



The Leeds
Teaching Hospitals
NHS Trust

ppm+

PAWS

USER GUIDE



#LeedsDigitalWay

CONNECTS • TRANSFORMS • IMPROVES



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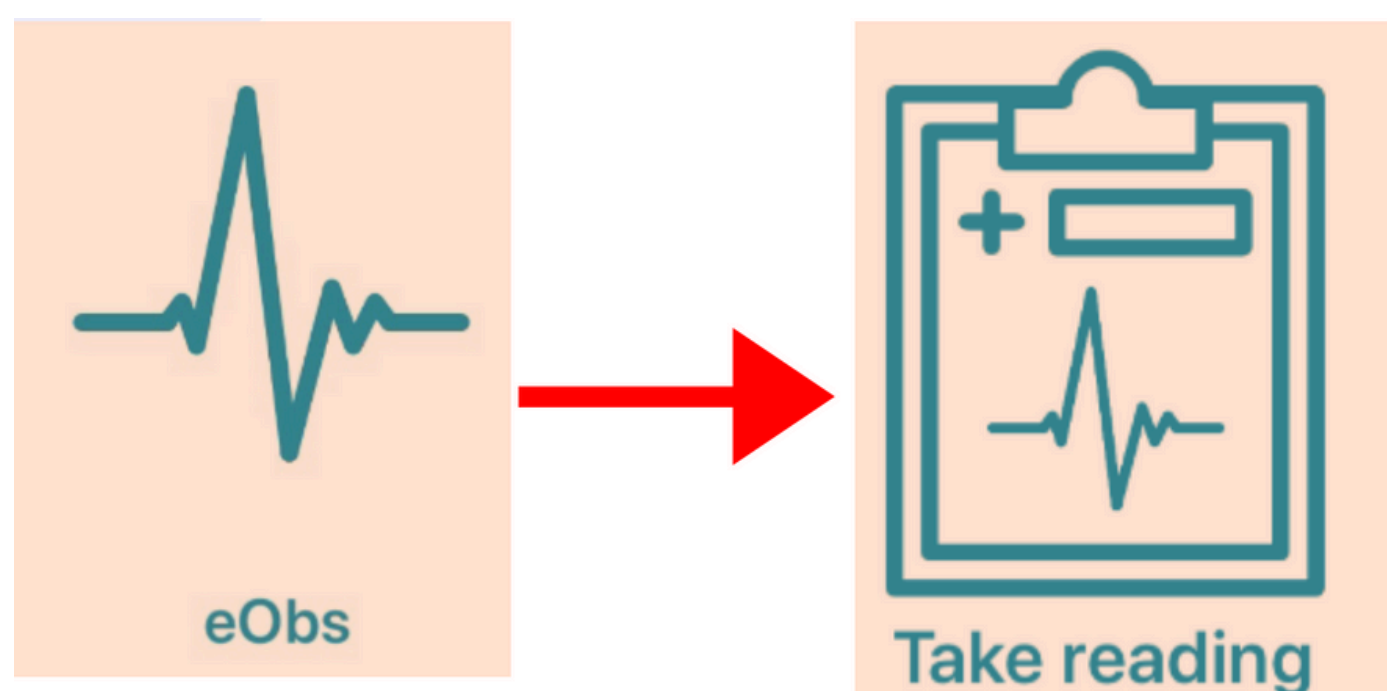
For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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.

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



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

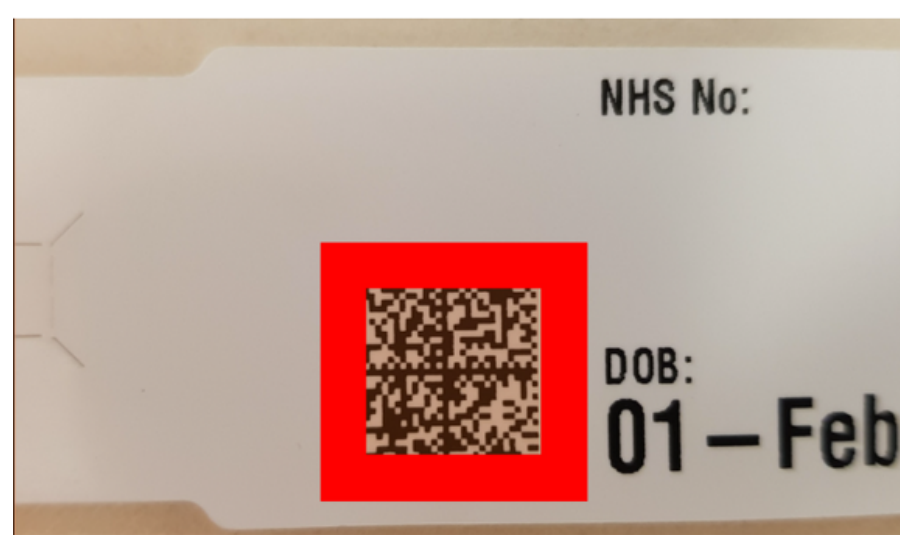
Scan wristband

ALTERNATIVE VERIFICATION

For further information please contact:

✉ leedsth-tr.ImplementationTeam@nhs.net

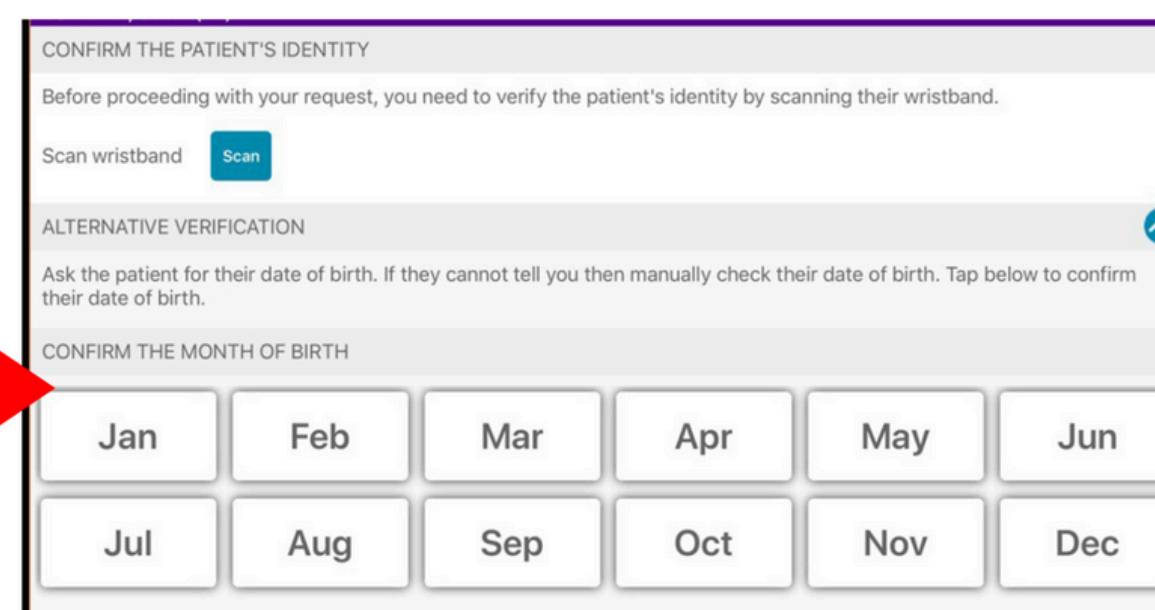
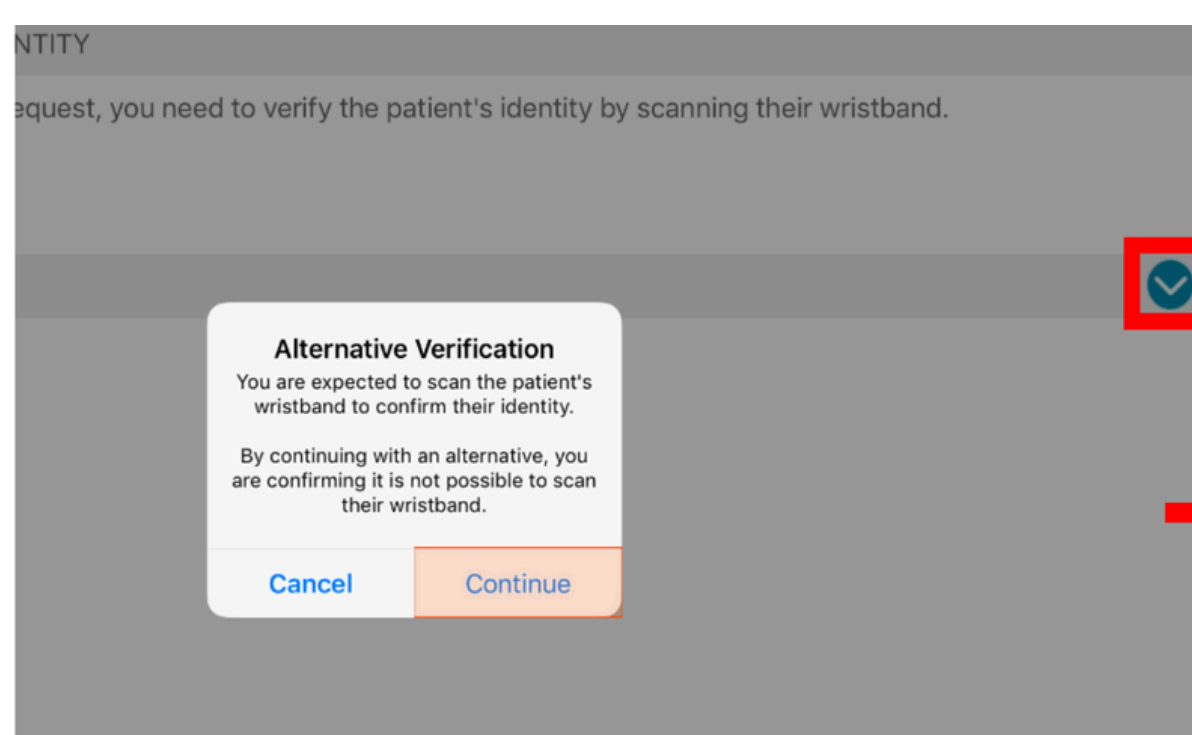
Remember, to scan the patient's square "QR" barcode on their wristband.



