

Ward Information Screens

The WebV Information Screens Solution supports staff in more effectively managing their ward or unit. The module can be used via a PC, mobile device, or wall-mounted screen, and provides a ward or unit-level overview on which patients can be assigned to bed spaces and their key information can be recorded and displayed. The module also benefits users by creating a Nursing Handover. The information recorded is designed to aid in identifying and managing critically ill patients and assist in discharging patients.

WebV SYSTEMS

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Module Origin

The Problem

- Old inefficient system with white boards being used – wanted something which utilised technology
- Lack of funding to invest in a commercial product
- Nursing and clinical handovers time consuming and inefficient
- Differing ways of working on each ward

The WebV Solution

The in-house WebV team at the Northern Lincolnshire and Goole NHS Foundation Trust was approached to look at delivering a solution to the organisation.

The solution developed by WebV was designed to include:

- The recording and display of patient information which helps to identify and manage the care of critically ill patients
- Assist in discharging patients
- Prioritise and allocate limited resources efficiently

The solution helps staff to manage their ward or unit more effectively by giving easy access to an overview of key patient information and bed availability, via wall mounted screens, mobile devices or PCs.

The ward boards and system display:

- The patient's name
- Gender
- Consultant

The information displayed is also delivered with a series of simple icons which can be customised to specific wards or units which convey personal information quickly but discreetly.

The solution also displays:

- Patients' latest NEWS scores and shows when observations are due,
- Flagging when people are confused or have conditions like diabetes.
- Patients who have a history of infections like MRSA and indicate why a patient is in isolation.

- If a patient is off ward, for example for surgery or an x-ray.

All this information is automatically pulled into the nursing handover and can be added to by doctors. This means that staff on every shift, are given an accurate and consistent summary of care and safety risks at the click of a button.

The benefits for patients, staff and the Trust

The list of benefit are many, however the key ones are:

- Improvements in patient safety and care
- At a glance, doctors and nurses can see which patients are at risk of deterioration, for example showing early warning signs of sepsis, and when critical observations or assessments for dementia or diabetes are due.
- Patient prioritisation based on the on-hand clinical data
- Staff resources are allocated to best effect.
- Easy patient tracking
- Time saving on administrative tasks and nursing handovers which allows staff to focus on patient care
- The creation of ‘Specialist Lists’ of everyone under their specialism at the click of a button

The module also helps the Trust to meet national standards, by efficiently collecting and collating data required for audit.

Where the Module can be used

The Information Screens Module can be utilised across all Wards within your organisation.

Version 3.2

Clinical Information Screens	<p>Redesign of the current V2 functionality of the Ward boards to be consistent with the version 3 look and feel, whilst adding new features and improvements.</p> <p>Ward Builder (Administration)</p> <ul style="list-style-type: none"> • Ability to create a ward by site and Trust. • Ability to design a ward layout. • Ability to edit ward layout. • Ability to set Clinician colour for the Trust and / or ward. • Ability to assign default criteria for slots including, gender, age category and patient category. • Ability to edit the ward in a live environment. • Ability to see a table of all wards / locations by a site with their current status. <p>Clinical Indicator Administration</p> <ul style="list-style-type: none"> • Users can view a table of all clinical indicators and can filter by specific properties. • Ability to configure ward specific indicators per Trust. • Ability to set and configure priority for clinical indicators. • Ability to configure Trust mandatory indicators available per ward. • Ability to set default indicator category. • Ability to set a priority against clinical indicators. • Ability to remove an indicator from a category. • Ability to configure text inline and date options for an indicator. • Configuration ability for text input and date values to set an icon when there is no value or a value present. • Ability to deactivate local and global category indicators. • Prevent ability to duplicate indicators for local and global categories.
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Clinical Information Screens	<p>Ward Display</p> <ul style="list-style-type: none"> • Display a table of all active wards by a site. • Display for the topographical layout for the ward. • Ability to view ward information including availability. • Ability to set default zoom level of a ward display. • Ability to set a temporary zoom level and ward screen position. • Ability to add a patient to a slot by either patient identifier search, from the holding area or from an existing slot. • Screen resized and centred on load. • Patient information displayed, including basic demographics, responsible Clinician, EWS score and clinical indicators. • Ability to record clinical indicators. • Clinical indicators displayed per patient with the ability to cycle through icon categories. • Ability to unset an indicator value. • Users are required to record a reason when adding a patient to an isolation slot. • Ability to discharge / remove a patient from a slot. • Ability to assign a Clinician to a patient selecting from a list of configured Consultants for the current site. • Ability to record responsible personnel against for a patient. • Ability to move a patient. • Ability to reserve a bed. • Ability to move patients to and from the holding area. • Ability to set a bed as decommissioned with reason. • Ability to transfer a patient (to another location), recording a reason for the transfer. • Ability to recommission a decommissioned bed. • Ability to add /remove /discharge patients to /from the ward holding area. • Ability to set patient's status as absent from ward. • Details relating to the patient's admission / movement history available. • Ability to remove patients from the ward holding area. • Alerts for breaches including age, mixed sex, category, escalation, isolation, location maintenance, patient admission and patient reservations per bay / slot. • Warning message displayed when trying to transfer an isolated patient. • EWS information relating to the observation score, status and trend displayed. • Ability to view the history of recorded personnel against a patient. • All indicators are cleared upon patient discharge.
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Version 3.3

