CliniComp, Intl.

# Security Changes

## Applicable Software

- **1.4.5.XXX or later Essentris Client Version**
- **207.XXX or later Essentris Server Version**

## Included IAVAs

2008-A-036 OpenSSL
2008-A-046 Oracle Database Server
2008-A-073 Oracle Database Server

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SIGNATURE

10/30/08
DATE

# Essentris™

# Release Notes

**Essentris Client Version:** 1.4.5.xx

**Essentris Server Versions:** 207.xxx

P/N 253-61074-C (October 29, 2008)

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# Release Overview

## New Versions

This update creates the following new versions.

- **Essentris Client Version 1.4.5.xx**
- **Essentris Server Version 207.xxx**

## Type of Release

This is a new feature and enhancement release.

## Client-Server Compatibility

All Essentris client versions shown are compatible with each Essentris server version shown.

| Client Versions | Server Versions |
|---|---|
| 1.4.5.xx | 207.xxx |

## Installation Considerations

Essentris version 1.4.5.xx does *not* support the Vista 64-bit client Operating System, regardless of the server operating system. (SZ5686)

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# New Features

New features represent a unique new tool, user interface, or other significant application to the Essentris environment.

This release of Essentris includes the following new features.

## Perinatal Enhancements

A number of new enhancements have been made to the fetal-strip displays. There are now two display models for fetal strips:

- The single fetal-strip display is described below.
- The multiple fetal-strip display begins on page 14.

### Single Fetal Strips

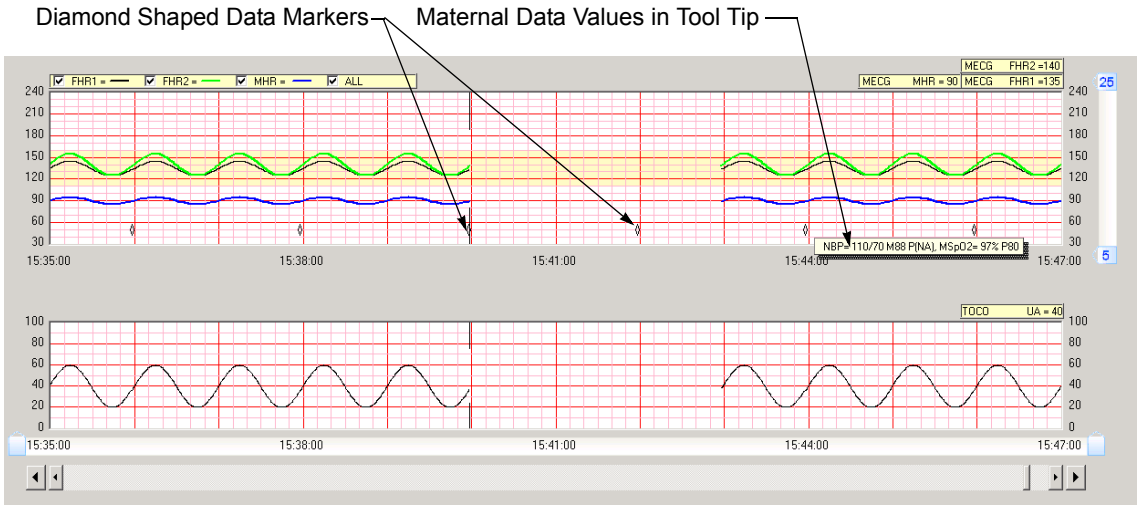
This is a fetal-strip display for one patient. It includes the ability to add documentation to the fetal strip and the patient's record. The following topics describe the enhancements to single fetal strips.

#### *Displaying Maternal Data in the Fetal Strip*

- **Maternal Data Values In a Tool Tip**

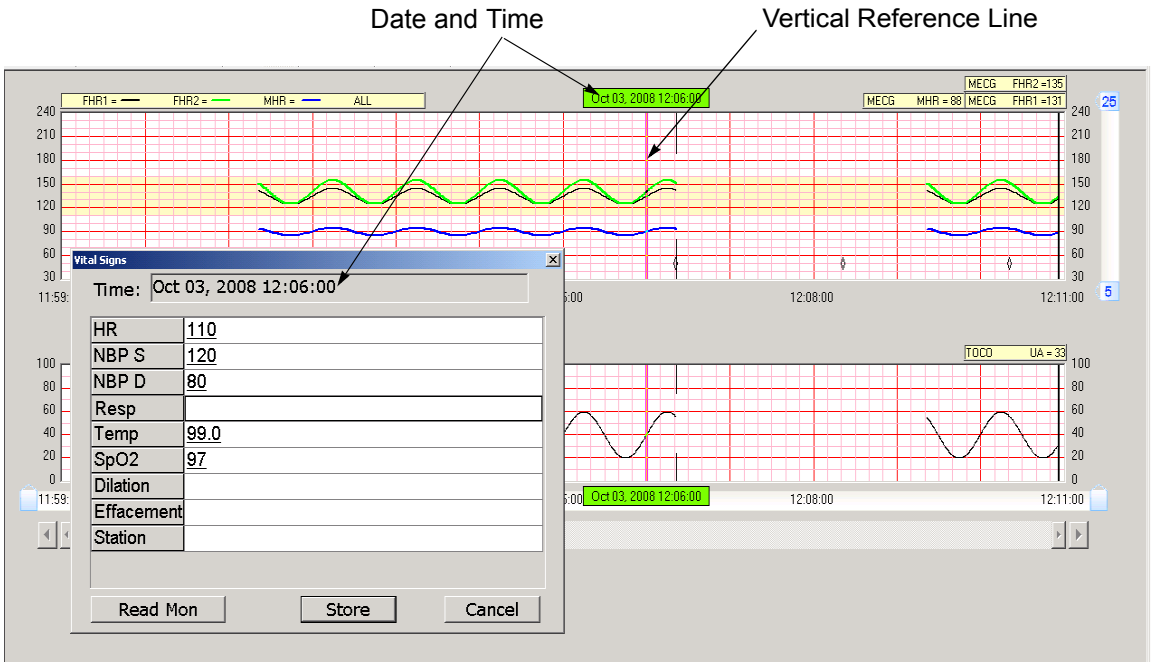
A Tool Tip describing the data value appears when the cursor hovers over a diamond symbol, as shown in the screen image below. These values display in the printed fetal strip, and are automatically saved in the fetal strips. (SZ4550)

***Note:*** This feature is compatible only with certain bedside fetal monitors that send maternal Heart Rate, SpO2, and Blood Pressure.



## ■ Maternal Vital Signs Reference

A new **Vital Signs** pop-up box has been added to enhance visibility of maternal data. This data also flows back and displays in the Vitals Section of the Flowsheet.




Use the following steps to create a vital signs reference in the fetal strip.

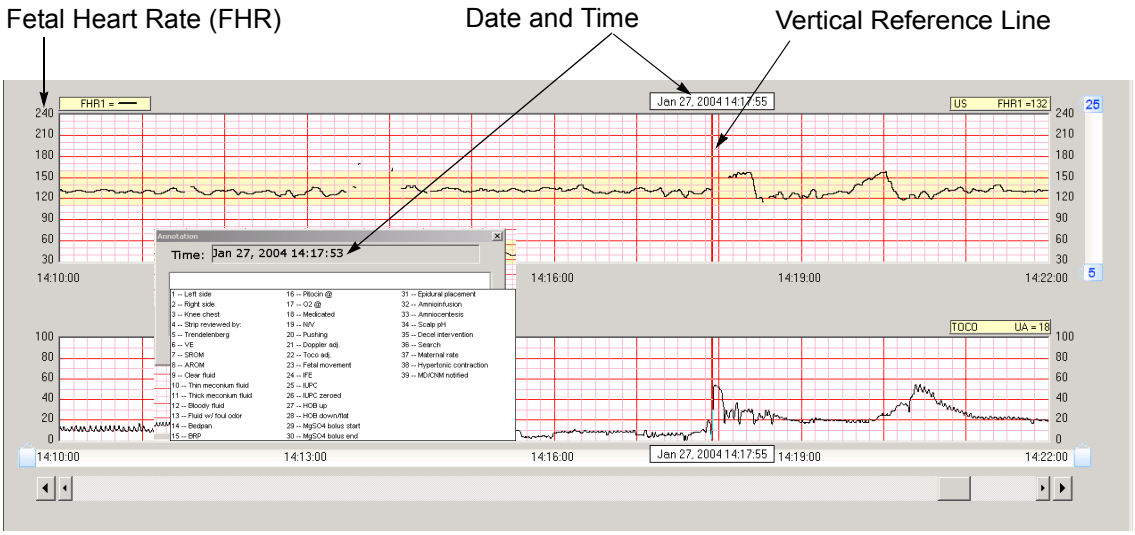
1. Click the **Vital Signs** icon or the **Vital Signs** menu item from the **Fetal** menu. When the cursor is positioned over the fetal strip, a temporary vertical line appears that moves horizontally with the cursor, and the date and time is displayed at each end of the vertical line (refer to the above screen image).

2. Locate the date and time on the fetal strip, by moving the cursor, to position the data reference point.
3. Click the mouse button to set the reference point. The *Vital Signs* dialog box opens.
4. Click the **Read Monitor** button on the *Vital Signs* dialog box. The fields in the *Vital Signs* dialog box are automatically populated. The vitals signs data can also be entered manually into the *Vital Signs* dialog box.
5. Click **Store** and enter your User Name and Password to save the data. The *Vital Signs* dialog box closes.
   - An **Annotation** symbol displays below the fetal strip at the date-and-time reference point. The Annotation symbol contains an alphabetic character that references the Annotation box below the fetal strip.
   - The data base items display in a separate box below the fetal strip.
   - When the cursor passes over the **Annotation** symbol, a tool-tip displays the data base item values.

