



Siren ePCR User Manual

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Table of Contents

Part I About This Guide	6
Part II Getting Started	7
1 Logging On	7
2 Adding Other Users	9
3 Crew Member Types	10
4 Other Functions on Logon Page	11
5 Changing Logon Information	11
Part III Patient List	13
1 Understanding the Patient List Screen	13
2 Button Selections	14
Part IV Understanding Siren Field User Layout	16
1 Menu Button	17
Menu Button Items	18
Adding Attachments	20
Renaming Attachments & Adding Comments	23
Opening and Modifying Attached Files	25
Printing Attached Files and Forms	26
Detaching Files	27
2 Information Bar	28
3 Communication Lights	29
4 Connectivity & Version Checks	30
5 SOAP Bar	30
6 Side Navigation Control	31
Part V Entering ePCR Information in Siren Field User	32
1 Numeric Fields	33
2 Date & Time Controls	34
Date & Time Button Selections	35
3 Free Text	36
4 Pick Lists	37
Using the Pick List Search Bar	38
Pick List Button States	40
Adding Additional Details	41
5 Summary Pick Lists	42
Using the Pick Lists Summary Tables	43
6 Long Caption Pick List Control	44

7	Magnetic Swipe Card, Bar Code Reader, & QR Code Reader	47
8	Computer Aided Dispatch (CAD)	48
	CAD Push	49
	CAD List Buttons	50
	CAD Pull	51
	CAD Reconciliation	51
9	Transmitting Defibrillator/Monitor Data	53
	Transmitting from a LIFEPAK 12® or LIFEPAK® 15 Defibrillator/Monitor	55
	Transmitting from a ZOLL M Series®, E Series® & X Series® Defibrillator/Monitor	56
	Transmitting from a Philips HeartStart MRx Defibrillator/Monitor	62
	Transmitting from a corpuls3 Defibrillator/Monitor	63
10	ePCR Transfers	69
	Tablet-To-Tablet Transfers (Transfer Control)	69
	Accepting Transfers	71
Part VI Principle Application Sections		72
1	Incident	74
2	Patient Identification	75
	Patient Lookup	77
3	ABCD	80
4	History	81
5	Vitals	83
	Vital Signs	84
	Editing & Deleting Vital Signs from an Imported Vitals set	87
	Scores	88
	ECG/Monitor	90
	Importing Defibrillator/Monitor Data	91
	Viewing and Adding Defibrillator/Monitor Data	92
	Re-Importing a Patient	93
	Merging/Appending Defibrillator/Monitor Files	94
	ECG Events and Reports	99
	Viewing Waveforms	99
	ECG Interpretation	101
6	Lab Values	104
	Diagnostics	104
7	Assess/Plan	108
	Anatomical	109
8	Outcomes	114
9	Care Plan	115
10	Review	116
	Print Preview Button Selections	117
	Faxing ePCRs	117
	Printing ePCRs	117
	Required Fields	118
	Signatures & Waivers	122
	Finalize an ePCR	123
Part VII Auto ePCR Removal & Retrieval		124

1 About This Guide

This guide provides information related to the functionality and usability of Siren Field User. It is intended for use by mobile health care professionals to capture patient care information when and where it is needed.

2 Getting Started

2.1 Logging On

The first step to creating an ePCR with Siren Field User is to login with a valid System User ID. System User's are registered with Siren Field User and have a valid username and password.



Step 1: Click the Siren Field User icon.
The logon screen will then appear.

The screenshot shows a software window titled "Siren". At the top, there are four input fields: "Unit Number", "Vehicle Type", "Vehicle Number", and "Primary Role of Unit". Below these are "Level of Care of Unit" and "Unit Call Sign" fields. The "Organization" field is pre-filled with "North American ALS Silver". A toolbar with icons for search, add, edit, and delete is visible. Below the toolbar is a table with the following headers: "Crew Type", "Logon Time", "Position", "Last Name", "First Name", "Middle Name", "ID Number", "Registration", and "Crew Role". The table body is empty. At the bottom left, the version number "4.7.2" is displayed. At the bottom right, there are "OK" and "Cancel" buttons.

Step 2: Enter the information in all available fields on the top of the page.
Note: Your screen may display different information for entry based upon your organization's preference.



Step 3: Click the ADD SYSTEM USER button.

The screenshot shows a web form titled "Crew" with two main sections: "Crew Logon" and "Crew Information".

Crew Logon: Contains two text input fields for "User Name" and "Password", and a "Logon" button.

Crew Information: Contains several input fields and dropdown menus:

- "Last Name", "First Name", and "Middle Name" (text input fields)
- "ID Number" and "Registration" (text input fields)
- "Crew Level" and "Crew Role" (dropdown menus with small icons to the right)

Crew Role Details: A section with several buttons for selecting a role:

- Driver / Pilot - Response
- Driver / Pilot - Transport
- Other Patient Caregiver - At Scene
- Other Patient Caregiver - Transport
- Primary Patient Caregiver - At Scene
- Primary Patient Caregiver - Transport
- Other (with a small icon)

At the bottom right of the form are "OK" and "Cancel" buttons.

- Step 4:** Enter a valid Username and Password (password is case sensitive).
- Step 5:** Click LOGON. Your user information will be populated.
- Step 6:** Enter any additional user information under the 'Crew Information' section.
- Step 7:** Click OK.
- Step 8:** Continue to **add** other users and **assign** crew members types.
- Step 9:** Once all users have been added, **click** OK.

By default, all crew members that have been set via the Logon screen will be identified as crew for each ePCR created. Crew lists for individual ePCRs may be adjusted as required.

2.2 Adding Other Users



Adding System Users

Paramedical staff who are registered with Siren Field User and have a valid username and password.



Adding Non-System Users

Users who do not have a user account within the Siren system, but are able to provide care to the patient and are able to document treatment details. For example, treatment provided by a medical first responder before paramedics arrive on scene can be entered by a non-system user.

2.3 Crew Member Types



Primary Crew

If only one System User logs on they will be considered the Primary Crew member by default. If two or more system users have logged on, the Primary Crew member can be identified by selecting the crew and clicking this icon. Marking someone as the Primary Crew member identifies them as the primary patient caregiver.



Secondary Crew

When there are multiple crew members, the Secondary Crew member can be identified by selecting the crew and clicking this icon.



Third Crew

When there are multiple crew members, the Third Crew member can be identified by selecting the crew and clicking this icon.



Unspecified Crew

By default, all crew are considered Unspecified Crew members until their position is explicitly identified. This designation is also used if there are more than three crew members. You can also define a previously defined crew position (primary, secondary, third) as unspecified by selecting the crew and clicking this icon.

An unlimited number of system and non-system users can logon to Siren Field User; however, Primary, Secondary and Third Crew members can only be assigned once. An unlimited number of Unspecified Crew members may be identified.

Reminder: *If there is only one logged on System User, they will be automatically set as the Primary Crew member.*

2.4 Other Functions on Logon Page



Edit

Edit the information for any user.



Delete

Delete a user from the current crew list. This prevents the user from being assigned to ePCRs that are created by the current crew.

2.5 Changing Logon Information

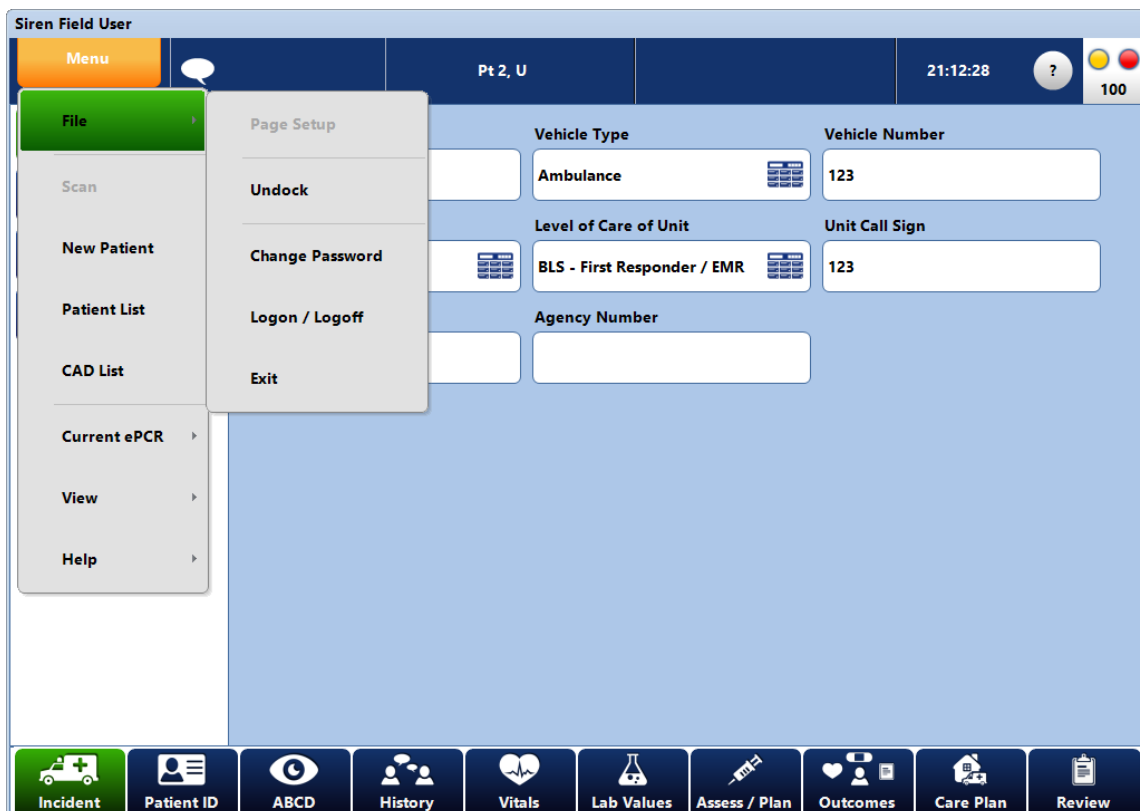
Crew Members who leave or arrive during a shift can logon or logoff.

While an ePCR is open, follow these steps to update the crew:

Step 1: Click MENU.

Step 2: Click FILE.

Step 3: Click LOGON/LOGOFF.



This will bring you back to the logon page where you can make changes to the users.

Siren

Unit Number: 123 | Vehicle Type: Ambulance | Vehicle Number: 123 | Primary Role of Unit: Ground Transport

Level of Care of Unit: BLS - Basic / EMT | Unit Call Sign: 123 | Organization: North American ALS Silver

Crew Type	Logon Time	Position	Last Name	First Name	Middle Name	ID Number	Registration	Crew
	15/08/2016 06:28:41	Primary Crew	Admin	Siren	Admin	ID Admin	111	Drive

4.7.2

OK Cancel

Step 4: Add or change users and assign crew members types.

Step 5: Once all users have been updated, click OK.

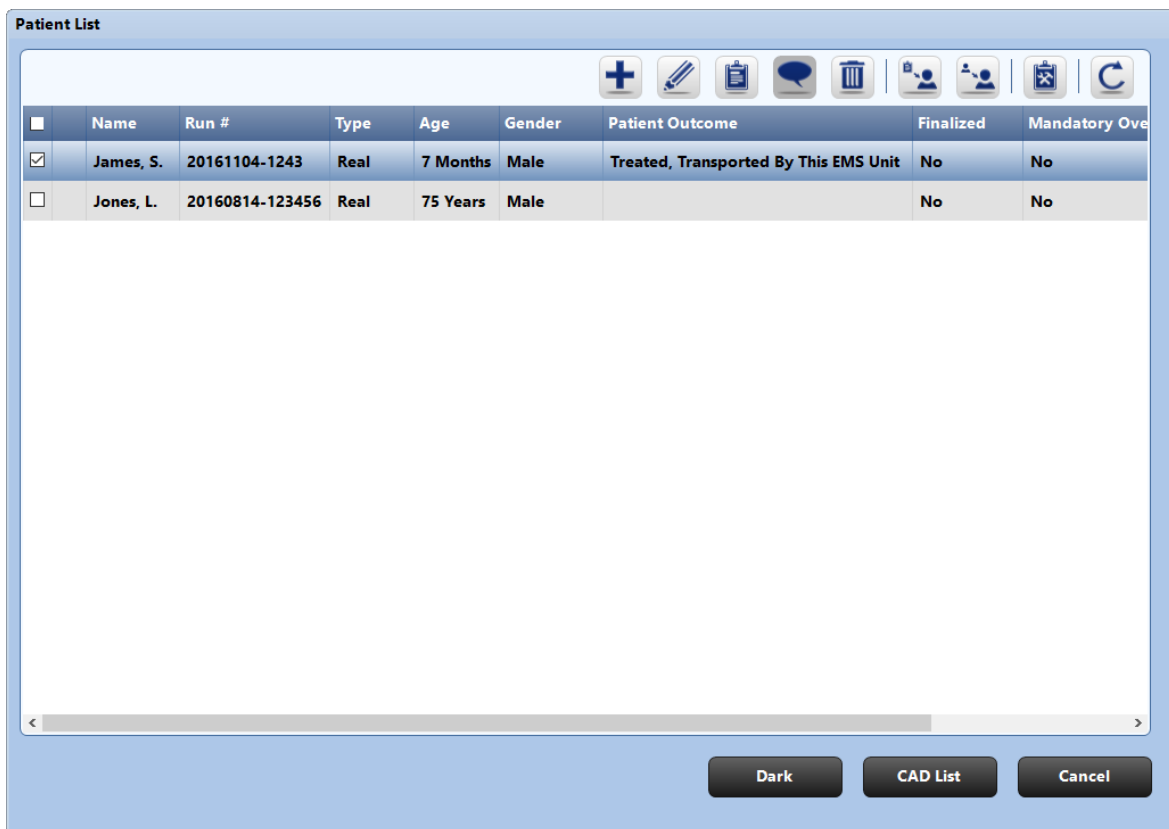
Note: New ePCRs created after these changes will reflect the new crew selections.

3 Patient List

The first screen displayed after logging on is the Patient List screen. It lists current ePCRs associated with the logged on Crew members. This section can also be accessed by selecting the Menu button.

3.1 Understanding the Patient List Screen

Each record on the Patient List screen displays the name, run number, type of patient (real or practice), age, gender, patient outcome, finalized status, mandatory overrides, and the date and time that the ePCR was created.



<input type="checkbox"/>	Name	Run #	Type	Age	Gender	Patient Outcome	Finalized	Mandatory Over
<input checked="" type="checkbox"/>	James, S.	20161104-1243	Real	7 Months	Male	Treated, Transported By This EMS Unit	No	No
<input type="checkbox"/>	Jones, L.	20160814-123456	Real	75 Years	Male		No	No

3.2 Button Selections

The following buttons are included at the top of the Patient List screen.

**Add**

Create a new ePCR.

**Edit**

Edit or enter data within an existing ePCR.

**View**

View the ePCR Report.

**Comments**

View comments associated with ePCRs that have been sent back to the Primary Crew member.

**Delete**

Delete an ePCR. This removes the ePCR from this instance of Siren Field User; not from the Siren system.

**Request ePCR**

Request a deleted ePCR be sent back to the tablet. This can only be done with unfinalized ePCRs associated with the requesting User.

**Transfer ePCR**

For the System User to transfer an ePCR to another System User. This can only be performed with unfinalized records.

**Practice**

Create a practice ePCR; thereby, differentiating the ePCR from records pertaining to real patients.

**Refresh**

Refresh the Patient List screen.

Note: The screen automatically refreshes when returning from ePCR edits. You can manually refresh the view if you have not been navigating to other areas of the application for long periods of time.

Dark

Darken the screen to eliminate glare, and provide privacy when in public spaces.

CAD List

View calls that have been downloaded from CAD.

Cancel

Return from the Patient List screen to the open ePCR.

4 Understanding Siren Field User Layout

This section of the User Guide provides a tour of Siren Field User. It begins with a description of the major screen components, followed by details concerning the functions available within each component.

The major screen components are shown below.

The screenshot displays the Siren Field User interface. At the top, there is a header bar with a 'Menu' button, a patient name 'Jones, L., 75 Y, M', and a time '21:18:36'. Below the header, there is a sidebar with four menu items: 'Vehicle / Crew', 'Incident', 'Times / Details', and 'Incident Outcomes'. The main area contains a form with the following fields:

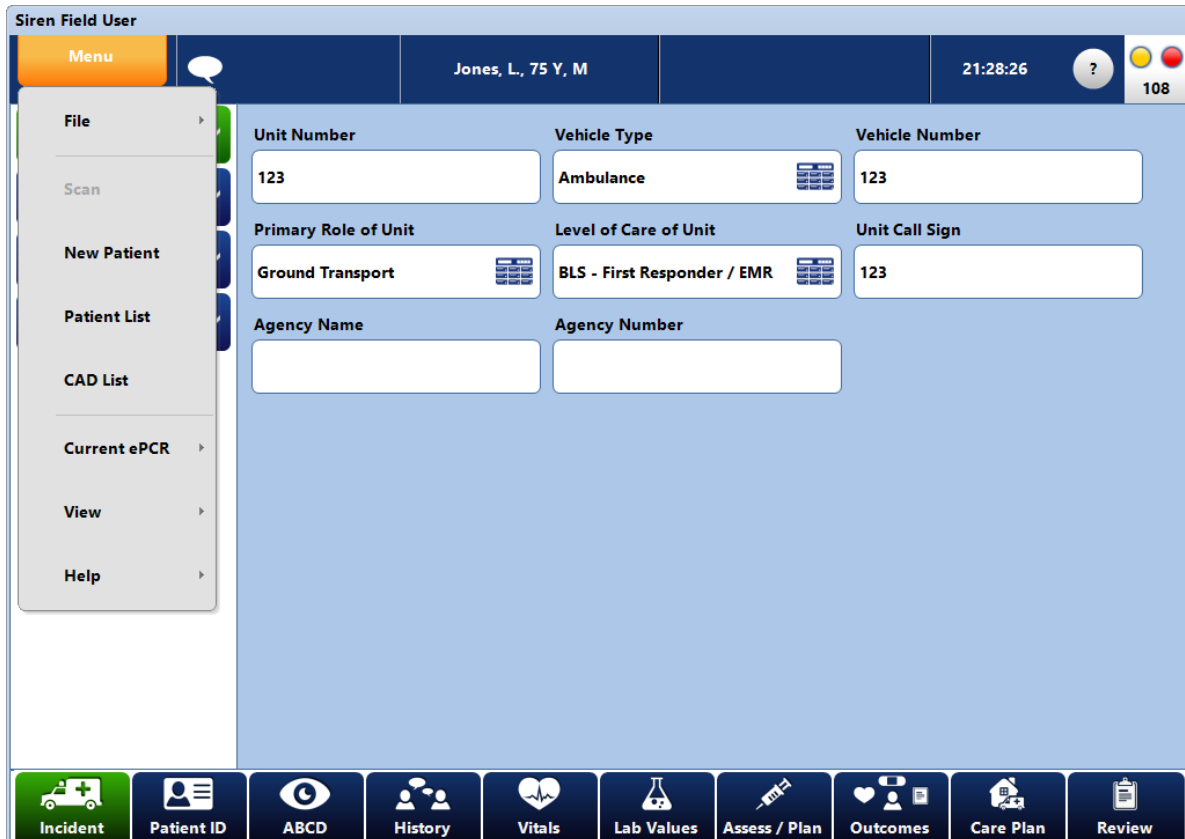
Unit Number	Vehicle Type	Vehicle Number
123	Ambulance	123
Primary Role of Unit	Level of Care of Unit	Unit Call Sign
Ground Transport	BLS - First Responder / EMR	123
Agency Name	Agency Number	

At the bottom of the screen, there is a navigation bar with ten icons and labels: Incident, Patient ID, ABCD, History, Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan, and Review.

Note: Due to differing customer needs, there is some variation in configuration. Buttons may have different names however, the type of information gathered in each section does not change.

4.1 Menu Button

Selecting the Menu button expands to show a list of options.



4.1.1 Menu Button Items

File > Undock

This option is used with older type docking stations that do not automatically handle disconnections from Windows. It is not needed for new hardware.

File > Change Password

When configured 'on', this option allows you to perform a password reset.

File > Logon/Logoff

If you leave or arrive during a shift you can logon or logoff by selecting the Logon/Logoff option. New ePCRs created after these changes will reflect the new crew selections. For example, ePCRs created while the crew member was logged on will default to them being listed as a crew member, while those ePCRs created after a crew member logs off will not list that individual as a crew member.

File > Exit

Selecting this option closes the Siren Field User application for all users.

Scan

Used when swiping/scanning cards such as a Health Card or Driver's License.

New Patient

To create a new ePCR.

Patient List

To go back to the Patient List screen.

CAD List

To display CAD calls that have been forwarded to the crew based upon Unit ID.

Current ePCR > Comments

To enter free text information about the patient in the current ePCR.

Current ePCR > Attach/Detach

To attach documents or photos to the ePCR.

Current ePCR > View Transfer Comments

Displays comments entered when a Web User sends an ePCR to the primary crew member.

Current ePCR > Switch to Practice ePCR

Turns the current ePCR into a practice ePCR.

View > Dark Screen

To darken the screen to eliminate distraction and increase privacy when driving or in public spaces.

Help > About Siren ePCR

To view information about the current version of Siren software.

