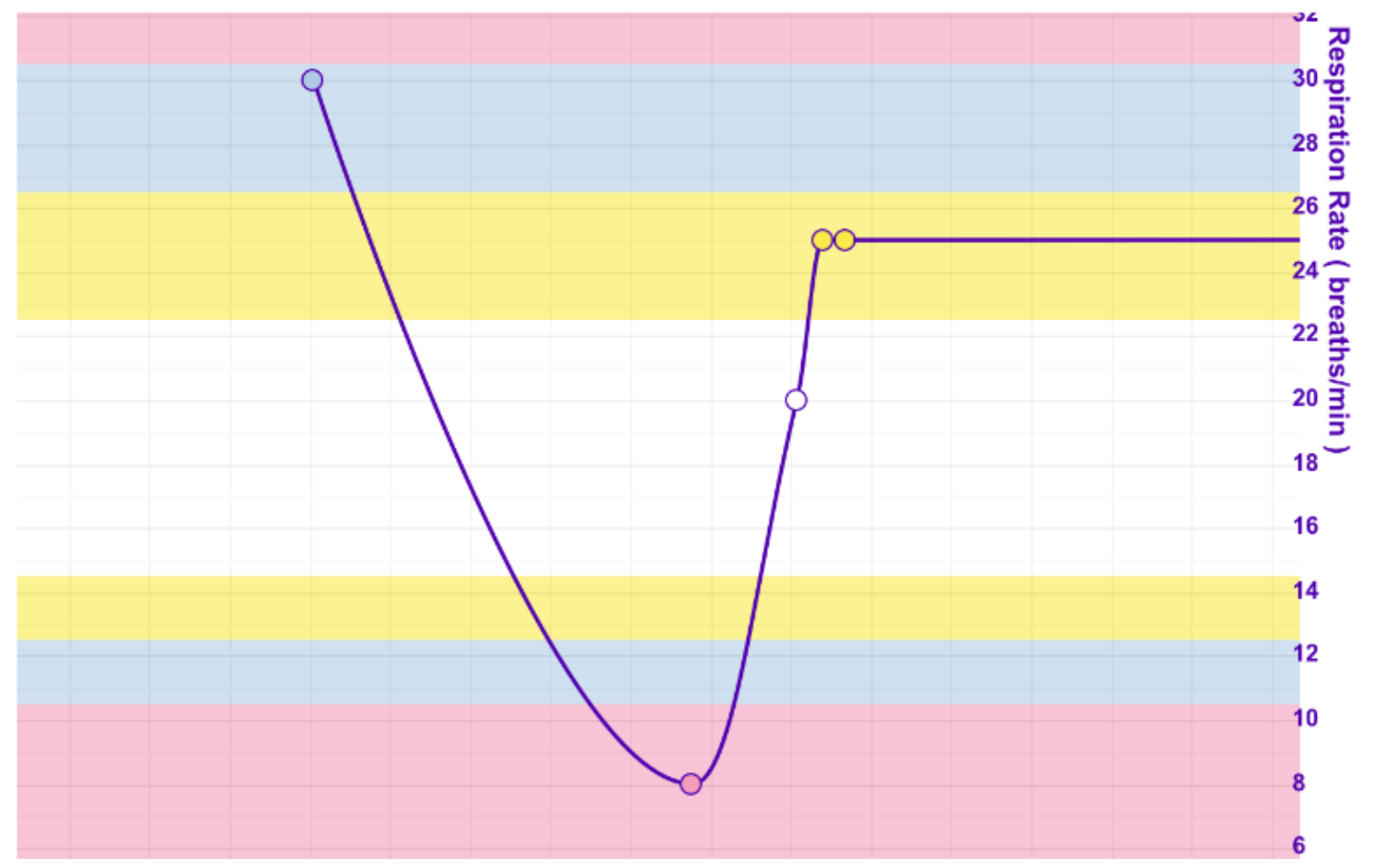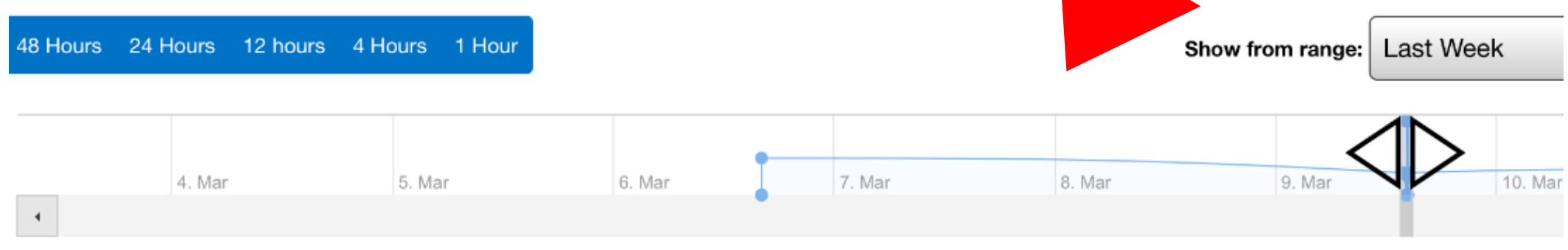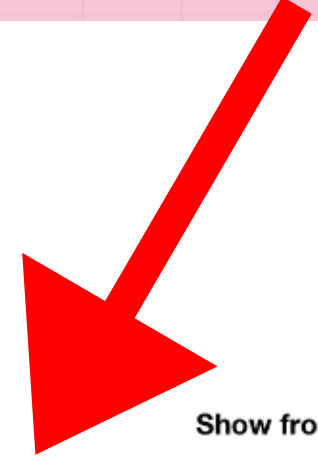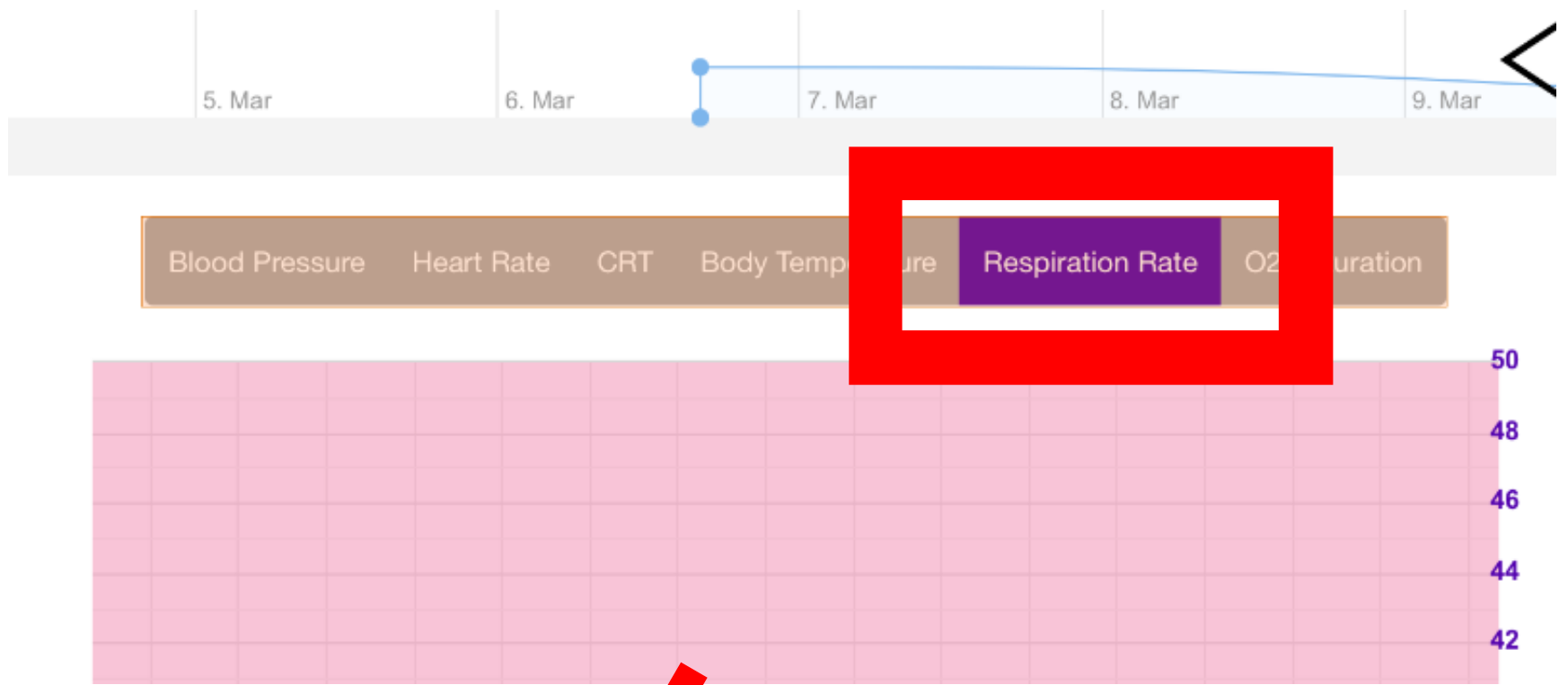
Countersigning, Charts and Tables