The **Vital Signs** pop-up box is pre-configured to display Heart Rate, Blood Pressure, Respiratory Rate, Temperature, SpO2, Dilation, Effacement, Weight, and Station. It can be configured to display any data base items or group of items. Contact CliniComp's Application Support Group to change the configuration of this feature. (SZ4493, SZ5693)

### *Annotation Reference Line*

When entering an annotation on the fetal strip, a temporary vertical reference line displays across the fetal strip. The date and time display at each end of the vertical reference line.




Use the following steps to create an annotation in the fetal strip.

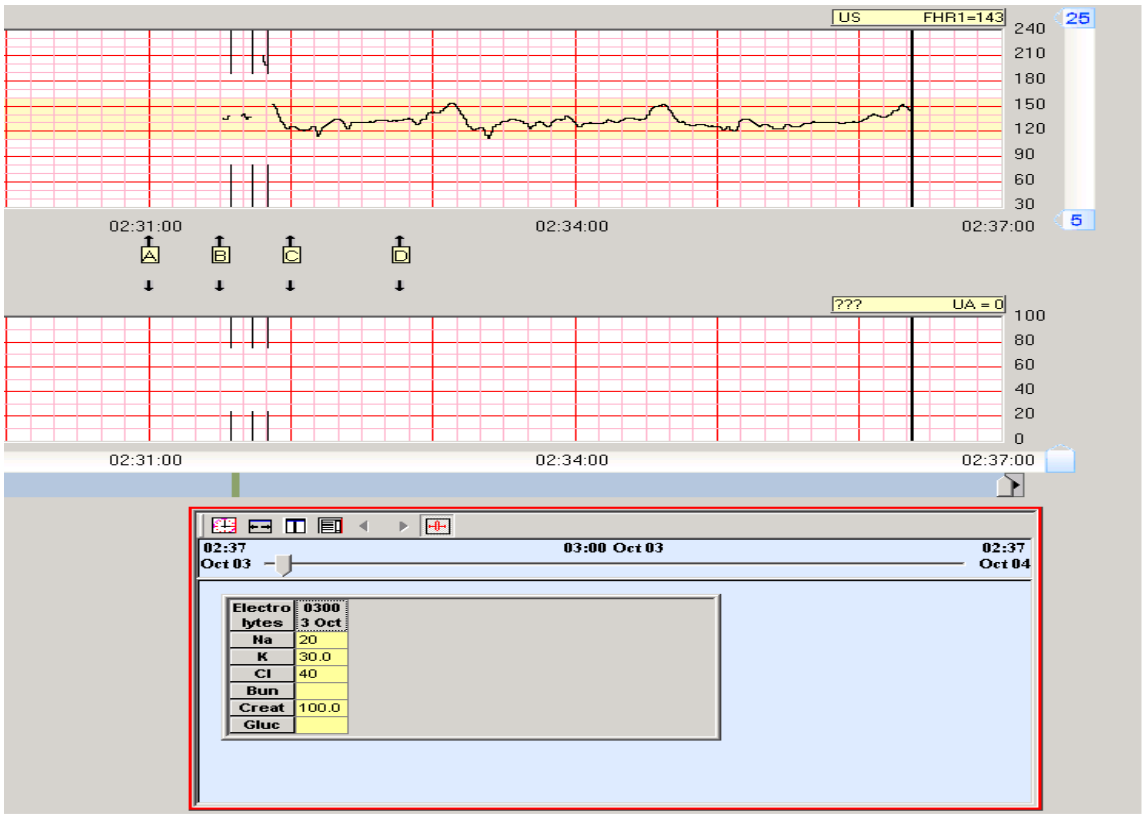
1. Click on the **Annotation** icon or the **Annotation** menu item from the **Fetal** menu. When the cursor is positioned over the fetal strip, the cursor changes to the hand image, a temporary vertical line appears that moves horizontally with the cursor, and the date and time is displayed at each end of the vertical line.
2. Locate the date and time on the fetal strip, by moving the cursor, to position the reference point.
3. Click the mouse button to set the reference point. The *Annotation* dialog box opens with its choicelist open.
4. Click on a Choicelist option or key-in an annotation in the text area of the *Annotation* dialog box. The *Annotation* dialog box can be configured for a maximum of 60 characters of text.
5. Click **Store** to save the data and close the *Annotation* dialog box. The User Name and Password must be entered to save the data.
    - An **Annotation** symbol displays below the fetal strip at the date-and-time reference point. The Annotation symbol contains an alphabetic character that references the Annotation box below the fetal strip.
    - Pass the cursor over the **Annotation** symbol to show the annotation text a tool tip.

These annotations also appear in the Vitals Plot Section of the Flowsheet. This option is configured on by default. Contact Clinicomp's Application Support Group to disable this feature.

A new single choicelist is optionally available that replaces both the choicelist used for Flowsheet events and the choicelist used for fetal annotations. (SZ4469, SZ4987, SZ5095, SZ5117, SZ5618)

### *Mini Summary Screen*

The *Fetal Strip* screen can be configured to display a mini-*Summary* Screen. The *Summary* Screen is pre-configured to display Vitals Summary, Labs Summary, and Meds Summary data. Other *Summary* Screen formats can be configured. When this feature is configured on, the mini-*Summary* Screen opens automatically when entering the *Fetal Strip* screen and can be dragged and dropped to anywhere on the screen.




A secondary configuration can be applied to the **AutoRefresh** feature that effects when the mini-*Summary* Screen displays.

**AutoRefresh** is set on by default. The mini-*Summary* Screen always displays, regardless of the AutoRefresh mode: running or not running.

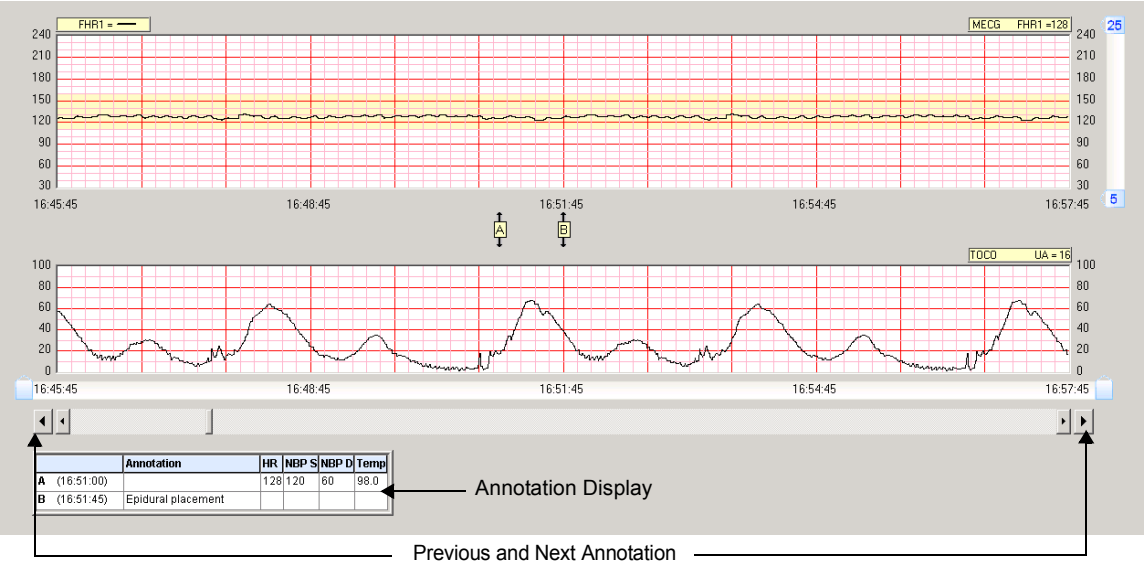
When **AutoRefresh** is disabled:

- Starting AutoRefresh hides the mini-*Summary* Screen.
- Stopping AutoRefresh causes the mini-*Summary* Screen to appear.