Clinical Information Screens	<ul style="list-style-type: none"> • Accessing and updating full ward screen information requires swipe card authentication. • When swiping an unknown card number, prompt displayed for user to log in using username and password. • Displays name of user who has swiped in to access the board. • Date and time of last flag update added to tooltip. • Full audit functionality <p>Configuration</p> <ul style="list-style-type: none"> • Ability to configure colours against specialties • Wards can be created with multiple specialties configured • Duplicate indicators cannot be added to local and global categories • Indicator configurable after creation • Creating a new indicator using an existing property will default the indicator
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	<p>status to Active</p> <ul style="list-style-type: none"> • Fields set as mandatory when editing a slot • When creating a new indicator, creating a new property from this panel will set the default status of the indicator to inactive • If a newly created indicator uses a property which is unpublished a warning message will display when trying to activate. "Publish and Set Activate" are available as further actions in this panel • Property types Yes/No, Yes/No/NA, time, types, selection and selection radio added to the available properties when configuring a new icon • Permission created to enable clinician colours to be set locally per Ward • Check added before trying to populate patient in to a slot to ensure the bed is not already occupied • Date added/updated displays in the indicator list within settings
	<p><u>Information Screens</u></p> <ul style="list-style-type: none"> • Patient demographics displayed when the slot is reserved • Ability to perform a patient swap for two slots • Display of patient arrival date and time in the holding area • Ability to record and update planned patient discharge information, which shows the appropriate icon on the ward screen • On removing a patient from a slot, status of the bed automatically updates to 'requires cleaning' • Audit functionality for ward board activity • Isolation reason added to slot details panel • When discharging a patient, persistent information is retained for the next admission, responsible clinician is removed, non-persistent flags are removed and EWS icon and trend is reset • Ability to add patients to the holding area for a ward • Text inputted in to clinical indicators linked to in line properties is entered in to the box • Check added to ensure slot is not already occupied before populating a patient in to the bed <p><u>Ward Handover</u></p> <ul style="list-style-type: none"> • All indicators added to the handover view • Ability to view handovers whilst in flashback mode • Recorded responsible personnel displayed on the handover report • Select/deselect all functionality added when choosing patients to print the ward handover • Corrected spacing issues to allow enough space for text properties • Sorting table header for born column arranges patients in to age order • Standard deceased markings added to patient list view • Back arrow located at the top of the page navigates back to the information screen

Version 3.4

<p>Ward Information Screens</p>	<ul style="list-style-type: none"> • Displays responsible Clinician on handover when they are the only responsible personnel added • Functionality of adding responsible personnel updated so that multiple patients can be added to one staff member • Ability to amend isolation reason • Inactive property values are not shown when creating a new clinical indicator • Observation type included on printed handovers
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Version 3.5

Ward Information Screens	<ul style="list-style-type: none">• Add clear values option when editing indicator configurations• Create Indicators using Yes/No and Yes/No/N/A properties
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