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

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.



Standard Observations

| | |
|--|--|
| Respiration Rate (breaths/min) | Respiration Support |
| <input type="text"/> | <input type="button" value="No"/> <input type="button" value="Yes"/> |
| Oxygen Saturation (%) | Temperature (°C) |
| <input type="text"/> | <input type="text"/> |
| Doppler Blood Pressure? | |
| <input checked="" type="button" value="No"/> <input type="button" value="Yes"/> | |
| Blood Pressure Systolic (mm/Hg) | Blood Pressure Diastolic (mm/Hg) |
| <input type="text"/> | <input type="text"/> |
| Heart Rate (BPM) | CRT (sec) |
| <input type="text"/> | <input type="text"/> |
| Consciousness | |
| <input type="button" value="Alert"/> <input type="button" value="Verbal"/> <input type="button" value="Pain"/> <input type="button" value="Unresponsive"/> | |

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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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

Please note: Pain score is NOT incorporated in the Score

Additional Observations

Blood Glucose

Neurological

Spinal

Tracheostomy

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.

Address Leeds General Infirmary, Great George Street, Leeds, LS1 3EXPAS number 4999920

Blood Glucose

Neurological

Spinal

Tracheostomy

Neurological Observations

Eye Opening *

E3 - To verbal stimuli

Adult / Child / Infant (According to Usual Ability) *

Adult / Child

Child / Infant

Verbal Response - Child / Infant *

V1 - None

Verbal Response - Grimace *

G2 - Mild grimace to pain

Pupil Size - Left

Select...

Motor - Child / Infant (Best Limb) *

M6 - Normal spontaneous movement

Pupil Size - Right

Select...


iscard

Submit

Submit

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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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

Leeds General Hospital, Great George Street, Leeds, LS1 3EA

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 | |

| | |
|--------|------------------------------------|
| 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.

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

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

Patient Not In Bed

Patient Asleep

Patient Refused

Other

Submit

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.

Address Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX

PAS No. 4999

RESULTS PAWS (Age 8 to 16 Years)

6

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

TASKS

59m

Observations Due

0m ago

Observations Intervention Required

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.

Address Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX

Document Interventions Related To Escalation

Is an intervention required for this set of observations? *

No

Yes

Possible Interventions

Nurse review completed

No

Yes

Frequency of observation reviewed

No

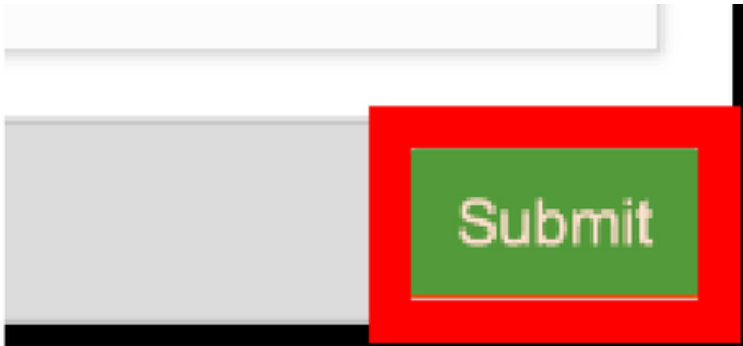
Yes

Blood glucose checked

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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



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



Only the most recent intervention will be available to complete



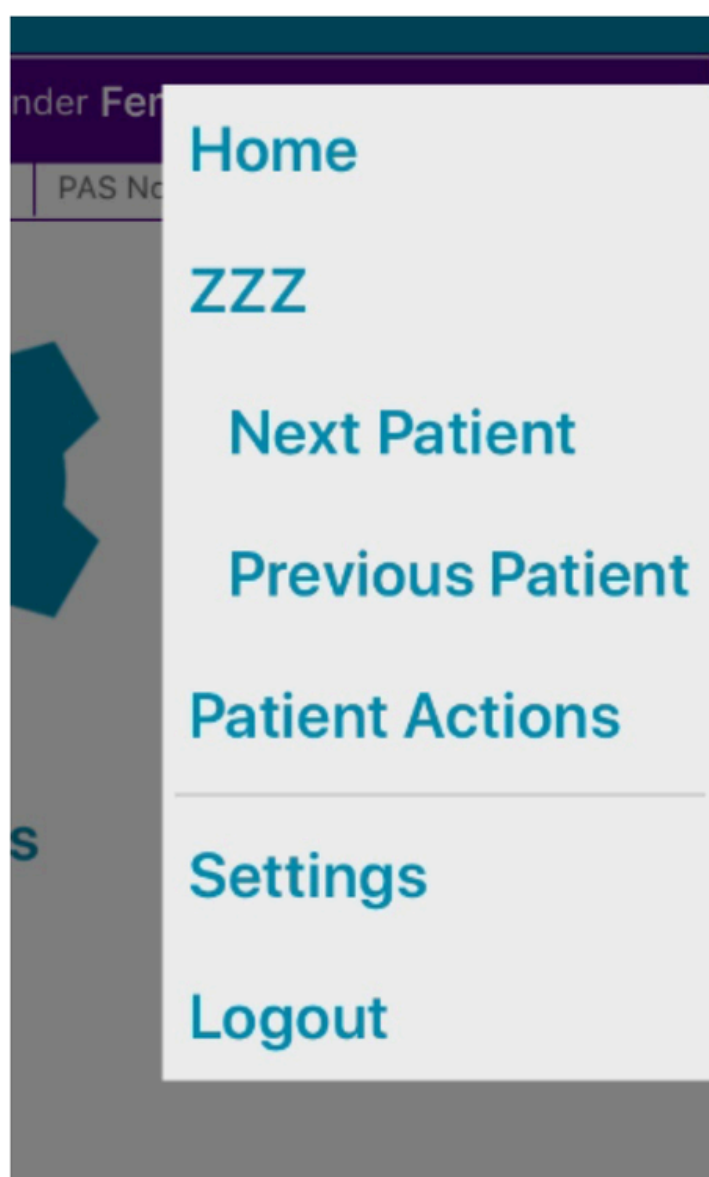
| | | | |
|--|------------------------------------|-------------|---------|
| Address Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX | | PAS No | |
| To Do (3) | | Overdue (3) | Due (0) |
| All (3) | | | |
| 15d ago | Falls Daily Care Plan | | |
| 45m ago | Observations Intervention Required | | |
| 45m ago | Observations Due | | |

| | | | |
|--|----------------------|-----------------------|---------------------|
| Address Leeds General Infirm, Great George Street, Leeds, ,, LS1 3EX | | PAS No: 423 | |
| SHOWING (All Admissions) | | | |
| | 09-Mar-2020 14:23 | 09-Mar-2020 14:21 | 09-Mar-2020 14:20 |
| Score | 6P (PAWS (8+ years)) | 5 (PAWS (8+ years)) | 0 (PAWS (8+ years)) |
| Intervention | Yes | 09-Mar-2020 14:23 | |
| Partial Indication | Patient Refused | Pat | |
| RR (breaths/min) | 25 | 8 | |
| O2 Sat (%) | | Withdraw Document | |
| Supp O2 | | View Document | |
| Blood Pressure | | View Intervention | |
| Standing 1 Minute BP | | Withdraw Intervention | |
| Standing 3 Minute BP | | | |
| HR (BPM) | | | |
| Temp (°C) | 40 | | |
| Consciousness | Verbal | | |
| CRT (Sec) | 3 | 2 | 2 |
| Pain Score | | 0 - None | 0 - None |
| Blood Glucose (mmol/L) | | | |
| GCS | | | |

You can withdraw document, view document, view intervention (if an intervention has been completed for that particular set of observations - this is known if there is a Yes in the row for intervention) and withdraw intervention (if applicable) from the table view for a completed set of observations by clicking on the observation you wish to interact with. More on the Table tab later in this guide.

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net



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.

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.

Signature to signal your approval.