Contact CliniComp's Application Support Group to change the configuration of this feature. (SZ4474, SZ4805, SZ5094)

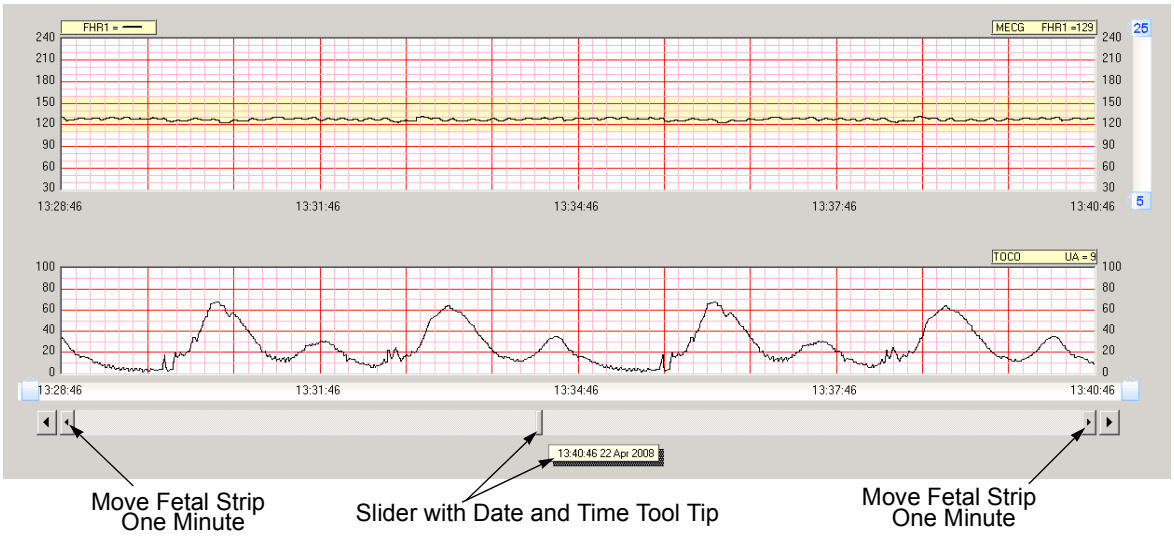
### *Previous and Next Annotation Buttons*

Two new arrow buttons have been added to quickly display the previous annotation or the next annotation on the fetal strip. Click on the large arrow button located at each end of the scroll bar, under the fetal strip, to jump to either the previous annotation or the next annotation. The messages *No Previous Annotation* or *No Next Annotation* displays when the first or last annotation is displayed. The annotation is displayed in the *Annotation Display* box. When an **Annotation** marker is selected, the Annotation is highlighted in the *Annotation Display* box. Also, selecting the Annotation in the *Annotation Display* box highlights the **Annotation** marker. (SZ5098, SZ5433, SZ5626)



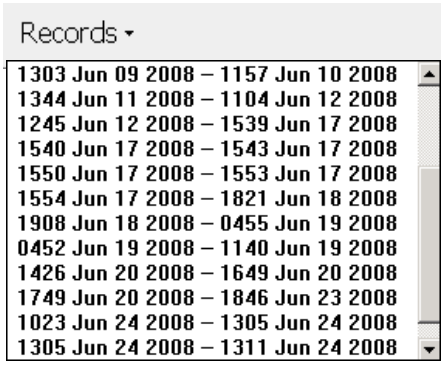

### *Navigating a Fetal Strip*

A slider bar has been added below the fetal strip to enable viewing the entire fetal strip for the patient's stay. A tool tip with the date and time displays as the slider scrolls through the fetal strip. (SZ4555, SZ5322)



### ❍ Selecting a Display Time

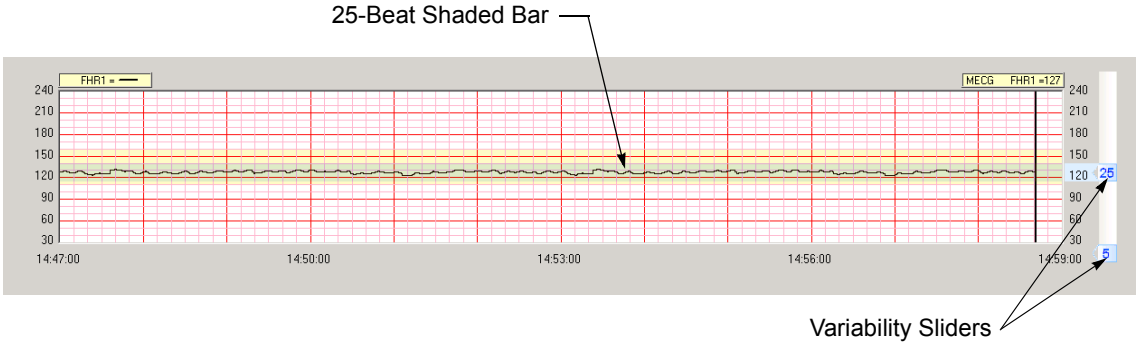
The dialog box that listed fetal strip segments when entering the *Fetal Strip* screen has been replaced with a new button labeled **Records**, which is shown on the fetal strip. Click the **Records** button down-arrow to display a drop down list of available fetal strip segments. (SZ4472, SZ5323)



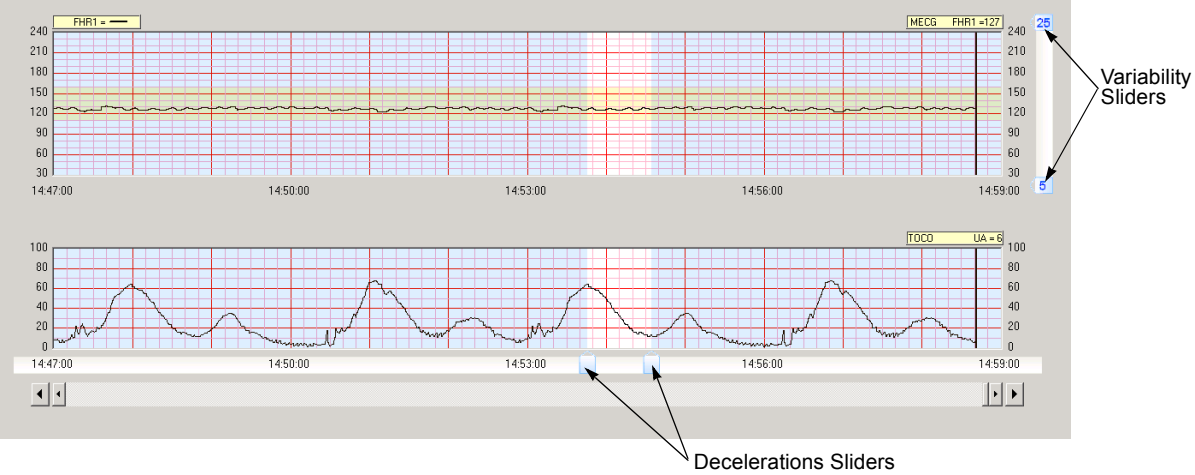

### ❍ Fetal Strip Evaluation Tools

Sliders are used to shade the fetal strip to measure variability and decelerations. The areas of evaluation are defined by sliders in two scroll bars. Use the vertical scroll bar on the right side of the screen to define the area of variability, and the horizontal scroll bar at the bottom of the screen to define the area of decelerations.

- **Variability Tool** - The variability scroll bar contains two sliders: a 25-beat and a 5-beat. Only one slider can be used at a time. Moving a slider along the vertical scroll bar causes a shaded bar to display horizontally across the fetal strip. Position the shaded bar over the area of interest. The shaded bar is proportional in height to the slider value: 25-beat or 5-beat.

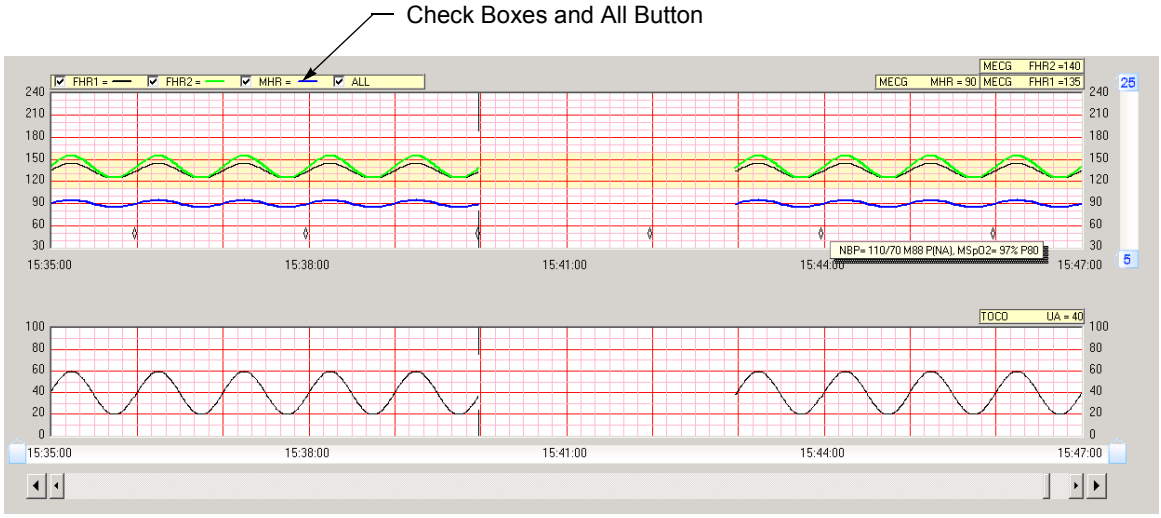


- **Decelerations Tool** - There are two sliders in the horizontal scroll bar, which are moved independently. Moving the sliders toward the center of the scroll bar causes the areas of the display to the left of the left slider and to the right of the right slider to be shaded. The unshaded area in the display defines the area of evaluation. (SZ4806)