4.1.2 Adding Attachments

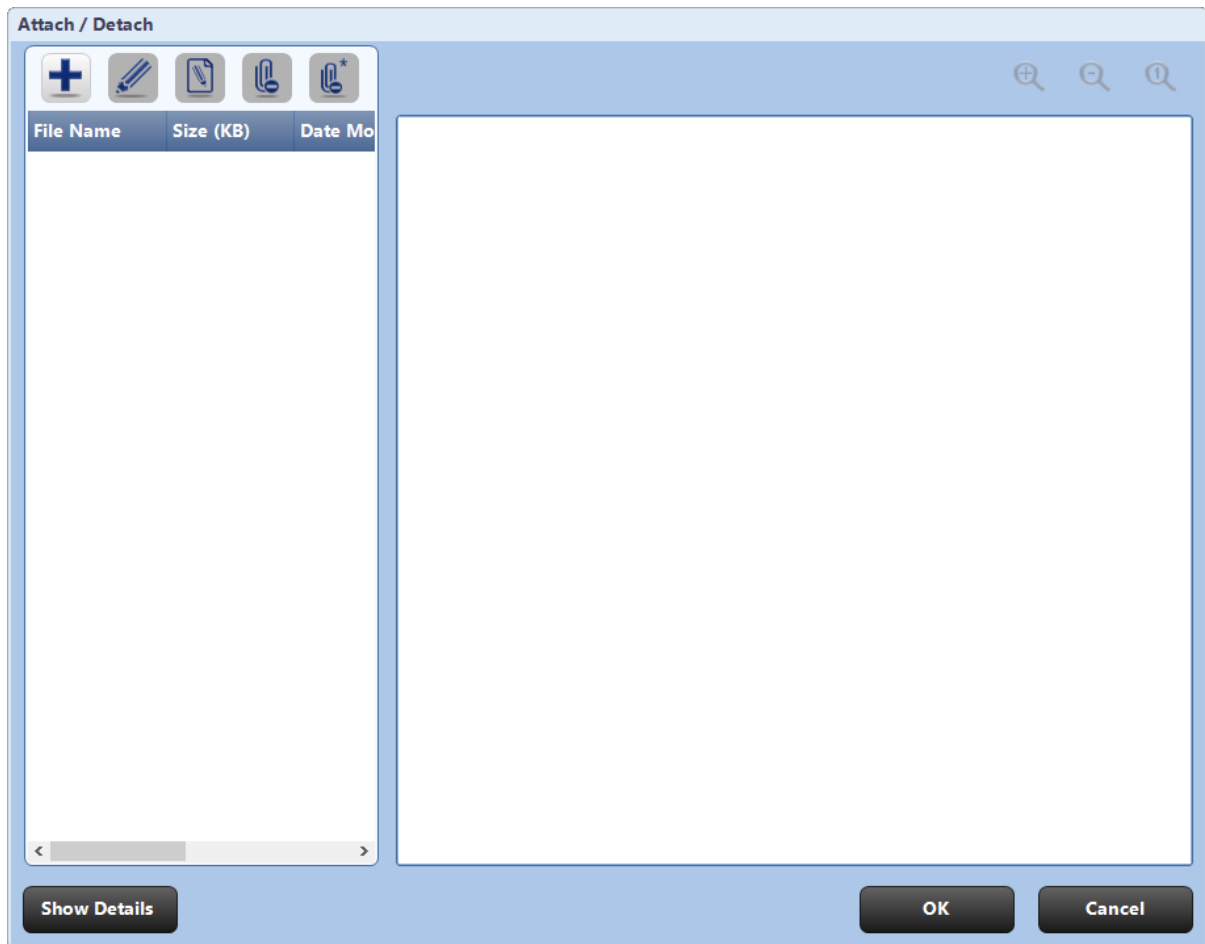
Siren Field User allows you to attach files to an ePCR from the Menu Button options. This file remains attached to the ePCR and is viewable from the tablet PC or the Siren ePCR Server. When attached to an ePCR, any attached documents or photos will not be automatically printed; they must be manually opened and then printed.

The SHOW DETAILS button hides the image preview pane and displays all the comments associated with attached files. You can toggle between the preview and comments at any time.

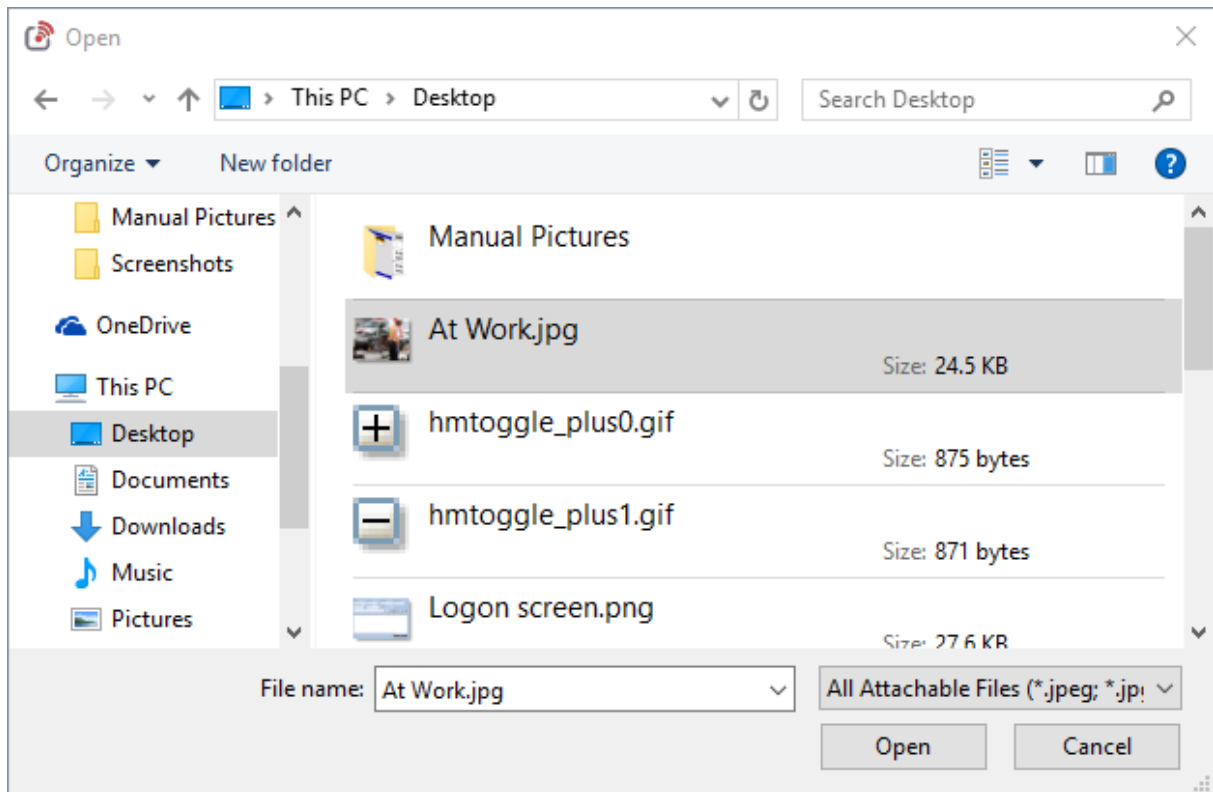
Note: *This section is to be user for general attachments. To attachment diagnostics please see: [Diagnostics](#)⁽¹⁰⁴⁾*

To attach a file to an ePCR:**Step 1:** Click MENU.**Step 2:** Click CURRENT ePCR.**Step 3:** Click ATTACH/DETACH.

The Attach/Detach screen will appear.

**Step 4:** Click the ADD button.

The Browse screen will appear.



Step 5: Find the location of the File and **Select** it.

Step 6: **Click** OPEN.

The file will then be added to the list of ePCR attachments and will now be seen in the Attach / Detach screen.

The attached file will also be listed at the bottom of the printed ePCR.



Step 7: Click OK.

4.1.2.1 Renaming Attachments & Adding Comments

You can add comments to attachments however, it is optional.

To change the name, document the kind of file or add comments:

Step 1: Click MENU.

Step 2: Click CURRENT ePCR.

Step 3: Click ATTACH/DETACH.

The Attach/Detach screen will appear.

Step 4: Select one of the attachments listed.



Step 5: Click EDIT.

The Attachment Details screen will appear.

Step 6: Enter the new name and/or Enter a comment.

Attachment Details | Jones, L., 75 Y, M

File Name

MedusaLogoBG.png

Document Type

Other Audio Recording	Billing Information	Diagnostic Image	DNR/Living Will
ECG/Lab Results	Guardianship/Power of Attorney	Other Healthcare Record	Other
Patient Identification	Patient Refusal Sheet	Other Picture/Graphic	Other Video/Movie

Comments

Previous Item Next Item OK Cancel

Step 7: **Click OK.**

4.1.2.2 Opening and Modifying Attached Files

To open and modify files:

Step 1: Click MENU.

Step 2: Click CURRENT ePCR.

Step 3: Click ATTACH/DETACH.

The Attach/Detach screen will appear.

Step 4: Select one of the attachments listed.



Step 5: Click OPEN FILE button.

The file will open within the application associated with that file type.

Note: Files can only be opened and edited if the accompanying software is installed on the tablet. For example, if the file is a Microsoft® Word file, Microsoft® Word must be installed on the tablet in order to edit the file. A message stating "Required program is not available" is displayed if the software is not installed.

Step 6: Modify the file and then Save the file from the appropriate software (such as Microsoft® Word).

Step 7: Click SAVE.

4.1.2.3 Printing Attached Files and Forms

Files can be printed while open using the software associated with that file type.

To print attached files:

Step 1: Click MENU.

Step 2: Click CURRENT ePCR.

Step 3: Click ATTACH/DETACH.

The Attach / Detach screen will appear.

Step 4: Select one of the attachments listed.



Step 5: Click OPEN FILE button.

The file will open within the application associated with that file type.

Step 6: Print the file from the associated software and then close the file.

This will take you back to Siren Field User Attach/Detach screen.

Step 7: Click SAVE.

4.1.2.4 Detaching Files

Files can be detached from the ePCR.

To detach a file from an ePCR:

Step 1: Click MENU.

Step 2: Click CURRENT ePCR.

Step 3: Click ATTACH/DETACH.

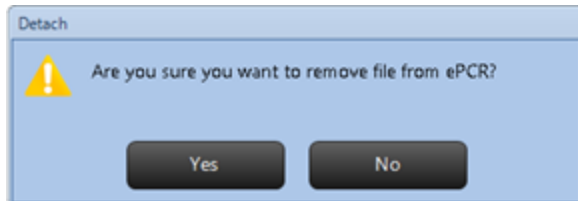
The Attach/Detach screen will appear.

Step 4: Select one of the attachments listed.



Step 5: Click DETACH.


The Detach confirmation screen will appear.



Step 6: Click YES.

Step 7: Click SAVE.



Note: To detach all the files from an ePCR, click  in Step 5 above.

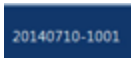
4.2 Information Bar

The information bar provides easy access to key patient identifying information, CAD, and Siren server communications.



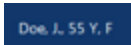
Comments

Click to enter/view additional information about the patient or surroundings.



Incident Number

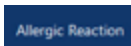
This is populated from Incident Number entered in the Incident section.



Patient ID

Includes the patient's name, age, and gender and is populated from the Patient ID section.

Note: *First and Middle names are displayed on the Information Bar as initials only.*



Chief Complaint

This section displays the patient's Chief Complaint.



Current Time

This section displays the current time on the tablet.



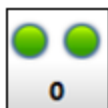
If CAD data has been applied to this ePCR, the circle identifies the number of pieces of CAD data conflicting with manually entered information.

Click this icon to view the CAD Reconciliation screen and resolve the conflicts. If no CAD data has been applied to this ePCR, **click** to view a list of available CAD events.



Communications

Refer to section below.



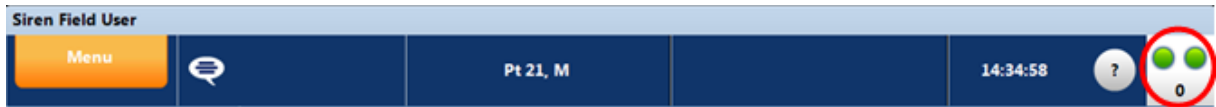
Message Counter

The number below the communication lights is a message counter to indicate the number of unsent message packages queued for the server.

Note: *Message count will increment to 500 with a > symbol to indicate additional unsent messages.*

4.3 Communication Lights

Two lights are located in the top right of the Information Bar as well as in the task menu. The number under the communication lights is the number of messages waiting to be sent to the server.



Data Event Status (Left Light)

Indicates whether data is waiting to be sent to the server.



Yellow left light

Indicates there is data waiting to be sent to the server.



Green left light

Indicates that all data has been sent. 'When the lights are green, the trap is clean' so you should see '0' messages.

Communication Status (Right Light)

Indicates if there is a clear connection to the server.



Yellow right light

Indicates that the tablet is negotiating a connection with the server.



Green right light

Indicates a clear connection to the server.



Red right light

Indicates there is no connection to the server. If there is no communication with the server, there are functions that will no longer be available on the tablets. These include patient lookup, ePCR transfer, CAD import, Siren Notification Board updates and others.

You can still document ePCRs on the tablet. Once communication is reestablished the messages will flow automatically.



Two Green lights-

Indicates the tablet is connected to the server and sending information.

Note: You may continue to enter information into Siren Field User with or without connectivity.

4.4 Connectivity & Version Checks

To prevent upgrades and limited network connectivity from interrupting a medic's access to their unfinalized ePCRs, as well as avoid version conflicts, we have implemented the following strategic checks in Siren:

Network Connectivity Checks

When a network connection is not present, activities requiring a network connection (e.g. Auto ePCR Removal & Retrieval, Transfer via Server) will not be permitted. Related user messaging has been implemented.

Version Checks

In an upgrade scenario, field devices temporarily operate at lower software versions than the server. To prevent version compatibility issues (e.g. a tablet running a lower version of Siren from receiving an ePCR from an upgraded server / tablet), when Siren detects a version difference or is unable to check the server version, it will not permit you to perform operations that are affected by version differences (e.g. Auto ePCR Removal & Retrieval and transfer). Upon launching, Siren Field User, Siren Server, and Siren Web do a check to verify the installed application files have the same version as the database to which they are connected. If there is a mismatch, the Siren component will not start, and a dialogue will inform you of the problem.

Version Details

You can view the version details by clicking Menu > Help > About Siren ePCR.

4.5 SOAP Bar

The SOAP Bar is the buttons at the bottom of the screen that permit you to navigate between the major areas of the software. These buttons are arranged from left to right in logical order for use during assessment and treatment. The major functions associated with each button are described in the "Principle Application Sections" of this document.

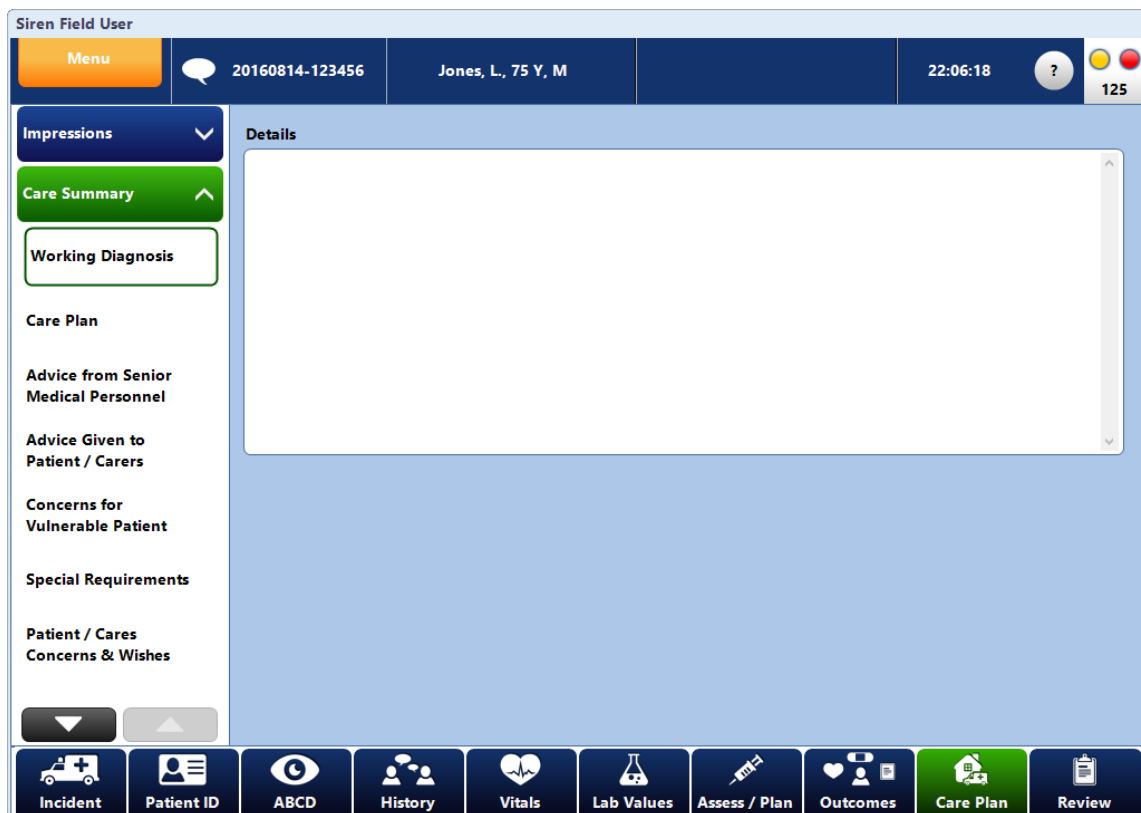


Note: Variations in configuration may have different button names; however, the type of information gathered in each section does not change.

4.6 Side Navigation Control

The Side Navigation Control displays buttons that relate to the SOAP bar button selected. Selecting a SOAP bar button displays related sections (e.g. Care Plan). The buttons displayed in the control can either be stand-alone or accordions which can be expanded to display subsections (e.g. Working Diagnosis, Care Plan etc).

Side navigation remains collapsed by default. To facilitate more efficient application navigation, Siren will remember previous navigations during an individual viewing of the ePCR, but will not automatically expand the navigation control to show the selected item.



5 Entering ePCR Information in Siren Field User

There are several data entry points within Siren. Once you understand the various types of data entry it will make documentation more efficient.

These include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

[Long Caption Pick List](#) ⁽⁴⁴⁾

[Magnetic Swipe Card, Bar Code Reader & QR Code Reader](#) ⁽⁴⁷⁾

[Computer Aided Dispatch \(CAD\)](#) ⁽⁴⁸⁾

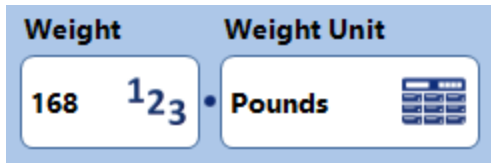
[ECG & Monitor - Universal Defibrillator/Monitor Interface](#) ⁽⁵³⁾

[ePCR Transfers](#) ⁽⁶⁹⁾

**Click link above or proceed to page number listed for more information.*

5.1 Numeric Fields

Numeric fields accept numbers only. These fields are marked with ¹²³ to indicate a numeric value is required. The Weight field in the screenshot below is an example of a numeric field.



The screenshot shows a form with two fields. The first field is labeled "Weight" and contains the number "168". To the right of the number is a small blue icon with the numbers "123" above it, indicating a numeric field. The second field is labeled "Weight Unit" and contains the text "Pounds". To the right of the text is a small blue icon with a grid of options, indicating a dropdown menu.

Tip: Within Vitals, pressing **Enter** in a numeric field will take you from the numeric field of one vital, to the first field of the next vital sign.

5.2 Date & Time Controls

Siren displays a Date/Time control for fields requiring date/time entries. Invalid entries are greyed-out or not included to ensure the integrity of entered data. For example, February 31, 2015 is not a selectable option. Likewise, fields that require a time value to be entered only accept input values that fall within the 24-hour clock. For example, 27:00:00 is not a selectable option.

The screenshot shows a "Date of Birth" control interface. At the top, there are three buttons: "Prior to Arrival", "Unknown", and "Current". Below these, the date "2/19/2015" is displayed. A dropdown menu shows "2015". Below the dropdown are buttons for the months: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec. Below the months is a calendar grid with days of the week (Su, Mo, Tu, We, Th, Fr, Sa) and dates. The date "19" is highlighted in green. At the bottom, there are three buttons: "Clear", "OK", and "Cancel".

5.2.1 Date & Time Button Selections

Siren Field User makes entering date and time information as quick and easy as possible with special date/time data entry tools.



Selecting fields containing this icon, will display the full date control.



Selecting this button, or fields containing this icon, will display the full date/time control. See the screenshot below for the date and time view of this control.



Within forms, this button automatically enters the current date/time without requiring you to navigate to the date/time control.



This button allows you to toggle between the 'date and time' screen to 'time only' (i.e. the calendar portion of the screen is hidden).

Sometimes date and time information for a field may be unknown. The event may have happened before medics were contacted, or it may be occurring at the present moment. To ensure accuracy and ease of entry, date / time popups display the following buttons.

Prior to Arrival

The date and time will be recorded as a text value of "Prior to Arrival".

Current

The date and time will be recorded as the current date and time.

Unknown

The date and time will be recorded as a text value of "Unknown".

5.3 Free Text

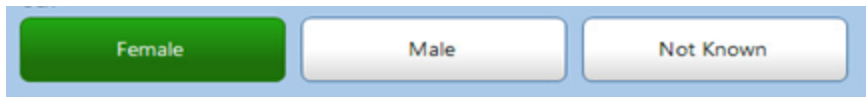
Last Name and First Name fields are examples of free text fields. These fields have no associated pick lists or controls and allow you to manually enter text using a physical keyboard or the virtual on-screen keyboard.

EMS Patient ID	Last Name	First Name
<input type="text"/>	<input type="text" value="Jones"/>	<input type="text" value="L"/>

5.4 Pick Lists

Depending upon the number of items in a list, Siren may display the items on the screen all at once or via a pick list icon.

For fields with a limited number of options, such as Gender that only has three possible selections (Female, Male, Not Known), pick list items are displayed directly on the screen. See the screenshot below:



Siren also has many larger pick lists that cannot be accommodated on the main screen. These include lists of Cities, Countries, Hospitals and Physicians, etc. For pick lists with many items, a pick list icon displays to allow you to access a full list of the options available for that field.





The pick list icon appears adjacent to fields with many items. Selecting the pick list icon opens the window displaying the additional options for that field.