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

Countersign

Login Options

HOW YOU LOGIN

Username

☒

Scan Badge

☐

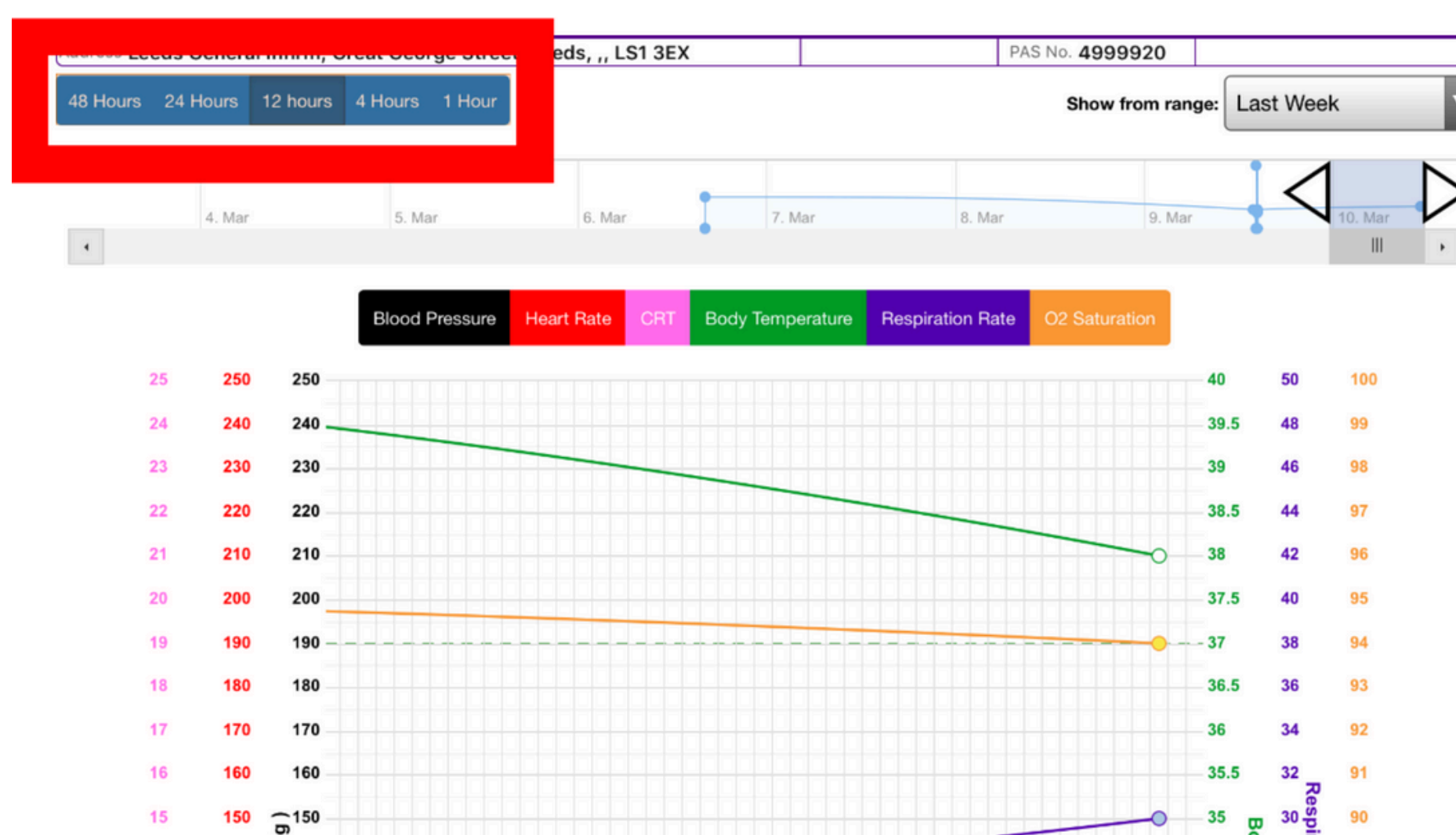
If you need to enrol your badge you can set this up by selecting Login Options from the Login screen.

Qualified Staff Only

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

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.

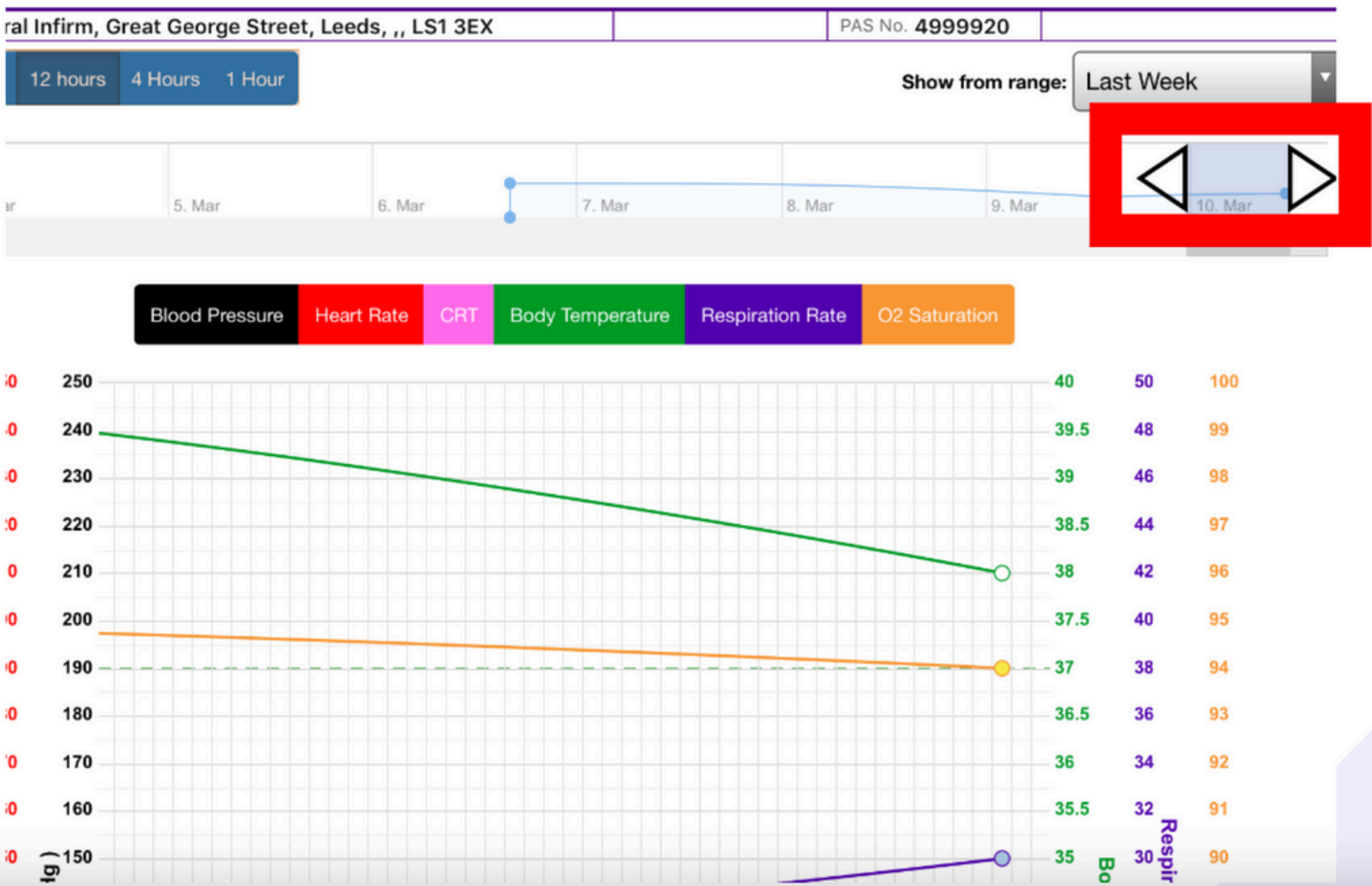


The chart view will default to the last 12 hours but you can change the time period displayed with the buttons in the top-left.