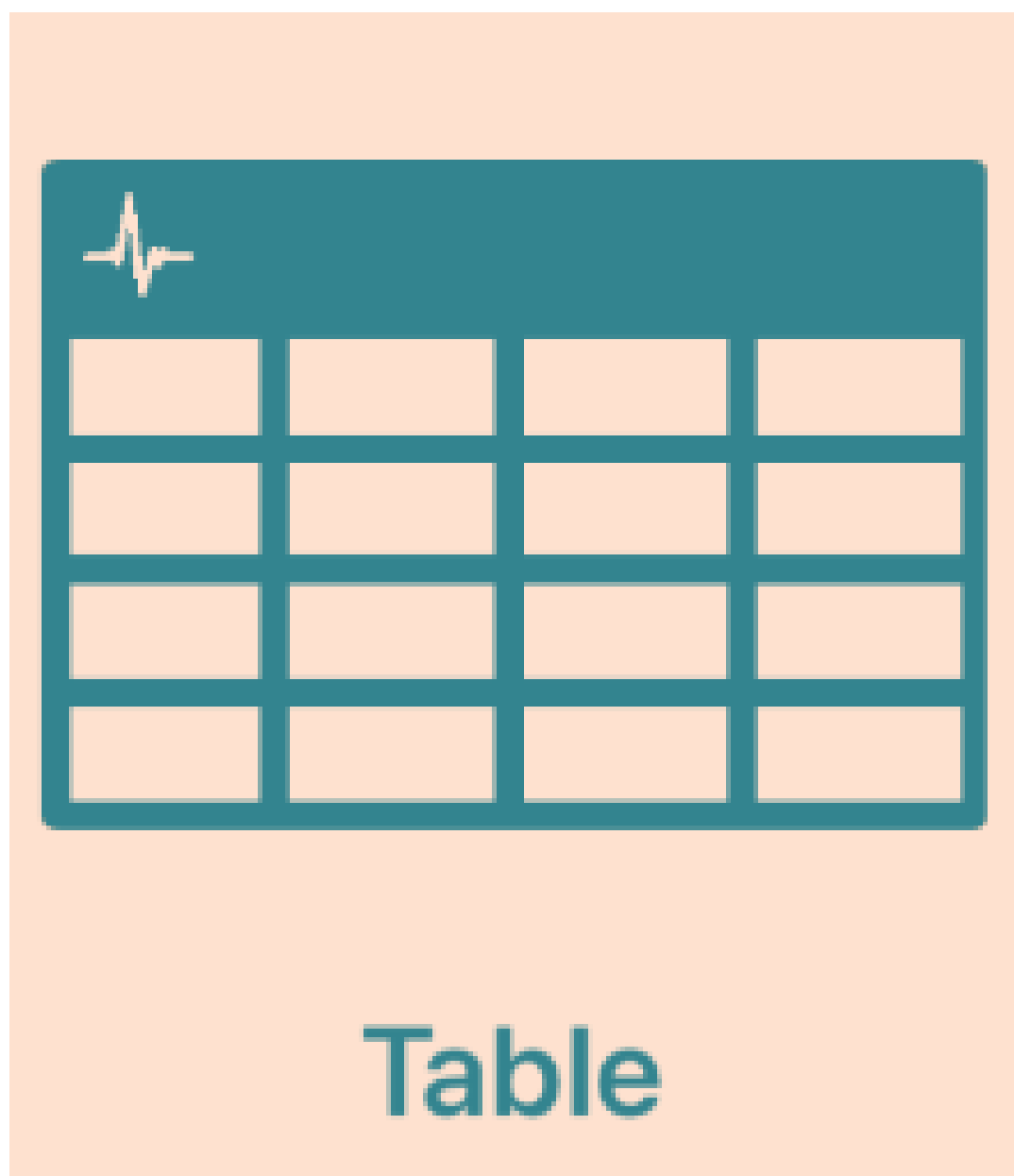You can customise your chart to compare certain observations by selecting and deselecting the buttons at the top.
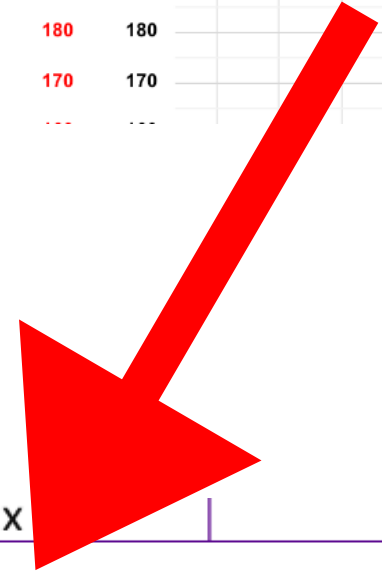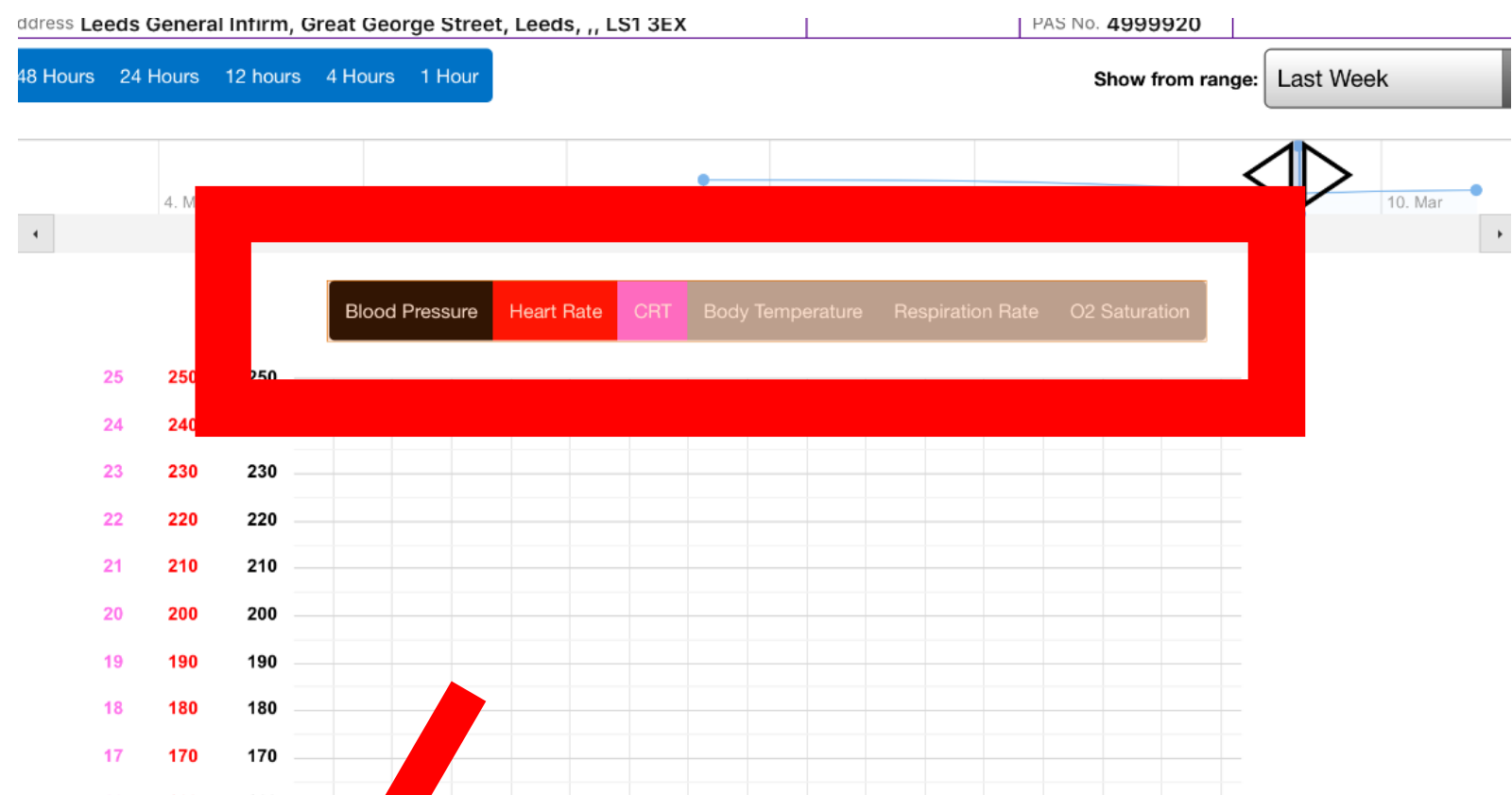
Countersigning, Charts and Tables

If you select one reading, the relevant PAWS colour-coding for that observation appears on the chart.

Countersigning, Charts and Tables

Select table to view the results in an aggregated view.

Select the observation to view options for that entry.

Address Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX	09-Mar-2020 14:23	09-Mar-2020 14:21	09-Mar-2020 14:20	09-Mar-2020 14:13	09-Mar-2020 14:11
Score	6P (PAWS (8+ years))	5 (PAWS (8+ years))	0 (PAWS (8+ years))	20P (PAWS (8+ years))	0P (PAWS
Intervention	Yes				
Partial Indication	Patient Refused			Patient Refused	Further Obs
RR (breaths/min)	25	25	20	8	
O2 Sat (%)		95	95		95
Supp O2					
Blood Pressure		100 / 80	100 / 80		
Standing 1 Minute BP					
Standing 3 Minute BP					
HR (BPM)		101	80		
Temp (°C)	40	39	38		38
Consciousness	Verbal	Alert	Alert	Unresponsive	Alert
CRT (Sec)	3	2	2		2
Pain Score		0 - None	0 - None		1 - Mild Pain
Blood Glucose (mmol/L)					
GCS					
Adult Child Or Child Infant					
Eye Opening					
Verbal Response					

SHOWING (All Admissions) PAS No. **4999920**

Countersigning, Charts and Tables

You can withdraw document, which will then appear with a strikethrough once withdrawn.

Countersigning, Charts and Tables

You can view Document, which takes you back to the results screen for that set of observations.

Countersigning, Charts and Tables

You can view interventions (if applicable) which will take you back to the completed intervention form.