5.4.1 Using the Pick List Search Bar


Within this larger Pick List screen, there is a toolbar allowing you to search or scroll the list of available field items.

 Allows navigation to the beginning of the list or one screen at a time to the left.

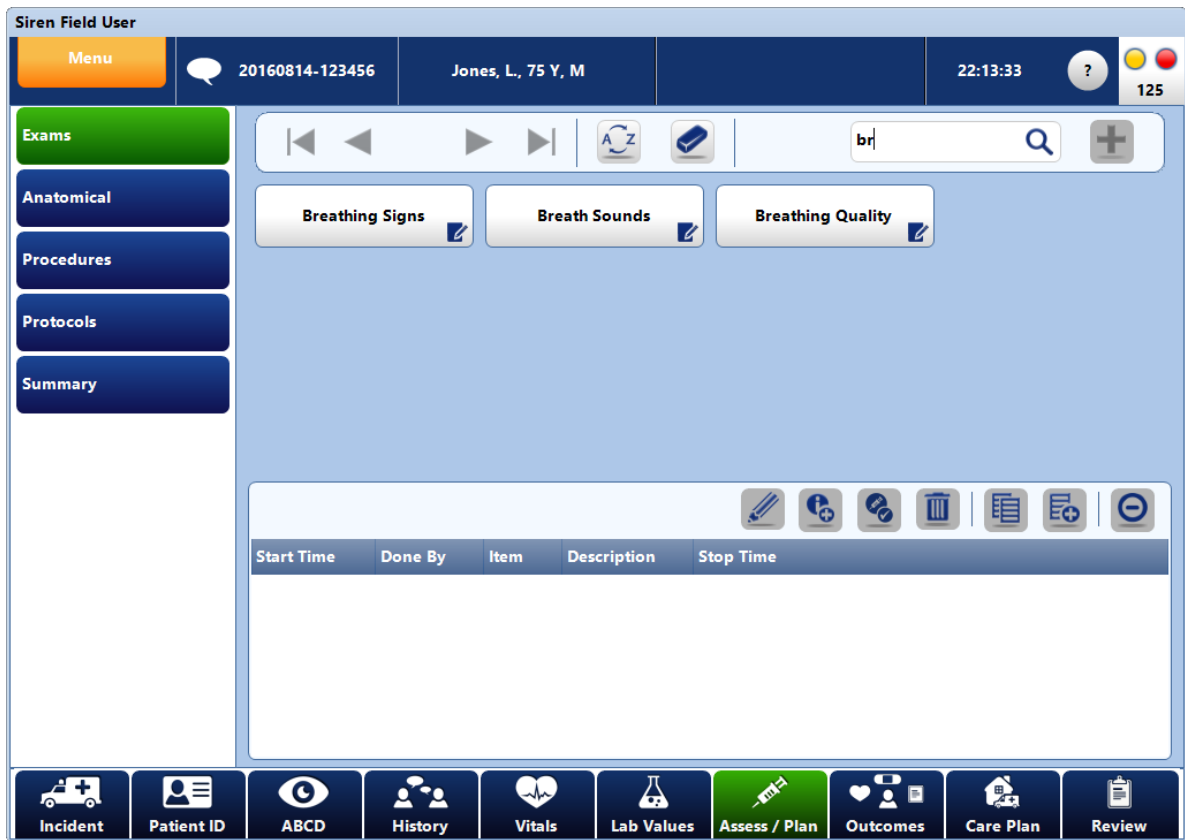
 Allows navigation one screen at a time or to the end of the list to the right.

  Allows alphabetical sorting of items from A-Z and Z-A.

 Allows you to clear search field entries or sorting.

 Allows you to enter free text if the selection you require is not shown.

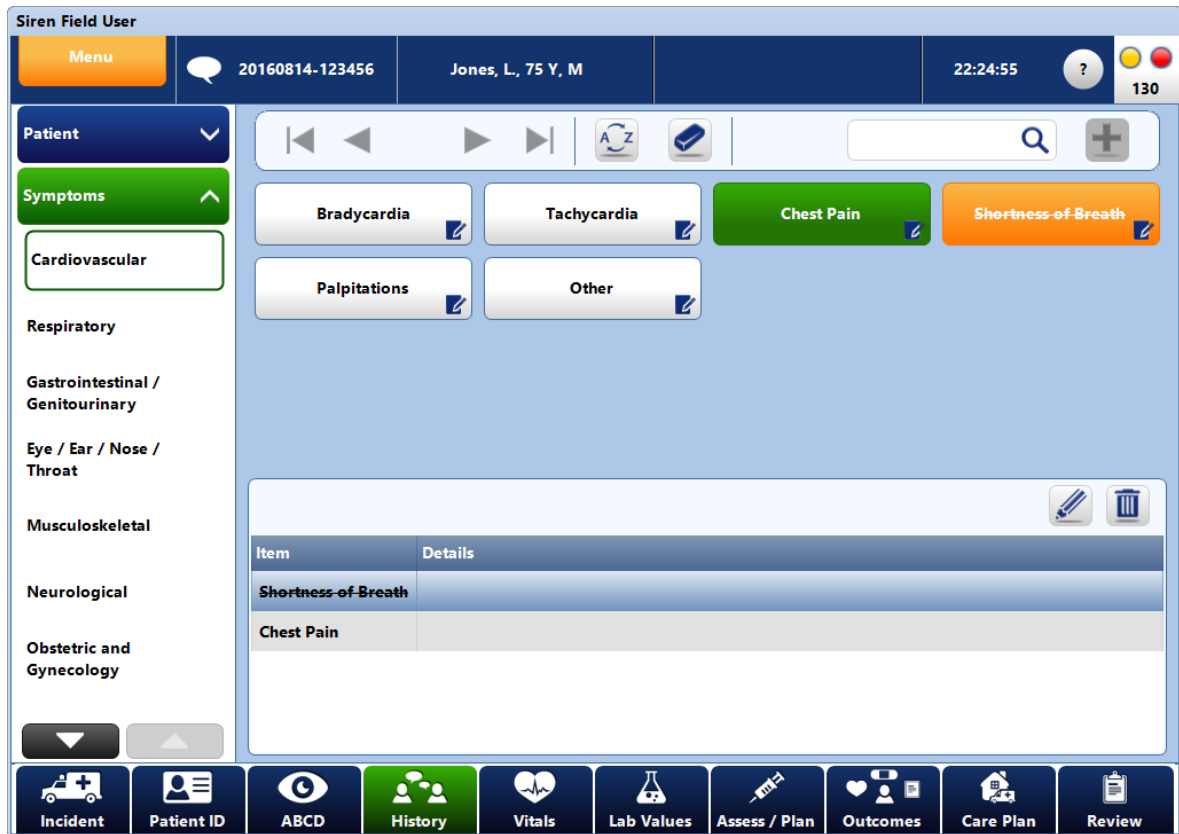
Siren's robust search tool also lets you search for items by entering text. Typing [BR] in the search field yields the following results.



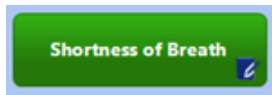
Buttons beginning with the entered text are listed first, followed by buttons containing the search criteria.

5.4.2 Pick List Button States

Siren Field User buttons have multiple states in order to document different types of data. In the screenshot below the major three states are displayed: Unselected, Selected, and Pertinent Negative.



Unselected buttons appear raised and grey, indicating that the data has not been entered for the ePCR.



Pressing the button once causes it to appear in its selected state: pressed down and green, indicates that the data has been recorded.



Pressing the button twice causes it to be in the pertinent negative state: pressed down and orange with a line through the text, indicates that the item was checked and determined not to be present. Pressing the button once more returns it to the unselected state.

Note: Not all buttons can be pertinent negative. Depending on the type of information being documented, it might not be logical for them to be pertinent negative.

5.4.3 Adding Additional Details

Some pick list options can accept additional details. This allows you to document more information.

The following icons will be displayed if the Pick List option can accept additional details:



Indicates additional details can be accepted. To do this, long-press the pick list item.



Indicates additional data is present.

The screenshot displays the Siren Field User interface. At the top, there is a header bar with a 'Menu' button, a patient ID '20160814-123456', patient name 'Jones, L., 75 Y, M', and a time '13:50:36'. Below the header, there are two main sections: 'Primary Survey' and 'Scene Findings'. The 'Scene Findings' section is currently active and contains several pick list options, each with a small icon indicating if it can accept additional details. The options are: 'Barriers to Patient Care' (Cultural, Custom, Religious; Developmentally Impaired; Emotional Distress; Hearing Impaired; Language; None Noted; Obesity; Physical Barrier (Unable to Access Pt)), 'Emergency Info Form' (Yes; No), 'Alcohol / Drug Use Indicators' (Alcohol Containers / Paraphernalia; Drug Paraphernalia at Scene; Known Police / Hospital Record; Patient Admits to Alcohol Use; Patient Admits to Drug Use; Smell of Alcohol on Breath), 'Location Patient Found' (Bathroom; Bed; Ground; Floor; In Water; Other), and 'Scene Findings' (with a dropdown arrow). At the bottom, there is a navigation bar with icons for Incident, Patient ID, ABCD, History, Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan, and Review.

5.5 Summary Pick Lists

Some sections use Summary Pick Lists that permit entering data via pick lists as well as viewing a summary of previously entered information. The image below shows a large pick list in Assess/Plan > Exams. Items (buttons) that are selected are added to the Summary Table below the pick list, along with any details associated with that button.

The screenshot displays the Siren Field User interface. At the top, the user is identified as 'Siren Field User' with a 'Menu' button, a patient ID of '20160814-123456', a name 'Jones, L., 75 Y, M', and a time of '22:11:45'. The interface is divided into a left sidebar and a main content area. The sidebar contains buttons for 'Exams' (highlighted in green), 'Anatomical', 'Procedures', 'Protocols', and 'Summary'. The main content area features a navigation bar with back, forward, and search icons, and a grid of 16 assessment buttons: Airway Signs, Airway Status, AVPU, Breath Sounds, Breathing Quality, Breathing Signs, Delivery Complications, Distal CMS, Estimated Blood Loss, Eye Assessment, Falls Risk Assessment, Fetal Heart Sounds, Generalized Abdominal Assessment, Generalized Back Assessment, Generalized Extremity Assessment, and Headache Assessment. Below the grid is a toolbar with icons for edit, add, delete, and other actions. A summary table is positioned below the toolbar, with columns for 'Start Time', 'Done By', 'Item', 'Description', and 'Stop Time'. At the bottom of the interface is a navigation bar with buttons for 'Incident', 'Patient ID', 'ABCD', 'History', 'Vitals', 'Lab Values', 'Assess / Plan' (highlighted in green), 'Outcomes', 'Care Plan', and 'Review'.

5.5.1 Using the Pick Lists Summary Tables

The Summary Pick List contains a Summary Table at the bottom of the screen. This table displays a list of the selected buttons as well as a summary of details entered via the form associated with each button. For example, selecting Oxygen Therapy in the Assess/Plan section will create a row for that item in summary table.

The summary table toolbar displays different buttons depending on the type of information being captured.



Common buttons include the following:

**Edit**

Edit or add the details of the highlighted item.

**SARC**

Use to enter if procedure was successful, attempts, reasons, response, and any complications.

**Authorization**

Use to document who authorized the procedure.

**Delete**

Highlight the row and select this button to delete the row and all of its details.

**Copy**

Highlight the row and select this button to copy and paste the row.

**New Same Type**

Highlight the row and select this button to copy and paste only the type.

**Reason For Not Entering**

Use to document why information was not entered.

5.6 Long Caption Pick List Control

Areas requiring long labels are outfitted with Long Caption Pick Lists. This is a new control used to capture medications, allergies, medical/surgical history.

The screenshot shows a software interface window titled "Medical / Surgical History". At the top, there are navigation icons (up, down, and a document icon) and a search bar with a magnifying glass icon and a plus sign. Below the search bar is a list of medical conditions. The list is titled "Item" and contains the following entries:

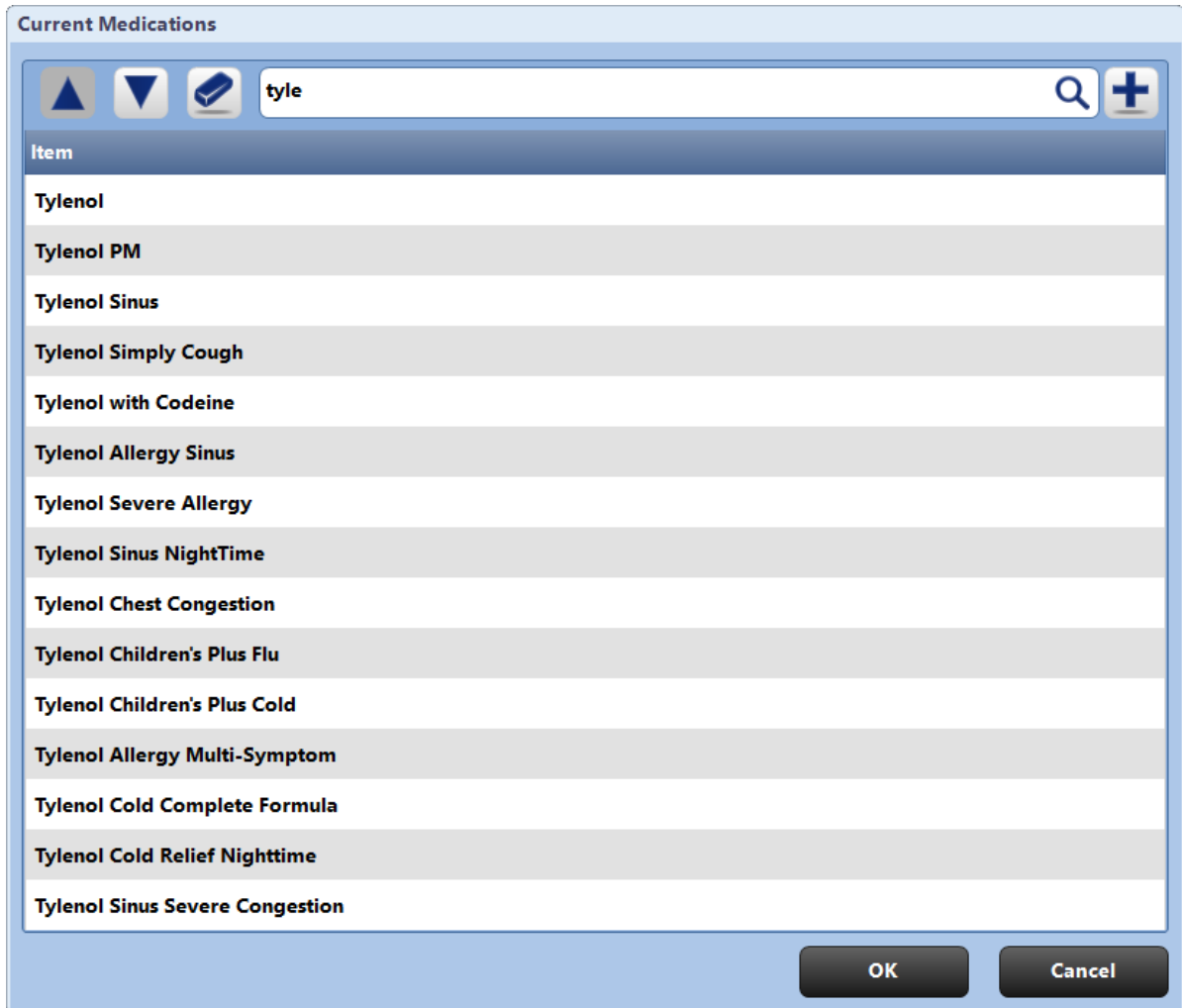
- Abdominal aortic aneurysm, ruptured
- Abdominal aortic aneurysm, without rupture
- Absolute glaucoma, bilateral
- Acute bronchiolitis
- Acute embolism and thrombosis of deep veins of lower extremity
- Acute epiglottitis
- Acute hepatitis A
- Acute hepatitis B
- Acute hepatitis B with delta-agent without hepatic coma
- Acute hepatitis C
- Acute hepatitis E
- Acute ischemic heart disease, unspecified
- Acute kidney failure, unspecified
- Acute monoblastic/monocytic leukemia
- Acute obstructive laryngitis [croup]

At the bottom right of the window, there are two buttons: "OK" and "Cancel".

To use a Long Caption Pick List:

Step 1: **Select** an item by using the navigation tolls. Or use Siren's robust search tool by **typing** text.

Typing [TYLE] in the search field yields the following results shown below.



The screenshot shows a dialog box titled "Current Medications". At the top, there are navigation icons (up, down, and a document icon) and a search field containing the text "tyle". To the right of the search field are a magnifying glass icon and a plus sign icon. Below the search field is a list of medication items, each on a separate line. The items are: Tylenol, Tylenol PM, Tylenol Sinus, Tylenol Simply Cough, Tylenol with Codeine, Tylenol Allergy Sinus, Tylenol Severe Allergy, Tylenol Sinus NightTime, Tylenol Chest Congestion, Tylenol Children's Plus Flu, Tylenol Children's Plus Cold, Tylenol Allergy Multi-Symptom, Tylenol Cold Complete Formula, Tylenol Cold Relief Nighttime, and Tylenol Sinus Severe Congestion. At the bottom of the dialog box, there are two buttons: "OK" and "Cancel".

Step 2: **Click** OK.

Step 3: To enter additional comments, dosage, frequency etc. **Click** on the item in



the summary table to highlight it, then **select** .

Step 4: **Enter** any addition information and **click** OK.

Adding items not Included in the Long Caption Pick List

Items not found in the Long Caption Pick List can be entered manually.

To manually enter an item:

Step 1: At the top of the Long Caption Pick List, **Type** the item you would like to add.



Step 2: If it does not appear in the list **click** ADD button.

Step 3: **Click** OK.

Note: The ADD function is only available in select Long Caption Pick Lists.

Removing Items From the Summary List

If an item is accidentally entered, it can be deleted from the list.

To remove an item from the Summary List:

Step 1: In the Summary List, **Select** the appropriate row to highlight the item you would like removed.

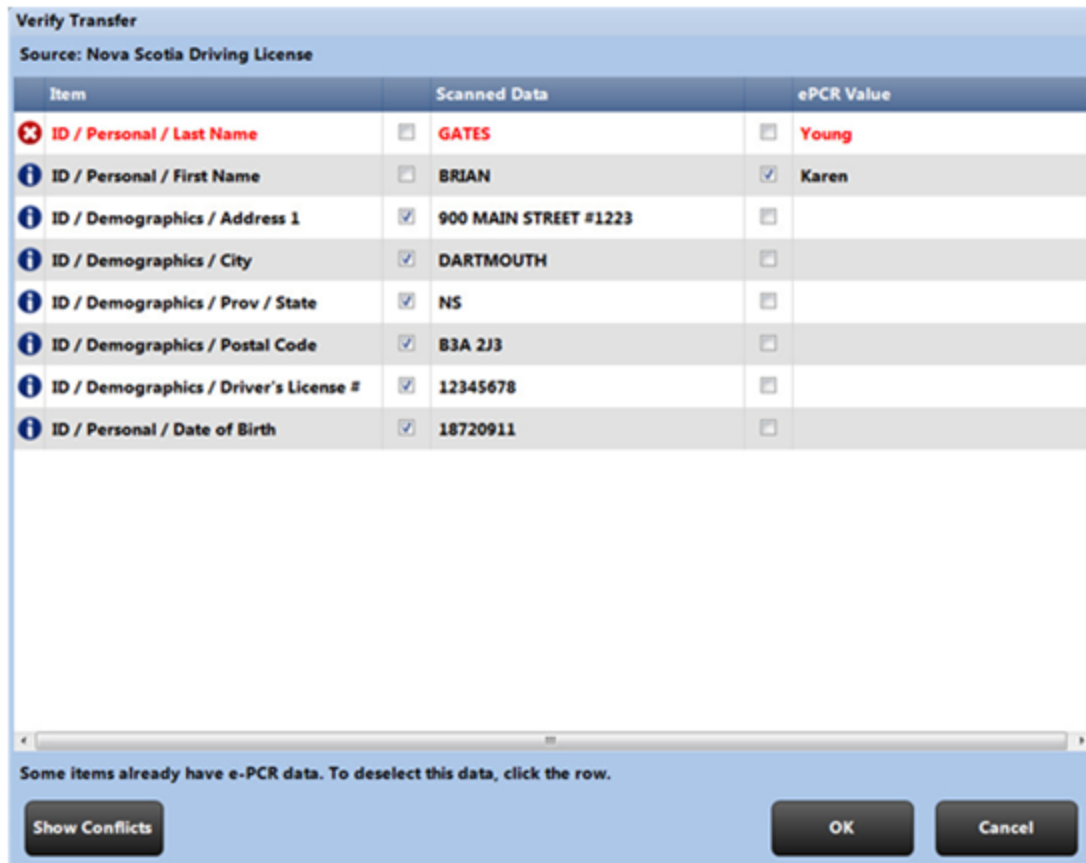


Step 2: **Click** the DELETE icon.

Step 3: **Click** YES to the confirmation message.

5.7 Magnetic Swipe Card, Bar Code Reader, & QR Code Reader

Data can automatically be captured from swipe cards, barcodes, and QR codes. The software can be configured to allow the import of information such as a driver's license #, health card #, ID card #, etc. Siren's Card Reader also supports the capturing of date formatted fields.



Discrepancies are noted on the Verify Transfer screen after the card has been scanned. In the example above, you must choose the First Name and Last Name.

5.8 Computer Aided Dispatch (CAD)

Siren Field User allows the import of CAD information from a third party source to over 150 fields in the ePCR.