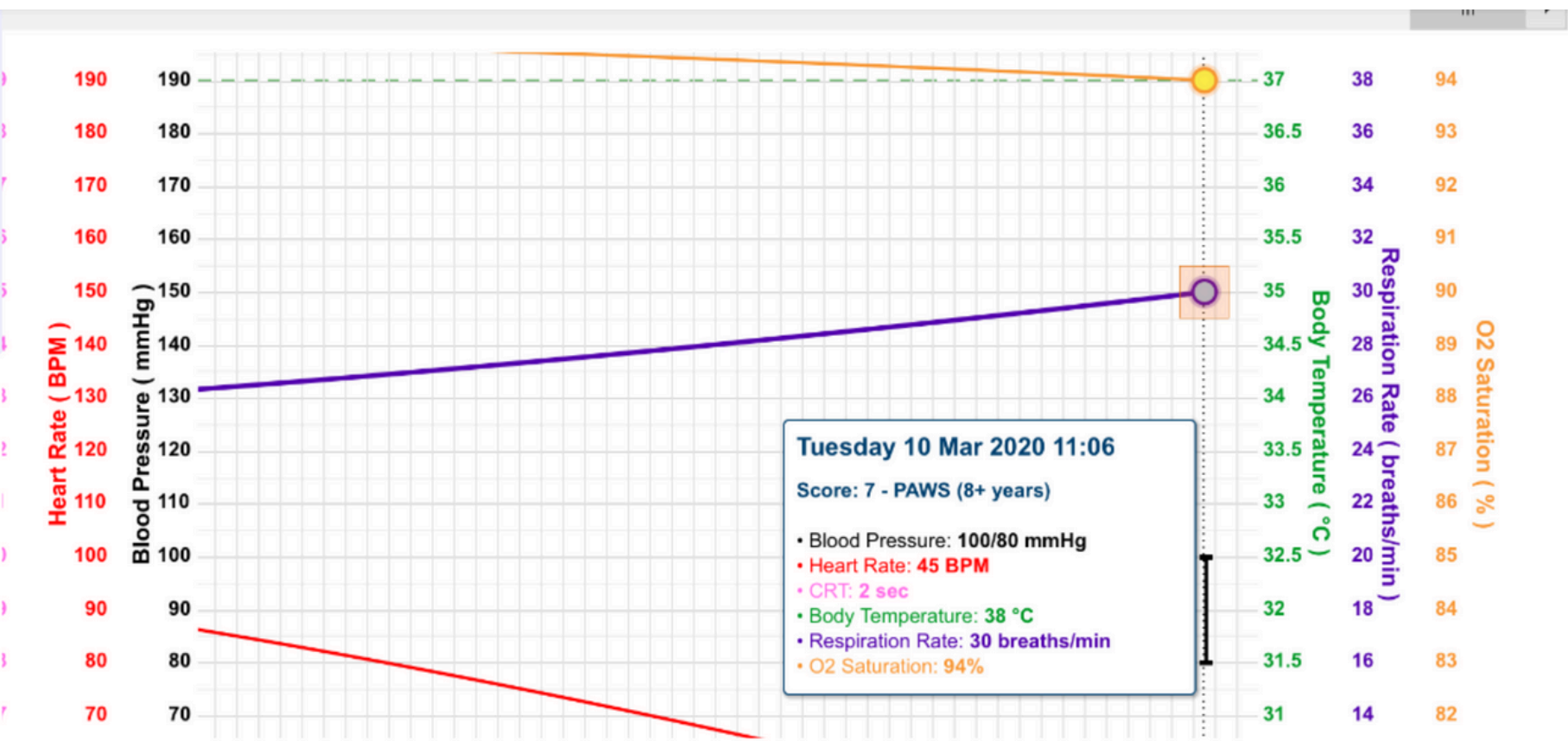
For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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

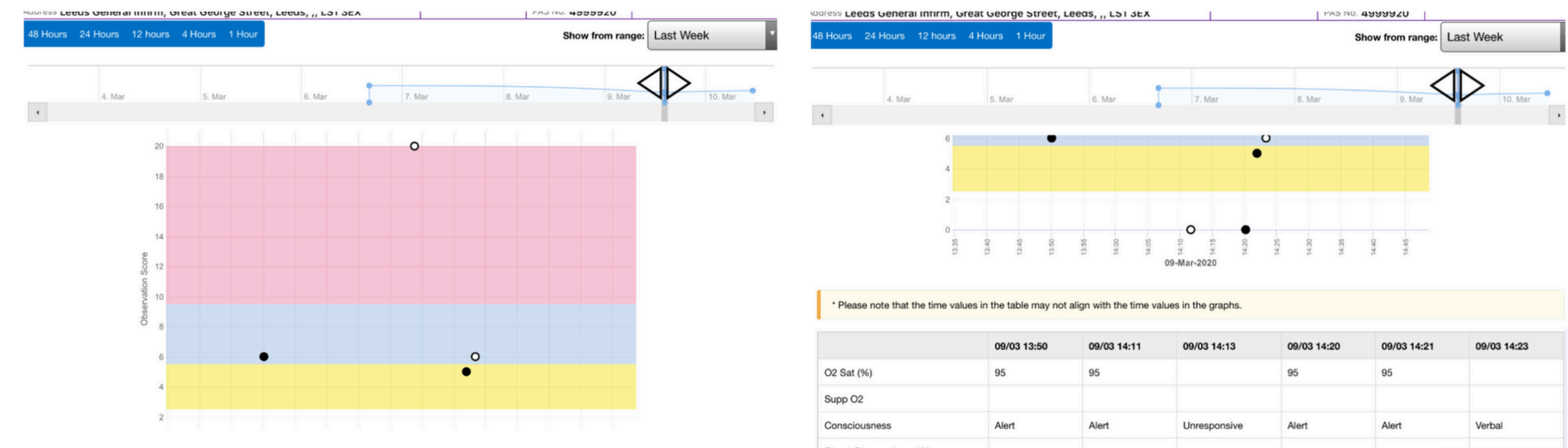


Notice how each individual observation point has been colour-coded to represent the result. **White = 0** **Yellow = 1** **Blue = 3** **Pink = 10**



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.



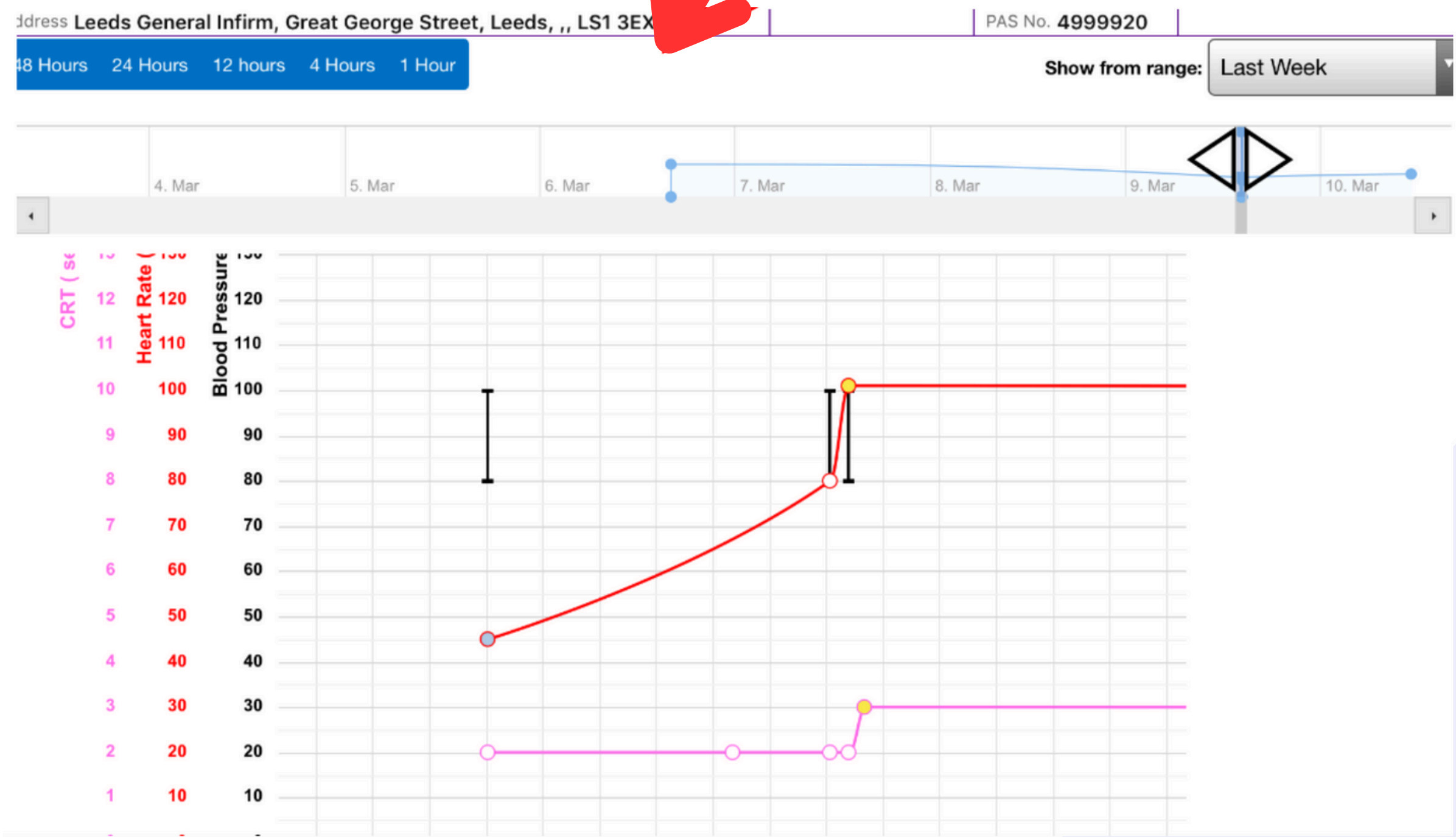
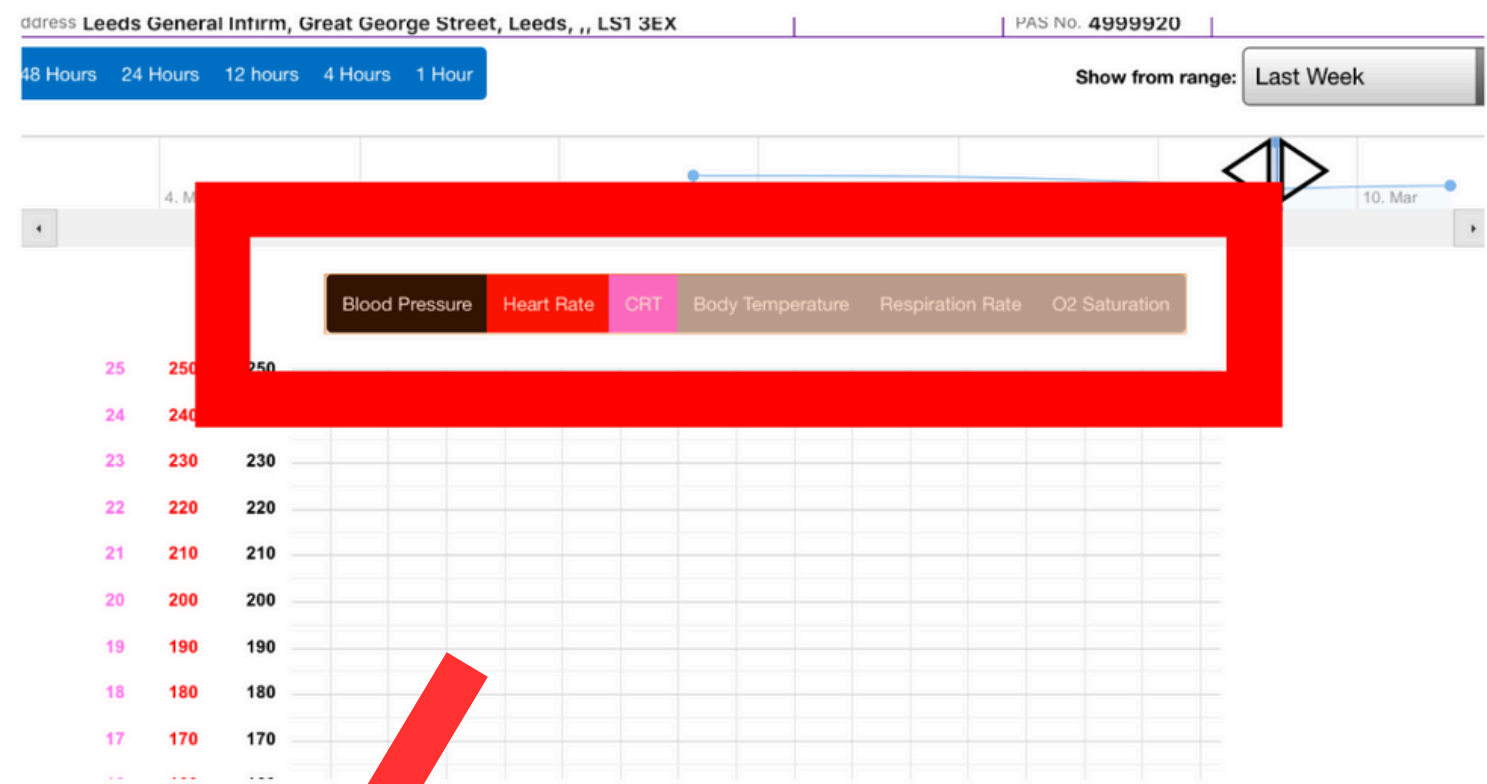
For further information please contact:

leedsth-tr.ImplementationTeam@nhs.net



A complete dot denotes a complete set of observations. A white dot with a black outer denotes a partial set of observations.

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



For further information please contact:

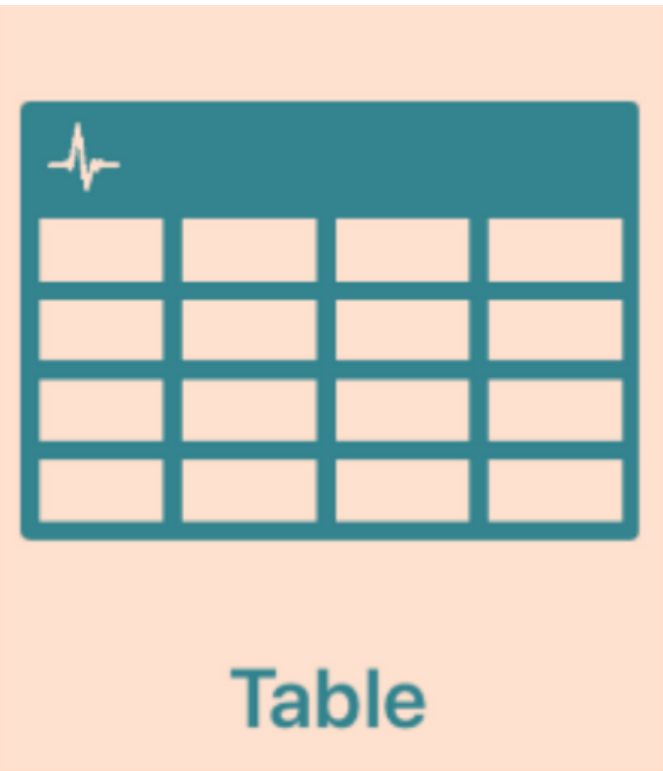
 leedsth-tr.ImplementationTeam@nhs.net

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



For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net



Select table to view the results in an aggregated view.

Select the observation to you wish to interact with.

If a set of observations has had an intervention completed, this is known if you see Yes in the the Intervention row.

Address Leeds General Infirmary, Great George Street, Leeds, ,, LS1 3EX

PAS No. 4999920

SHOWING (All Admissions)

| | | | | | |
|-----------------------------|---|---|--|--|---|
| | 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 | <input type="checkbox"/> 6P (PAWS (8+ years)) | <input checked="" type="checkbox"/> 5 (PAWS (8+ years)) | <input type="checkbox"/> 0 (PAWS (8+ years)) | <input type="checkbox"/> 20P (PAWS (8+ years)) | <input type="checkbox"/> 0P (PAWS (8+ years)) |
| Intervention | Yes | | | | |
| Partial Indication | Patient Refused | | | Patient Refused | Further Obs |
| RR (breaths/min) | <input checked="" type="checkbox"/> 25 | <input checked="" type="checkbox"/> 25 | <input type="checkbox"/> 20 | <input checked="" type="checkbox"/> 8 | |
| O2 Sat (%) | | <input type="checkbox"/> 95 | <input type="checkbox"/> 95 | | <input type="checkbox"/> 95 |
| Supp O2 | | | | | |
| Blood Pressure | | <input type="checkbox"/> 100 / 80 | <input type="checkbox"/> 100 / 80 | | |
| Standing 1 Minute BP | | | | | |
| Standing 3 Minute BP | | | | | |
| HR (BPM) | | <input checked="" type="checkbox"/> 101 | <input type="checkbox"/> 80 | | |
| Temp (°C) | <input type="checkbox"/> 40 | <input type="checkbox"/> 39 | <input type="checkbox"/> 38 | | <input type="checkbox"/> 38 |
| Consciousness | <input checked="" type="checkbox"/> Verbal | <input type="checkbox"/> Alert | <input type="checkbox"/> Alert | <input checked="" type="checkbox"/> Unresponsive | <input type="checkbox"/> Alert |
| CRT (Sec) | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 2 | <input type="checkbox"/> 2 | | <input type="checkbox"/> 2 |
| Pain Score | | 0 - None | 0 - None | | 1 - Mild Pain |
| Blood Glucose (mmol/L) | | | | | |
| GCS | | | | | |
| Adult Child Or Child Infant | | | | | |
| Eye Opening | | | | | |
| Verbal Response | | | | | |

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

03-Dec-2019 14:21

Withdraw Document

View Document

View Intervention

Withdraw Intervention



| | | | | |
|-----------------------------|----------------------|---------------------|---------------------|-----------------------|
| SHOWING (All Admissions) | | 09-Mar-2020 14:23 | 09-Mar-2020 14:21 | 09-Mar-2020 14:20 |
| Score | 6P (PAWS (8+ years)) | 5 (PAWS (8+ years)) | 0 (PAWS (8+ years)) | 20P (PAWS (8+ years)) |
| Intervention | Yes | | | |
| Partial Indication | Patient Refused | | | |
| RR (breaths/min) | 25 | 25 | | |
| O2 Sat (%) | | 95 | | |
| Supp O2 | | | | |
| Blood Pressure | | 100 / 80 | | |
| Standing 1 Minute BP | | | | |
| Standing 3 Minute BP | | | | |
| HR (BPM) | | 101 | | |
| Temp (°C) | 40 | 39 | | |
| Consciousness | Verbal | Alert | | |
| CRT (Sec) | 3 | 2 | | |
| Pain Score | | 0 - None | | |
| Blood Glucose (mmol/L) | | | | |
| GCS | | | | |
| Adult Child Or Child Infant | | | | |
| Eye Opening | | | | |

For further information please contact:

leedsth-tr.ImplementationTeam@nhs.net

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

03-Dec-2019 14:21

Withdraw Document

View Document

View Intervention

Withdraw Intervention

Address Leeds General Infirm, Great George Street, Leeds, LS1 3EX

PAS No. 49999

RESULTS PAWS (Age 8 to 16 Years) 6

| | | |
|-----------------------|---|----------------------|
| 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 |

TASKS

59m Observations Due

0m ago Observations Intervention Required

You can view interventions (if an intervention has been completed for that particular set of observations) 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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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

```
graph TD; A[03-Dec-2019 14:21] --> B[Withdraw Document]; B --> C[View Document]; C --> D[View Intervention]; D --> E[Withdraw Intervention];
```

03-Dec-2019 14:21

Withdraw Document

View Document

View Intervention

Withdraw Intervention

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.