### *Selecting a Single Tracing*

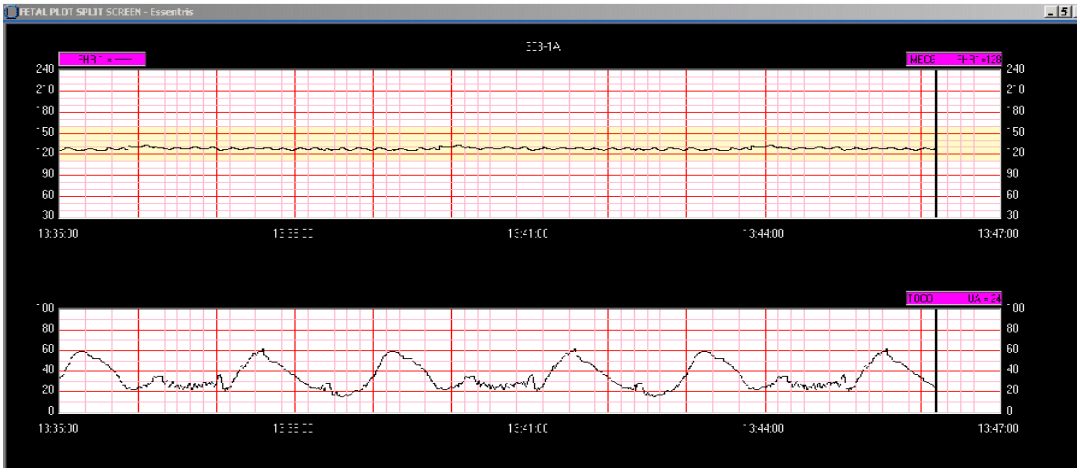
When the fetal strip displays multiple tracings for fetal and maternal data, a check box at the top of the fetal strip is also available to select an individual tracing. To display all tracings, click the **All** button. The tracings are color coded for Fetal Heart Rates: FHR1 is black and FHR2 is green. MHR, maternal rate, is blue. (SZ4479, SZ5099, SZ5703)




### *Screen Lock*

The screen lock can be activated using the **Lock Screen** icon or the **Fetal Screen Lock** menu item on the **Fetal Menu**. An active fetal strip displays on top of the screen lock screen so users can continue monitoring the fetal strip without moving the mouse or pressing a key. If the fetal strip is *not* active, the black screen displays. To unlock the

screen, press any keyboard key, or click either the left- or right-mouse button. Enter a User Name and Password in the Validation Dialog box to remove the screen lock. (SZ4495, SZ5325)




## Multiple Fetal Strips

Fetal Strips for one or more patients can now be displayed on one screen, in one of three views: My Patients, My Groups, and Pre-Configured. These displays are read-only.

***Note:*** The following terms might be encountered in the Essentris screens and documentation and are defined here for clarification.

- **SFD** - This is a reference to the Multiple Fetal Strips feature, which includes the following enhancements.
  - Displays only fetal strips that contain data that is less than 12-minutes old.
  - Auto-sizes the fetal strips to fit the screen, from 1-to-25 fetal strips.
- **Provider List** - This term is now known as the **My Patients** list.
- **Provider Group** - This term in now known as the **My Groups** list.

### *My Patients Fetal Strips*

This group displays fetal strips on one screen for patients listed in a provider's *My Patients* (formerly known as *Provider List*) patient list.

### *My Groups Fetal Strips*

This group displays fetal strips for patients listed in a provider's *My Groups* (formerly known as *Provider Group*) patient list.

### *Pre-Configured Fetal Strips*

This group displays fetal strips for patients of a pre-configured group of beds. These groups of beds are for patients with a common purpose for clinical care, such as Triage patients, Labor and Delivery patients, or patients by location. Group names can be configured to site requirements.

A required permission, **106: Information Smart Fetal Display Screen**, has been added to use this feature.

The three groups described above include the following enhanced functionality.

***Note:*** Some providers might need to use the **Campuswide** permission to see all patients' fetal strips, as the local PC might not have access to units in which some of the provider's patients are assigned.

- Groups are also accessed from the **Fetal Strips** menu, or the Tabs at the bottom of the multiple *Fetal-Strip* screen, by name.
- Fetal strips that have no data, or data that is more than 12 minutes old, are not displayed.
- An optional message can be configured to warn the user when valid fetal plots are *not* displayed. This occurs when additional fetal plots are available for display than those displayed. This option excludes any fetal plots as described in the previous item in this list. This feature is on by default.
- A maximum of 25 fetal strips can be displayed on one screen.
- Any group can be one or more patients. (SZ3511)

Contact CliniComp's Application Support Group to set up a pre-configuration worksheet. (SZ4471, SZ4804, SZ5007, SZ5012)

### *New Display Features*

The screen includes the following usability features.

- **Title Bar Menu icon** - Opens the menu and displays the following functions:
  - **Maximize/Restore (tab name)** screen - Maximize displays a full screen view. Restore displays a reduced-size (configured) view.
  - **Lock Screen with (tab name)** - Enables Screen Lock (see “Screen Lock” on page 13).
  - **My Patients** - Go to the My Patient list.
  - **Patient Control** - Go to the *Patient Control* screen.
- **Right-Click menu** - Opens the menu for the selected fetal plot with the following functions:
  - **GoToFetal** - Opens the Fetal application for the selected patient. Also, the fetal application can be opened by double-clicking in the fetal plot.
  - **Lock Screen with (tab name)** - Enables Screen Lock (see “Screen Lock” on page 13).
  - **Zoom In** - Enlarges the view of the fetal plot, and the **Zoom In** button toggles to **Zoom Out**. To view the normal display size, click on **Zoom Out** or double-click the fetal plot.
  - **Message Line** - Displays messages and warnings at the bottom of the screen. (SZ5321)

# Feature Enhancements

The following enhancements have been added to existing features in Essentris.

## New Essentris Icons

The Essentris icons have a new look for this release. Icons are described in the Icon Quick Sheets (254-51072) that accompany this document. Note that the icons that display vary for each application depending on application configuration and user permissions. The new icons support true colors. (SZ5496)

## General Enhancements

### Version Updates

The Copyright dates, and Essentris Client Build and Version numbers, have been updated for 2008 for the Essentris and ConfigTools applications. To view the current information, open any **Help** menu and select the **About Essentris** menu item. (SZ3298)

For ease of identification, the Essentris client version now displays in the lower-left corner of the *Essentris* screen. It replaces the text *For Help, press F1*. (SZ5533)

### Automatic Essentris Installation

When a new Essentris client is to be installed, the installation can be done automatically for all PCs. Essentris, on each PC, checks for a new client when the *Patient Control* screen is accessed, and when a newer client is available, it is automatically installed, unless unsaved data is detected. If unsaved data is present, the message *Do you want to Save?* prompts the user to save the data. This feature applies to all client and server versions 1.4.5 and later. (SZ4996, SZ5043, SZ5100, SZ5601)

### Display Improvements

Improvements have been made to the Essentris screens by using color and unifying fonts and labelling. For example, blue is used to highlight the *Patient Header,* selected unit names, and patient data. Fonts and labels have been standardized for consistency and readability. (SZ5142)

### Changes to Menu Items

- The **Print Chart** menu item is now in the **File** menu, making all print functions under one menu.
- The **Options** menu item and the **Work Process** (Create) menu item are now in the **Tools** menu. (SZ5219)

## Flowsheets

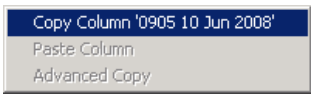
### Choice of Font Sizes in Flowsheets

The font size for Flowsheets can be configured as small (1), medium (2), or large (3). By using the smaller font, more rows can display on the *Flowsheet* screen. The default setting is medium. Contact CliniComp's Applications Support Group to change the font size value. (SZ2888)

### Advanced Copy and Paste

A column or specified fields of data in a Flowsheet column can be copied from a time column to another time column.

1. Select the column of data to copy forward by right clicking on the date/time column header. The right-click menu, shown to the right, displays with the date and time of the column to copy from as the first item. When this menu item is active, the two other menu items are inactive and greyed out.




2. Click on the **Copy Column** option.

3. Select the column to paste into and right-click the date/time column header to display the menu with the paste options activated. The **Copy Column** menu item is inactive and greyed out.

   Two paste options are available:

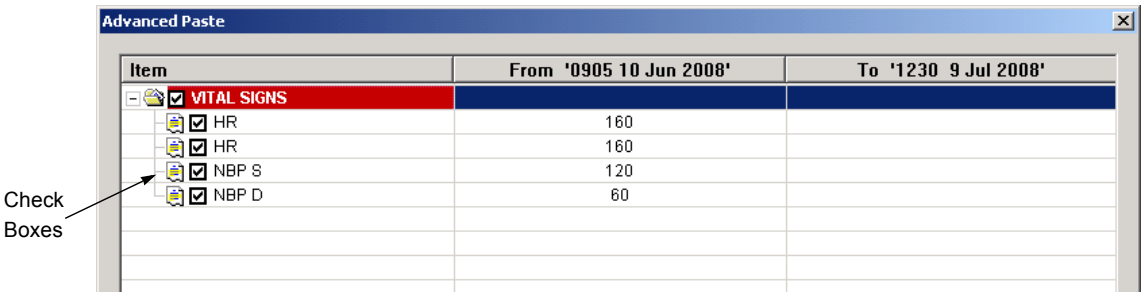
   - **Paste From**

   Select **Paste From** to paste all configured data items from the copied column.

   - **Advanced Paste From**

   Select **Advanced Paste From** to open the *Advanced Paste* window where individual data items can be selected to be included in the paste operation.

   The *Advanced Paste* window opens with all data items checked. Uncheck any data items that are *not* to be pasted in the **To** time column. Click **OK** to initiate the paste into the Flowsheet.




Contact CliniComp's Application Support Group to enable this feature. (SZ4491, SZ5324)

## Edit Per Item Reference

Reference information for database items in the **Per Item Reference** can be edited within Essentris. Use the following steps to add information for a data item.

1. After selecting the item in a Flowsheet, click on the **Describe Item** icon. The *Describe Item* dialog box displays with a new button: **Edit Ref**.
2. Click on the **Edit Ref** button and enter your User Name and Password.
3. Add the new information or create a new reference.
4. Click **OK** to store the new information.
5. To view the information, click **Describe Item** and click the **View Ref** button.

Permission **36: Reference** is required to edit or create a Per Item Reference.