03-Dec-2019 14:21

Withdraw Document

View Document

View Intervention

Withdraw Intervention
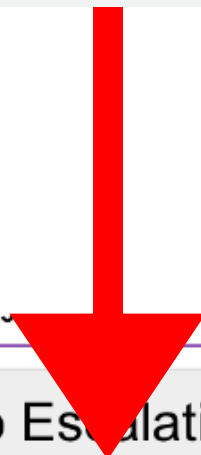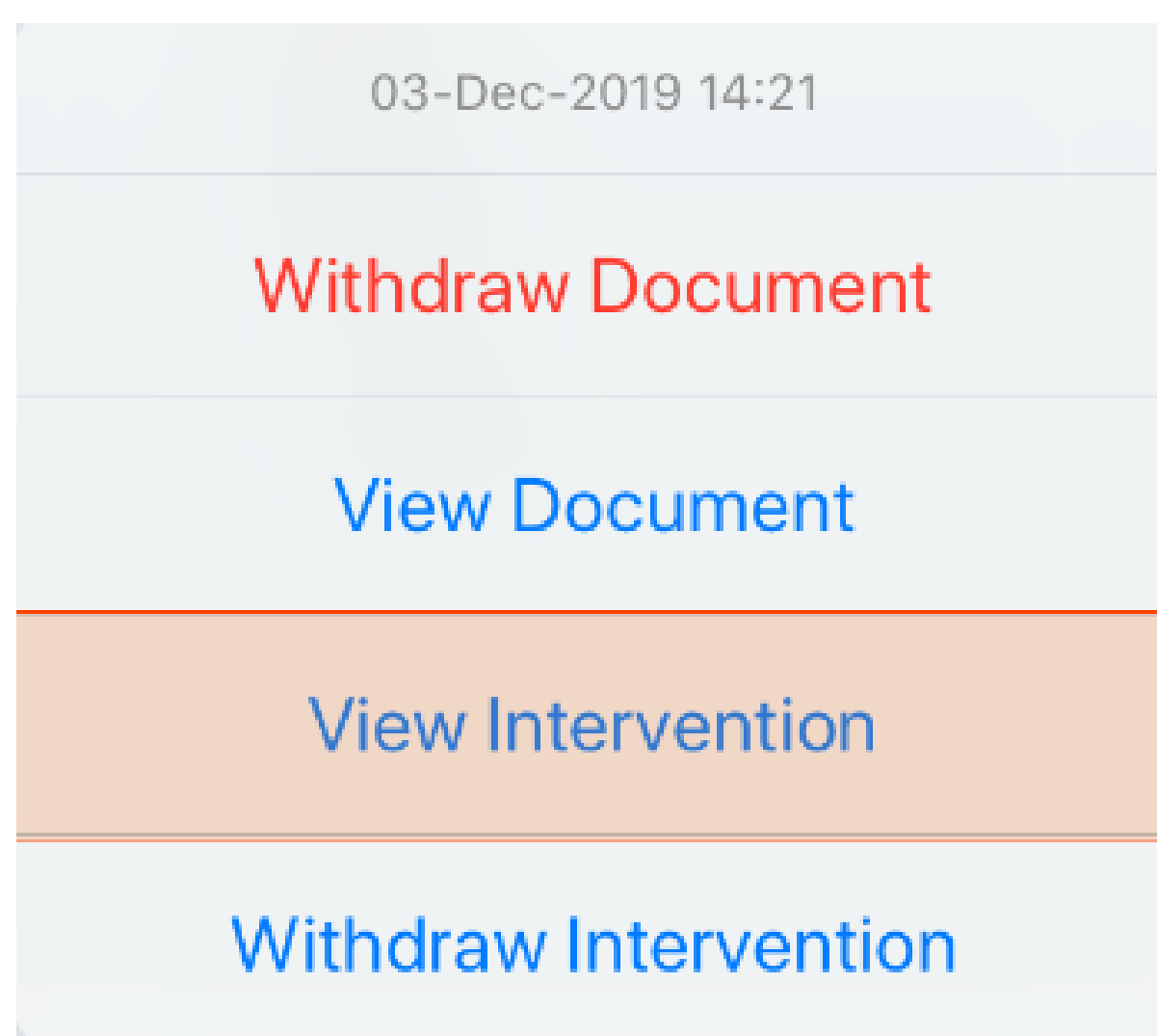
Document Interventions Related To Escalation

Is an intervention required for this set of observations?

- Yes

Possible Interventions

Nurse review completed

Yes

Frequency of observation reviewed

Yes

Blood glucose checked

Yes

Sepsis screen and BUFALO started

Yes

Fluid balance chart commenced

Yes

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Countersigning, Charts and Tables

Withdraw intervention (where applicable). This will remove the intervention for that set of observations.

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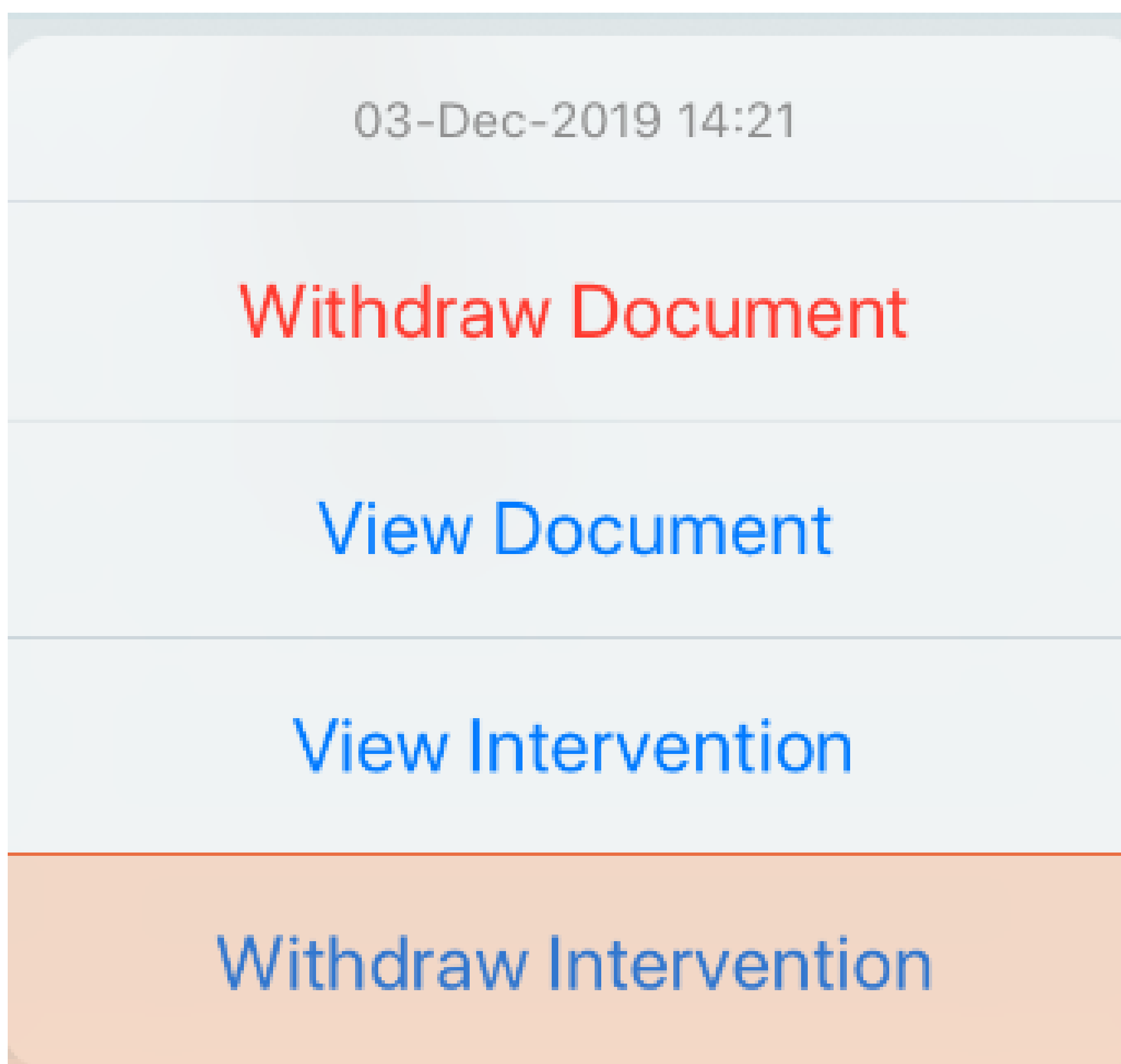
Settings

This Section Is For Qualified Staff Only

Select settings to override the graded strategy and suspend observations.