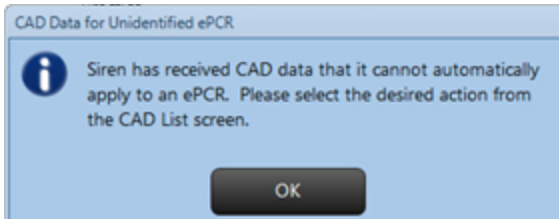
There are two ways to import CAD information into Siren. You can manually request the data by simply keying in an incident number, or have it automatically downloaded to the tablet via a mechanism we refer to as CAD Push. Siren is able to determine which tablet to send the information by a simple check of the unit number.

In order to receive CAD information, the communication lights must be green as this information comes via the server.

5.8.1 CAD Push

When using the CAD Push method, you must be logged on. You can be at any screen within Siren there is no fixed position required. A call will automatically appear on your tablet advising you of the call.

See screenshot below:



To accept the CAD data **click** OK. You will be prompted to either apply this information to an existing call or to a new one. It is possible to create a new ePCR and start documenting a call before the CAD is downloaded. In this case you would choose the option to apply to an existing ePCR. If there has not been a call created, **select** the option Apply New ePCR.



5.8.2 CAD List Buttons

Show All/Show Unused

By default the CAD List screen only shows CAD calls that have not been applied to an ePCR. Select Show All to see all the CAD calls that were sent to that particular tablet during the shift. Select Show Unused to toggle back to only showing CAD calls that have not been applied to an ePCR.

Apply – Existing PCR

To select a particular ePCR to which the CAD information will be applied.

Apply – New PCR

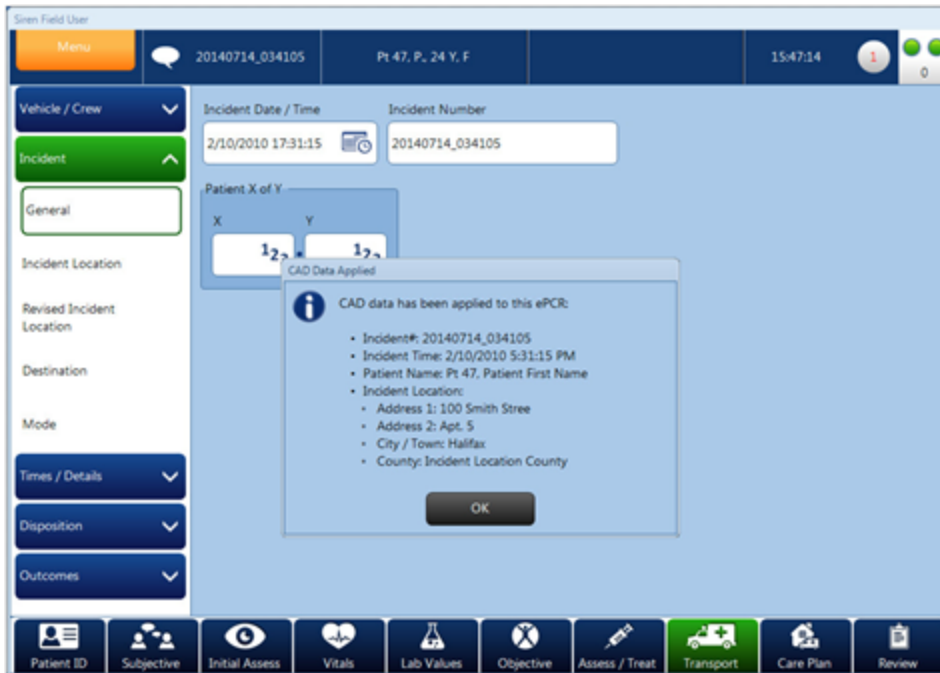
To create a new ePCR and automatically apply the CAD information to that ePCR.

Cancel

Press Cancel to close the dialog without applying the CAD information. The corresponding CAD call will not be lost. You may manually return to the CAD List screen via the Menu or CAD Icon in the Information Bar.

5.8.3 CAD Pull

CAD information can be explicitly requested (pulled) by simply entering an incident number. At that point the system sends a message to the server requesting any CAD information that is related to that unit number and incident number. When information is available you will receive the following notification, indicating the CAD data has been applied.





5.8.4 CAD Reconciliation

If any of the data from CAD conflicts with manually entered ePCR data, the field will be flagged as a conflict. You will be notified of conflicts via the CAD Circle within the Information Bar.

It identifies the number of conflicts.



Tapping on the CAD Circle will take you to the CAD Reconciliation screen where you can view the conflict(s) and decide whether to use the CAD value or the ePCR value.

Reconcile Patient Data		
Incident Number: 20160426_103016	Patient Name: Patient Last Name, Patient First Name	Unit Number: 1
Item	CAD Value	ePCR Value
Available	<input checked="" type="checkbox"/> 2/10/2016 13:32:37	<input type="checkbox"/> 2/10/2016 13:32:37
Care Transfer	<input checked="" type="checkbox"/> 2/10/2016 14:52:48	<input type="checkbox"/> 2/10/2016 14:52:48
Depart Scene	<input checked="" type="checkbox"/> 2/10/2016 13:45:39	<input type="checkbox"/> 2/10/2016 13:45:39
Depart Scene / ODOMETER (miles)	<input checked="" type="checkbox"/> 10026	<input type="checkbox"/> 10026.00
Destination - Address / Address 1	<input checked="" type="checkbox"/> 3254 Hospital Rd	<input type="checkbox"/> 3254 Hospital Rd
Destination - Address / Address 2	<input checked="" type="checkbox"/> 2nd Floor	<input type="checkbox"/> 2nd Floor
Destination - Address / City / Town	<input checked="" type="checkbox"/> Halifax	<input type="checkbox"/> Halifax
Destination - Address / Country	<input checked="" type="checkbox"/> Canada	<input type="checkbox"/> Canada
Destination - Address / County	<input checked="" type="checkbox"/> Halifax County	<input type="checkbox"/> Halifax County
 Destination - Address / Postal Code	<input type="checkbox"/> 12543	<input type="checkbox"/> 12545
 Destination - Destination Type	<input checked="" type="checkbox"/> Hospital	<input type="checkbox"/> Hospital
Dispatch Complaint	<input checked="" type="checkbox"/> Breathing Problem	<input type="checkbox"/> Breathing Problem
Divert Reason 1	<input checked="" type="checkbox"/> Close To Family (Medicare)	<input type="checkbox"/> Close To Family (Me
Divert Reason 2	<input checked="" type="checkbox"/> Closed	<input type="checkbox"/> Closed
Enroute	<input checked="" type="checkbox"/> 2/10/2016 12:11:37	<input type="checkbox"/> 2/10/2016 12:11:37
Incident Date / Time	<input checked="" type="checkbox"/> 2/10/2016 13:31:15	<input type="checkbox"/> 2/10/2016 13:31:15

Once a field is reconciled to accept CAD data, it will automatically receive all CAD updates. You will see which fields are subsequently CAD updated by revisiting the CAD Reconciliation screen and looking at the rows marked with a blue information icon (e.g. Destination Type above was updated by CAD to be Hospital since the last time you viewed the CAD Reconciliation screen). Conflicts are marked in red and have an error icon.

5.9 Transmitting Defibrillator/Monitor Data

Data captured on a defibrillator/monitor can be imported and integrated with open ePCRs. The data can be imported into the ePCR at any time before it is finalized.

Data transmission methods from the defibrillator/monitor to the computer running the Siren application is determined by each defibrillator/monitor manufacturer. Common data transfer methods include serial cable direct, Serial-to-USB adapter, Bluetooth and Wi-Fi connections.

You must have the appropriate equipment/technology to support the recommended data transmission method in addition to a defibrillator/monitor enabled and configured to support the same.

Ensure that the defibrillator is configured for the method of data transmission you plan to use. As each defibrillator/monitor has different steps to transmit data, please refer to the following operating instructions for your use.

Siren Field User integrates with several defibrillator/monitors:

[Physio Control LIFEPAK® 12](#) ⁽⁵⁵⁾

[Physio Control LIFEPAK® 15](#) ⁽⁵⁵⁾

[ZOLL M Series](#) ⁽⁵⁶⁾ ⁽⁵⁵⁾

[ZOLL E Series](#) ⁽⁵⁶⁾ ⁽⁵⁵⁾

[ZOLL X Series](#) ⁽⁵⁶⁾ ⁽⁵⁵⁾

[Philips HeartStart MRx](#) ⁽⁶²⁾

[corpuls](#) ⁽⁶³⁾ ⁽⁶³⁾

**Click link above or proceed to page number listed for more information.*

Data transmission methods from the defibrillator/monitor to the computer running the Siren application is determined by each defibrillator/monitor manufacturer. Common data transfer methods serial cable, Serial-to-USB adapter, Bluetooth and Wi-Fi connections. Import and software details for specific vendors is below.

Defibrillator Vendor	Model	Vendor Software Supported	Transfer Types Supported
ZOLL	M Series® E Series® X Series®	Version 5.8 Zoll API Microsoft Bluetooth Stack (M and E Series®)	Wired with serial cable or serial to USB adapter Bluetooth (M and E Series®) Wifi (X Series® only)
Physio-Control	LIFEPAK® 12 LIFEPAK® 15	CODE-STAT 9.0.2 API Microsoft Bluetooth Stack	Wired with serial cable Bluetooth
Philips	Philips HeartStart MRx	Philips HeartStartData SDK 3.5 Non-Microsoft Bluetooth stack supporting FTP Data Exchange (such as Toshiba)	Bluetooth
GS Elektomed	corpuls ³	Corpuls Data Interface Libraries	Bluetooth

5.9.1 Transmitting from a LIFEPAK 12® or LIFEPAK® 15 Defibrillator/Monitor

Siren Field User contains an ECG/Monitor interface that integrates with the LIFEPAK® 12 and 15 Defibrillator/Monitor series device. The LIFEPAK 12 and 15 Defibrillator/Monitor is connected to the tablet PC with a serial cable or with wireless Bluetooth technology.

Information that can be imported into an open ePCR includes: patient vital signs, procedures, and medications recorded as LIFEPAK events, LIFEPAK reports, and LIFEPAK ECG waveforms.

ECG waveforms are viewable in Siren Field User as individual snapshots of the ECG waveform or the entire animated waveform (via a defibrillator / monitor specific viewer). Waveforms are also viewed or printed from the ECG Manager. All imported ECG information is viewed via the ECG Manager whether or not the corresponding event or report is attached to the ePCR.

To transmit LIFEPAK Defibrillator/Monitor information to the tablet PC:

- Step 1:** **Create** a new ePCR in Siren Field User or open an existing ePCR.
- Step 2:** Ensure that a connection is established between the defibrillator/monitor to the tablet.
- Step 3:** On the defibrillator, **click** the TRANSMIT button.
- Step 4:** Use the speed dial to **select** DATA, and then press the knob.
- Step 5:** Use the speed dial to **select** ALL REPORTS, and then press the knob.
- Step 6:** Use the speed dial to **select** a SITE, and then press the knob.
- Step 7:** Use the speed dial to **select** SEND, and then press the knob.

5.9.2 Transmitting from a ZOLL M Series®, E Series® & X Series® Defibrillator/Monitor

Siren Field User contains an ECG/Monitor interface that integrates with the ZOLL M Series®, E Series®, and X Series® devices. Data captured on the defibrillator can be imported and integrated with open ePCRs.

The ZOLL M Series®, E Series® and X Series® is connected to a tablet PC with a serial cable, serial-to-USB, wireless Bluetooth technology (M and E-Series), and Wifi (X-Series only).

ECG waveforms are viewable from within Siren Field User. ECG waveforms are attached to an ePCR so that they print from Siren Field User with the ePCR. Waveforms are also viewed or printed from the ECG Manager. All imported ECG information is viewed via the ECG Manager whether or not the corresponding event or report is attached to the ePCR.

To transmit ZOLL M and E Series® Defibrillator/Monitor information to the tablet PC:

- Step 1:** **Create** a new ePCR in Siren Field User or **open** an existing ePCR.
 - Step 2:** **Turn off** the ZOLL M Series® or E Series® defibrillator.
 - Step 3:** Wait 30 seconds.
 - Step 4:** **Hold** the leftmost button on the ZOLL M Series® or E Series® unit and turn the unit on.
 - Step 5:** **Select** UPLOAD CARD.
 - Step 6:** **Select** SEND.
 - Step 7:** On the SOAP bar of Siren Field User, **click** Vitals.
 - Step 8:** On the submenu, **click** ECG/MONITOR.
 - Step 9:** **Select** DOWNLOAD ZOLL DATA/RETRIEVE MONITOR DATA.
- Note:** *Depending on the Siren configuration, this caption may be slightly different.*
- Step 10:** Under the Read From Serial/Bluetooth section, if different from the default, **enter** the COM port number used by the tablet in the COM Port field.

Download Defibrillator/Monitor Data | Smith, J., 39 Y

Read From Serial / Bluetooth:

COM Port
123

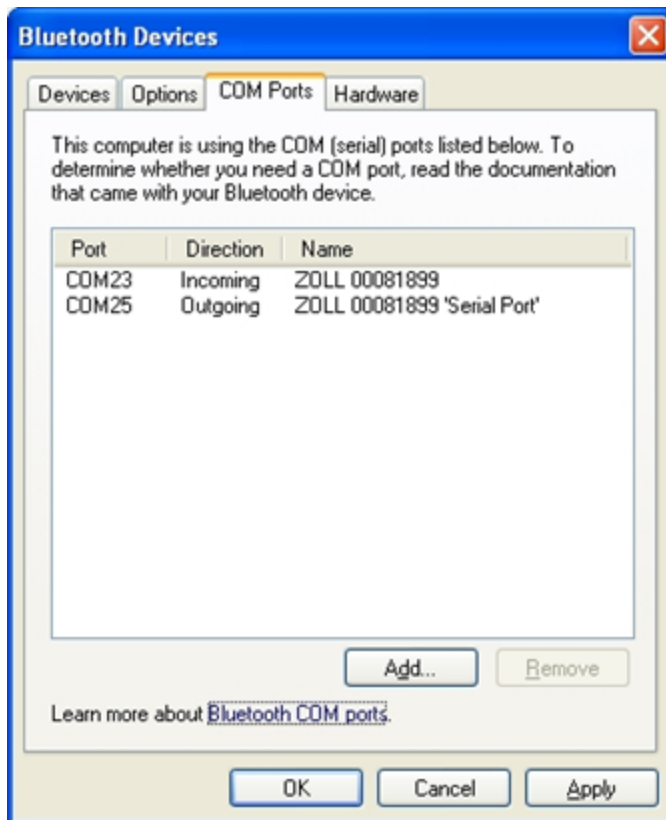
Baud Rate
115200 9600 38400 57600

Retrieve Data

Read From Card File:
Browse for Card File

Cancel

Note: Check the Bluetooth COM ports by **double clicking** the Bluetooth icon in the task bar. **Select** the COM Ports tab, this is marked 'Serial Port'. In the example below, the COM port is 25.



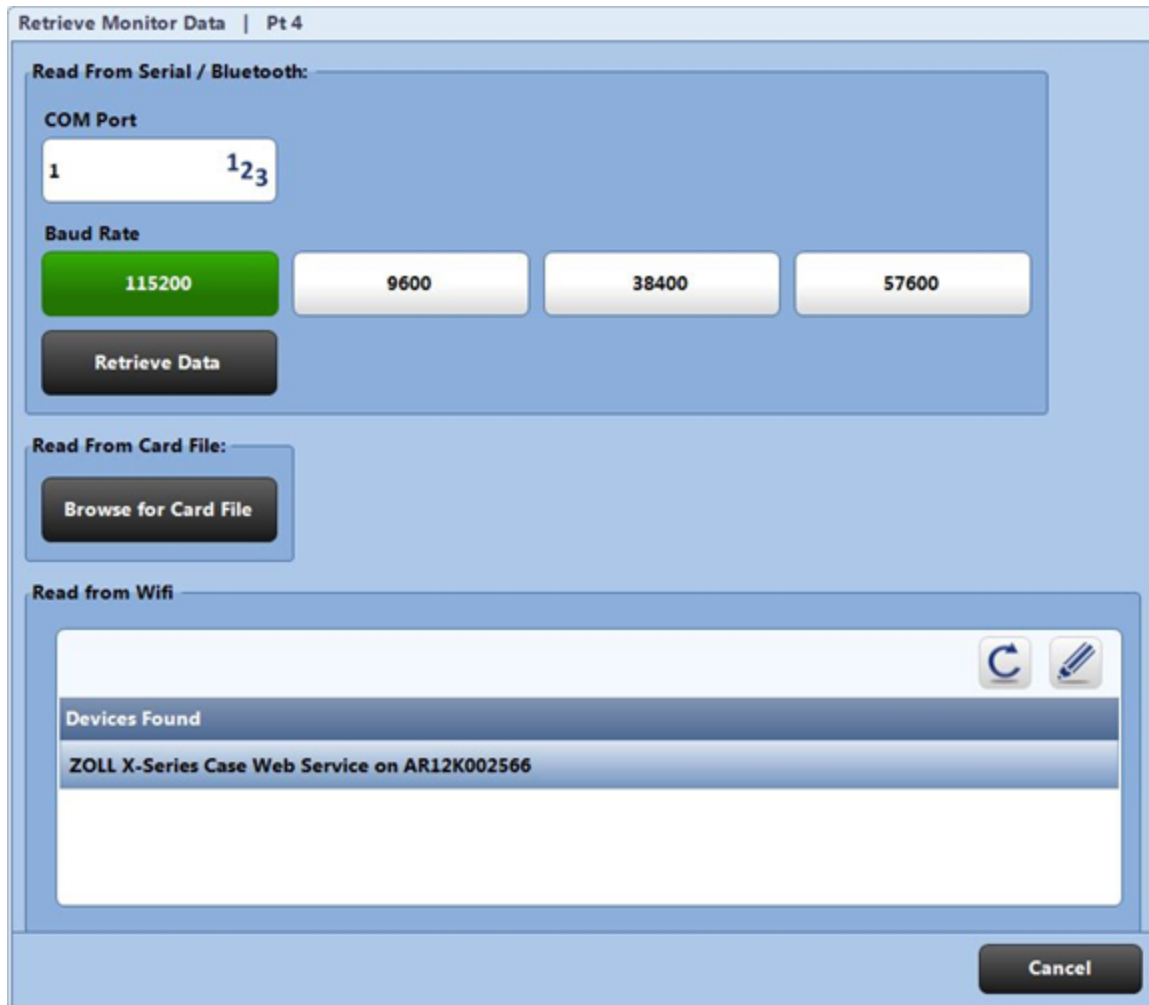
- Step 11:** Click RETRIEVE DATA.
The information is transmitted to the tablet PC.

To transmit ZOLL X Series® defibrillator information to the tablet PC using Wifi:

- Step 1:** Create a new ePCR in Siren Field User or open an existing ePCR.
- Step 2:** On the SOAP bar, click VITALS.
- Step 3:** From the ECG/Monitor submenu, click PATIENT LIST.
- Step 4:** Select DOWNLOAD ZOLL DATA/RETRIEVE MONITOR DATA on the bottom right hand side.

Note: Depending on the Siren configuration, this caption may be slightly different.

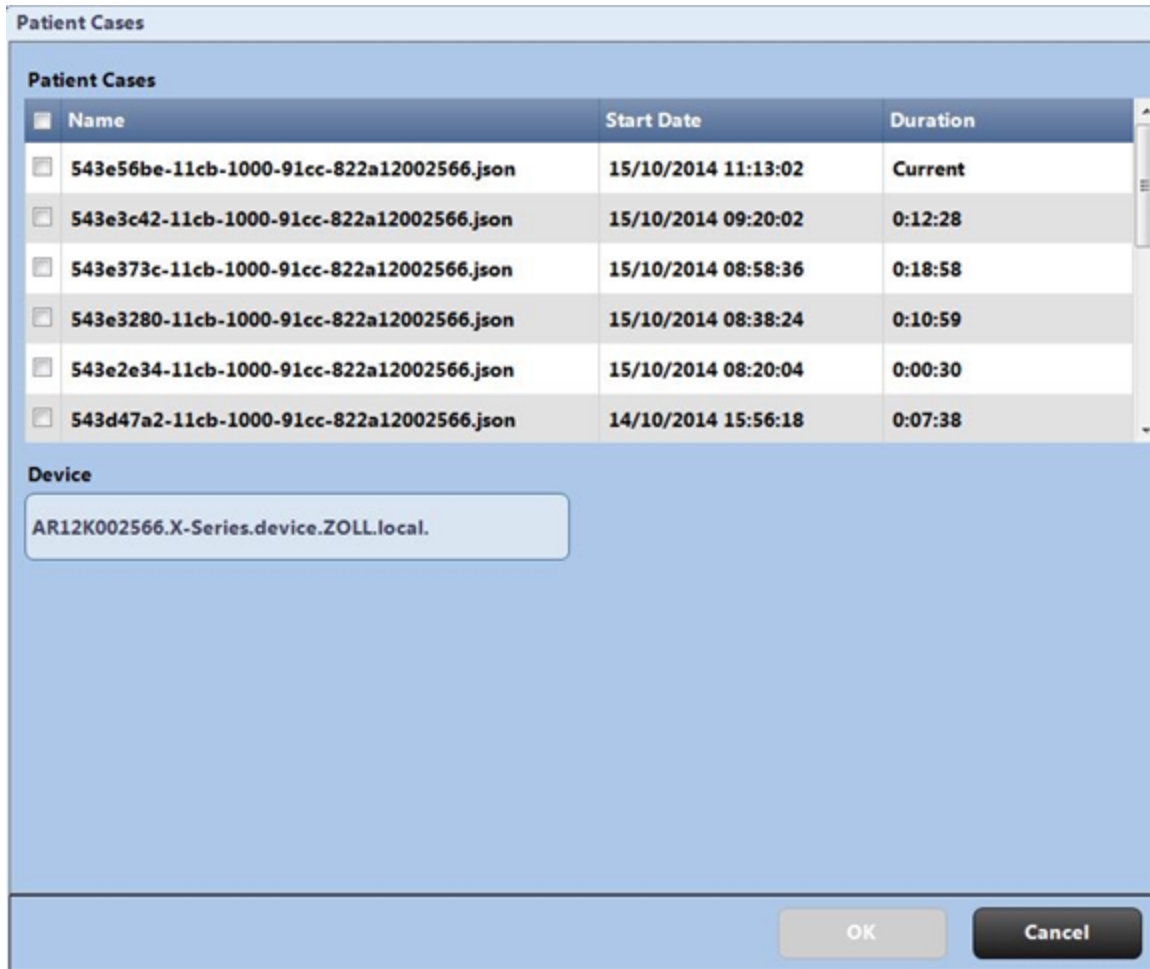
The following screen will appear.