## Improvements to the Processing and Display of Laboratory Results in Essentris

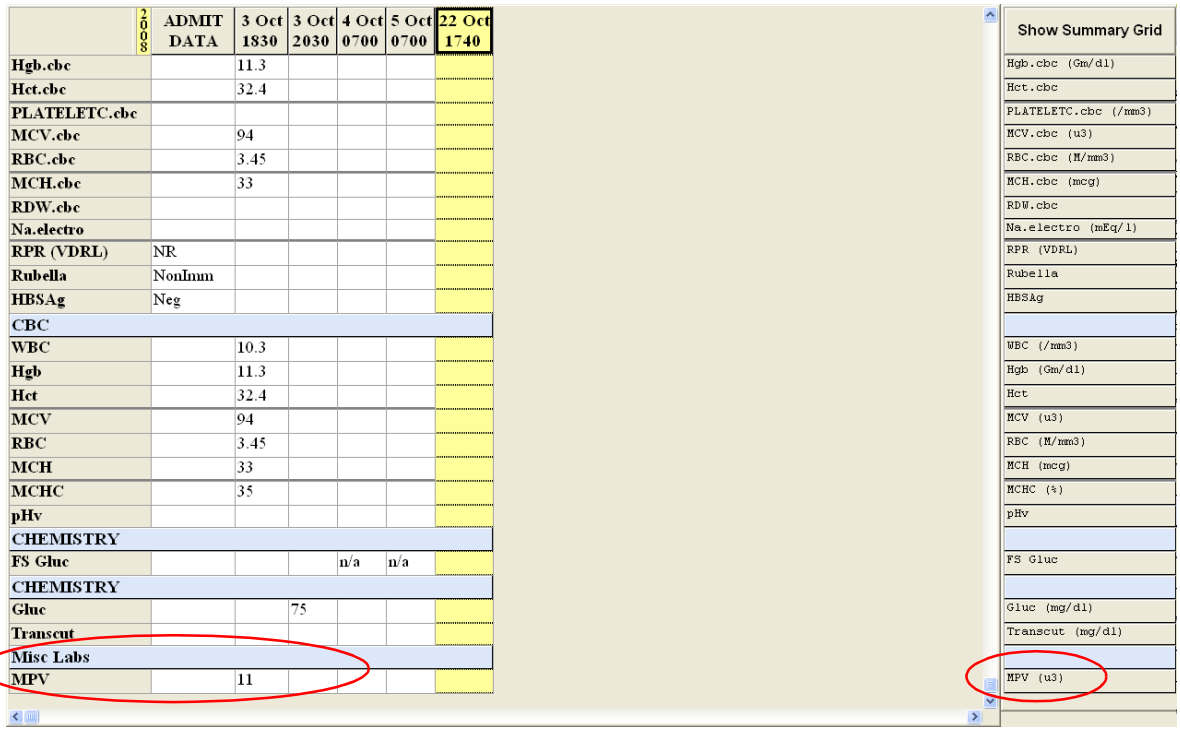
Essentris now receives and displays all lab results rather than a predefined subset. The units of measure of lab results are taken into account when processing incoming results received from by the Laboratory interface:

- Results sent from the lab are now mapped to the Essentris flowsheet row using both the result **Identifier** and **Units of Measure**.
- If an inbound result does not have a matching entry in Essentris, then a "**Misc Labs**" flowsheet row is dynamically created to display the inbound result's name, value, units of measure, abnormal flags and normal range.
- The "**Misc Labs**" values cannot be used in physiologic calculations or displayed in graphical plots, but can be shown in flowsheets and summary screens.

At installation time, CliniComp will work with the System Administrator and the Laboratory staff to review the existing list of currently mapped lab results/units of measure and make any necessary revisions.

Whenever a unit of measure changes in the lab for a given lab result, then the site should notify their CliniComp configuration person so that the Lab Interface mapping can be updated. Until then, the lab result will display, but in the "Misc Labs" section.

The screen shot below gives an example of an "MPV" inbound lab result which was not mapped in Essentris and therefore created a new row in the "Misc Labs" section (hovering the mouse on the value's cell displays the abnormal flags and normal ranges) (SZ4609).



| 2008 | ADMIT DATA | 3 Oct 1830 | 3 Oct 2030 | 4 Oct 0700 | 5 Oct 0700 | 22 Oct 1740 |
|---|---|---|---|---|---|---|
| Hgb.cbc | | 11.3 | | | | |
| Hct.cbc | | 32.4 | | | | |
| PLATELETC.cbc | | | | | | |
| MCV.cbc | | 94 | | | | |
| RBC.cbc | | 3.45 | | | | |
| MCH.cbc | | 33 | | | | |
| RDW.cbc | | | | | | |
| Na.electro | | | | | | |
| RPR (VDRL) | NR | | | | | |
| Rubella | NonImm | | | | | |
| HBSAg | Neg | | | | | |
| CBC | | | | | | |
| WBC | | 10.3 | | | | |
| Hgb | | 11.3 | | | | |
| Hct | | 32.4 | | | | |
| MCV | | 94 | | | | |
| RBC | | 3.45 | | | | |
| MCH | | 33 | | | | |
| MCHC | | 35 | | | | |
| pHv | | | | | | |
| CHEMISTRY | | | | | | |
| FS Gluc | | | | n/a | n/a | |
| CHEMISTRY | | | | | | |
| Gluc | | | 75 | | | |
| Transcut | | | | | | |
| Misc Labs | | | | | | |
| MPV | | 11 | | | | |

Show Summary Grid

Hgb.cbc (Gm/dl)
Hct.cbc
PLATELETC.cbc (/mm3)
MCV.cbc (u3)
RBC.cbc (M/mm3)
MCH.cbc (mcg)
RDW.cbc
Na.electro (mEq/l)
RPR (VDRL)
Rubella
HBSAg

WBC (/mm3)
Hgb (Gm/dl)
Hct
MCV (u3)
RBC (M/mm3)
MCH (mcg)
MCHC (%)
pHv

FS Gluc

Gluc (mg/dl)
Transcut (mg/dl)

MPV (u3)

# Hardware Interfaces

### Bear Ventilator Interface

Essentris now interfaces with the **Bear Cub 750 Infant Ventilator** bedside monitor. Contact Clinicomp's Application Support Group to setup a Device Parameter worksheet.
(SZ4586, Requested by Lourdes Health System)

### Arrow Balloon Pump Interface

Essentris now interfaces with the **Arrow Balloon Pump** physiological monitor. Contact CliniComp's Application Support Group to set up Device Parameter worksheet.
(SZ5240, Requested by Veteran's Administration, Dallas).

# FMRD

### Enhancements to Fetal Alarms

The high- and low-alarm settings for tachycardia and bradychardia are restored to the default values when a patient is transferred or discharged from a bed. (SZ5921)

# Notes

### Care Plan Label Is Configurable

In the notes menu, the name of the **Care Plan** label is configurable. The default label is *IPOC* (Interdisciplinary Plan of Care). Contact CliniComp's Applications Support Group to change the label.
(SZ3434, Requested by Madigan Army Medical Center)

### Opening Large Notes

Large notes have been modified to open smoothly for patients with long hospital visits.
(SZ3619, Reported by Walter Reed Medical Center)

### Icons Moved

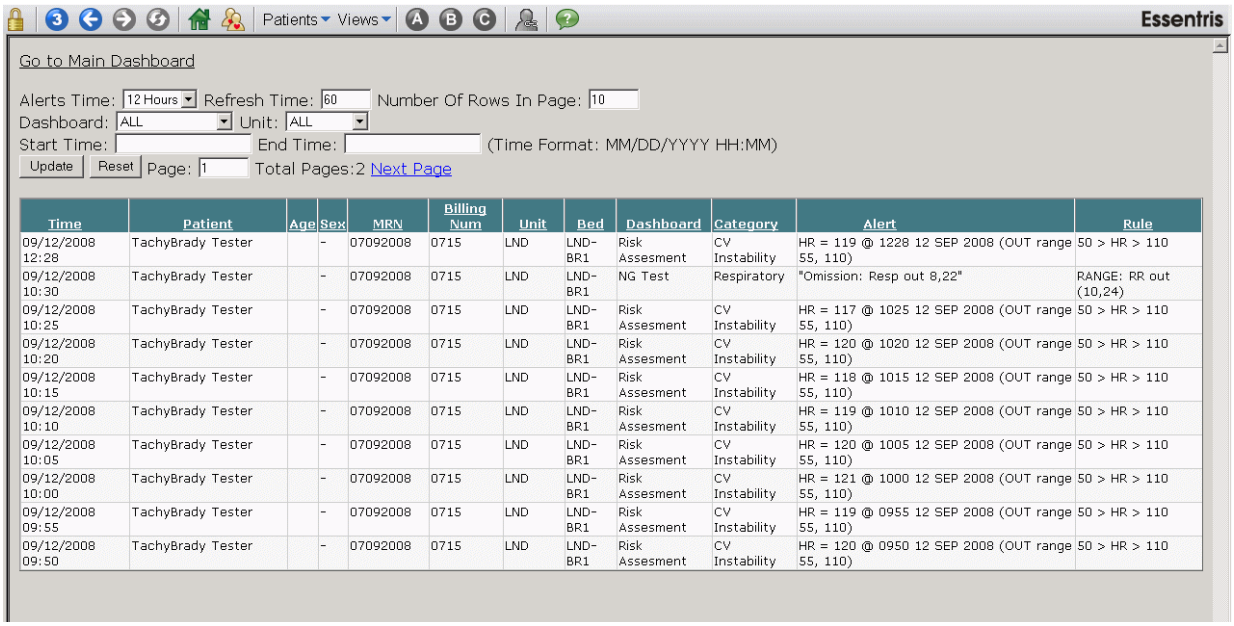
The **Care Plan** icons have been moved from the side of the notes page to the top of the page with the new icons. (SZ5419)