Select override graded strategy to select an observation frequency.
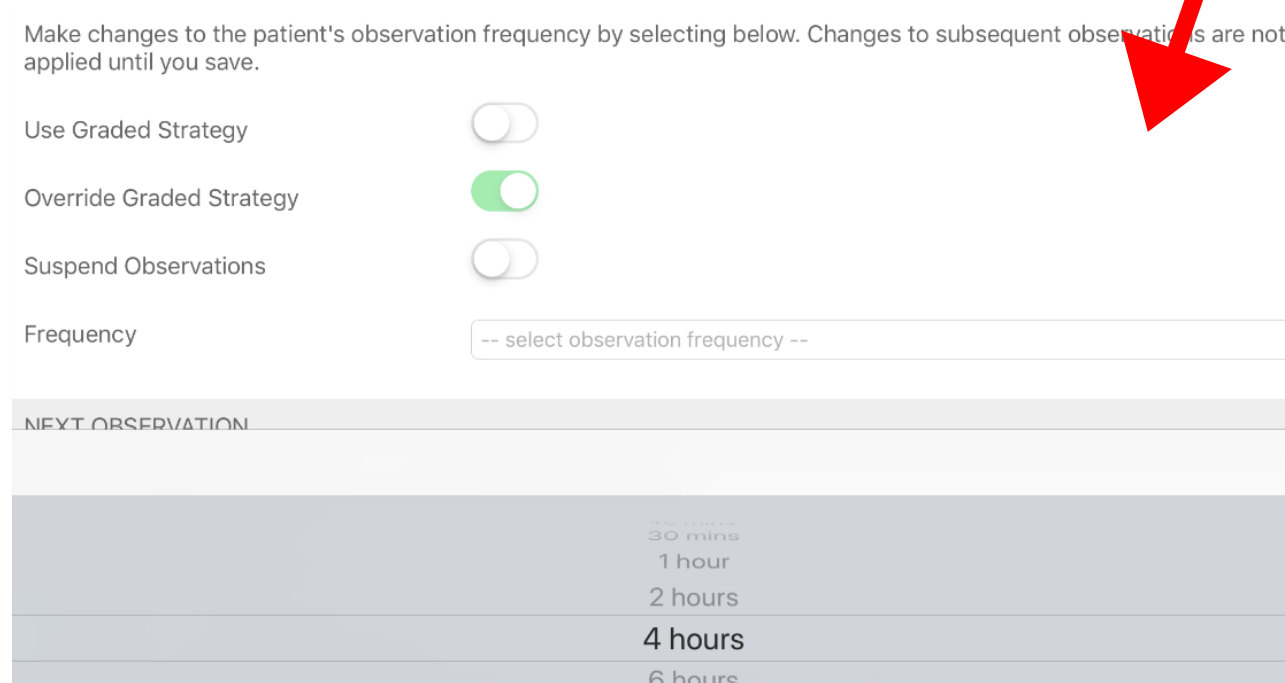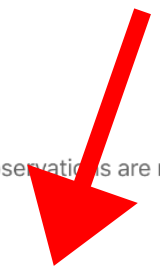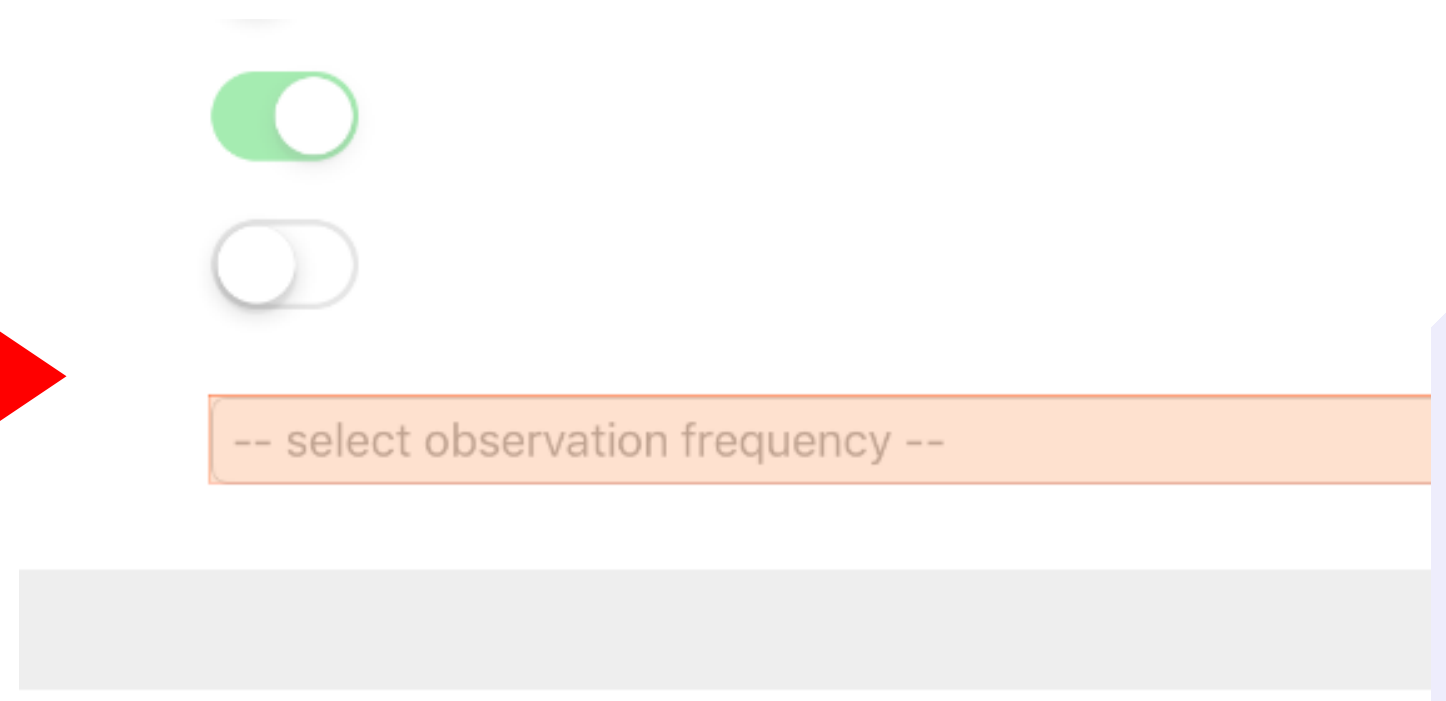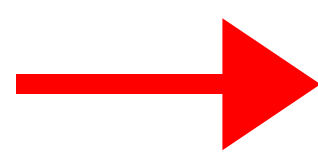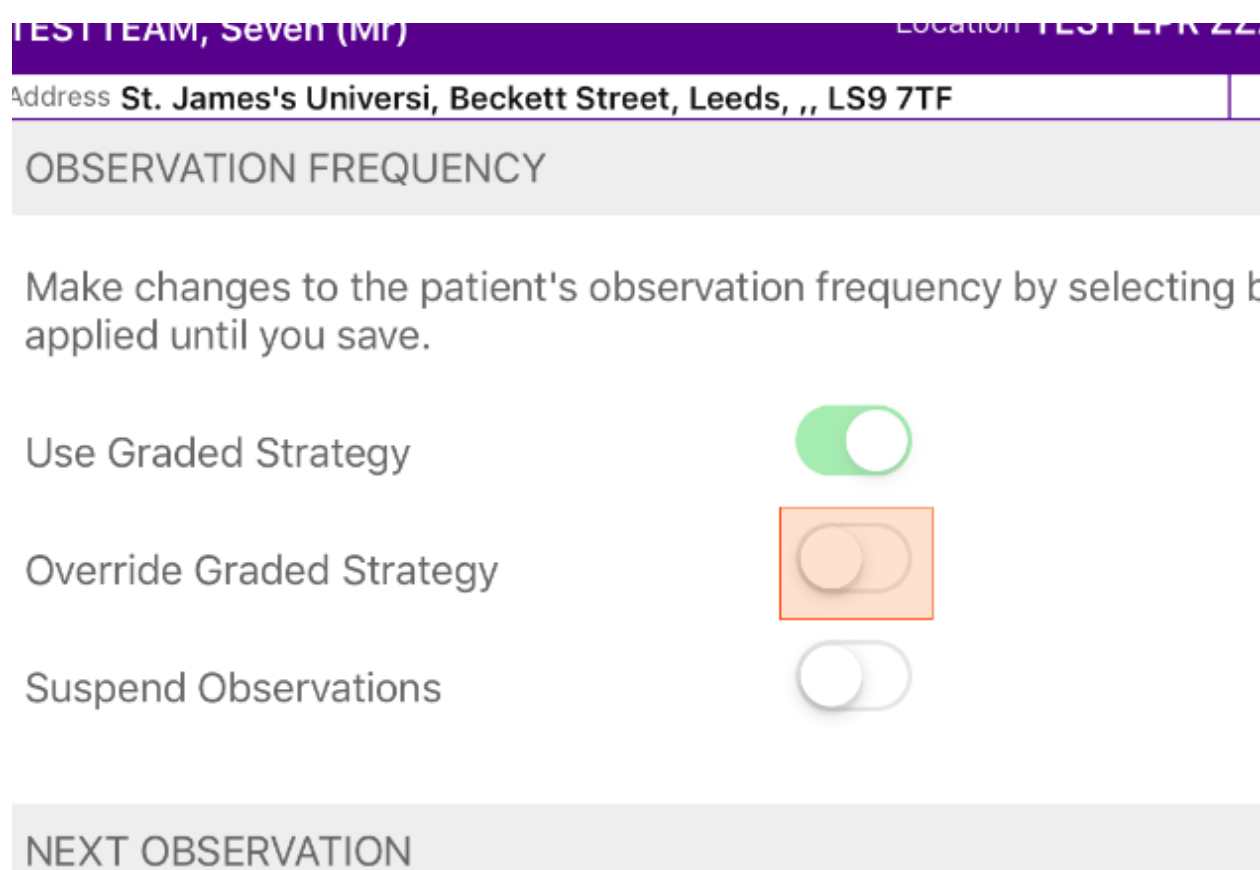
Settings

These two scenarios give examples of when observations are overriden.

Scenario 1

PAWS and Obs frequency is the same or lower

1/ Patient scores PAWS of 2 (4 hourly monitoring)

2/ Obs are overridden to 8 hourly monitoring

3/ Patient scores PAWS of 1

4/ Obs remain overriden to 8 hourly monitoring

Scenario 2

PAWS and/or obs frequency is greater

1/ Patient scores PAWS of 2 (4 hourly monitoring)

2/ Obs are overridden to 8 hourly monitoring

3/ Patient scores PAWS of 5 (1 hourly monitoring)

4/ Obs revert to Graded Strategy (1 hourly)

Settings

You will see an amber exclamation mark on the ewhiteboard for patients where the observation frequency has been overridden.

If you have selected an observation frequency as Never, Select an Override reason.

For further information please contact: leedsth-tr.ImplementationTeam@nhs.net or call 0113 20 (60599)

Settings

If you have overridden to Never, the observation column will be blank on the Ewhiteboard for that patient and there will be an amber exclamation mark in the Observations due column.

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Settings

You can suspend observations by selecting the button and a suspension reason.

Override Graded Strategy

Suspend Observations

Suspension reason   -- select suspension reason --

NEXT OBSERVATION

Next observation: Observations suspended
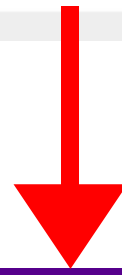
Address **St. James's Universi, Beckett Street, Leeds, ,, LS9 7TF**   PAS No. **4933050**

OBSERVATION FREQUENCY

Make changes to the patient's observation frequency by selecting below. Changes to subsequent observa
applied until you save.

