



The WebV eObservations Module provides the electronic recording of patient blood pressure, temperature, pulse, mental state and oxygen saturation levels and automatically calculates full or partial Early Warning Scores including NEWS, OEWS and PEWS and also Malnutrition scores (MUST). Results can be viewed in clear, concise tables and charts..



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Module Origin

The Problem

Following the adoption of the National Early Warning Scores by the Northern Lincolnshire & Goole NHS Foundation Trust in 2012 and whilst the tool was welcomed as a positive step forward for patient care, it was quickly identified that the method of recording information was time-consuming for nursing staff and data captured on paper charts could be ambiguous or inaccurate.

The Trust's Chief Nurse asked whether the WebV Team could create a user-friendly electronic system for recording Observations, which improved the accuracy of data collection and saved valuable staff time

The WebV Solution

Led by clinical colleagues, the development team created a module which:

- tackled existing problems
- also proposed innovative solutions to improve the quality of patient care.

Nursing staff now use a handheld device to record clinical data. Programmed in line with national guidelines, the system automatically calculates a NEWS, OEWS, PEWS and MUST scores and, where there is cause for concern, prompts staff with clear guidance on appropriate action to be taken. Nurses have confidence they are following the right process because they are advised when to review or to escalate a case.

The Team re-developed the module during 2020 into the latest incarnation version 3 and re-named the module eObservations

The benefits for patients, staff and the Trust

Undoubtedly the most significant impact of the module is that it makes it easier for clinical staff to swiftly identify patients whose condition is deteriorating and make sure they urgently get the treatment and care they need. However, it has had other important benefits. The Trust can now adapt and respond far more quickly to new national guidance for patient care and Care Quality Commission requirements. For example, the national drive to reduce the number of sepsis-related deaths in the UK led clinical staff to work with the WebV Team to build new sepsis guidelines into the observation module (see card on Sepsis Screening). Data collected through this module is also invaluable for audit trails.

Where the Module can be used

The eObservations Module can be utilised across all Wards/Departments within your organisation that require the need for Patient Observations to be recorded.

Functionality

Release 3.01

eObservations

- Creation of PEWS recording

Release 3.5

eObservations

- Permission restricted ability to access the patient's assessment module
- Ability to record a national early warning score (NEWS) assessment against a patient which calculates the patient's NEWS score in line with the clinical scoring standard
- Timeline entry is created after a vitals assessment is submitted
- Clinical response messages displayed once the assessment is complete, depending on the calculated score
- Parameter values and calculated scores can be viewed in a graph format
- Recorded parameters and calculated scores are collated and displayed in a Vitals table. This is the default view when entering the vitals module.
- Ability to record erroneous vitals from the vitals table. An icon is added to the event to indicate the event has been suppressed.
- If the patient is receiving supplemental oxygen, additional questions are added to the scoring profile to record either supplemental oxygen litres and/or supplemental litre percentage depending on the selected oxygen delivery method
- Warning message displayed when attempting to record the same vitals assessment profile against a patient within a 15 minute period
- From the vitals table, ability to click on an event to see the full vital details
- Ability to record an erroneous vitals from the patient timeline entry
- Latest vital sign assessments displayed on the ward information screen
- Ability to view previous vital assessments from the ward information screens shown with the newest first.
- Vital assessments can be completed using mobile devices
- Colours are displayed on vitals (according to the profile) when a single scoring profile is showing
- Vitals display as plain text when multiple or now scoring profiles are displayed
- For the NEWS profile, ability to record additional vitals to capture additional information that does not contribute to the calculated NEWS score.
- Vitals assessment captures the patients location at the time of recording
- Ability to record numerical values with a decimal place using the barrel picker
- Triggering a Scale 2 (Hypercapnia) vital signs profile is available
- After submitting a set of vitals, ability to manually adjust the automatically calculated review time
- Added correct styling to suppressed timeline entries
- Tailored clinical response actions dependent upon the users permission
- Prompts sepsis screening tool when patient meets requirements to be screened for sepsis
- Option to print observation chart

Release

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