# OnWatch

### Improved Alert History Display

The *Alert History* screen in **OnWatch** displays in a page-by-page format. The *Alert History* has been enhanced to display a configured number of rows per page. The default number of rows is 20. When the *Alert History* screen opens, alerts are sorted by row ID. The *Alert History* is displayed in real time, therefore alerts might display on more than one page or be removed from a page depending on the column used to sort the alerts. The **Prev** and **Next** buttons are added to view the previous and next pages. There is also a *Page* box in which a page number can be entered, and the page is displayed

when the **Update** button is clicked. Contact CliniComp's Application Support Group to configure the number of rows per page. (SZ3744, Requested by Sharp Memorial)




| Time | Patient | Age | Sex | MRN | Billing Num | Unit | Bed | Dashboard | Category | Alert | Rule |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/12/2008 12:28 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 119 @ 1228 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:30 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | NG Test | Respiratory | "Omission: Resp out 8,22" | RANGE: RR out (10,24) |
| 09/12/2008 10:25 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 117 @ 1025 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:20 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 120 @ 1020 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:15 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 118 @ 1015 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:10 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 119 @ 1010 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:05 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 120 @ 1005 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 10:00 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 121 @ 1000 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 09:55 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 119 @ 0955 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |
| 09/12/2008 09:50 | TachyBrady Tester | | - | 07092008 | 0715 | LND | LND-BR1 | Risk Assesment | CV Instability | HR = 120 @ 0950 12 SEP 2008 (OUT range 55, 110) | 50 > HR > 110 |

### Print, Copy, and Paste in OnWatch

To print the **OnWatch** page, use the **Ctrl+p** shortcut keys. To copy selected text, use the **Ctrl+c** shortcut keys. Copied data can be pasted into another application, such as Microsoft Excel.
(SZ3743, Requested by Sharp Memorial Hospital)

### Dashboard Specific Alert History Link

The *Alert History* screen can show a specific dashboard from the **OnWatch** menu.
(SZ3764, Requested by Sharp Memorial)

### Admission Items and Un-timed Notes Trigger Alerts

Alerts can be triggered by items charted at admit time or in un-timed notes. (SZ5388)

## Order Entry

### Tooltip Added to IV Drug Orders

When a new IV Drug order is created, a tooltip displays *Default Order* when the cursor is over any of the fields **Drug Name**, **Amount**, **Dose**, or **Concentration**. (SZ3314)

### Optimizing Startup Time

The Order Entry software was modified to optimize the startup time for patients with a large number of orders. (SZ5105)

# Patient Control

## Find Patient Columns Are Configurable

The columns in the *Find Patient view* display Unit Name and Bed Name. Six additional columns can be configured to display other patient data, such as Patient Name, Patient Social Security Number, Age, Admit Date, Birth Date and Responsible Staff Member. Contact CliniComp's Application Support Group to configure the *Find Patient view*. (SZ3735, Requested by Sharp Memorial)

## Unlimited Items in Menus

In Essentris, an unlimited number of menu items can be configured to display in the Patient Control menus, such as Flowsheets, Summary Screens and OnWatch. Contact CliniComp's Application Support Group to configure the Patient Control menus. (SZ3760)

## Admit Date in Patient Header

The admit date in the patient header can be configured to show the Date of Admission instead of the date the record was created in Essentris. (SZ4862)

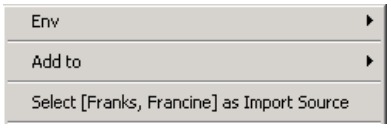
## New Import Data Features

Two new features have been added to the **Import Data** application.

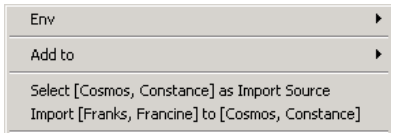
### *Optional Data Import*

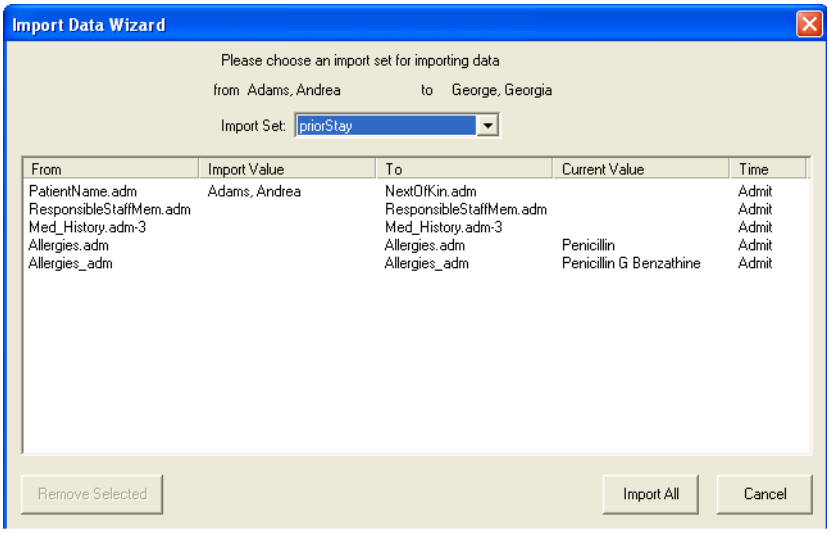
This is an additional **Import Data** option that can import data from a selected source patient to a selected destination patient. Use the following steps for this option.

1. Select a patient as the import source and right-click on the patient to open the shortcut menu.




2. Select the menu item **Select [source-patient-name] as Import Source**.
3. Select the patient for the import destination and right-click on the patient to open the shortcut menu.
4. Select the menu item **Import [source-patient-name] to [destination-patient name]**. The *Import Data Wizard* dialog box opens.






5. Select the data to be imported:
   - Select an import set from the choicelist box.
   - Select one or more items from the data-item display window. Use the **Shift** key to select a continuous group of items, use the **Ctrl** key to select multiple items individually, or click the **Import All** button to include all items.
   - Use the **Remove Selected** button to remove one or more data items from a set and then click the **Import All** button. (SZ4494)

### *Import Allergies for Order Entry from Previous Stays*

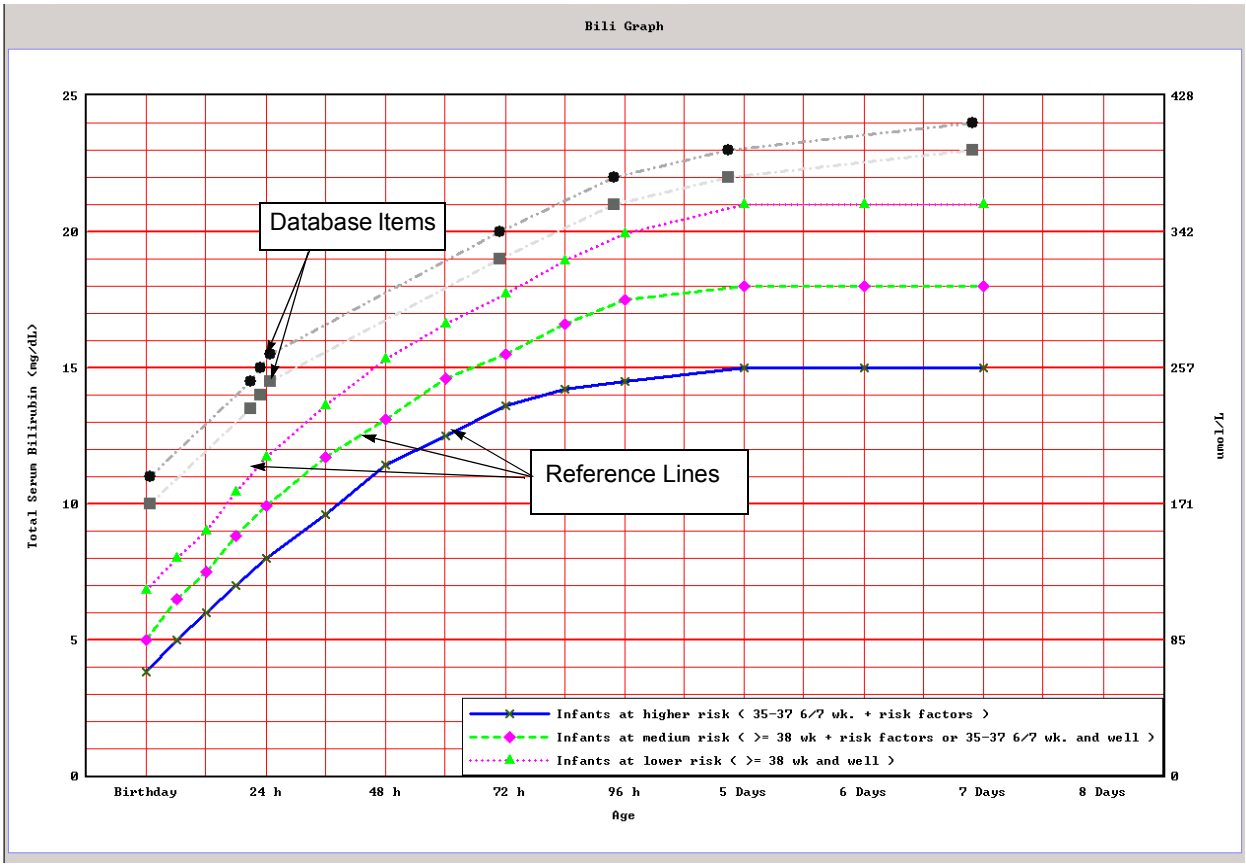
The **Import Data** function can import Allergies for Order Entry from a patient's previous stay. The allergies populate the Patient Control header and any note that contains an allergy field.