Step 5: If the ZOLL device is not listed, Select REFRESH 

Step 6: Choose ZOLL X SERIES CASE WEB SERVICE, then click EDIT 

The following screen will appear.



- Step 7:** Choose the case you want to import, then **click** OK.
The case will load into Siren and be ready for importing into the ePCR.
Depending on the size of the file, you may see the file parsing, wait until it is complete.
- Step 8:** Select IMPORT CASE.

To transmit ZOLL X Series defibrillator information to the tablet PC using USB:

- Step 1:** **Insert** the USB in the USB port on the left hand side on the Zoll monitor.
- Step 2:** **Press** LOG.
- Step 3:** **Press** USB.
- Step 4:** **Select** the case you wish to transfer.
When the case is transferred onto the USB the monitor will display "Transfer is complete".
- Step 5:** **Remove** the USB and **click** OK on the monitor.
- Step 6:** **Insert** the USB into the tablet.
- Step 7:** **Create** a new ePCR in Siren Field User or open an existing ePCR.
- Step 8:** On the SOAP bar, **click** VITALS.
- Step 9:** On the Side Navigation Control, **click** ECG/MONITOR.
- Step 10:** From the ECG/Monitor submenu, **click** PATIENT LIST.
- Step 11:** **Click** DOWNLOAD ZOLL DATA/RETRIEVE MONITOR DATA on the bottom right hand side.
- Note:** *Depending on the Siren configuration, this caption may be slightly different.*
A pop up screen will appear.
- Step 12:** **Click** BROWSE for the card file.
- Step 13:** **Select** the correct .json file (verify date and time).
- Step 14:** **Click** OPEN.
A message will appear "Zoll data successful".
- Step 15:** **Click** OK.

5.9.3 Transmitting from a Philips HeartStart MRx Defibrillator/Monitor

Siren Field User contains an ECG/Monitor interface that integrates with the Philips HeartStart MRx Defibrillator/Monitor. Data captured on the defibrillator can be imported into an ePCR.

The Philips HeartStart MRx is connected to a tablet using wireless Bluetooth technology. If Philips Bluetooth is configured (ie. Toshiba Stack), then Bluetooth Transfers in Siren (ie. Windows Stack) are unavailable.

ECG waveforms are viewable from within Siren Field User. ECG waveforms are attached to an ePCR so that they print from Siren Field User with the final ePCR. Waveforms are also viewed or printed from the ECG Manager. All imported ECG information is viewed via the ECG Manager whether or not the corresponding event or report is attached to the ePCR.

To transmit Philips HeartStart MRx Defibrillator/Monitor information:

- Step 1:** **Create** a new ePCR in Siren Field User or **open** an existing ePCR.
- Step 2:** **Press** the MENU SELECT button on the Philips HeartStart MRx.
- Step 3:** Using the Navigation buttons, **select** OTHER and press MENU SELECT.
- Step 4:** **Select** DATA MANAGEMENT and press MENU SELECT.
- Step 5:** **Press** MENU SELECT to acknowledge the message Leaving Normal Operational Mode.
- Step 6:** Use the [PREV ITEM] and [NEXT ITEM] soft keys to **select** an EVENT SUMMARY.
- Step 7:** **Press** MENU SELECT to display the Data Management menu.
- Step 8:** **Select** SEND and press MENU SELECT.

5.9.4 Transmitting from a corpuls3 Defibrillator/Monitor

Siren Field User contains an ECG/Monitor interface that integrates with the Defibrillator. Data captured on the defibrillator can be imported into an ePCR.

Siren connects to corpuls³ using a non-discoverable Bluetooth connection.

corpuls³ cases are not downloaded, Siren Field User must have an active connection to the corpuls³ Defibrillator/Monitor in order to access patient case data. Corpuls does not make the full ECG strip available to external applications. Only snapshots of the 12 lead ECG (called a D-ECG) are available.

Electronic Therapy is the only Siren procedure that is dynamically added to the ePCR based upon defibrillator data.

To retrieve Defibrillator/Monitor information into an ePCR:

- Step 1:** Create a new ePCR in Siren Field User or open an existing ePCR.
Step 2: On the SOAP bar, click VITALS.
Step 3: On the Side Navigation Control, click ECG / MONITOR.
Step 4: Click PATIENT LIST (if not already selected).
Step 5: Click RETRIEVE MONITOR DATA.
The Read from Non-Discoverable Bluetooth Device screen will appear.

Read from Non-Discoverable Bluetooth Device

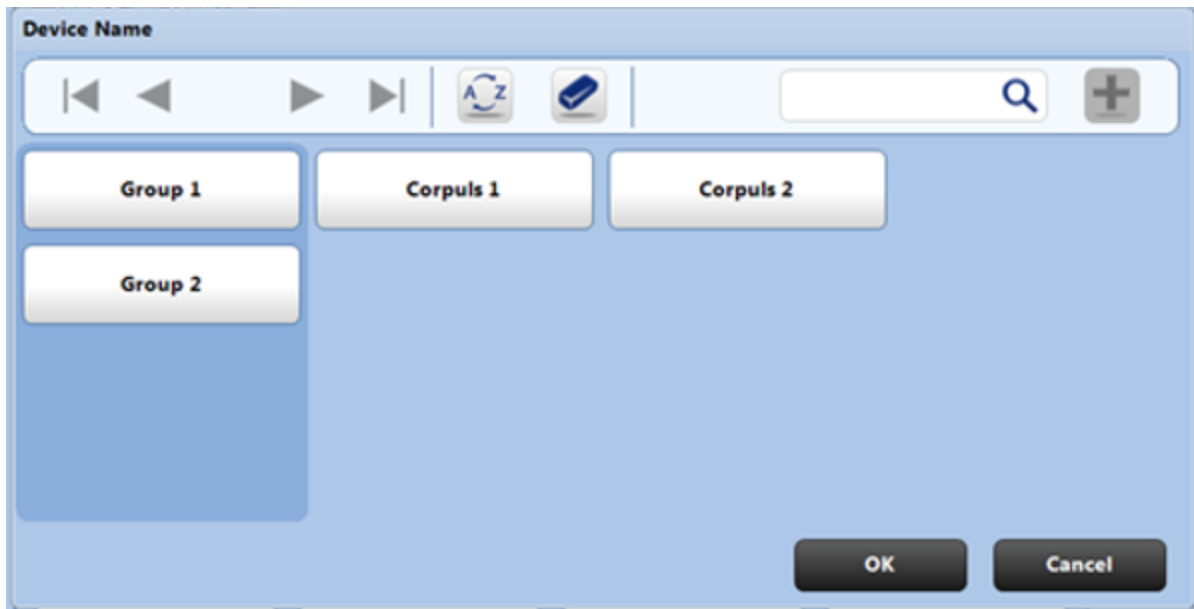
Device Name	MAC Address	PIN	COM Port
<input type="text"/>	<input type="text"/>	<input type="text"/>	1 <input type="text"/>

of Cases

5

Activate Window

- Step 6:** Click DEVICE NAME.
Step 7: Select the group and device name from the list.



Step 8: Click OK.
Predefined device information will auto-populate the required entries for the device.

A screenshot of a software interface titled "Read from Non-Discoverable Bluetooth Device". It features four input fields: "Device Name" (containing "Corpuls 1" and a table icon), "MAC Address" (containing "00:18:da:03:48:66"), "PIN" (containing "6673"), and "COM Port" (containing "1" and a numeric keypad icon). Below these fields is a "# of Cases" field containing "6" and a numeric keypad icon. At the bottom, there are two buttons: "Retrieve Data" and "Test Connection".

Step 9: (Optional): Click TEST CONNECTION.
This will indicate whether the tablet can successfully connect to the corpuls³ device from the data entered.

Step 10: Click RETRIEVE DATA.

Note: In the event the corpuls³ device is not preconfigured within Siren, the following information needs to be manually entered for each field:

- Device Name** [Pick List](#)⁽³⁷⁾ containing pre-configured devices (can be configured with MAC Address and PIN).
DEVICE NAME will not appear if no picklist items are configured.
- MAC Address** [Free Text](#)⁽³⁶⁾ required to enter MAC Address of the corpuls³ device, found on the corpuls³ Defibrillator/Monitor.
- PIN** [Free Text](#)⁽³⁶⁾ required to enter the security PIN of the corpuls³ device, found on the corpuls³ Defibrillator/Monitor.
- COM Port** [Numeric field](#)⁽³³⁾ required to enter the COM Port of the tablet will use to connect to the corpuls³ device. Default value is what is entered in the client configuration.
- Number of Cases** [Numeric field](#)⁽³³⁾ required to indicate the number of corpuls³ cases that will appear in the Patient List.

This will save all the data entered and refreshes Patient List with corpuls³ cases.

The following patient cases are available for import:

Time	Status	Name	Incident / Run Number	Source
10/11/2016 14:04:00	Ready for Import	.		Corpuls - C3
10/7/2016 10:46:04	Ready for Import	.		Corpuls - C3
10/7/2016 09:42:54	Ready for Import	.		Corpuls - C3
10/6/2016 15:41:08	Ready for Import	.		Corpuls - C3
9/21/2016 13:01:26	Ready for Import	.		Corpuls - C3

* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treat...)

Buttons: Hide Imported, Retrieve Monitor Data



Step 11: **Select** the desired corpuls³ cases and **click** IMPORT CASE. Once the case is imported, the status details will be listed in the Status column.

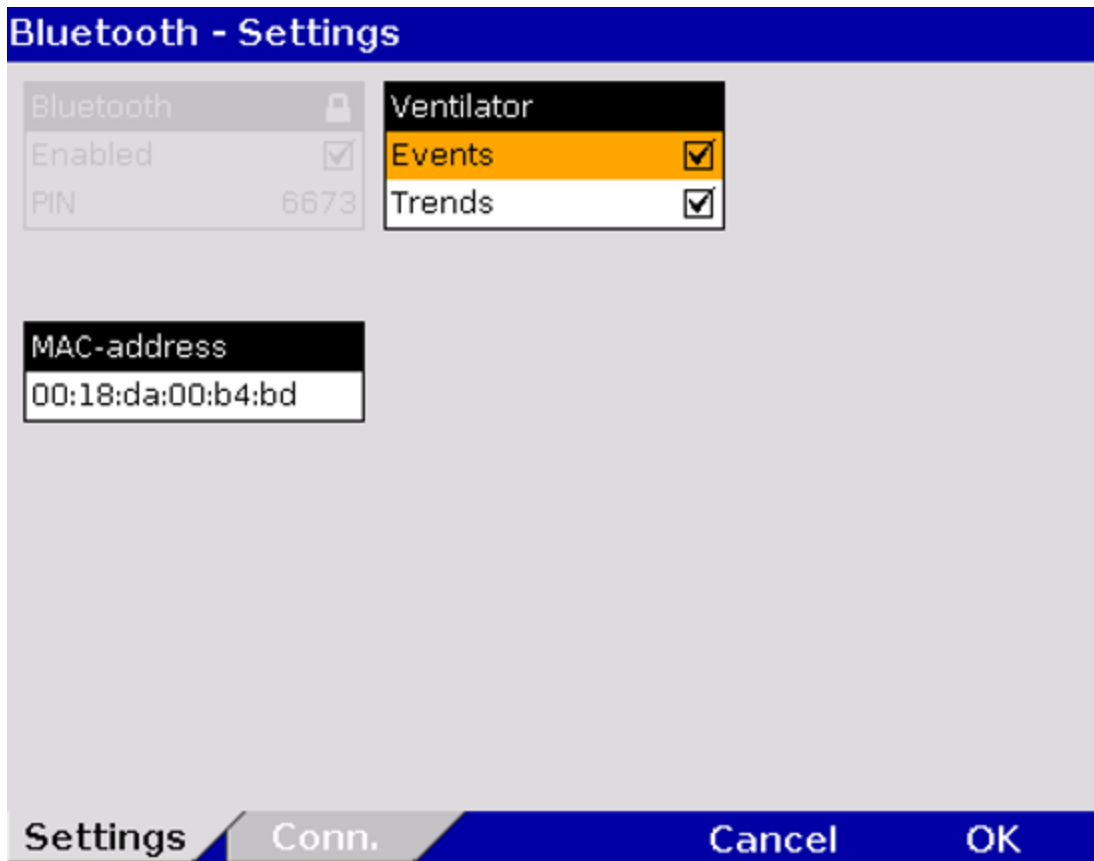
Vital signs included in the case will be listed in the Vital Signs section.

Time	Heart Rate	BP Systolic	BP Diastolic	SpO	Done By
10/17/2016 10:39:15 - C	0 (BPM)			99.7 (%)	Siren Admin
10/17/2016 10:38:10 - C	0 (BPM)	138 (mmHg)	76 (mmHg)	99.9 (%)	Siren Admin
10/17/2016 10:34:15 - C	0 (BPM)			99.7 (%)	Siren Admin
10/17/2016 10:29:15 - C	0 (BPM)			98.6 (%)	Siren Admin
10/17/2016 10:24:15 - C	60 (BPM)			99.3 (%)	Siren Admin
10/17/2016 10:21:48 - C	60 (BPM)	136 (mmHg)	76 (mmHg)	94 (%)	Siren Admin
10/17/2016 10:19:15 - C	60 (BPM)			98.2 (%)	Siren Admin
10/17/2016 10:16:47 - C	60 (BPM)	134 (mmHg)	76 (mmHg)	98.9 (%)	Siren Admin

To setup corpuls³:

Step 1: On the the main menu of the corpuls³ Defibrillator/Monitor, **select** BLUETOOTH.

Step 2: **Select** SETTINGS.



Step 3: Select the desired settings.

Field	Setting	Values
MAC address	--	--
Ventilator	Events	Enabled, disabled
	Trends	Enabled, disabled

MAC Address The MAC address is the hardware address of the Bluetooth module and serves as identification of the device in a network. The MAC address cannot be changed.

PIN The PIN is an associated number that associates one Bluetooth enabled device with another.

Note: The MAC Address and PIN values presented on this screen are used in the preconfiguration of this device within the list of available devices in Siren. If the device is not preconfigured, the values provided here are required for manual entry when connecting Siren to corpuls³.

5.10 ePCR Transfers

The Transfer function allows System Users to move an unfinalized ePCR to another System User's tablet. Transfers can also be performed from the server to a tablet in order to allow medics to make corrections or updates. Below is a description of the various transfer options offered by Siren ePCR Suite.

5.10.1 Tablet-To-Tablet Transfers (Transfer Control)

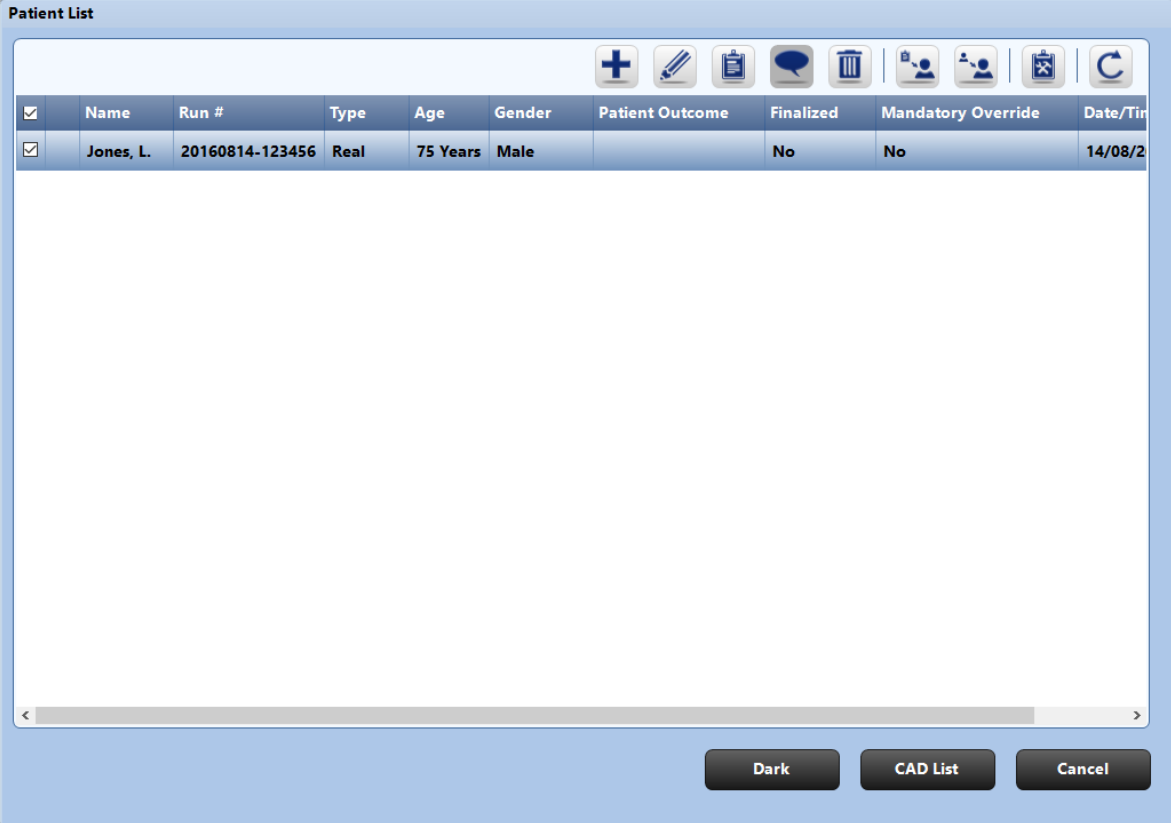
The Tablet-to-Tablet transfer feature allows an unfinalized ePCR to be created on one tablet and transferred to another tablet where it can continue to be logged and finalized. The Tablet-to-Tablet transfer can be completed using a connection to the server or using Bluetooth technology. Successful Bluetooth transfers require both tablets to have Bluetooth enabled, be in proximity to each other, and have the same version of Siren software installed.

A Tablet-to-Tablet transfer is useful when an initial unit arrives at the scene and opens an ePCR that is later completed by a secondary emergency medical services unit.

A Tablet-to-Tablet transfer is performed by doing the following:

Note: A transfer cannot be completed if the ePCR has not been assigned an Incident Number.

Step 1: **Select** the appropriate ePCR on the Patient List screen.



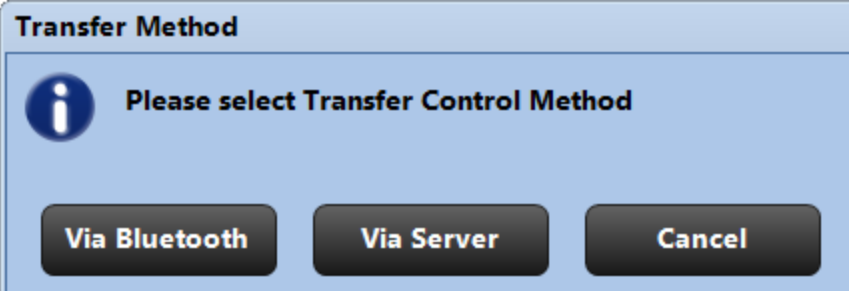
The screenshot shows a software interface titled "Patient List". At the top, there is a toolbar with icons for adding, editing, deleting, and other actions. Below the toolbar is a table with the following data:

<input checked="" type="checkbox"/>	Name	Run #	Type	Age	Gender	Patient Outcome	Finalized	Mandatory Override	Date/Time
<input checked="" type="checkbox"/>	Jones, L.	20160814-123456	Real	75 Years	Male		No	No	14/08/2

At the bottom of the screen, there are three buttons: "Dark", "CAD List", and "Cancel".

Step 2: **Click** the  icon on the Patient List screen.

A Transfer Method Screen will appear.

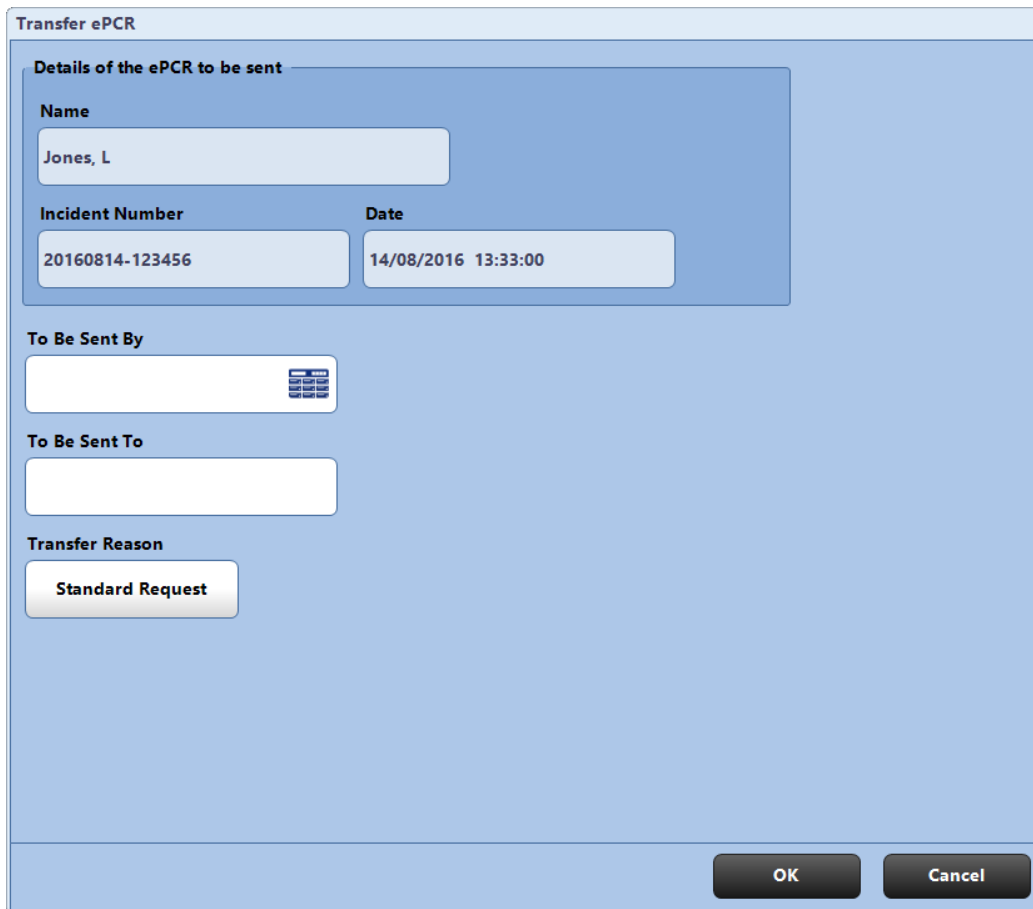


The screenshot shows a dialog box titled "Transfer Method". It contains an information icon and the text "Please select Transfer Control Method". Below this text are three buttons: "Via Bluetooth", "Via Server", and "Cancel".