Use Graded Strategy

Override Graded Strategy

Suspend Observations

Suspension reason   -- select suspension reason --

NEXT OBSERVATION

In theatre

Attending investigation

Attending appointment

If you have suspended observations, once you take another reading, the frequency will revert back to the graded strategy. Also, if you suspend observations, the observation and observation due column will appear blank on the eWhiteboard.

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Settings

Remember, to select save in the bottom-right if any changes have been made in the settings.

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Desktop View

You can view observation results and when the observations are next due via the 'Observation' and 'Observation Due' columns in the ward view. These columns will also be displayed on the eWhiteboard

Planning	Observation	Observation Due
On Ward (NFTL)	3 (4P) ⬇	0h 5m (4 hourly)
On Ward (NFTL)	0 (0) ➡	14:25 (4 hourly)
On Ward (NFTL)	0 (0P) ➡	0h 2m (4 hourly)
On Ward (NFTL)	0P (0P) ➡	0h 8m (hourly)

Only observations recorded during the current admission will be available via the ward view.

nt		Observation	
ESTPATIENT Seven	⚠	3 (8) ⬇	
ESTPATIENT Three	⚠	13 (17) ⬇	
TEAM Five-Five	⚠		

Via the Desktop, you can take an observation, amend the settings and view the Table, Chart and Audit. Select the cell of the patient you would like to view.

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Desktop View

The first tab 'Observations' will let you know the patient's current and previous PAWS and their pain score. You are also able to take observations.

All observations should be recorded via the PPM+ Mobile app unless an iPad is unavailable.

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Desktop View

The 'Table' tab will display all observations in a table view. You can expand or minimise the observations by selecting them on the left.

	25-Oct-2019	
Page 1 of 7 ◄	10:19	10:18
	▼	▼
Score	29P PAWS (8+ years)	4P PAWS (8+ years)
Intervention	❶	
Partial Indication	Patient Refused	Patient Not In Bed
Standard Observations ⌃	☑	☑
RR (breaths/min)	30	20
O2 Sat (%)	50	
Supp O2		
Blood Pressure	140 / 11	140 / 10
HR (BPM)	90	60
Temp (°C)	40	
Consciousness	Unresponsive	
CRT (Sec)	5	5
Pain Score	2 - Moderate Pain	
Blood Glucose (mmol/L)		

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Desktop View

You also have the same options as the PPM+ mobile app to withdraw document, View results and view and withdraw interventions (where applicable) by selecting the blue arrow.

The 'Chart' tab will display the observations in a chart format with relevant colouring. You will also have the same customisation options as the PPM+ mobile app.
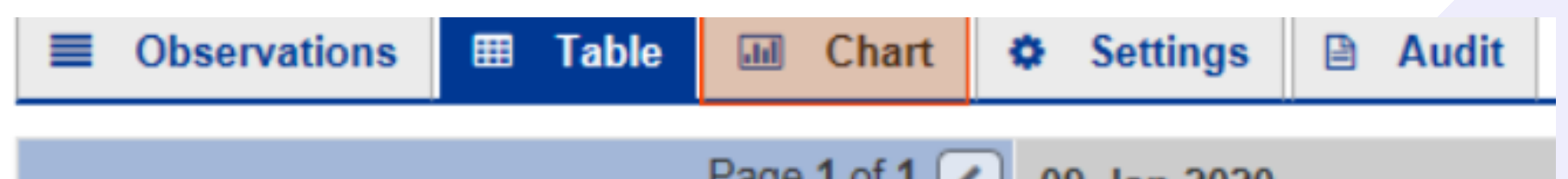
Desktop View

The Next 3 Pages Are For Qualified Staff Only

Also via the desktop view, you can change the scoring strategy and set exceptions in the 'Settings' tab.

Select Yes, if you would like to change the PAWS scoring strategy.

Select the strategy you would like to change it to and select save.

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Desktop View
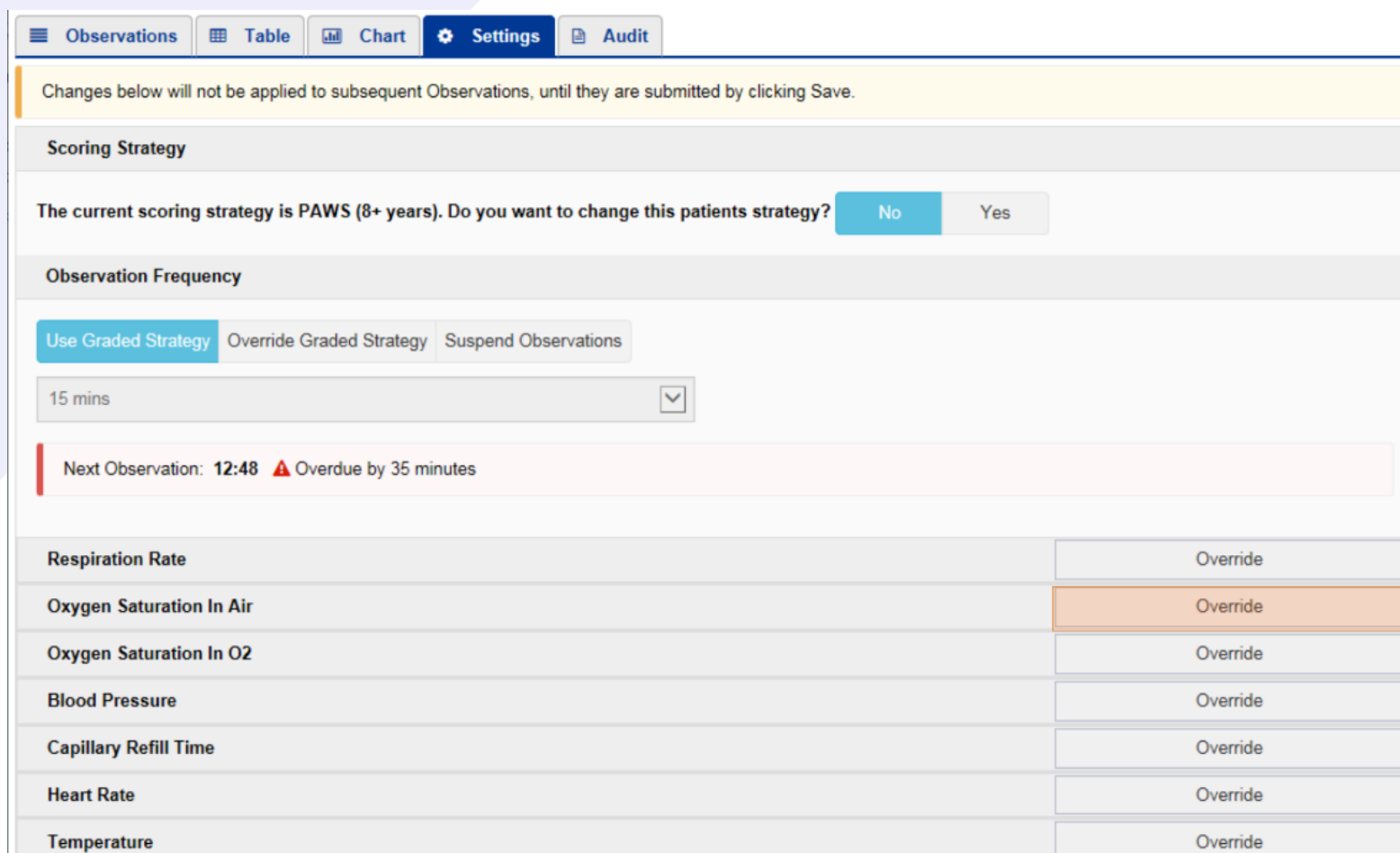
Observation Exceptions can be selected by clicking 'Override' next to the required observation e.g. Oxygen Saturation in Air.

Use the sliders to set the required ranges for the parameter you want to override.
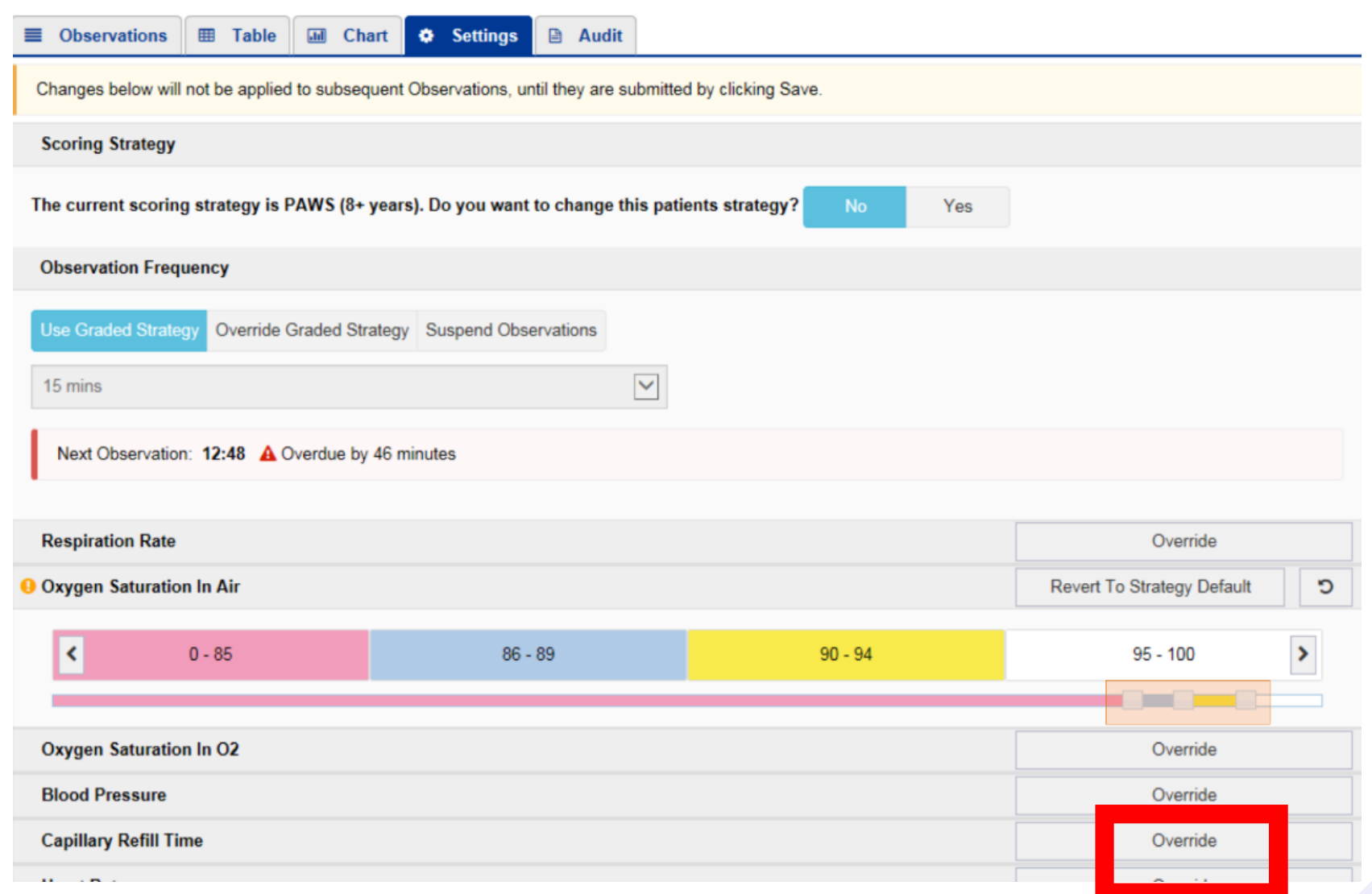
Alternatively, you can use the arrows to move all the ranges to the left or right.