Contact CliniComp's Application Support Group to add allergies to patient import. (SZ2887)

# Plots

## Bilirubin Graph (Bili Graph)

The **Bili Graph** displays information related to hyperbilirubinemia in newborns. It is a new plot that can be configured as a menu item in the **IPlots** menu. The Bili Graph is also available in **WebXT**.




### Reference Lines

The Bili graph includes three reference lines that define a newborn's high, medium, and low risk values over a number of days immediately following birth. Data for the reference lines is supplied by the American Academy of Pediatrics.

### Database Items

In the Bili Graph shown above, two Bilirubin database items are plotted on the graph and use the vertical scales on the left and right sides of the graph. Any two data items can be plotted. The scales in the above example are labelled **Total Serum Bilirubin (mg/dL)** and **umo l/L.**

***Note:*** The Bili Graph is *not* saved in the patient record.

This feature is enabled for all nursery and NICU units when it is installed. Contact CliniComp's Application Support Group to change the configuration of this feature. (SZ4488, SZ4959, SZ5565)

# Reports

## Auto Printing of Chart Sets

The number of reports in an automatic chart set has been increased from 50 to 100. 100 reports is the default. (SZ5086, Requested by Tripler Army Medical Center)

# Status Board

## Word Wrapping Added on Status Boards

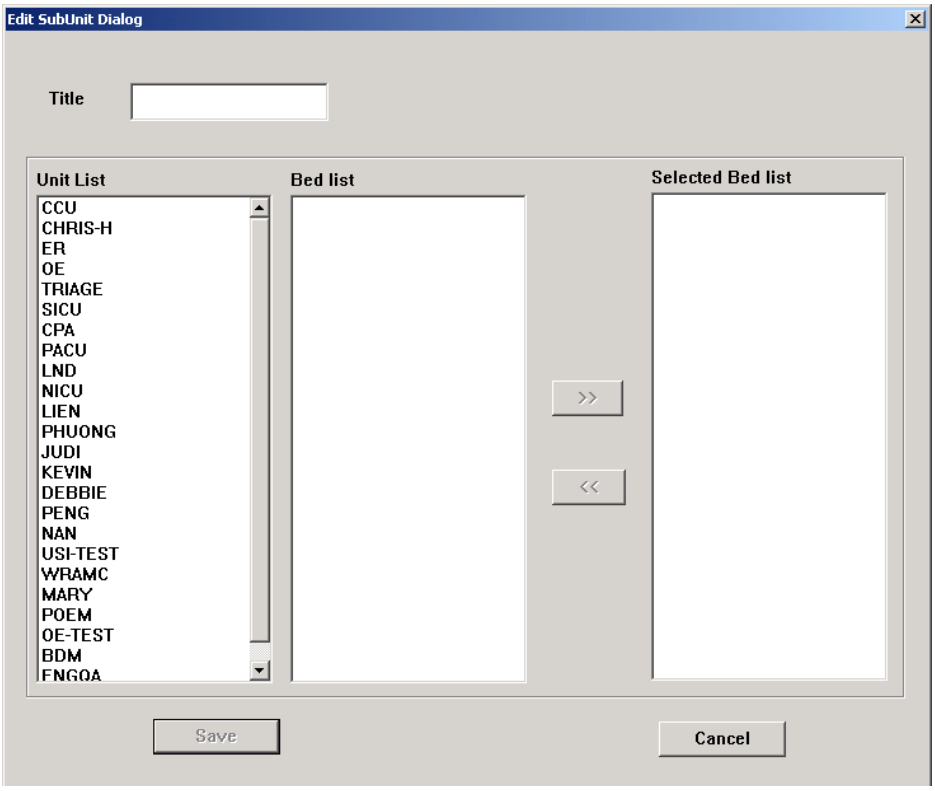
Status Boards can be configured to wrap long lines of data in a column. The following limits can be configured to site specifications:

- The maximum number rows that the column or name can use.
- The maximum width of the display that the column or name can use.

Contact CliniComp's Application Support Group to enable this feature. (SZ2849)

## SubUnits for Status Board

Status Boards can use SubUnits to display beds from different units. SubUnits can be created, edited, saved, and deleted in the *Edit SubUnit Dialog* screen by any user with the **109: Edit SubUnit** permission. SubUnits must be deleted to remove them from the Status Board environment.



### *Adding a New SubUnit*

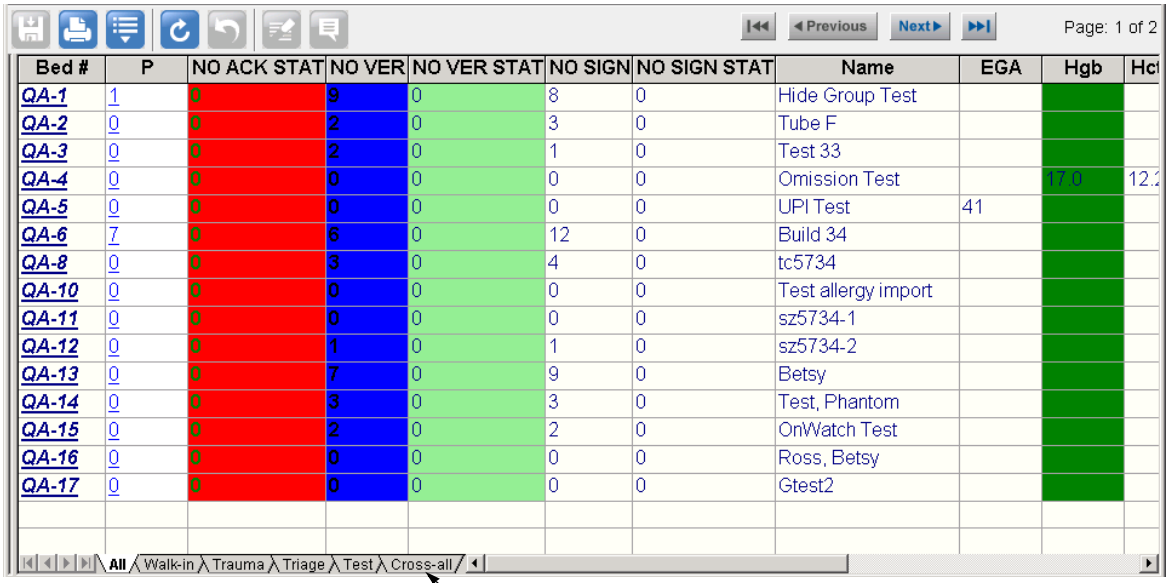
1. To add a new SubUnit, right-click on any tab at the bottom of the *Status Board* screen, and select **Add** from the pop-up menu. The *Edit SubUnit Dialog* screen opens listing all units.

***Note:*** A new SubUnit uses the configured columns from the open Status Board, regardless of the units opened in step 3.

2. Enter a unique Tab name in the **Title** text box.
3. Select the unit from the **Unit List** that contains the beds to be included in the SubUnit. The list of beds in the unit displays in the **Bed list** display box.
4. Select one or more beds. Multiple beds are selected holding down the **Shift** key to select beds as a continuous group, or holding down the **Ctrl** key to select multiple beds individually.
5. Click the right-arrow button to the right of the **Bed list** display box to add the selected beds to the **Selected Bed list** display box.
6. Repeat steps 3 through 5 to add beds from other units, or go to step 7.
7. Click the **Save** button and enter a User Name and Password to create the SubUnit tab at the bottom of the *Status Board* screen.

### *The Cross-All Tab*

The **Cross-All** tab is created automatically when the first SubUnit is created. Click the tab to display all beds assigned to all SubUnits.




### *Editing a SubUnit*

1. To edit a SubUnit, right-click on the tab at the bottom of the *Status Board* screen for the SubUnit to be edited, and select **Edit** from the pop-up menu. The *Edit SubUnit Dialog* screen opens.

2. Beds can be added to the SubUnit from other units as described in *Adding a New SubUnit*. Beds can be removed from the SubUnit by selecting beds, as described in *Adding a New SubUnit*, and clicking the left arrow button.
3. When the editing is complete, click the **Save** button to update the SubUnit, and enter a valid User Name and Password.

***Deleting a SubUnit***

To delete a SubUnit, right-click on the tab at the bottom of the *Status Board* screen for the SubUnit to be deleted, and select **Delete** from the pop-up menu. The SubUnit is deleted.

***Note:*** When the **Save** button is clicked or the **Delete** menu item is selected, the user is prompted to enter a User Name and Password.