Step 3: **Select** Via Bluetooth or via Server.

Note: When performing a Bluetooth transfer, you must provide the receiver with the PIN you assign to the transfer.

A transfer ePCR screen will appear.



The screenshot shows a dialog box titled "Transfer ePCR". It contains several sections for data entry:

- Details of the ePCR to be sent:** A section containing three input fields: "Name" with the value "Jones, L", "Incident Number" with the value "20160814-123456", and "Date" with the value "14/08/2016 13:33:00".
- To Be Sent By:** An empty text input field with a small menu icon to its right.
- To Be Sent To:** An empty text input field.
- Transfer Reason:** A button labeled "Standard Request".

At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

Step 4: **Complete** the fields pertaining to the sender, target recipient, and the reason for the transfer.

Step 5: **Click** OK.

5.10.2 Accepting Transfers

ePCR Transfer is used to send ePCRs from either a back office person to a tablet or from another field user, so the recipient can make edits and additions to the patient information. When a request for ePCR Transfer is received by a user, the transfer must be accepted before the ePCR can be modified. If the ePCR had been transferred from a back office person (via the Siren Web Administration application), there may be associated comments from the sender. These can be accessed via the View Comments toolbar button on the Patient List screen.

6 Principle Application Sections



Although the names of Siren Field User's SOAP buttons may vary depending on configuration requirements, the major sections are listed below.

Incident

Incident details including date and time, location, and destination.

Patient ID

Enter basic patient information including name, age, weight, demographic data, contact information, billing information, and necessity of service. It also contains the patient lookup section which allows the retrieval of patient history.

ABCD

This section includes the Primary Survey which includes airway, breathing, circulation, C-Spine, Bleeding, disability, and initial patient acuity, as well as scene findings and barriers to patient care.

History

Enter information about the patient's history, including chief complaint and secondary complaint, symptoms, medications, allergies, past medical history, social and family history. It also includes the trauma section with causes of injury and mechanism.

Vitals

Vitals information such as heart rate, blood pressure, respiratory rate, CO₂, SpO₂, and temperature, as well as scores (e.g. CTAS, GCS, MEWS), triage, APGAR, ECG readings, and ECG interpretations on imported defibrillator events.

Lab Values

Advanced diagnostic information such as electrolytes, hematology, cardiac markers, coagulation and blood gases. It also allows entry of results of imaging technology such as CT, MRI, PET, Ultrasound, X-Ray, and Angiography.

Assess/Plan

Exams, procedures, protocols, and view a summary. This section also displays mannequins (based on the patient's age and sex) with front, back, left, and right side views. Mannequins allow multi-body part selection and can display injury / observation selections in callouts, with a line to the associated body part.

Outcomes

Capture patient outcome information such as whether the patient was treated and/or transported, cardiac arrest details, and whether stroke / CVA systems were resolved. This section also permits documenting the supplies used during the call, as well as reference materials associated with the ePCR.

Care Plan

Document primary impressions and secondary impressions, the patient's care plan, advice provided to the patient and caregiver, and concerns regarding the patient. Additionally, capture information pertaining to referrals and encounters in which the EMS crew discharges the patient outside of the hospital setting.

Review

View the ePCR report, as well as print or fax, view a list of required fields not yet completed, sign the report, and finalize the ePCR.

6.1 Incident

The Incident button in the SOAP bar is used to document information about the incident. The Side Navigation Control has the following options: vehicle/crew, Incident, Times/Details, and Incident outcomes. Further selections in the submenu include: Dispatch Information, Location.

Siren Field User

Menu 20160814-123456 Jones, L., 75 Y, M 22:57:18 ? 150

Vehicle / Crew

Incident

Times / Details

Incident Outcomes

Unit Number: 123

Vehicle Type: Ambulance

Vehicle Number: 123

Primary Role of Unit: Ground Transport

Level of Care of Unit: BLS - First Responder / EMR

Unit Call Sign: 123

Agency Name:

Agency Number:

Incident Patient ID ABCD History Vitals Lab Values Assess / Plan Outcomes Care Plan Review

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Computer Aided Dispatch \(CAD\)](#) ⁽⁴⁸⁾

**Click link above or proceed to page number listed for more information.*

6.2 Patient Identification

The Patient ID button in the SOAP bar is used to document the patient's demographic, contact, and insurance information. Selecting the Patient ID button will display the Side Navigation Control with submenus for Identification, Billing Information, and Patient Lookup. Further selections in the submenu reveal a list of related subcategories. For example, selecting Identification reveals the following subcategories: Personal, Demographics, and Contacts.

The screenshot displays the 'Patient Identification' form within the 'Siren Field User' application. The form is organized into several sections:

- Header:** Shows the user 'Siren Field User', a menu button, a patient ID '20160814-123456', patient name 'Jones, L., 75 Y, M', and a time '22:54:32'.
- Left Sidebar:** Contains navigation options: 'Identification' (selected), 'Personal', 'Demographics', 'Contacts', 'Billing Information', and 'Patient Lookup'.
- Main Form Fields:**
 - Identification:** EMS Patient ID, Last Name (Jones), First Name (L).
 - Demographics:** Middle Name, Gender (Male, Female, Unknown).
 - Race / Ethnicity:** American Indian or Alaska Native, Asian, Black or African American, Hispanic or Latino, Native Hawaiian or Other Pacific Islander, White / Caucasian.
 - Age:** Date of Birth (02/04/1941), Age (75), Age Unit (Years), with 'Actual' and 'Estimate' options.
 - Weight:** Weight (168), Weight Unit (Pounds), and SSN.
 - Preferred Contact Method:** A dropdown menu.
- Bottom Navigation Bar:** Includes icons for Incident, Patient ID (highlighted), ABCD, History, Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan, and Review.

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Magnetic Swipe Card, Bar Code Reader & QR Code Reader](#) ⁽⁴⁷⁾

*Click link above or proceed to page number listed for more information.

Entering Patient ID Information

To enter information in Patient ID:

- Step 1:** On the SOAP bar, **click** PATIENT ID.
- Step 2:** **Select** an item from the Side Navigation Control.
- Step 3:** **Select** a button or field and use the form data entry tools to document information.

Copying Patient ID Information

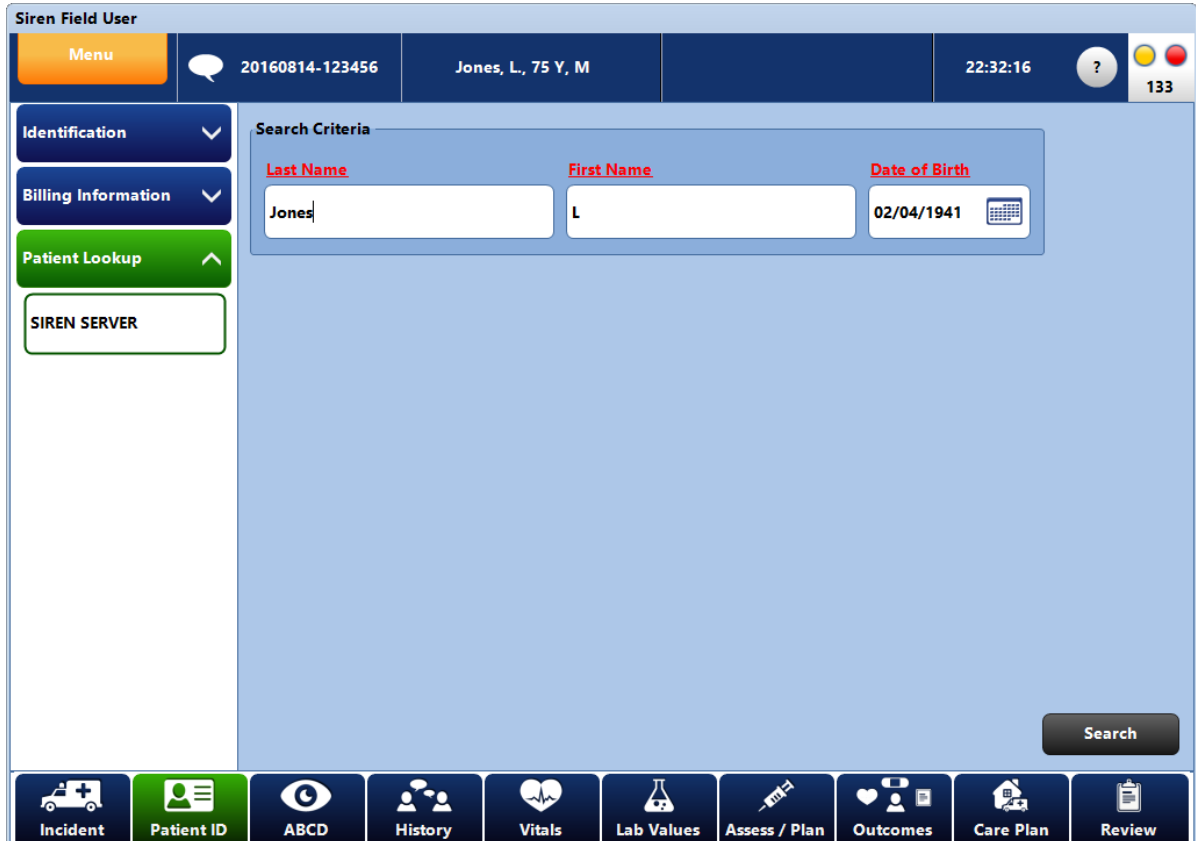
Information can be copied between sections in Patient ID. For example, you can copy address and contact information from one section to another without re-typing it. You can also copy the incident location linked from CAD into PATIENT ID > Identification > Demographics.

To copy Incident Location information to PATIENT ID > Identification > Demographics:

- Step 1:** On the SOAP bar, **click** PATIENT ID.
- Step 2:** **Select** IDENTIFICATION from the Side Navigation Control.
- Step 3:** **Select** DEMOGRAPHICS from the submenu.
- Step 4:** **Click** COPY INCIDENT LOCATION.

6.2.1 Patient Lookup

The Siren Server Patient Lookup function allows you to retrieve past ePCRs for a specific patient and copy relevant information into a new ePCR. Information includes medications, allergies, responsible party, contacts, insurance, past medical history, etc. For consistency and data integrity, the Patient Lookup function only retrieves finalized reports. Depending on configuration, this function will retrieve a maximum of six of the most recent finalized ePCRs for a particular patient.



The following patient information is required to use Patient Lookup:

- There must be communication between the tablet and server as the information pulled back resides on the server.
- Required fields are noted in red and must be completed in order to retrieve results. Depending on configuration, the following fields can also be used as search criteria:
 - Last Name
 - First Name
 - Sex
 - Postal or Zip Code
 - Social Security/ Insurance Number
 - Provincial Health Card No.
 - Driver's License Number
 - Telephone Number
 - Date of Birth

Once search criteria have been entered, the request is sent to the server. Records matching that criteria are returned to the tablet, allowing you to copy the following information to a new ePCR:

- Personal and Demographic
- Patient Contacts
- Responsible Party
- Insurance
- Employer's Information
- Past Medical History
- Medications
- Allergies

Pick list items in white have information that can be imported into the new ePCR. The white fields change to green after selection to indicate that they will be imported into the current ePCR.

If a pick list item is disabled (appears greyed-out), this indicates the selected ePCR does not contain that type of information (e.g. no patient medications have been recorded in that ePCR).

An example of the Patient Lookup Results.

Patient Lookup Results

Patient Lookup Results

Name	Address	Age	Sex	Health Card #	ePCR Creation
Smith, Jane	123 My Street, Halifax	50 Years	F		7/10/2014 08:54:14

Select Sections to copy

Personal And Demographics Employers Information Responsible Party Patient Contacts

Insurance Past Medical History Medications Allergies

ePCR Update Being Applied To

Incident Number	ePCR Creation	Last Name
	7/11/2014 15:22:40	Smith

▼ ▲

OK Cancel

6.3 ABCD

The ABCD button is used to document information collected from the Primary Survey and Scene Findings. Primary Survey includes: Airway, C-S-Spine, Breathing, Circulation, Bleeding, Disability, and Initial Patient Acuity. Scene Findings include: Barriers to Patient Care, Emergency Info Form, Alcohol or Drug use Indicators, Location Patient Found, and other Scene Findings.

Siren Field User

Menu 20160814-123456 Jones, L., 75 Y, M 23:00:07 ? 150

Primary Survey

Scene Findings

Start time 14/08/2016 21:48 Done by Siren Admin

Airway Patent Not Patent C-Spine C-Spine Cleared C-Spine Suspect

Breathing Inadequate Absent Adequate

Circulation Pulse Present Pulse Not Present Bleeding Bleeding Controlled Bleeding Uncontrolled

Disability Alert to Person Alert to Place Alert to Situation Alert to Time

Verbal Painful Unresponsive

Initial Patient Acuity Emergent (Yellow) Critical (Red) Lower Acuity (Green) Dead (Black)

Incident Patient ID ABCD History Vitals Lab Values Assess / Plan Outcomes Care Plan Review

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

[Long Caption Pick List](#) ⁽⁴⁴⁾

**Click link above or proceed to page number listed for more information.*

6.4 History

The History button in the SOAP bar is used to document information in regards to the patient's complaints, allergies, medications and past medical history.

The screenshot displays the Siren Field User interface. At the top, it shows the user's name 'Siren Field User', a 'Menu' button, a patient ID '20160814-123456', patient name 'Jones, L., 75 Y, M', and a time '23:08:22'. Below this is a navigation menu with options: Patient (selected), Symptoms, OPQRST, Trauma, and Social and Family History. The main content area is titled 'Medical / Surgical History' and contains a table with columns 'Item' and 'Details'. Below the table are sections for 'Medical History Obtained From' (Bystander/Other, Family, Health Care Personnel, Patient), 'Last Oral Intake' (with a calendar icon), and 'Immunizations' (Anthrax, Cholera, DPT (Diphtheria, Pertussis, Tetanus), Hemophilus Influenza B, Hepatitis A, Hepatitis B, Human Papilloma Virus (HPV), Influenza-H1N1). At the bottom is a navigation bar with icons for Incident, Patient ID, ABCD, History (selected), Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan, and Review.

Entering History Information

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾


[Free Text](#) ⁽³⁶⁾


[Pick List](#) ⁽³⁷⁾

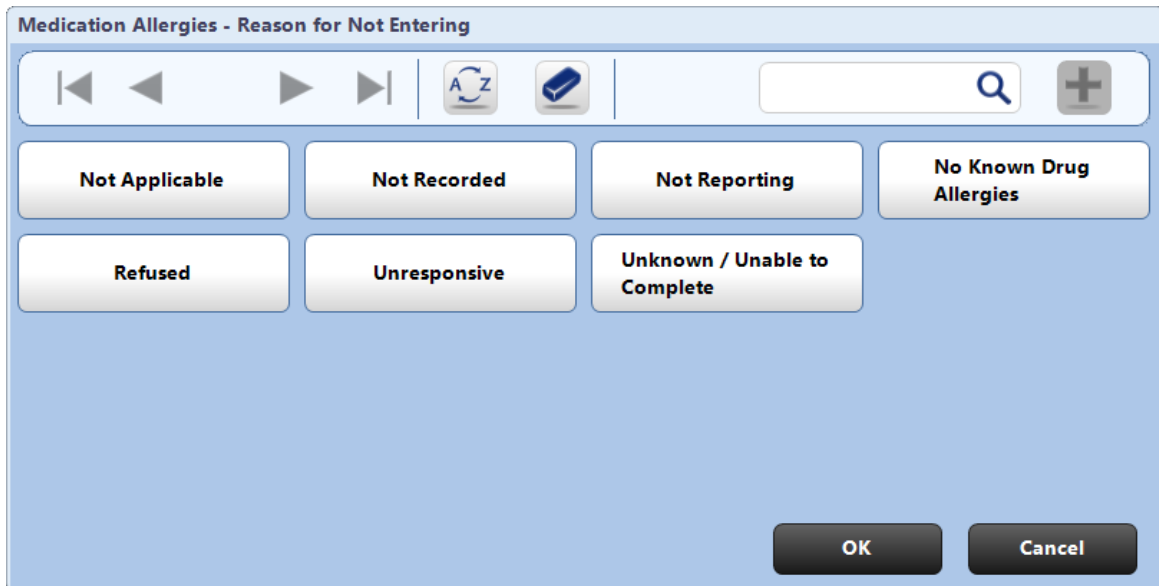
[Summary Pick Lists](#) ⁽⁴²⁾

[Long Caption Pick List](#) ⁽⁴⁴⁾

**Click link above or proceed to page number listed for more information.*

To Document No Known Allergies or No Allergies Entered:**Medication Allergies** 

Step 1: Above the Summary Table, **click** . The following box will appear.

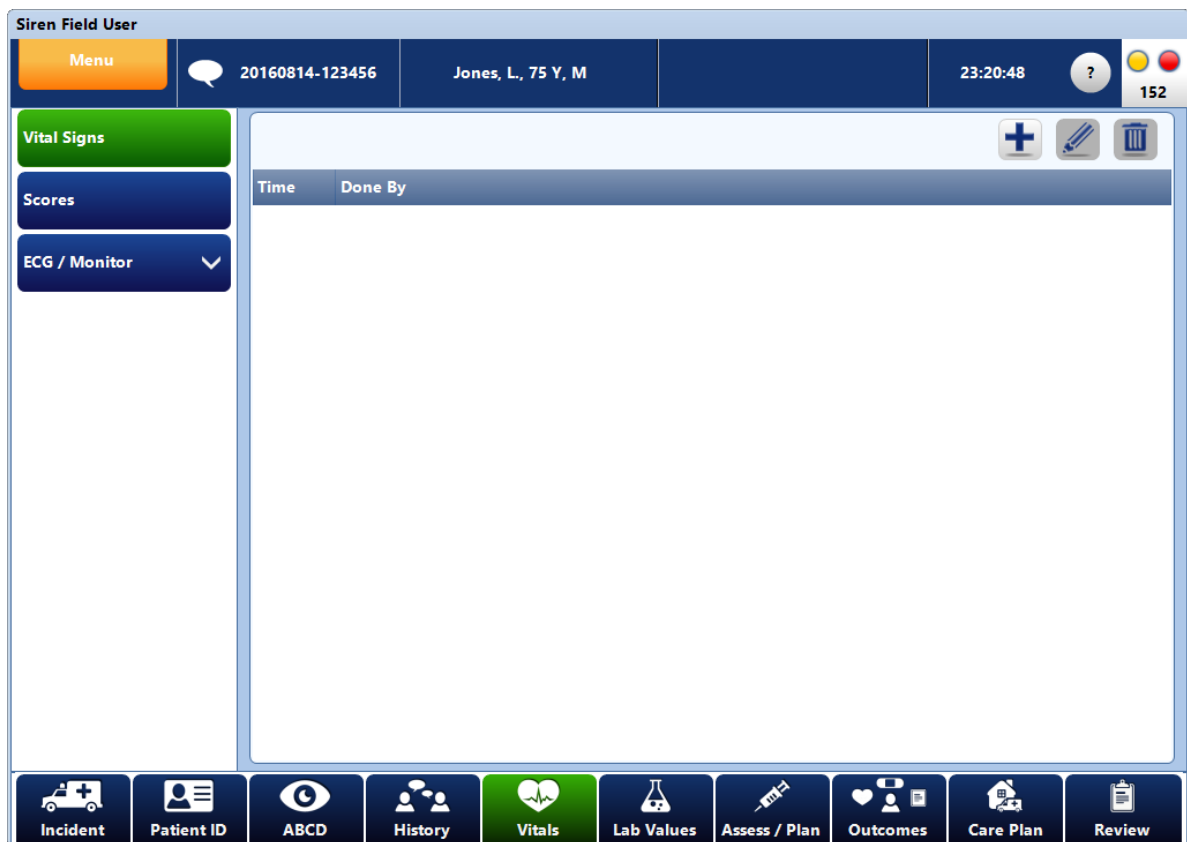


The dialog box titled "Medication Allergies - Reason for Not Entering" features a toolbar with navigation and search icons. Below the toolbar are seven buttons for selecting reasons: "Not Applicable", "Not Recorded", "Not Reporting", "No Known Drug Allergies", "Refused", "Unresponsive", and "Unknown / Unable to Complete". "OK" and "Cancel" buttons are located at the bottom right.

Step 2: **Choose** an option.