The screenshot displays the 'OBSERVATION FREQUENCY' section of a medical software interface. At the top, there's a header bar with patient information: 'TEST TEAM, Seven (Mr)' and 'Location TEST PER 22'. Below this, the address is listed as 'St. James's University Hospital, Beckett Street, Leeds, LS9 7TF'. The main heading is 'OBSERVATION FREQUENCY'. A red arrow points from the 'Use Graded Strategy' toggle switch to the right, where a dropdown menu is open showing '-- select observation frequency --'. Another red arrow points from the 'Frequency' dropdown menu down to a list of options: '30 mins', '1 hour', '2 hours', '4 hours' (which is selected), and '6 hours'. The interface also includes instructions: 'Make changes to the patient's observation frequency by selecting below. Changes to subsequent observations are not applied until you save.' and three other toggle switches: 'Override Graded Strategy' (disabled), 'Suspend Observations' (disabled), and 'Next Observation'.

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

These two scenarios give examples of when observations are overridden.

1

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 overridden to 8 hourly monitoring

2

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)

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

| | | | |
|-----|---------|---|------------------------------------|
| 5y | 7P (0) | ↑ | 19h 30m |
| 8y | 0 (10P) | ↓ | 45h 57m |
| 14m | 0 (24) | ↓ | 34h 32m |
| 13m | 5 | | 1081h 49m |
| 16y | | | Frequency Overriden to every 5 min |
| 8y | 1 (3P) | ↓ | 154h 47m |
| 2y | 0 (4) | ↓ | 34h 19m |

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

Make changes to the patient's observation frequency by selecting below. Changes to subsequent observations are not applied until you save.

Use Graded Strategy

Override Graded Strategy

Suspend Observations

Frequency

Override reason

Never

-- select override reason --

NEXT OBSERVATION

Done

End-of-life

Discharge

For further information please contact:

leedsth-tr.ImplementationTeam@nhs.net

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.

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.

Born: 01-Jan-2011Gender: MaleNHS No: 999 999 9689

ObservationsTableChartSettingsAudit

Observation Scores

Current Score: 29P ↑25-Oct-2019 10:19

Previous Score: 4P25-Oct-2019 10:18

Pain Score: 225-Oct-2019 10:19

Take ObservationClose

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

Before completing Observations, please ensure the Patient Wellness Assessment form at the beginning of eObs has been completed.

[Click here to view the guide.](#)

For further information please contact:

✉ leedsth-tr.ImplementationTeam@nhs.net

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

| Observation Scores | |
|---------------------------|--------------------------|
| Score | Intervention |
| 8 PAWS (4-7 years) | 14P PAWS (4-7 years) |
| Partial Indication | Further Obs Not Required |
| Standard Observations | |
| RR (breaths/min) | 25 |
| O2 Sat (%) | 93 |
| Supp O2 | |
| Blood Pressure | 110 / 80 |
| HR (BPM) | 56 |
| Temp (°C) | 34.5 |
| Consciousness | Verbal |
| CRT (Sec) | 1 |
| Pain Score | 0 - None |
| Blood Glucose (mmol/L) | |
| Neurological Observations | |
| Spinal Observations | |
| Tracheostomy Observations | |
| Reviewed By | |

In desktop version of PPM+ in the 'Table' tab, if a set of observations has had an intervention completed for it, this is known if there is a in the Intervention row.

| |
|---------------------|
| 22 |
| 95 (Target 94-98 %) |
| 140 / 50 |

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.

| Observations | Table | Chart | Settings | Audit |
|--------------|-------|-------|----------|-------|
|--------------|-------|-------|----------|-------|

For further information please contact:

leedsth-tr.ImplementationTeam@nhs.net

****The Next 3 Pages Are For Qualified Staff Only****

ObservationsTableChartSettingsAudit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

The current scoring strategy is PAWS (8+ years). Do you want to change this patients strategy?

NoYes

Observation Frequency

Use Graded StrategyOverride Graded StrategySuspend Observations

15 mins

Next Observation: 12:48 ⚠ Overdue by 35 minutes

| | |
|--------------------------|----------|
| Respiration Rate | Override |
| Oxygen Saturation In Air | Override |
| Oxygen Saturation In O2 | Override |
| Blood Pressure | Override |
| Capillary Refill Time | Override |
| Heart Rate | Override |
| Temperature | Override |

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.

EDITESTPATIENT, Twentyone

Born 01-Jan-2011Gender MaleNHS No. 999 999 9689

ObservationsTableChartSettingsAudit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

The current scoring strategy is PAWS (8+ years). Do you want to change this patients strategy?

No

Yes

PAWS (8+ years)

This strategy is initially set according to the patients age on admission. Please only change this strategy if you feel it appropriate for the patients current age and size. Changing the strategy will reset all the current settings back to the new strategies default values - including: Frequency, Oxygen Saturation Targets and Scoring Exceptions. These can then be adjusted once the strategy change has been confirmed.

Save

Born 01-Jan-2011Gender MaleNHS No. 999 999 9689

ObservationsTableChartSettingsAudit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

PAWS (0-11 months)

PAWS (12-23 months)

PAWS (2-3 years)

PAWS (4-7 years)

PAWS (8+ years)

NEWS

Changing the strategy will reset all the current settings back to the new strategies default values - including: Frequency, Oxygen Saturation Targets and Scoring Exceptions. These can then be adjusted once the strategy change has been confirmed.

Save

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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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

Observations | Table | Chart | Settings | Audit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

The current scoring strategy is PAWS (8+ years). Do you want to change this patients strategy?

Observation Frequency

15 mins

Next Observation: 12:48 ⚠ Overdue by 35 minutes

| | |
|--------------------------|--|
| Respiration Rate | <input type="button" value="Override"/> |
| Oxygen Saturation In Air | <input checked="" type="button" value="Override"/> |
| Oxygen Saturation In O2 | <input type="button" value="Override"/> |
| Blood Pressure | <input type="button" value="Override"/> |
| Capillary Refill Time | <input type="button" value="Override"/> |
| Heart Rate | <input type="button" value="Override"/> |
| Temperature | <input type="button" value="Override"/> |

Observations | Table | Chart | Settings | Audit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

The current scoring strategy is PAWS (8+ years). Do you want to change this patients strategy?

Observation Frequency

15 mins

Next Observation: 12:48 ⚠ Overdue by 46 minutes

| | |
|---|--|
| Respiration Rate | <input type="button" value="Override"/> |
| Oxygen Saturation In Air | <input type="button" value="Revert To Strategy Default"/> <input type="button" value="↺"/> |
| <div><div><</div><div>0 - 85</div><div>86 - 89</div><div>90 - 94</div><div>95 - 100</div><div>></div></div> | |
| Oxygen Saturation In O2 | <input type="button" value="Override"/> |
| Blood Pressure | <input type="button" value="Override"/> |
| Capillary Refill Time | <input checked="" type="button" value="Override"/> |

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.

Observations | Table | Chart | Settings | Audit

Changes below will not be applied to subsequent Observations, until they are submitted by clicking Save.

Scoring Strategy

The current scoring strategy is PAWS (8+ years). Do you want to change this patients strategy?

