



EARLY WARNING SCORE (EWS)

The Early Warning Score (EWS) can help you recognize the early signs of a deteriorating patient. Depending on the score calculated, appropriate recommendations are displayed.

The monitor supports the following scores:

- MEWS (Modified Early Warning Score)
- NEWS (National Early Warning Score)
- **NEWS2 (National Early Warning Score 2)**
- **Custom Score**

Types of scoring tools:

Total score

A sub score is given for each parameter based on the measured or entered value. When all the required parameters are entered or measured, the sub scores are added together to calculate the total early warning score. Each sub score has a colour coding to indicate associated level of risk. When the total score is outside of the thresholds, actions are recommended. **MEWS, NEWS** and **NEWS2** can give total scores.

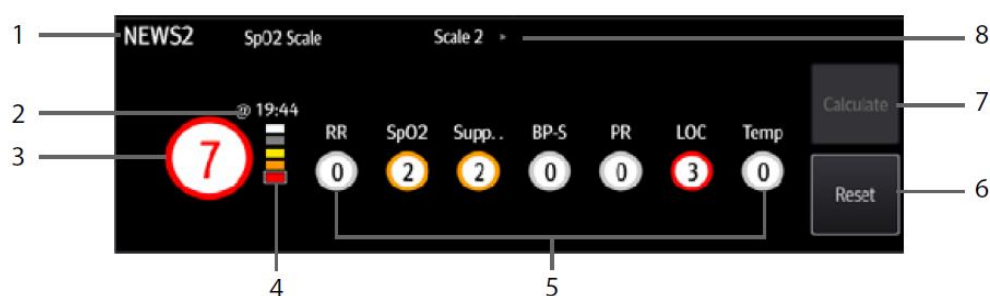
Individual Parameter Score (IPS)

A color-coded score is given for each parameter based on the measured or entered value. Each parameter has upper and lower thresholds. When an individual parameter measured or entered is outside of the thresholds, actions are recommended.

Custom Score

Based on user-defined parameters. It can be a total score or an IPS, depending on the configuration.

EWS DISPLAY



- 1.Label:** EWS protocol label
- 2.Time:** The current scoring time
- 3.Total score:** The colour of the circle indicates the level of risk. For IPS, no score is displayed. Level of risk is shown, white means normal and red indicates alert.
- 4.Risk level indicator:** The level of risk increases from the top down. The current level is enclosed by a white square frame. For IPS, this indicator does not display.
- 5.Sub score area:** displays the sub score of each parameter.
- 6.Reset:** select this button to clear the previous score.
- 7.Calculate:** select this button to calculate the total score. It is available when all parameter values used for scoring are obtained automatically.
- 8.SpO2 scale:** displays the current SpO2 scale used for scoring. Select this area to change to another scale.

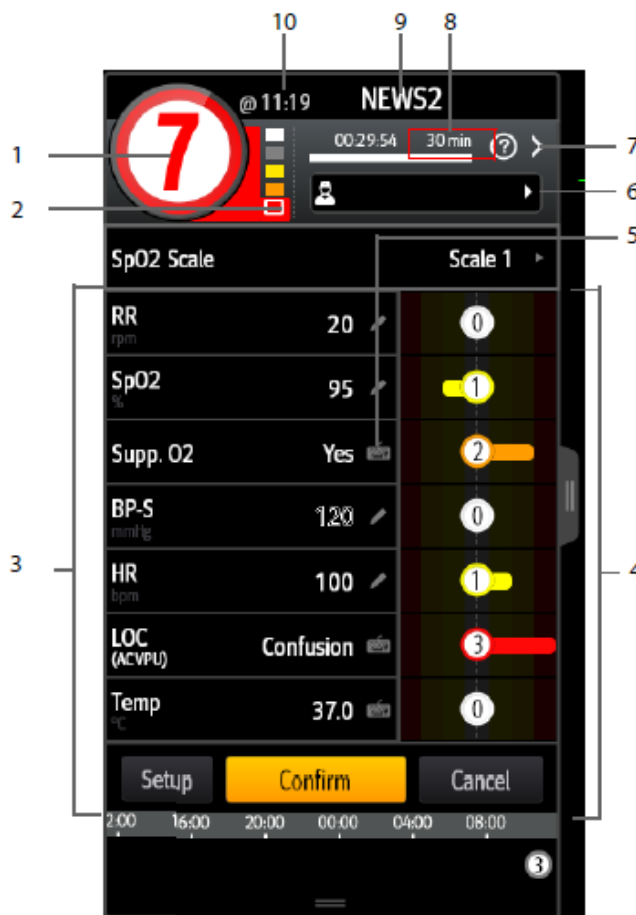
These guidelines do **NOT** replace the instructions for use and all users should refer to the appropriate **Operator's Manual** for detailed instructions. The illustrations may not necessarily reflect the setup or data displayed on your device.

ACCESSING THE EWS SCREEN

Access the **EWS** window in any of the following ways:

- Select the **EWS** parameter area
- Select the **Main Menu** quick key → from the **CAA** column select **EWS**.

Take **NEWS2** screen is shown as follows. Your screen may be slightly different due to the configuration.



1. **Total score:** The colour of the circle indicates the level of risk. For IPS, no numeric score is displayed. Level of risk is shown, white means normal and red indicates alert by default.
2. **Risk level indicator:** The level of risk increases from top down. The current level is enclosed by a white frame. For IPS, this indicator does not display.
3. **Parameter area:** displays the value of each parameter.
4. **Sub score area:** displays the sub score of each parameter.
5. **Keyboard symbol:** indicates that the value is manually entered.
6. **Clinician ID** (only displayed if Clinician ID is selected): allows inputting the Clinician ID to associate with the EWS score.
7. **Clinical response:** Selecting this button to see the clinical response to the current score.
8. **Interval:** Scoring interval.
9. **Label:** EWS protocol label.
10. **Time:** The current scoring time.

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PERFORMING EWS SCORING

To perform scoring, follow this procedure:

1. Select **Reset** to clear the previous score, update values of currently monitored parameters and relevant sub scores.
2. For **NEWS2** set the **SpO2 Scale**:
 - **Scale 1**: for patient without hypercapnic respiratory failure.
 - **Scale 2**: for patients with a prescribed oxygen saturation requirement of 88– 92% (for example, in patients with COPD, hypercapnic respiratory failure etc).
3. Measure or manually enter other required parameters and observations.
4. Select **Calculate** to get the total score.
5. If **Score Confirmation** is enabled, select **Confirm** to save current scoring, or select **Cancel** to cancel current scoring.

EWS ALARM

When working under **Continuous Monitoring** mode, if alarms are enabled, the monitor can automatically give alarms and refreshes the score.

Setting the EWS Alarm

In **Continuous Monitoring** mode, if **Alarm** is enabled, the monitor can automatically give alarms in the following cases:

- The total score exceeds the configured threshold
- The score of auto-obtained parameter is 3.

To configure the EWS alarm, follow this procedure:

1. From the EWS page select **Setup**.
2. Select the **Alarm** tab.
3. Turn on the **Alarm** switch.
4. Set the alarm switches for the single parameters listed in the **3 in single parameter** area.
5. Set the alarm switch and threshold of the total score in the **EWS Score** area.

VIEWING SCORE HISTORY

To view the score history, follow this procedure:

1. Select the **Review** quick key → select **Scoring Review** tab.
2. Select **PID** and from the popup list select the ID of which the scores are to be viewed.
3. Select Filter and choose a protocol if needed.
4. Select a record and then select **Detail**.

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