Use the **All** tab at the bottom of the screen to display all beds in the selected unit. (SZ3776, SZ3795)

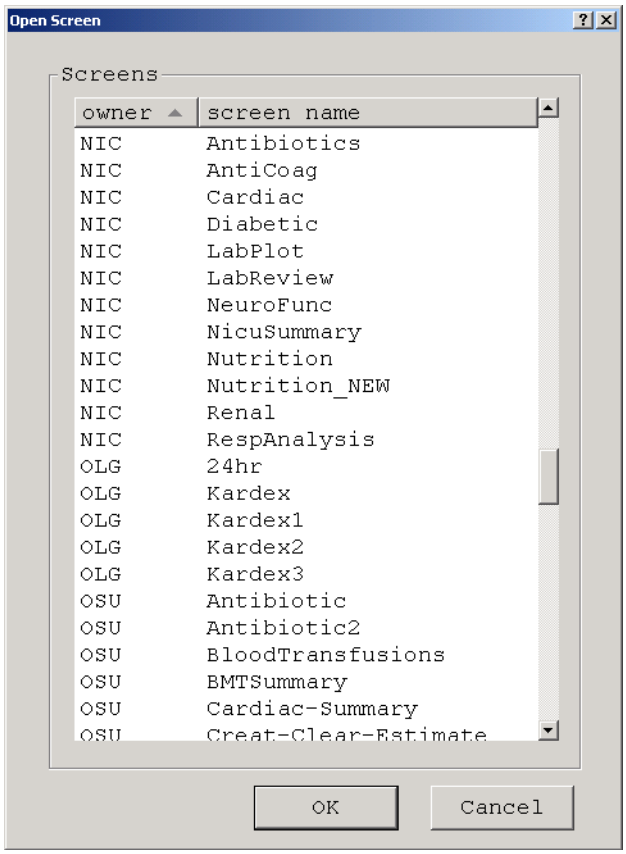
# Summary Screen

## External Orders Display in Medication Reconciliation Screen

External Pending Orders (EPO) now display on the *Medication Reconciliation Screen*. (SZ3707)

## Sorting Columns in the Open Screen

Columns can be sorted In the *Summary* Screens *Open Screen* dialog box. The list of available *Summary* Screens can be sorted by **Owner** or **Screen Name** by clicking the column header. (SZ4802, SZ4983)




# System Interfaces

## HL7 Order Acknowledgment Message

When an order is acknowledged in Essentris, an acknowledgment message can be sent through the HL7 Orders interface. This is an optional new message. Contact Clinicomp's Application Support Group to enable this feature. (SZ3180, Requested by Veteran's Administration, Dallas).

# Tools

## ConfigTools

### *The Client Auto Update Feature*

The ConfigTools client software is now automatically updated with the most current version. When ConfigTools is running on a PC, it checks for newer versions and replaces the current version when a newer version is detected. Beginning with this release, this feature ensures that the most recent client version is installed that is compatible with the currently installed server version. This feature applies to all client and server versions 1.4.5 and later. (SZ5662)

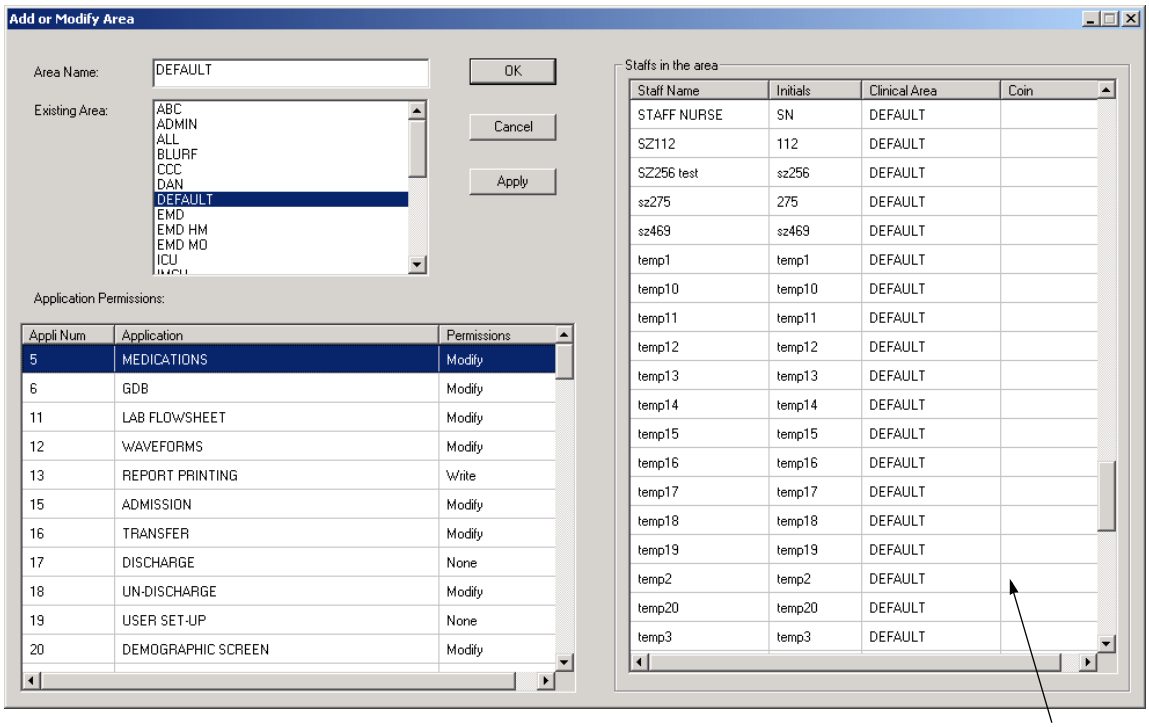
## Staff Configuration Tools

### *Staff Identifiers*

The label for the unique identifier for staff members can be configured in the Staff Configuration Tool to display a site-specified name, such as IEN or COIN. Contact CliniComp's Application Support Group to change the label name. (SZ4252)

### *Update Staff Area Permissions*

A user permission can be updated simultaneously for all members of an assigned Area.




List of staff members in the selected Area

Use the following steps to update users' permissions.

1. From the **Staff** menu, select **Area** to open the *Add or Modify Area* screen.
2. Double-click the area to change from the **Existing Area** list.

3. In the Application Permissions list, click the Permissions drop-down box (right-most column) in line with the Application name for which permissions are to be changed.
4. Click the **Apply** button. The staff member in the selected Area are displayed in the Staffs in Area list.
5. Select staff members in the Staffs in Area list, who are to have the permission change, by using the **Shift** and **Ctrl** keys.
6. Click **OK** to update the area permissions for the selected staff members.

This feature does not require users to change their Passwords. (SZ4995)

# Waveforms Annotations

### Describe Item and Edit History

The edit history for Waveform annotations can be viewed using either **Describe Item** or **View Edit History**. (SZ3880, Requested by Sharp Memorial)

# WebXT

### Annotations Display on Status Board

In WebXT, annotations charted on a Flowsheet can be viewed in the Status Board. To view the annotation, click on the cell containing the annotation, and then click on the **Annotation** button to display the text of the annotation. (SZ3708)

### Auto Refresh Fetal Strips

Fetal strips displayed in WebXT automatically refresh as new data arrives when the user clicks on the **AutoRefresh** button. The refresh rate is the same as used in Essentris. Automatic refresh occurs whenever new data is entered in Essentris for the patient. AutoRefresh terminates when the user clicks on the **Stop AutoRefresh** button, or exits the Fetal application. (SZ4556)

# Site-Specific Resolved Issues

The following issues were resolved for the indicated sites.

## Flowsheets

### Stop Row Schedule Markers Do Not Display

Schedule markers continued to display in the Flowsheet after an order was DCed. The issue was resolved by modifying the code to *not* display schedule markers after the DC time.
(SZ4717, Reported by National Naval Medical Center)

### Adding a New Order from a Flowsheet

The user could not add a new order from a Flowsheet when Order Entry was configured as part of the integrated charting. The issue was resolved by modifying the software to enable orders to be entered from the Flowsheet without opening the Order Entry window. (SZ4527, Reported by Portneuf Medical Center)

### Displaying Schedule Markers

Schedule markers for medications did not display when the schedule was reset and medications were scheduled on the half hour. The issue was resolved by modifying the Flowsheet software to prevent resetting the schedule for medications to any time other than on the hour.
(SZ4880, Reported by National Naval Medical Center)

## GDR

### ADT History in the GDR

The ADT interface generated multiple HL7 messages for the same transaction; for example, pre-admission, ICU admission. When two identical transactions are sent at the same time, the GDR can process only one transaction at a time, causing a timing issue for reporting on patient transfers and census. The timing condition caused a delay between when Essentris stored the ADT history and when the GDR processed the record. The issue was resolved by retrieving the ADT History in a batch process and inserting the records into the GDR table. (SZ4845, Reported by UCLA Medical Center)

### Staff ID Table Added to GDR

Previously, the staff table in the GDR contained a unique file for each user, which caused issues when reporting on staff with changed names (for example, maiden name to married name), as there was no link between the two names. A new table, for active and inactive users, has been added to the GDR that contains a historical reference to each user for reporting purposes, including name changes.
(SZ5114, Reported by Brooke Army Medical Center)

## Note Template Tool

### Template Change Reverted to Old Version

Note configuration changes were not properly storing when multiple System Administrators (SAs) were using the Notes Configuration Tool. Specifically, when one SA opened the Note Categories function of the Note Types Editor under Utilities, a copy of all notes were saved locally. If another SA making changes to notes saved prior to the first SA completing changes in Categories, the changes to notes by

the second SA are lost. This problem has been corrected with this Essentris release.
(SZ5883, Reported by Tripler Army Medical Center)

# Order Entry

### Verbal Order Box Is Not Automatically Checked

The **Verbal Order** box was automatically checked when tabbing through the box. The issue was resolved by modifying the Order Entry code to not check a box when using the tab key.
(SZ3804, Reported by Tripler Army Medical Center)