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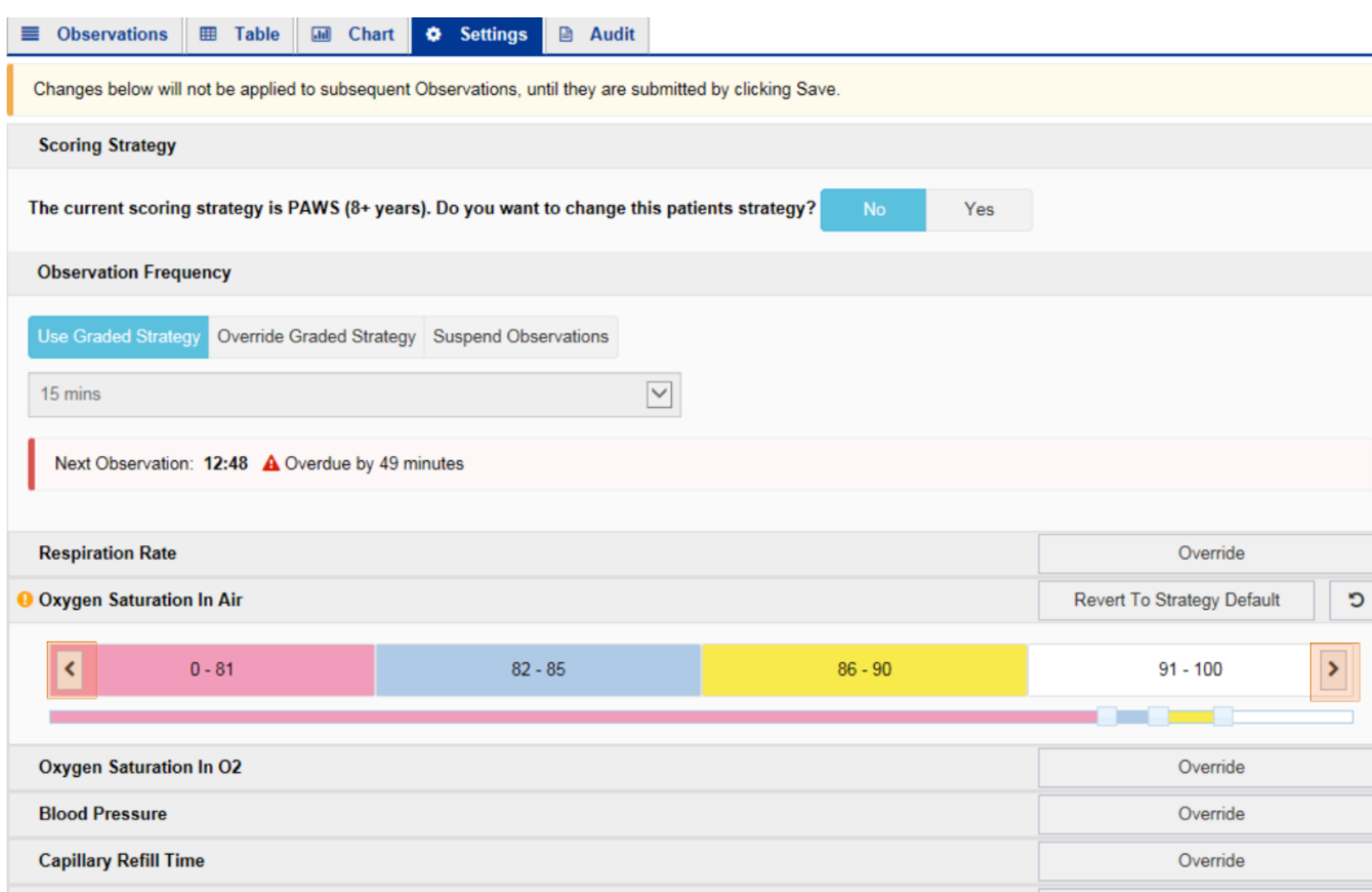
Desktop View
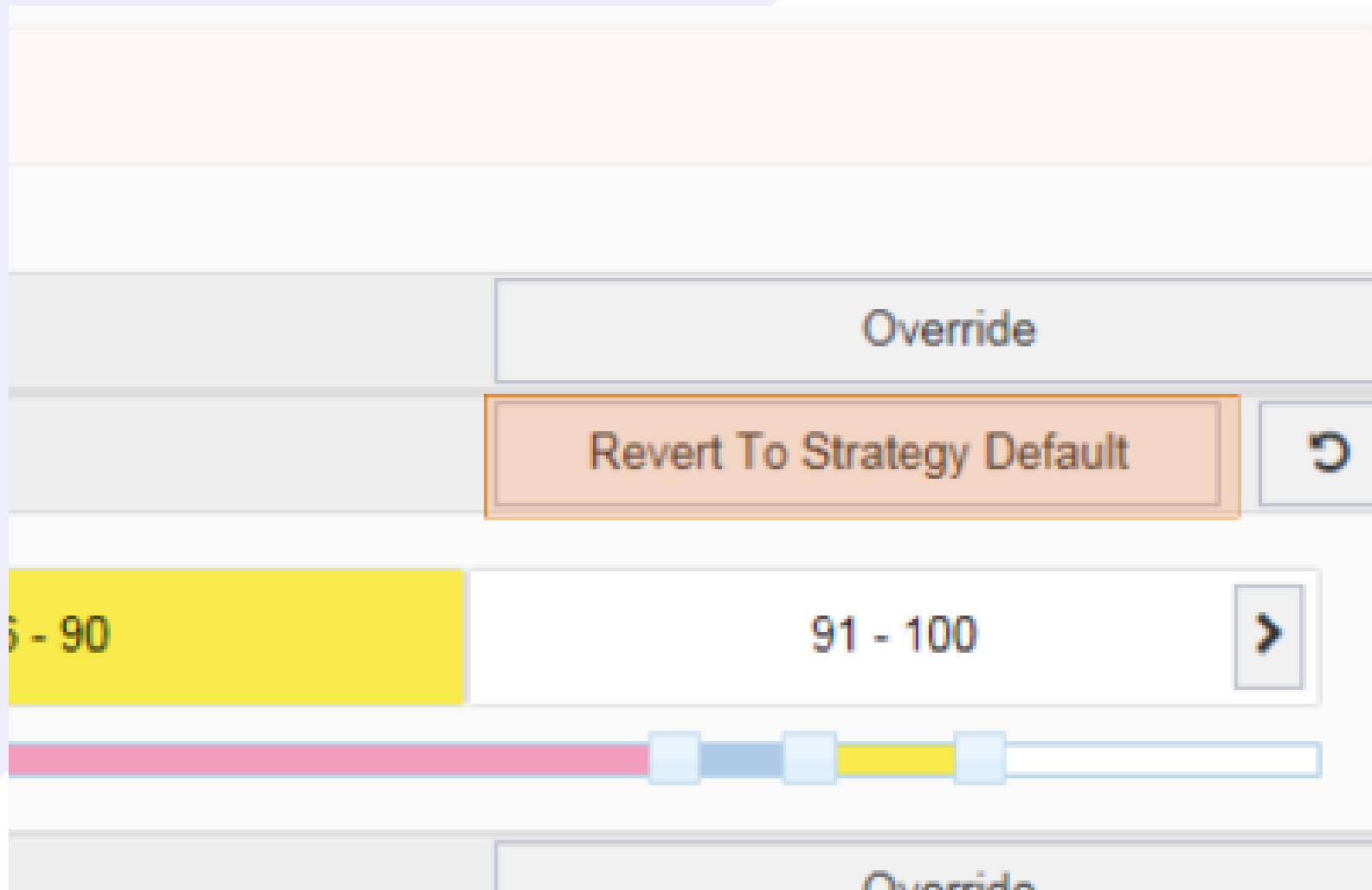
To revert to strategy default, select the button above the parameter slider.