6.5 Vitals

The Vitals section is where all patient vital signs, scores, and ECG / Monitor information are documented throughout the patient's treatment. Selecting the VITALS button from the SOAP Bar opens the Vitals screen displaying a Side Navigation Control with subcategories: Vital Signs, Scores, and ECG / Monitor buttons. Expanding these submenu topics reveals related subcategories. For example, selecting ECG / Monitor reveals the following subcategories: Patient List, Imported Patients, Events, Reports, and ECG Interpretation. Data can be entered into each applicable subcategory to fully document the patient's vital signs.



The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick Lists](#) ⁽³⁷⁾

[ECG & Monitor - Universal Defibrillator/Monitor Interface](#) ⁽⁵³⁾

**Click link above or proceed to page number listed for more information.*

6.5.1 Vital Signs

This section includes Heart Rate, Respiratory Rate, Systolic Blood Pressure (BP Systolic), Diastolic Blood Pressure (BP Diastolic), and other related fields.

Adding a Vital Set

Step 1: On the SOAP bar, **click** VITALS

Step 2: **Click** VITAL SIGNS on the Side Navigation Control.

The Vitals Summary Table will appear and show all the Vital Sign entries added to the ePCR. If no data exists, the table will be blank.

Step 3: **Click**  ADD to create a new vital set. The Vital Signs screen will appear.

Vital Signs 20160814-123456 | Jones, L., 75 Y, M

Time		Done By	
14/08/2016 23:22:02		Siren Admin	
Heart Rate	Units	Method	Pulse Rhythm
123	BPM		
Respiratory Rate	Units	Respiratory Effort	
123	BPM		
BP Systolic	BP Diastolic	Units	Location
123	123	mmHg	
MAP	Units		
123	mmHg		
SPO2	Units	Details	
123	%		
Peak Flow	Units	Details	
123	L / Min		
ETCO2	Units	Details	
123	mmHg		

Previous Item
Next Item
▼
▲
Save
Close

Step 4: **Enter** the vital sign information.

Note: *Date/Time must be recorded for each vital set. This field automatically populates with*

the current date/time. If this is not desirable, you may use the



Step 5: **Click** SAVE.

Note: *If the number of items exceeds the screen area, you can press the up and down arrows at the bottom of the screen to scroll through the complete list.*

Editing a Vital Set:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** VITAL SIGNS.

Step 3: In the Summary Table, either **click** the appropriate vital set and **Click** the



The Vitals Set screen will expand allowing the appropriate field to be edited.

Step 4: **Click** Save.

Deleting a Vital Set:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** VITAL SIGNS.

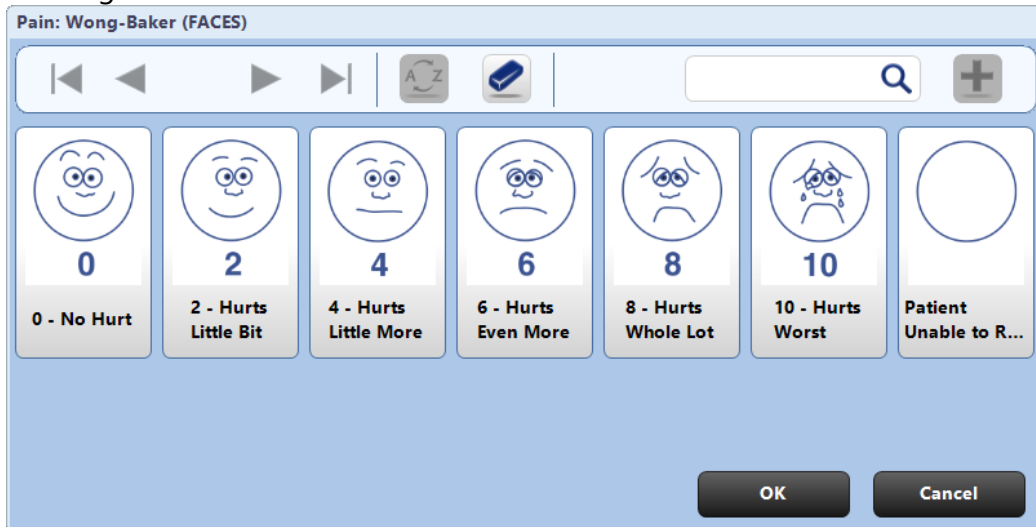
Step 3: In the Summary Table, **click** the appropriate vital set in order to highlight the row.



Step 4: Click the **DELETE** button.

Step 5: **Click** YES to the confirmation message.


The Visual Pain Score can be used to document pain visually and is available within the Vital Signs screen.



To document a pain score with a visual:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** VITAL SIGNS.

Step 3: Under PAIN: WONG-BAKER (Faces) **click**  The Visual Pain screen will appear (as shown above).

Step 4: **Select** the visual pain score from the available list.


6.5.1.1 Editing & Deleting Vital Signs from an Imported Vitals set

Imported vitals sets can be edited or deleted.

To delete vitals information:

- Step 1:** On the SOAP bar, **click** VITALS.
- Step 2:** On the Side Navigation Control, **click** VITAL SIGNS.
- Step 3:** **Select** the vital signs set that you wish to delete.




- Step 4:** **Click** the  button.
- Step 5:** **Click** YES in the confirmation message. The vitals set will be deleted.

To edit a vitals set:

- Step 1:** On the SOAP bar, **click** VITALS.
- Step 2:** On the Side Navigation Control, **click** VITAL SIGNS.
- Step 3:** **Select** a vital signs set to change. The entry is highlighted.



- Step 4:** **Click** the  button.
- Step 5:** **Update** the information using the form data entry tools.
- Step 6:** **Click** SAVE.

This vitals set will be updated and the vitals set will then indicate that a manually entered set has been entered as opposed to one downloaded from the defibrillator. From that point forward, the vitals will be treated as if they were manually entered.

6.5.2 Scores

Use the Scores button to document any scores relating to the patient's condition. Scores that can be documented in the tab include: Revised Trauma Score, Rapid Triage, Broselow Tape Category, % Burn, APGAR (Appearance, Pulse, Grimace, and Respiration for newborns), and Acuity.


Adding a Score Set

To enter a score:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: From the Side Navigation Control, **click** SCORES

The screen displays the Scores Summary Table which lists the score sets already added to the ePCR (this section will be blank if nothing has been added yet).

Step 3: To add a score set, **click** the add  icon.

Step 4: **Enter** or **select** score information.

Step 5: **Click** Save.

Note: If the number of items exceeds the screen area, you can press the up and down arrows at the bottom of the screen to scroll through the complete list.

Editing a score set:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: From the Side Navigation Control, **click** SCORES

The screen displays the Scores Summary Table which lists the score sets already added to the ePCR.

Step 3: To edit a score information, **highlight** the appropriate row in the summary table.

Step 4: **Click** the  EDIT button.

Step 5: **Enter** or **select** information to be edited.

Step 6: **Click** SAVE.

Deleting a score set:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: From the Side Navigation Control, **click** SCORES

The screen displays the Scores Summary Table which lists the score sets already added to the ePCR.

Step 3: Highlight the appropriate row in the summary table.



Step 4: Select the  DELETE button.

Step 5: **Click** YES to the confirmation message.

6.5.3 ECG/Monitor

The ECG/Monitor section is used to transmit, import, and attach defibrillator/monitor information including waveforms to an ePCR. This section includes:

Patient List

A list of patient information downloaded from the defibrillator/monitor to the tablet.

Imported Patients

A list of defibrillator/monitor patients imported into the current ePCR.

Events

A list of events sent by the defibrillator/monitor. This section also allows you to open a screen to view specific waveforms related to events/reports.

Reports

A list of reports that can be attached to the ePCR. This section also allows you to open a screen to view specific waveforms related to events/reports.

ECG Interpretation

Used to record additional information regarding a particular event or report from the defibrillator/monitor.

Data captured on a defibrillator/monitor can be imported and integrated with open ePCRs. Defibrillator data can be imported into the ePCR at any time before it is finalized. Siren Field User integrates with several defibrillators/monitors.

Click the links below or proceed to the page number listed for transmission instructions:

[Physio Control LIFEPAK® 12](#) ⁽⁵⁵⁾

[Physio Control LIFEPAK® 15](#) ⁽⁵⁵⁾

[ZOLL M Series®](#) ⁽⁵⁶⁾

[ZOLL E Series®](#) ⁽⁵⁶⁾

[ZOLL X Series®](#) ⁽⁵⁶⁾

[Philips HeartStart MRx](#) ⁽⁶²⁾

[corpuls](#) ⁽⁶³⁾, ⁽⁶³⁾ [Defibrillator](#) ⁽⁶³⁾

6.5.3.1 Importing Defibrillator/Monitor Data

After the defibrillator/monitor information is transmitted to the tablet, the information can be imported to ePCRs.

To import Defibrillator/Monitor information into an ePCR:

- Step 1** On the SOAP bar, **click** VITALS.
Step 2: On the Side Navigation Control, **click** ECG / MONITOR.
Step 3: **Click** PATIENT LIST (if not already selected).

Time	Status	Name	Incident / Run Number	Source
8/20/2010 23:17:21	Available for import	Temperature Vital Signs,	2010082023160500-LP157903	LIFEPAK 15
8/20/2010 21:41:29	Available for import	Simulated Continuous IP,	2010082021411700-LP157903	LIFEPAK 15
6/8/2010 17:09:40	Imported to John Smith - Time: 5/8/2014 12:11:26;	Continuous Multi-lead,	2010060817094100-LP159279	LIFEPAK 15
6/27/2008 13:36:17	Available for import	Neophyte, Eve	2008062713361900-LP150750	LIFEPAK 15
3/24/2008 11:43:32	Available for import	Quest, Coach	20080324113750000	LIFEPAK 12
2/4/2008 11:23:21	Available for import	Amstel, John	CPR16	LIFEPAK 12
11/29/2007 19:56:46	Available for import	Petri,	CPRm2	LIFEPAK 12
11/14/2007 19:11:54	Available for import	Luda,	CPRm1	LIFEPAK 12
8/16/2007	Available for import	St. Blaise, Daniel	CPR16	LIFEPAK 1000


* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treatments).

Hide Imported Download Ziff Data

Step 4: In the Data Entry Pane, click the patient information needed for import to the current ePCR.

Note: Lists can be re-ordered by clicking on the column headings.



Step 5: **Click** the  button. A progress bar is displayed while the information is imported.

Note: Vital signs are added to the Vital Signs table, and procedures and medications are added to the Assess / Plan section of the ePCR.

Import is now complete. The status column updates after import to indicate which ePCR the defibrillator / monitor information has been imported.

6.5.3.2 Viewing and Adding Defibrillator/Monitor Data

To view ECG information imported from a defibrillator/monitor:

Step 1 On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG / MONITOR.

Step 3: **Click** PATIENT LIST (if not already selected).

Siren Field User

Menu Pt 1, U 16:44:35 60

Vital Signs

Scores

ECG / Monitor

Patient List

Imported Patients

Events

Reports

ECG Interpretation

The following patient cases are available for import:

Time	Status	Name	Incident / Run Number	Source
4/1/2001 07:16:59	Ready for Import	Chung, Zhang	2001040107165700	LIFEPAK 12
4/1/2001 05:35:14	Ready for Import	Wooden, Mike	2001040105351200	LIFEPAK 12
3/28/2001 13:41:12	Ready for Import	Culpa, Mia	2001032813411000	LIFEPAK 12
3/28/2001 05:50:24	Ready for Import	Dataman, Oli	2001032805502200	LIFEPAK 12
3/27/2001 12:11:14	Ready for Import	Scott, Larry	2001032712111200	LIFEPAK 12
7/23/1999 07:21:29	Ready for Import	KELLY, ROSE	1999072307212600	LIFEPAK 12
7/14/1999 11:50:10	Ready for Import	MESINA, CHRISTOPHER	1999071411500900	LIFEPAK 12
7/14/1999 11:38:36	Ready for Import	Dennis, Loretta	1999071411383500	LIFEPAK 12

* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treat...)

Hide Imported Retrieve Monitor Data

The Source column notes which defibrillator / monitor imported the ECG information. If associated vendor software is installed, you can view any ECG data associated with an ePCR.

6.5.3.3 Re-Importing a Patient


Re-importing a patient case permits you to overwrite previously imported data.

To re-import a patient case into an ePCR:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/MONITOR.

Step 3: From the ECG/Monitor submenu, **click** PATIENT LIST.



The screenshot displays the Siren Field User interface. The top bar shows the user name "Smith, J. 39 Y" and the time "8:26:58". The left sidebar contains navigation options: Vital Signs, Scores, Input / Output, ECG / Monitor (highlighted), Patient List, Imported Patients, Events, Reports, and ECG Interpretation. The main content area shows a table of patient cases available for import:

Time	Status	Name	Incident / Run Number	Source
8/20/2010 23:17:21	Available for import	Temperature Vital Signs,	2010082023160500-LP157903	LIFEPAK 15
8/20/2010 21:41:29	Imported to John Smith - Time: 5/9/2014 08:18:49;	Simulated Continuous IP,	2010082021411700-LP157903	LIFEPAK 15
6/8/2010 17:09:40	Imported to John Smith - Time: 5/8/2014 12:11:26;	Continuous Multi-lead,	2010060817094100-LP159279	LIFEPAK 15
6/27/2008 13:36:17	Available for import	Neophyte, Eve	2008062713361900-LP150750	LIFEPAK 15
8/16/2007 12:00:55	Available for import	St-Pierre, Daniel	CPR20	LIFEPAK 1000
7/30/2007 07:00:44	Available for import	Tell, Guillaume	CPR19	LIFEPAK 1000
7/3/2007 09:54:41	Available for import	Clicquot, Philippe	CPR18	LIFEPAK 1000
2/24/2007 15:52:20	Available for import	Gaulois, Asterix	CPR17	LIFEPAK 500

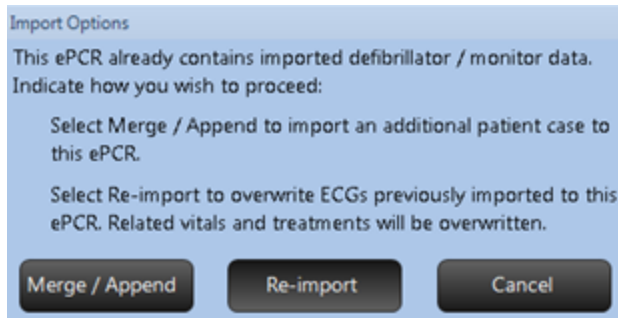
Below the table, there is a note: "* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treatments)." and two buttons: "Hide Imported" and "Download Zoll Data". The bottom bar contains icons for Patient ID, Subjective, Initial Assess, Vitals (highlighted), Lab Values, Objective, Assess/Plan, Transport, Care Plan, and Review.

Step 4: In the Data Entry Pane, click the patient case you want to re-import into the current ePCR.



Step 5: Click the  button.

The Import Options screen will appear.



Step 6: Click the Re-import button.

The file is re-imported and previous defibrillator/monitor data is deleted from the ePCR.

6.5.3.4 Merging/Appending Defibrillator/Monitor Files

You can merge LIFEPAK records or add additional defibrillator/monitor files within one ePCR. For example, you can import a ZOLL patient and a LIFEPAK 12 or 15 patient into the same ePCR. Only LIFEPAK 12 and 15 patients can be merged.

To merge two files within one ePCR:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG / MONITOR.

Step 3: From the ECG / Monitor submenu, **click** PATIENT LIST (if not already selected).

Siren Field User

Menu Smith, J. 39 Y 8:17:38

Vital Signs

Scores

Input / Output

ECG / Monitor

Patient List

Imported Patients

Events

Reports

ECG Interpretation

The following patient cases are available for import:

Time	Status	Name	Incident / Run Number	Source
8/20/2010 23:17:21	Available for import	Temperature Vital Signs	2010082023160500-LP157903	LIFEPAK 15
8/20/2010 21:41:29	Available for import	Simulated Continuous IP,	2010082021411700-LP157903	LIFEPAK 15
6/8/2010 17:09:40	Imported to John Smith - Time: 5/8/2014 12:11:26:	Continuous Multi-lead.	2010060817094100-LP159279	LIFEPAK 15
6/27/2008 13:36:17	Available for import	Neophyte, Eve	2008062713361900-LP150750	LIFEPAK 15
3/24/2008 11:43:32	Available for import	Quest, Coach	20080324113750000	LIFEPAK 12
2/4/2008 11:23:21	Available for import	Amstel, John	CPR16	LIFEPAK 12
11/29/2007 19:56:46	Available for import	Petri,	CPRm2	LIFEPAK 12
11/14/2007 19:11:54	Available for import	Ludo,	CPRm1	LIFEPAK 12
8/16/2007	Available for import	St. Dora, Daniel	CPR10	LIFEPAK 1000

* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treatments).

Hide Imported Download Zoll Data

Patient ID Subjective Initial Assess Vitals Lab Values Objective Assess/Plan Transport Care Plan Review

Step 4: In the Data Entry Pane, **click** the patient case you want to import into the current ePCR.



Step 5: **Click** the  button. The first patient case is imported.

Step 6: In the Data Entry Pane, **click** the second patient case you want to merge / append to the current ePCR.



Step 7: **Click** the  button.

Step 8: **Click** the Merge / Append button.

Siren Field User

Menu Smith, J. 39 Y 8:19:23 7 0

Vital Signs

Scores

Input / Output

ECG / Monitor

Patient List

Imported Patients

Events

Reports

ECG Interpretation

The following patient cases are available for import:

Time	Status	Name	Incident / Run Number	Source
8/20/2010 23:17:21	Available for import	Temperature Vital Signs.	2010082023160500-LP157903	LIFEPAK 15
8/20/2010 21:41:29	Imported	Smith, S/9/2		LIFEPAK 15
6/8/2010 17:09:40	Imported	Smith, S/8/2		LIFEPAK 15
6/27/2008 13:36:17	Available for import			LIFEPAK 15
8/16/2007 12:00:55	Available for import			LIFEPAK 1000
7/30/2007 07:00:44	Available for import	Tell, Guillaume	CPR19	LIFEPAK 1000
7/3/2007 09:54:41	Available for import	Clicquot, Philippe	CPR18	LIFEPAK 1000
2/24/2007 15:52:20	Available for import	Gaulois, Asterix	CPR17	LIFEPAK 500

Import Options
 This ePCR already contains imported defibrillator / monitor data.
 Indicate how you wish to proceed:
 Select Merge / Append to import an additional patient case to this ePCR.
 Select Re-import to overwrite ECGs previously imported to this ePCR. Related vitals and treatments will be overwritten.

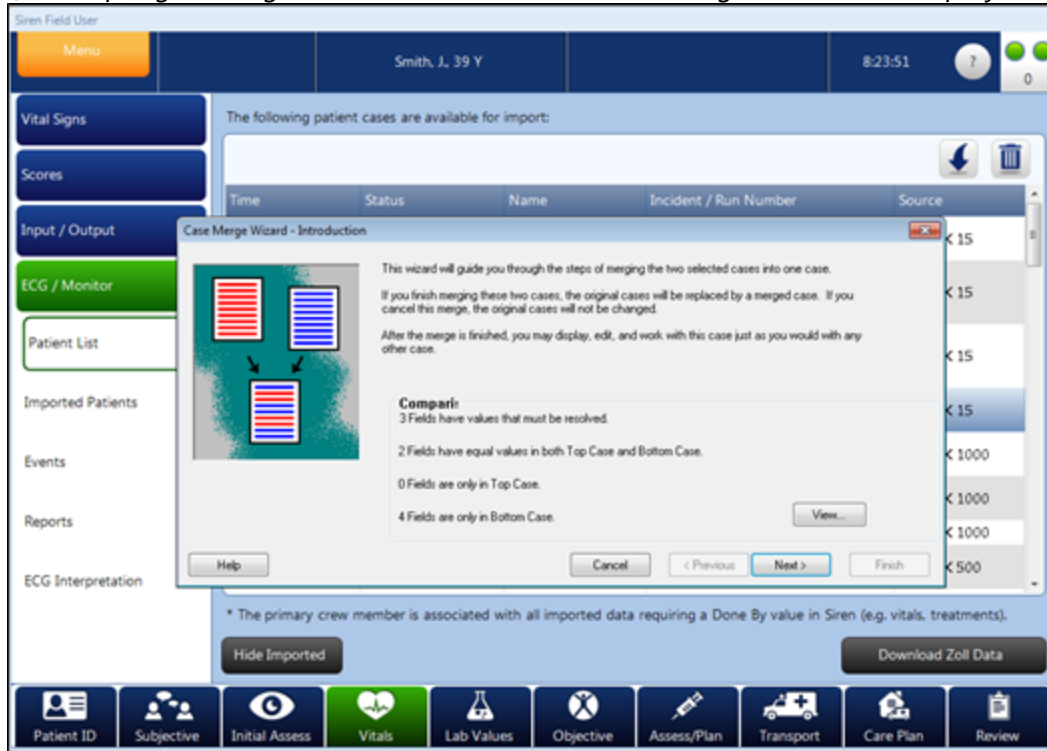
Merge / Append Re-import Cancel

* The primary crew member is associated with all imported data requiring a Done By value in Siren (e.g. vitals, treatments).