Observation Frequency

15 mins

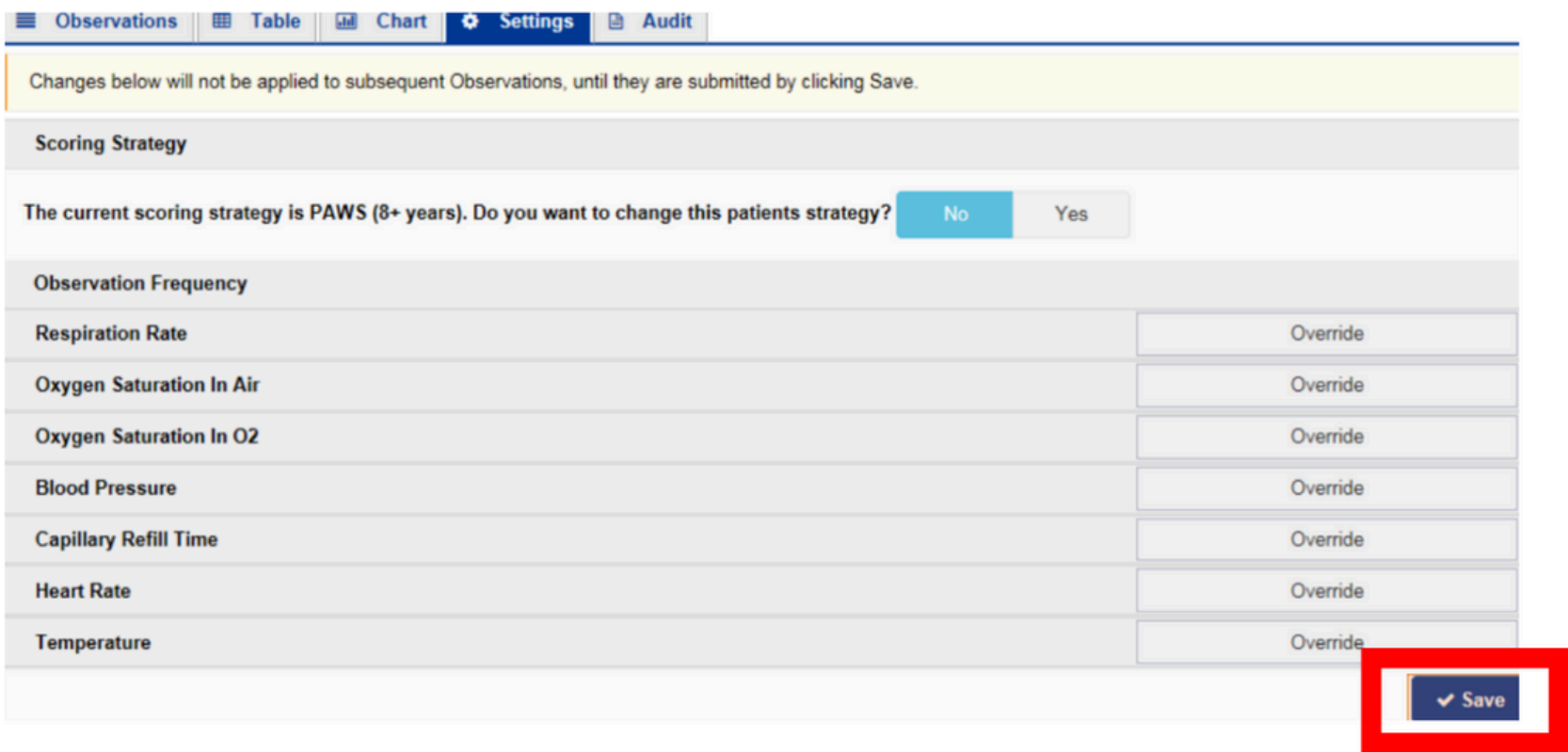
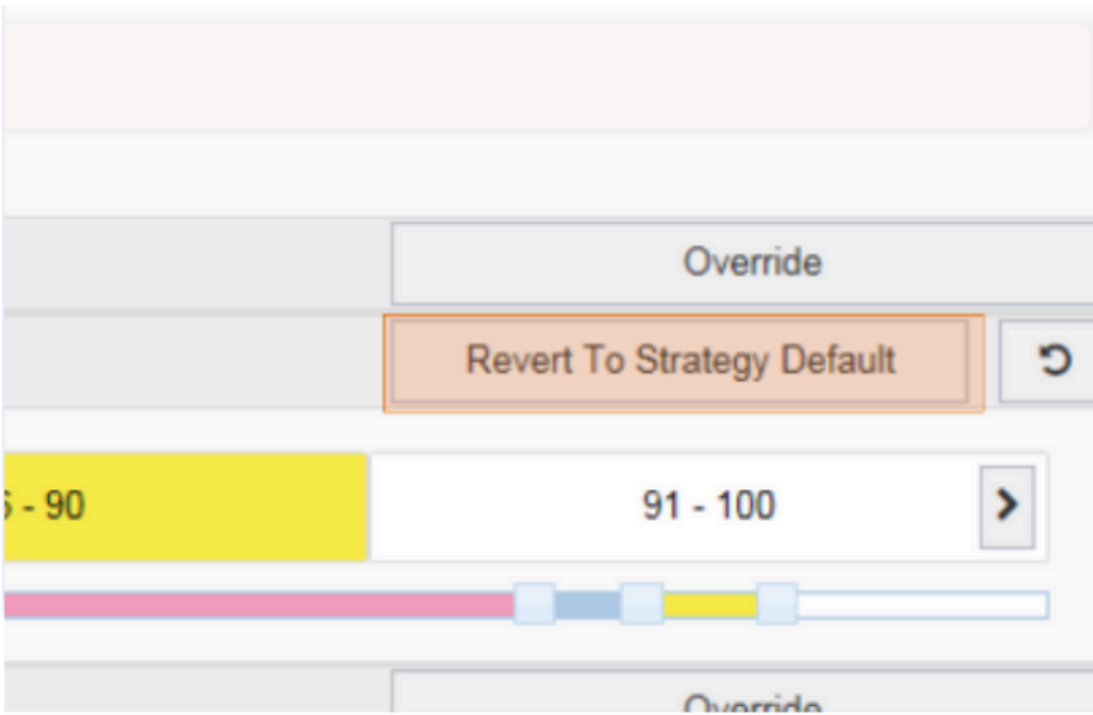
Next Observation: 12:48 ⚠ Overdue by 49 minutes

| | |
|---|--|
| Respiration Rate | <input type="button" value="Override"/> |
| Oxygen Saturation In Air | <input type="button" value="Revert To Strategy Default"/> <input type="button" value="↺"/> |
| <div><div><</div><div>0 - 81</div><div>82 - 85</div><div>86 - 90</div><div>91 - 100</div><div>></div></div> | |
| Oxygen Saturation In O2 | <input type="button" value="Override"/> |
| Blood Pressure | <input type="button" value="Override"/> |
| Capillary Refill Time | <input type="button" value="Override"/> |

For further information please contact:

✉ leedsth-tr.ImplementationTeam@nhs.net

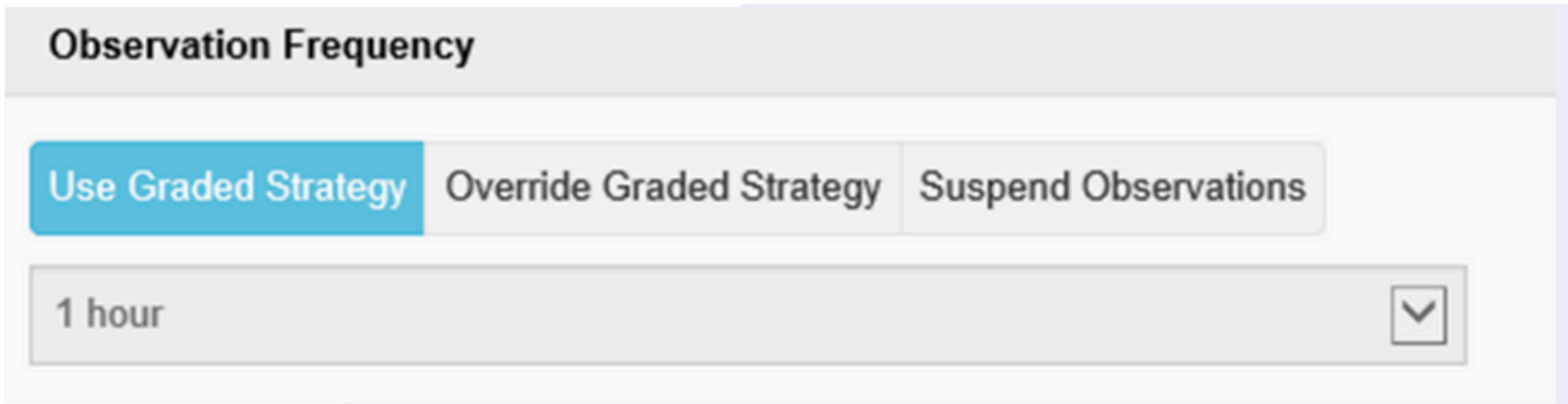
To revert to strategy default, select the button above the parameter slider.



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.

| | Age | Observation | Observation Due |
|--|-----|-------------|---|
| | 4y | 14* (16P*) | ↓ 40m |
| | 30y | | 14 - Exception score, score fell since prev observation |
| | 10y | | 115h 31m |
| | 16y | 6 (33P) | ↓ 65h 55m |
| | 19y | | |

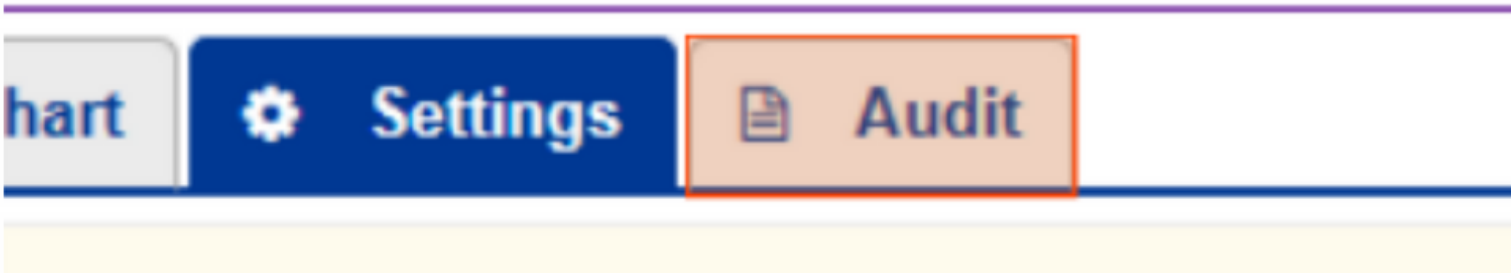


You can also override the graded strategy and suspend observations using the same customisation options as in the PPM+ mobile app.

For further information please contact:

✉ leedsth-tr.ImplementationTeam@nhs.net

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.

5b

Gender Male

NHS No. 999 999 999

is

Table

Chart

Settings

Audit

Audit

| | 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 |

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.

Filter Events...