Make sure to select save to remember all of your changes.
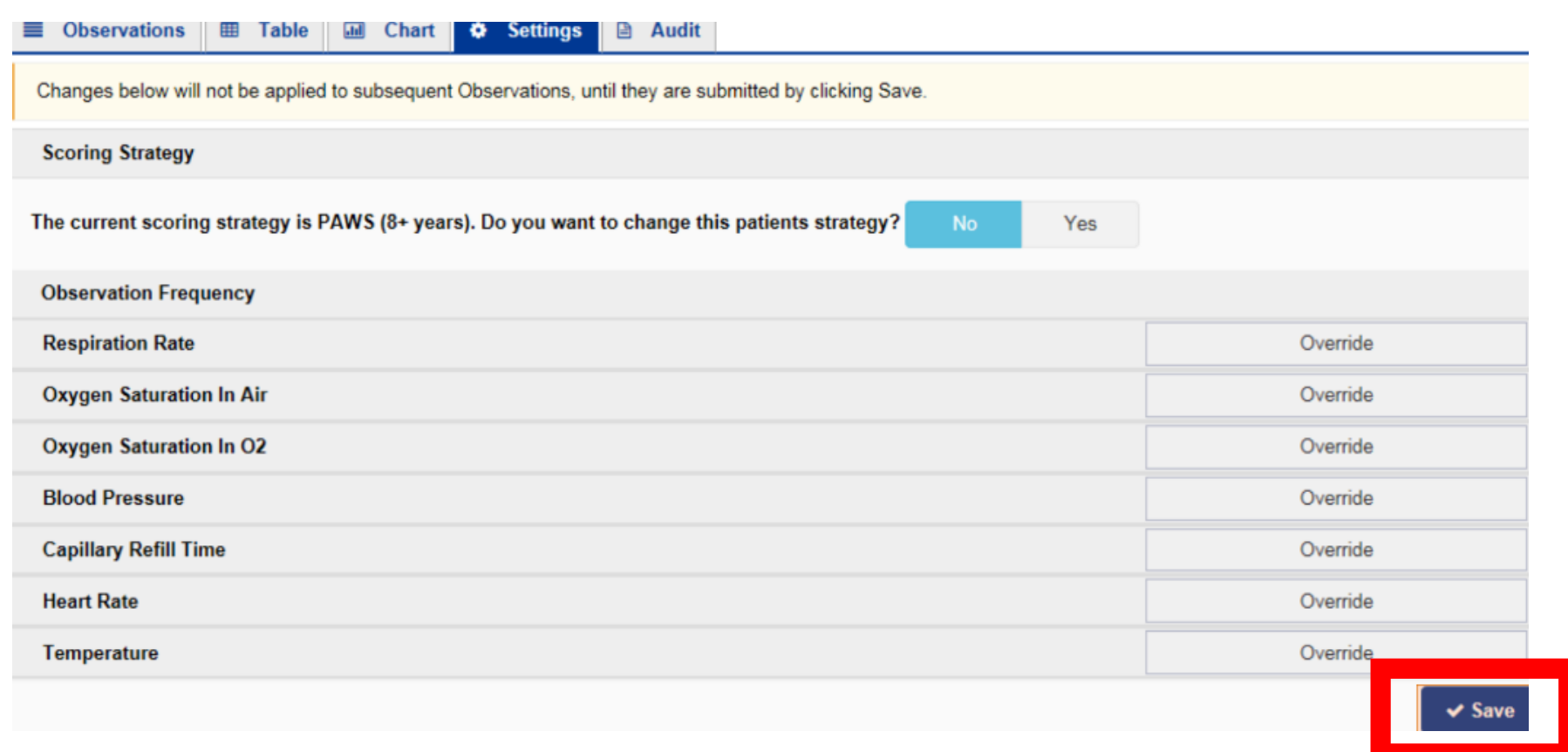
An observation with exceptions activated, will appear with an asterisk* next to it on the ward view.

You can also override the graded strategy and suspend observations using the same customisation options as in the PPM+ mobile app.

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For further information please contact: leedsth-tr.ImplementationTeam@nhs.net or call 0113 20 (60599)
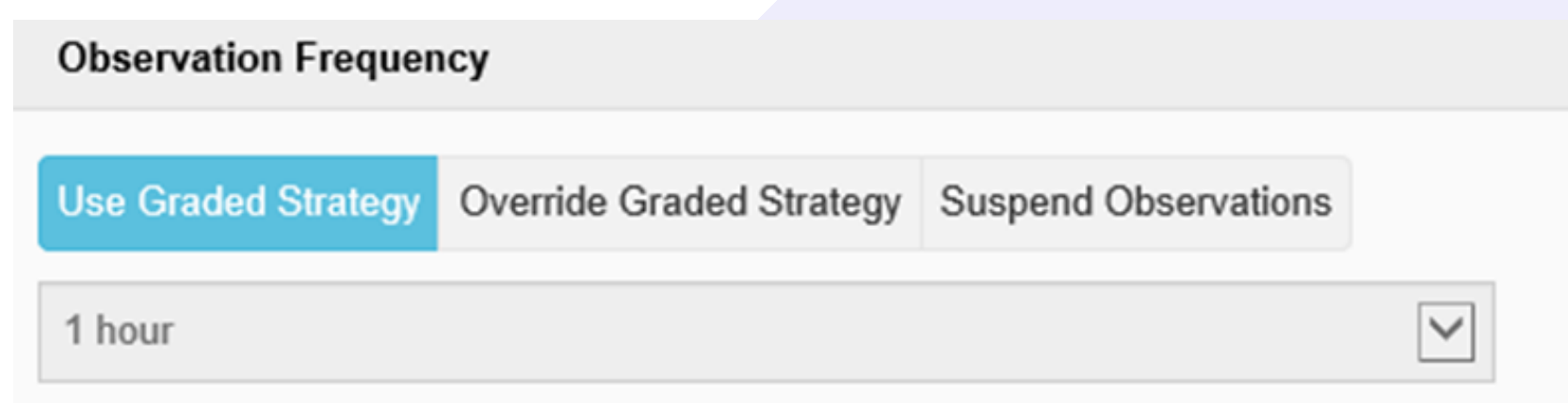
Desktop View

The final tab is an audit list for observations.
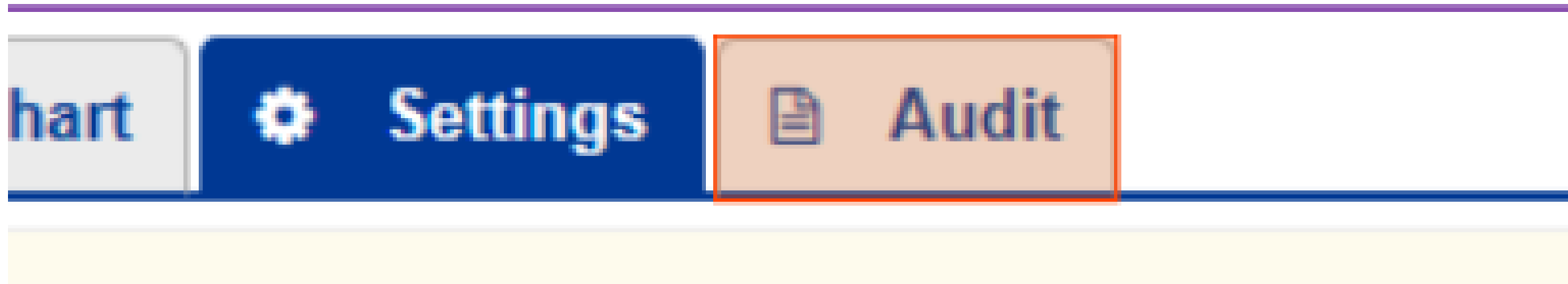
This will show changes such as, who has taken an observation, overridden a frequency, completed an intervention.

	User	Description
3:52	Stuart Robinson	Observation Frequency changed to: Never
3:52	Stuart Robinson	Observation Frequency overrides enabled
3:52	Stuart Robinson	Settings Exceptions Override Changed
3:22	Stuart Robinson	Observation taken
4:49	Fatima Raja	Observation taken

Desktop View

In the Single Patient View, you can view the observations in an aggregated table view by selecting 'observations' in the event list or searching Observations in the filter field.

Also, if you click on 'Show All', you can filter the observations by date range.