Show Booked and Delivered

Summary

Add

2021

09-Feb-2021 [Pre-Op Assess](#) Pre-assessment Appointment Boo...

09-Feb-2021 [Pre-Op Assess](#) Pre-assessment Surgical Booking...

09-Feb-2021 [Summary](#) **Observations**

26-Jan-2021 [Ward Stay](#) TEST EPR ZZZ1(Chapel Allerton ...

26-Jan-2021 [Ward Stay](#) TEST EPR ZZZ(St James's Univer...

25-Jan-2021 [MDT Note](#) Care After Death (Adults) - (Teste...

12-Jan-2021 [Summary](#) Height and Weight

08-Jan-2021 Insufficient privileges

08-Jan-2021 [Investigation](#) CT Abdomen / CT Abdomen with c...

2020

09-Dec-2020 [Diagnosis/Pr...](#) K52 Other noninfective gastroente...

08-Dec-2020 [Summary](#) Stool Record Chart

08-Dec-2020 [Medical Note](#) DOAC Counselling Checklist, - (T...

08-Dec-2020 [Clinical Note](#) Brain Attack Contact

08-Dec-2020 [Outpatient M...](#) BMC Proforma: Varghani

08-Dec-2020 [Summary](#) Bed Rails Risk Assessment

08-Dec-2020 [Summary](#) Blood Gas Results

08-Dec-2020 [Outpatient M...](#) Barrett's Oesophagus Outcome: V...

08-Dec-2020 [Anaesthetic](#) Anaesthetic Care Record, - (Test...

08-Dec-2020 [AHP Asses](#) AHP Consultation: (Clinical Psych...

08-Dec-2020 [Mental Capa...](#) 4AT Assessment Test For Delirium...

08-Dec-2020 [Summary](#) Nursing Specialist Assessment (N...

08-Dec-2020 [Summary](#) Clinical Notes

08-Dec-2020 [Clinical Risk](#) COVID-19 Screening Questionnair...

02-Dec-2020 [File Link](#) TOE

02-Dec-2020 [File Link](#) TOE

Observations: Table

Expand

Print

Refresh View

| | | | | |
|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Show All | 09-Feb-2021 | 05-Feb-2021 | | |
| Page 1 of 4 | 11:13 | 09:37 | 09:35 | 09:33 |
| | | | | |
| Score | 31P PAWS (8+ years) | 3P PAWS (8+ years) | 3P PAWS (8+ years) | 40P PAWS (8+ years) |
| Intervention | | | | |
| Partial Indication | Further Obs Not Required | Further Obs Not Required | Further Obs Not Required | Patient Refuser |
| Standard Observations | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RR (breaths/min) | 22 | 20 | 28 | 20 |
| O2 Sat (%) | 80 | | 99 | |
| Supp O2 | | | | |
| Blood Pressure | | | | |
| HR (BPM) | 60 | 66 | | |
| Temp (°C) | 36 | | 37 | |
| Consciousness | Pain | | | Unresponsive |
| CRT (Sec) | | 5 | | |
| Pain Score | 0 - None | | | |
| Blood Glucose (mmol/L) | | | | |
| Neurological Observations | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Spinal Observations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tracheostomy Observations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Reviewed By | | | | |

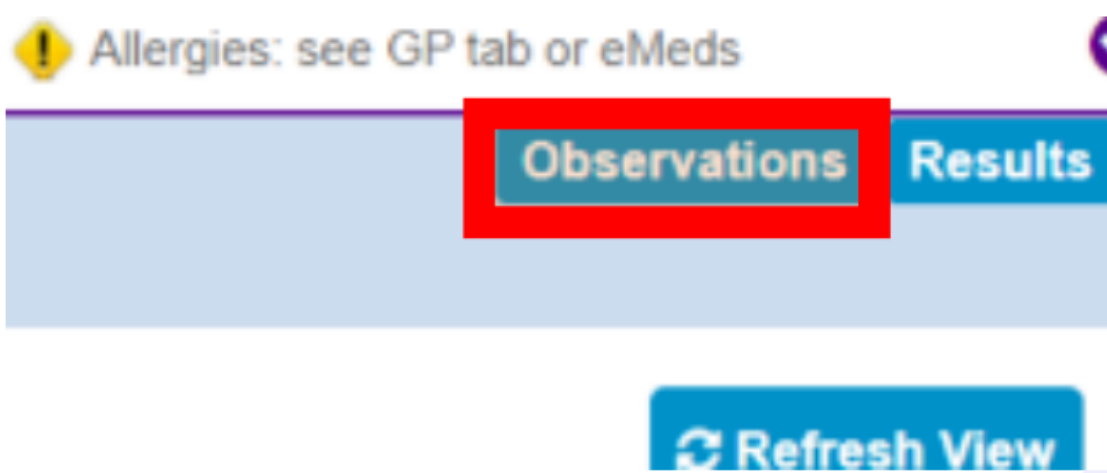
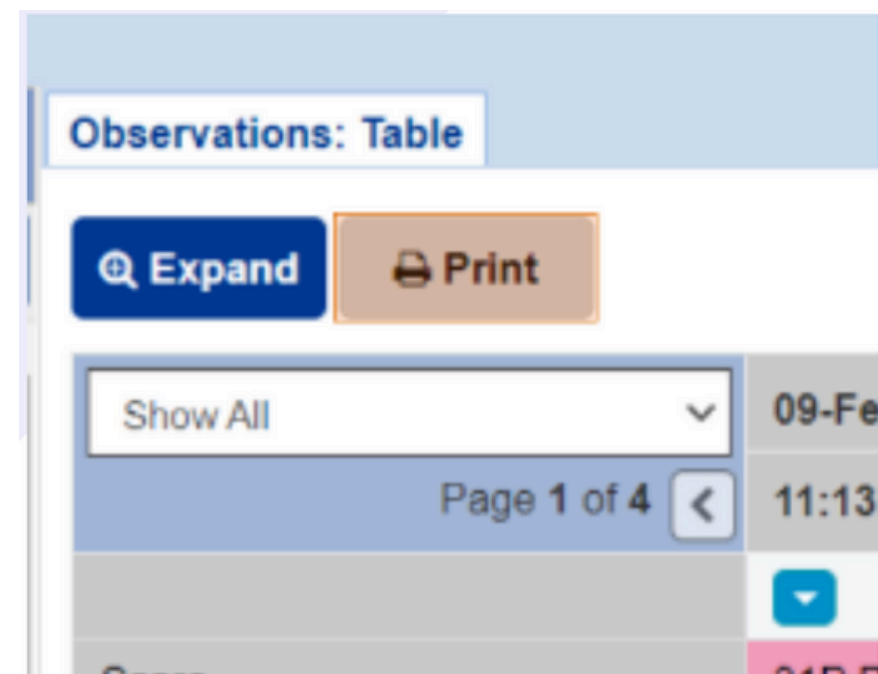
Also, if you click on 'Show All' , you can filter the observations by date range.

| |
|------------------------------------|
| Show All |
| Show All |
| Current Admission |
| Current Admission + Previous 24hrs |
| Last 24 Hours |
| Last 48 Hours |
| Non Admission |
| 19-Nov-2020 to 20-Nov-2020 |
| 09-Nov-2020 to 19-Nov-2020 |
| 05-Nov-2020 to 09-Nov-2020 |
| 30-Oct-2020 to 05-Nov-2020 |
| 30-Oct-2020 to 30-Oct-2020 |
| 30-Oct-2020 to 30-Oct-2020 |
| 20-Oct-2020 to 30-Oct-2020 |
| 19-Oct-2020 to 20-Oct-2020 |
| 19-Oct-2020 to 19-Oct-2020 |
| 15-Oct-2020 to 19-Oct-2020 |
| 20-Aug-2020 to 15-Oct-2020 |
| 17-Jul-2020 to 17-Aug-2020 |
| 18-Mar-2020 to 17-Jul-2020 |

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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.

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

| Tasks | |
|---------------|---|
| 7 (7 overdue) | ? |
| 7 (7 overdue) | ? |
| 5 (5 overdue) | ? |
| 5 (4 overdue) | ? |
| 4 (3 | ? |

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)

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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

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.

| |
|------------------------------------|
| |
| Observations Due |
| Observations Intervention Required |
| Countersign |

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.

| | |
|-------------|-------------|
| 16 Mins Ago | Countersign |
|-------------|-------------|

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.

Exceptions and scoring strategy with patients receiving O2 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

For further information please contact:

 leedsth-tr.ImplementationTeam@nhs.net

Exceptions and scoring strategy with patients receiving O2 therapy

Paediatric Advanced Warning Scores (PAWS) gives scores for SpO₂ in air and on O₂. 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 SpO₂ on PPM+, it is not possible to generate a PAWS score >1 when SpO₂ 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 SpO₂ of 80%-85% but their actual SpO₂ was 95%, this might be harmful and warrant an elevated PAWS score, but the system would record a maximum score of 1 for this SpO₂ 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

Useful Contacts

Implementation Team

Please contact the **Implementation Team** for Digital support & training on PPM+ functionalities.



leedsth-tr.ImplementationTeam@nhs.net

IT Service Desk

Please contact the **IT Service Desk** 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.



x26655



<https://lth-dwp.onbmc.com>

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/>

For further information please contact:



leedsth-tr.ImplementationTeam@nhs.net