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Desktop View

Observations: Table

Expand **Print**

Show All

Page 1 of 4

09-Fe

11:13
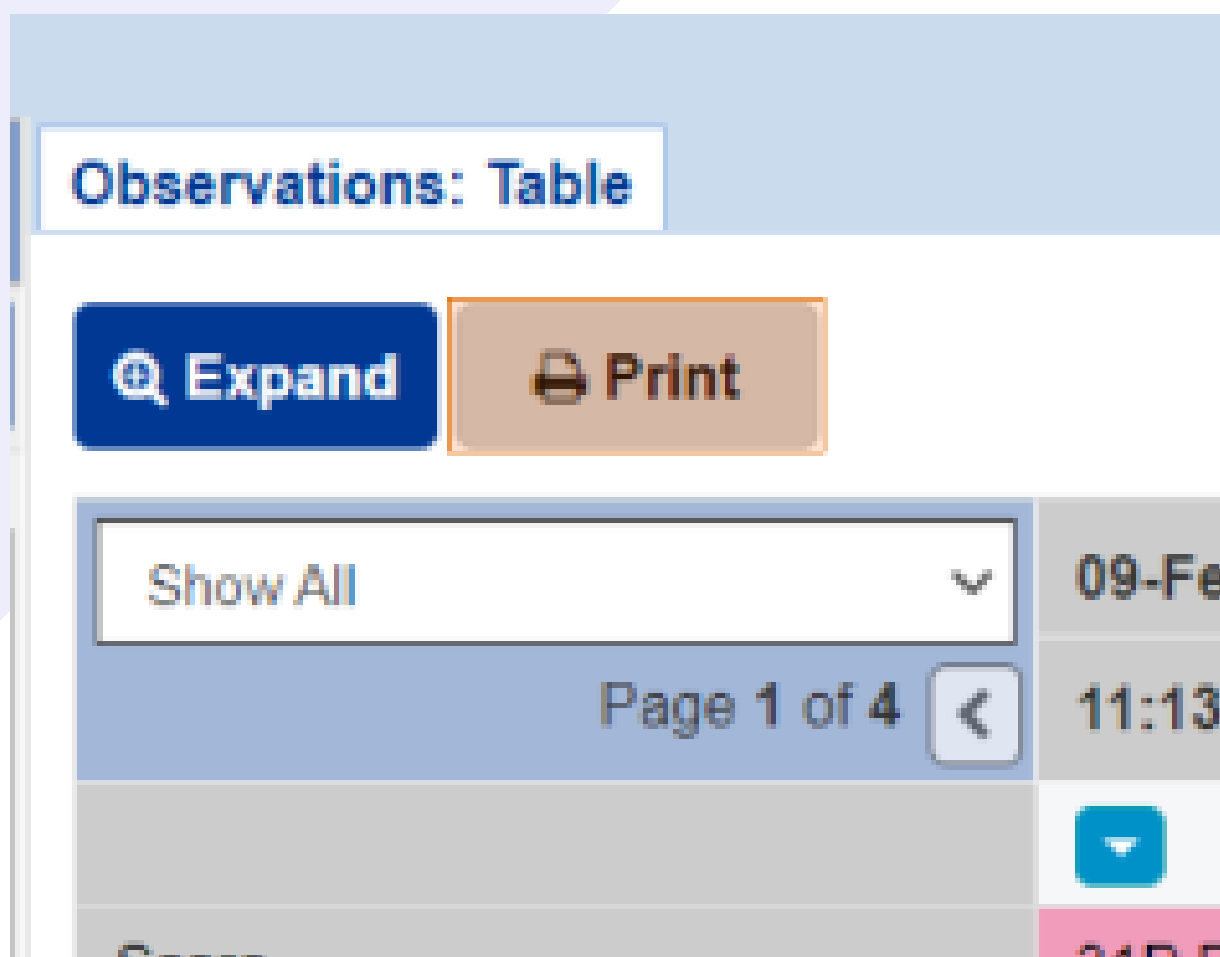
If a patient is being transferred to a non-LTHT hospital, you can print the last 20 sets of observations by selecting the print button.

You can also display the observations in a chart view via the 'Observations' button in the top-right of the single patient view.

⚠ Allergies: see GP tab or eMeds

Observations   **Results**

🔄 Refresh View
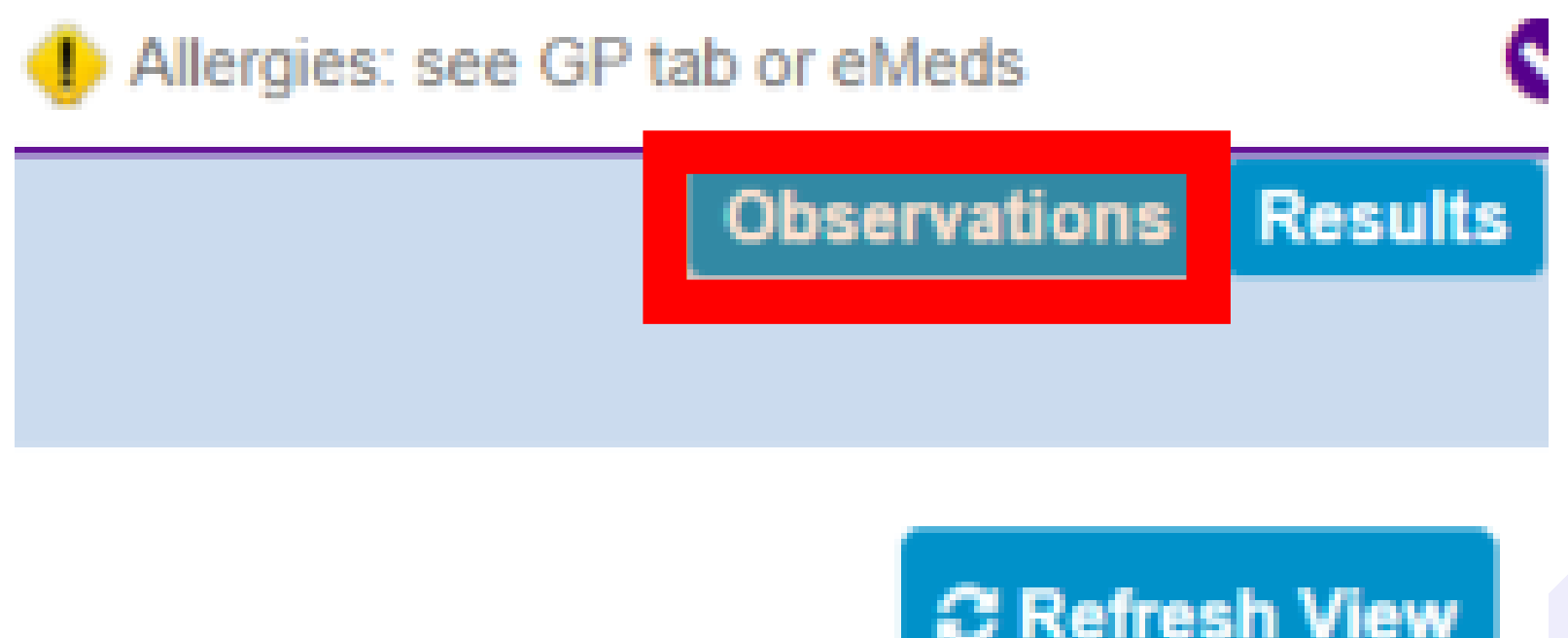
The Charts will be the same format as previously shown in the User Guide via the PPM+ mobile app.

Desktop View

You can view and complete all the tasks for a patient by selecting the box in their tasks column on the ward view on the desktop view. You can complete tasks including observations, interventions (if required) and countersignature (if required).

Tasks	
7 (7 overdue)	❓
7 (7 overdue)	❓
5 (5 overdue)	❓
5 (4 overdue)	❓
4 (3	❓

Born   Gender **Female**   NHS No.

| **To Do** 4 | Overdue 4 | Due 0 | All 5 |

26 Days Ago	**Height and Weight (Adult)**
18 Days Ago	**Nursing Specialist Assessment (NSA)**
16 Mins Ago	**Observations Intervention Required**
16 Mins Ago	**Countersign**

Remember, a countersignature prompt will only be automatically generated when the observations are being recored on an Ipad.

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Desktop View

If you have completed an observation via a desktop (only if an Ipad is unavailable), you can complete an intervention (if applicable) by selecting the task underneath the results.

If a non-registered member of staff has taken a set of observations via a Desktop and the countersignature is required a task will be shown underneath the results.

A registered member of staff can then countersign by signing into PPM+ either via a desktop or iPad and completing the Countersign Task. Remember, a countersignature prompt will only be displayed automatically when observation are recorded via an iPad.

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Exceptions and scoring strategy with patients receiving O_2 therapy

Oxygen is a medicine and must be prescribed when administered to patients.

1. Oxygen is a life saving drug for patients with low levels of oxygen (hypoxia).
2. Some patients may be harmed by too much oxygen, as this can cause an increase in carbon dioxide levels.

Paediatric Advanced Warning Scores (PAWS) gives scores for SpO_2 in air and on O_2. Exceptions to these scores can be set, if deemed clinically appropriate, so that children with abnormal baseline values can still trigger alerts, if their condition changes.

Oxygen Saturation Score		
Score	SpO$_2$ in air	SpO$_2$ in O$_2$
0	95 - 100%	
1	90 - 94%	95 - 100%
3	86 -89%	90 - 94%
10	<85%	< 90%
Saturation Exceptions		
	SpO$_2$ in air	SpO$_2$ in O$_2$
1		
3		
10		

Observation

EDITESTPATIENT, Twentyone
Born 01-Jan-2011   Gender **Male**

☰ Observations   ▦ Table   📊 Chart   ⚙ Settings   📄 Audit

Respiration Rate   Override
⚠ Oxygen Saturation In Air   Revert To Strategy Default ↻

| 0 - 64 | 65 - 71 | 72 - 82 | 83 - 100 |

Oxygen Saturation In O2   Override
Blood Pressure   Override
Capillary Refill Time   Override
Heart Rate   Override
Temperature   Override
                                                    ✔ Save

On a paper PAWS chart the exceptions are documented in this section.

Within PPM+ exceptions are recorded here. (By clicking settings in the observations).

Please note: When setting an exception to SpO_2 on PPM+, it is not possible to a generate PAWS score >1 when SpO_2 is above the target value. This might result in a lower than anticipated PAWS score in certain circumstances.

For example, if the patient has target SpO_2 of 80%-85% but their actual SpO_2 was 95%, this might be harmful and warrant an elevated PAWS score, but the system would record a maximum score of 1 for this SpO_2 value.

Users should be aware of this anomaly with the PPM+ functionality and remember that any PAWS score does not replace clinical judgement in the clinical assessment of the deteriorating child.

For further information please contact: leedsth-tr.ImplementationTeam@nhs.net or call 0113 20 (60599)

Useful Contacts

Please contact the Implementation Team for Digital support & Training: Handover, Specialist Referrals, PPM+ Mobile, e-Obs, PAWS…

Ext: 60599
leedsth-tr.ImplementationTeam@nhs.net

Please contact the Informatics Service Desk at x26655 or visit the portal at https://lth-dwp.onbmc.com, to:

- Reset your password.
- Report a problem you are having within PPM+ functionality.
- Report a data quality problem within PPM+.
- Request new user accounts for PPM+.
- Disable PPM+ accounts for any leavers from your department.

Please contact the PPM+ EHR team at leedsth-tr.EPR@nhs.net if you have any development ideas or comments on your experience of using the EHR.

If you would like to make a request for change to PPM+, please contact us at: leedsth-tr.EPR@nhs.net with a completed Request For Change (RFC) form available here.

Please contact the IT Training Department at ITTraining.LTHT@nhs.net if you require further training on PPM+ or any other Clinical System.

PPM+ Help Site: https://www.ppmsupport.leedsth.nhs.uk/

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