Hide Imported Download Zoll Data

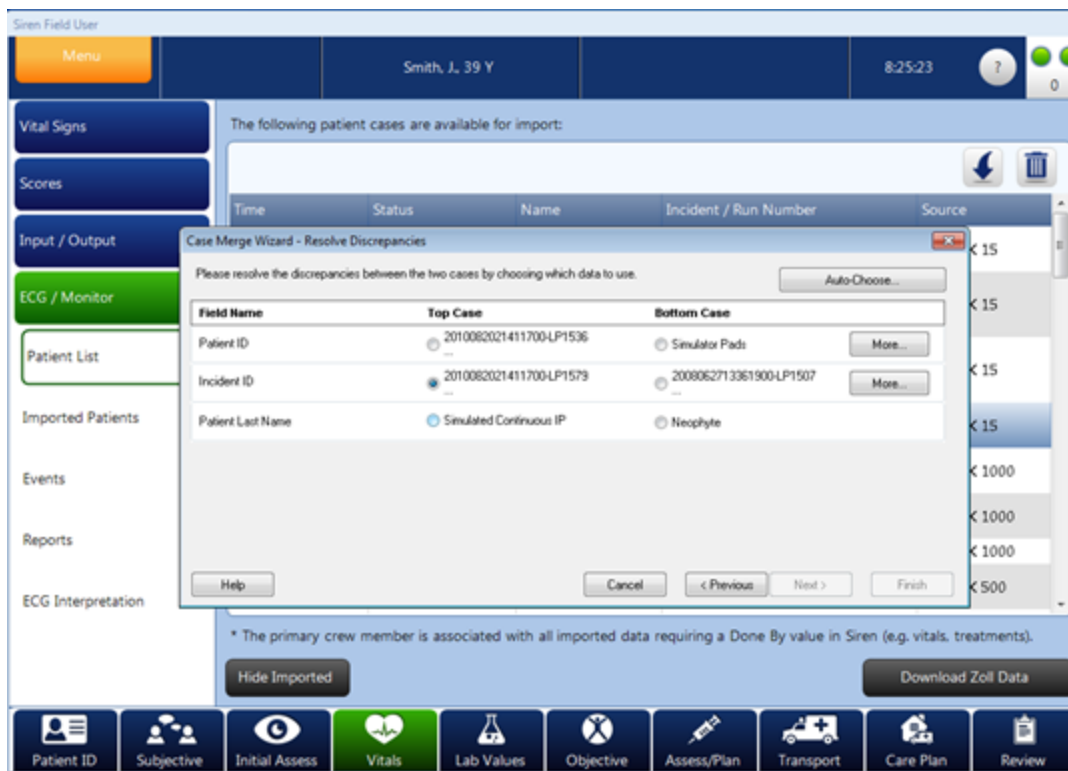
Patient ID Subjective Initial Assess Vitals Lab Values Objective Assess/Plan Transport Care Plan Review

If attempting to merge two LIFEPAK cases, the Case Merge Wizard will display:



Step 9: Click NEXT In the Case Merge wizard.

Step 10: Choose which data to keep.



- Step 11:** Click NEXT.
The two LIFEPAK files are merged into a new patient case.
- Step 12:** Click FINISH.
The new patient case is imported into the ePCR.

6.5.3.5 ECG Events and Reports

Once a defibrillator/monitor case is imported into an ePCR, you can review events/reports associated with that case.

To view events and reports:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/MONITOR.

Step 3: From the submenu, **click** EVENTS or REPORTS.

The screenshot displays the ePCR interface for a patient named Smith, J., 39 Y. The top navigation bar includes a 'Menu' button, the patient name, and the time 8:27:43. The left sidebar contains navigation options: Vital Signs, Scores, Input / Output, ECG / Monitor (highlighted in green), Patient List, Imported Patients, Events (highlighted with a green border), Reports, and ECG Interpretation. The main content area shows a table of ECG events:

Start Time	Description	Source
8/20/2010 21:41:29	Power On	LIFEPAK
8/20/2010 21:41:33	Initial Rhythm	LIFEPAK
8/20/2010 21:44:06	Print 1	LIFEPAK
8/20/2010 21:50:31	Print 2	LIFEPAK

At the bottom of the interface, there is a 'View Reports' button and a row of icons for various clinical functions: Patient ID, Subjective, Initial Assess, Vitals (highlighted in green), Lab Values, Objective, Assess/Plan, Transport, Care Plan, and Review.

6.5.3.6 Viewing Waveforms

Once a defibrillator/monitor case is imported into an ePCR, the you can attach waveforms to the ePCR. Attached waveforms can be printed and are also listed at the end of the ePCR.

Note: All ECG reports can be viewed via the ECG Manager.

Attaching Waveforms on an ePCR:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/Monitor.

Step 3: From the submenu, **click** Events or Reports, then **select** View Reports.

Start Time	Description	Source
8/20/2010 21:41:29	Power On	LIFEPAK
8/20/2010 21:41:33	Initial Rhythm	LIFEPAK
8/20/2010 21:44:06	Print 1	LIFEPAK
8/20/2010 21:50:31	Print 2	LIFEPAK

A Report screen opens allowing the you to select the reports that will be attached to the ePCR.

6.5.3.7 ECG Interpretation

This section is used to manually key-in the clinician's interpretation of the ECG.

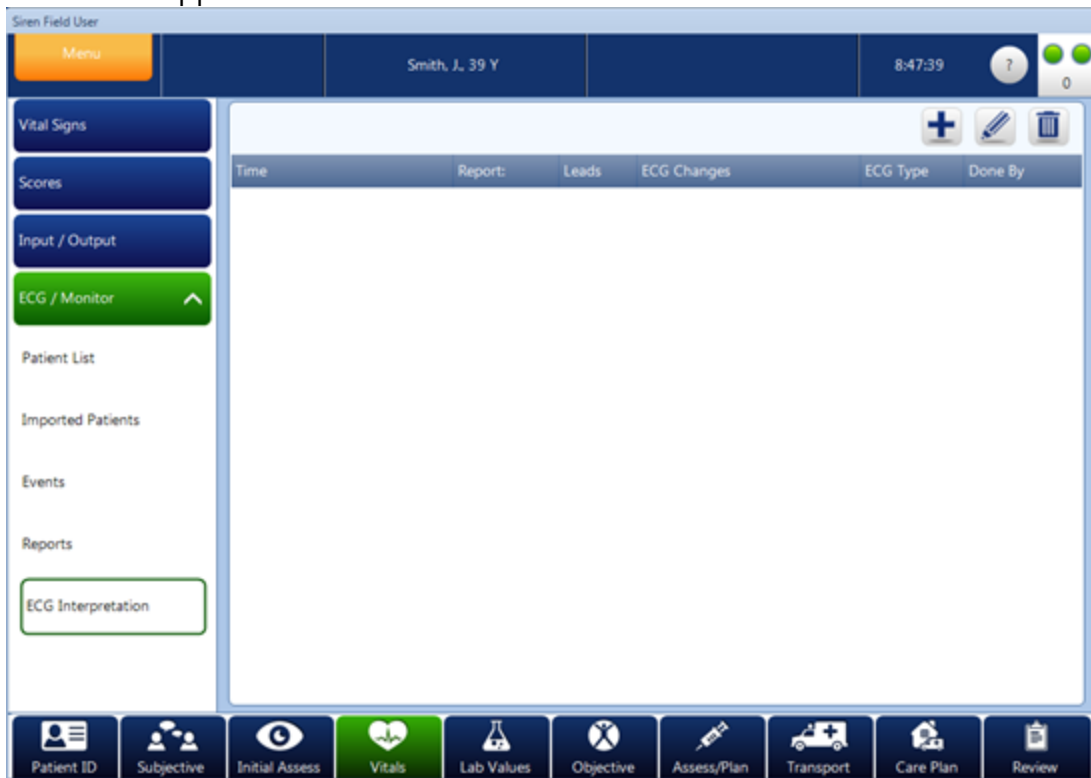
Adding ECG Interpretations:


Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/Monitor.

Step 3: From the submenu, **click** ECG Interpretation.

The ECG Interpretation Summary Table displays the sets already added to the ePCR. The section will appear blank if no data has been entered.



Step 4: Click the  ADD button to add enter an interpretation.

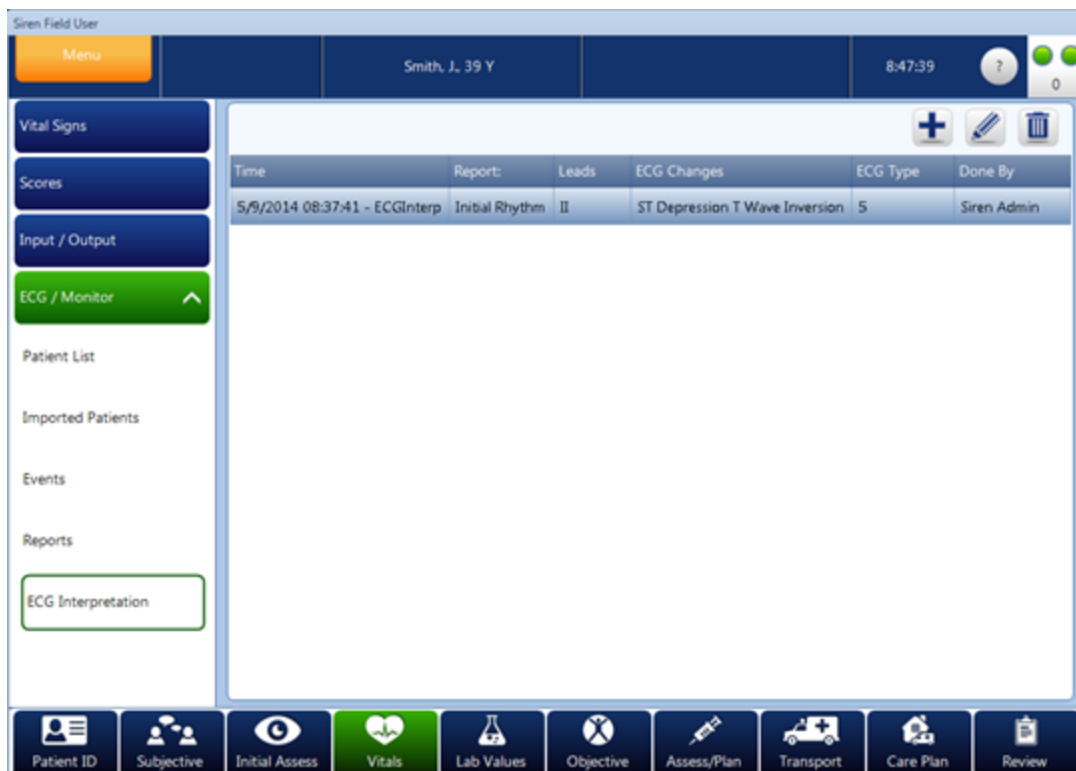
Step 5: Click SAVE.


Editing ECG Interpretations:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/MONITOR.

Step 3: From the submenu, **click** ECG Interpretation.



Step 4: **Select** the interpretation you want to edit, and then **click** the  button. A popup appears displaying the details of the selected interpretation.

Step 5: Use the form data entry tools to **enter** information.

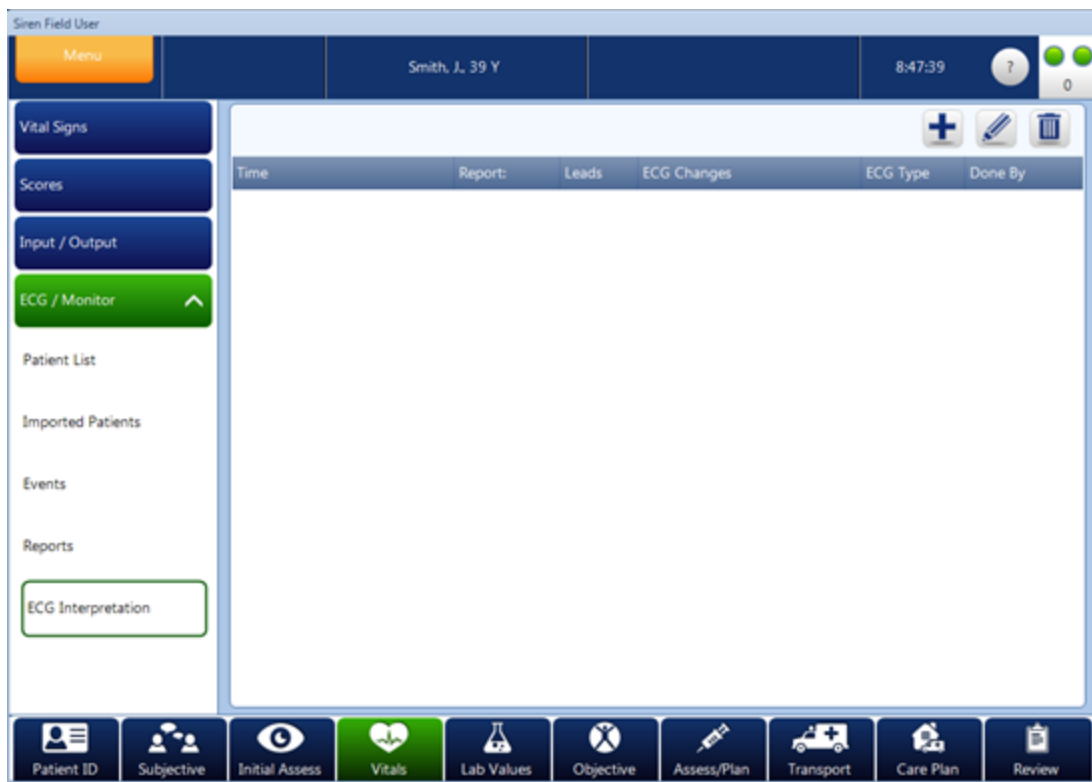
Step 6: **Click** SAVE to save the information.

Deleting ECG Interpretations:

Step 1: On the SOAP bar, **click** VITALS.

Step 2: On the Side Navigation Control, **click** ECG/MONITOR.

Step 3: From the submenu, **click** ECG Interpretation.



Step 4: Select the appropriate interpretation in the Summary Table and **click** the



button.

Step 5: Click YES to the confirmation message.

6.6 Lab Values

The Lab Values section allows you to enter advanced diagnostic information such as electrolytes, hematology, cardiac markers, coagulation and blood gases. It also allows entry of results of imaging technology such as CT, MRI, PET, Ultrasound, X-Ray, and Angiography.

The screenshot displays the Siren Field User interface. At the top, there is a header bar with a 'Menu' button, a patient ID '20160814-123456', a patient name 'Jones, L., 75 Y, M', a time '23:27:23', and a user ID '152'. Below the header, there is a sidebar with three buttons: 'Lab Values' (green), 'Chemistry' (dark blue), and 'Diagnostics' (dark blue). The main area is a large white space with a table header containing 'Time' and 'Done By'. At the bottom, there is a navigation bar with ten icons: Incident, Patient ID, ABCD, History, Vitals, Lab Values (highlighted in green), Assess / Plan, Outcomes, Care Plan, and Review.

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

**Click link above or proceed to page number listed for more information.*

6.6.1 Diagnostics

Siren Field User allows you to attach diagnostic results to the ePCR.

To attach a diagnostic file to an ePCR:

Step 1: On the SOAP bar, **click** LAB VALUES.

- Step 2:** From the Side Navigation Control, **click** DIAGNOSTICS.
- Step 3:** **Select** the type of diagnostic from the pick list.
- Step 4:** **Select** the appropriate Diagnostic from the Summary Table.
The following screen will appear.

X-Ray 20161104-1243 | James, S. H., 43 Y, U

Date/Time: 05/12/2016 22:04:00


Done By: Siren Admin

Details

File Name | Size (KB) | Date Modified

Previous Item | Next Item | [Dropdown] | [Up Arrow] | OK | Cancel



- Step 5:** **Click** the  ADD button.
Your computer's Browse screen will appear.
- Step 6:** Find the location of the File and **Select** it.
- Step 7:** **Click** OPEN.
- Step 8:** **Type** any details you would like to add under DETAILS (optional).
- Step 9:** **Click** OK.
You will now see the attachment listed in the Summary Table.

Date/Time	Item	Attachments	Details	Done By
11/14/2016 12:48:51	X-Ray	parent_xray.jpg;	The attached x-ray shows a leg fracture.	Siren Admin

To change the details of a diagnostic attachment:

- Step 1:** On the SOAP bar, **click** LAB VALUES.
- Step 2:** From the Side Navigation Control, **click** DIAGNOSTICS.
- Step 3:** **Select** one of the attachments listed.



- Step 4:** **Click** EDIT.
- Step 5:** **Type** any details you would like to add or change under DETAILS.

To detach a diagnostic attachment:

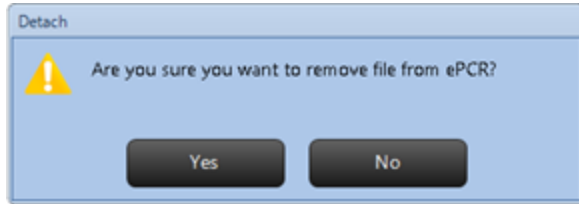
- Step 1:** On the SOAP bar, **click** LAB VALUES.
- Step 2:** From the Side Navigation Control, **click** DIAGNOSTICS.
- Step 3:** **Select** one of the attachments listed.



- Step 4:** **Click** EDIT.




- Step 5:** **Click** DETACH.
The Detach confirmation screen will appear.



Step 6: Click YES.

Step 7: Click SAVE.



Note: To detach all the files, click  in Step 5 above.

To open a diagnostic attachment:

Step 1: On the SOAP bar, **click** LAB VALUES.

Step 2: From the Side Navigation Control, **click** DIAGNOSTICS.

Step 3: **Select** one of the attachments listed.



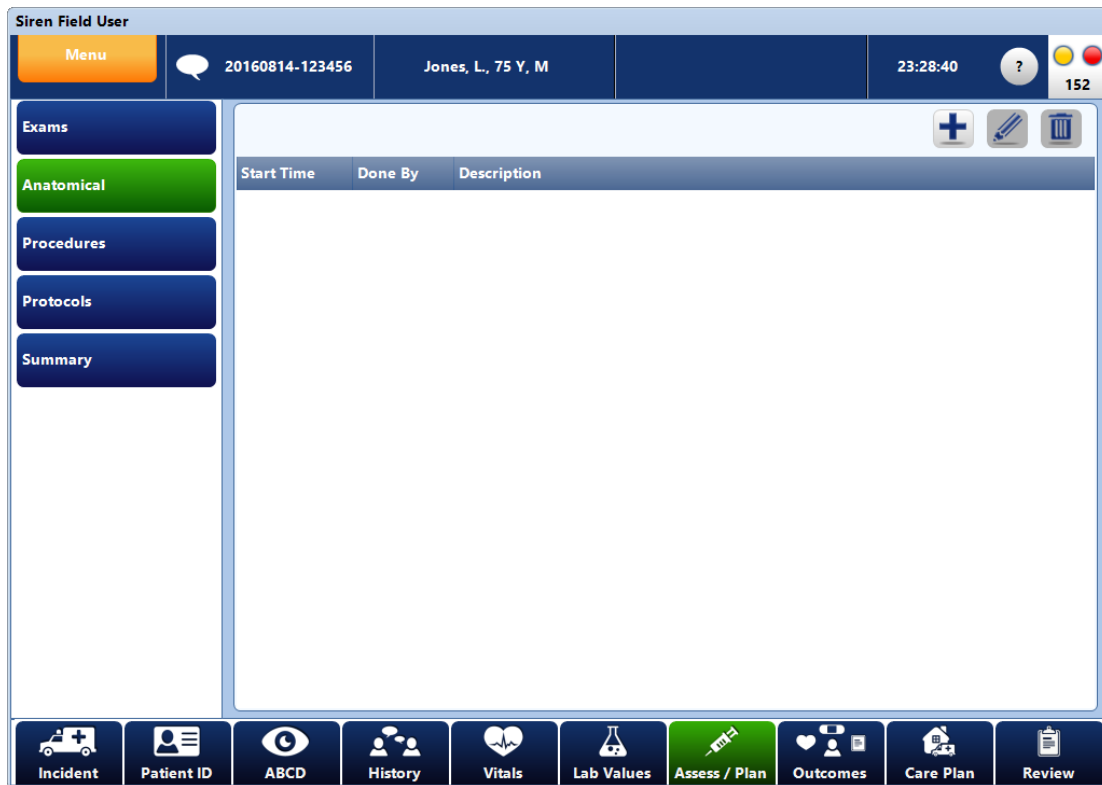
Step 4: **Click** OPEN FILE button.

The file will open within the application associated with that file type.

Note: Files can only be opened and edited if the accompanying software is installed on the tablet. For example, if the file is a Microsoft® Word file, Microsoft® Word must be installed on the tablet in order to edit the file. A message stating "Required program is not available" is displayed if the software is not installed.

6.7 Assess/Plan

The Assess/Plan section is used to document assessments, treatments, protocols, and view a summary. This section also displays mannequins (based on the patient's age and sex) with front, back, left, and right side views. Mannequins allow multi-body part selection and can display injury/observation selections in callouts with a line to the associated body part.



The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

[Anatomical Documentation](#) ⁽¹⁰⁹⁾

**Click link above or proceed to page number listed for more information.*

6.7.1 Anatomical

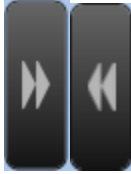
The Anatomical section allows the site of an injury/observation to be specified by charting information on a virtual mannequin. The mannequin that appears will be based on the documented patient sex and age. The mannequin will allow multi-body part selection and can display injury/observation selections in callouts, with a line to the associated body part. Multiple sets of anatomical observations associated with a specific date/time and "done by" may be documented.

Entering Information in Anatomical

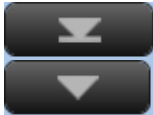
To enter anatomical information, select a region of the body and then select injuries and observations associated with that region. Zooming is available for areas with small body parts (e.g. to select the left eye on the head, or a single digit on a hand).

Anatomical Controls:

The following describes controls available to facilitate entering data via the mannequin:

**Double Arrows**

Used to rotate the mannequin.

**Single Arrows-**

Used to position the mannequin when using zoom.

**Zoom In-**

Used to zoom in on the mannequin. If grey, not available.

**Zoom Out-**

Used to zoom out on the mannequin. If grey, not available.

**Cancel Zoom-**

To return to original view. If grey, mannequin is in original view.

**Single-Body Part-**

To select one body part at a time.

**Multi-Body Part-**

To select multiple body parts at a time. This helpful when a patient has abrasions from head to toe. Simply tap the 'Multi-Body Part Selection' mode button, select all of the injured body parts, and then select the injuries / observations that are applicable to all body parts.

**Show/Hide Grid-**

Used to show or the grid on the mannequin. Turning on the grid can help select the most accurate position on the body.

To enter information in Anatomical one body part a time:

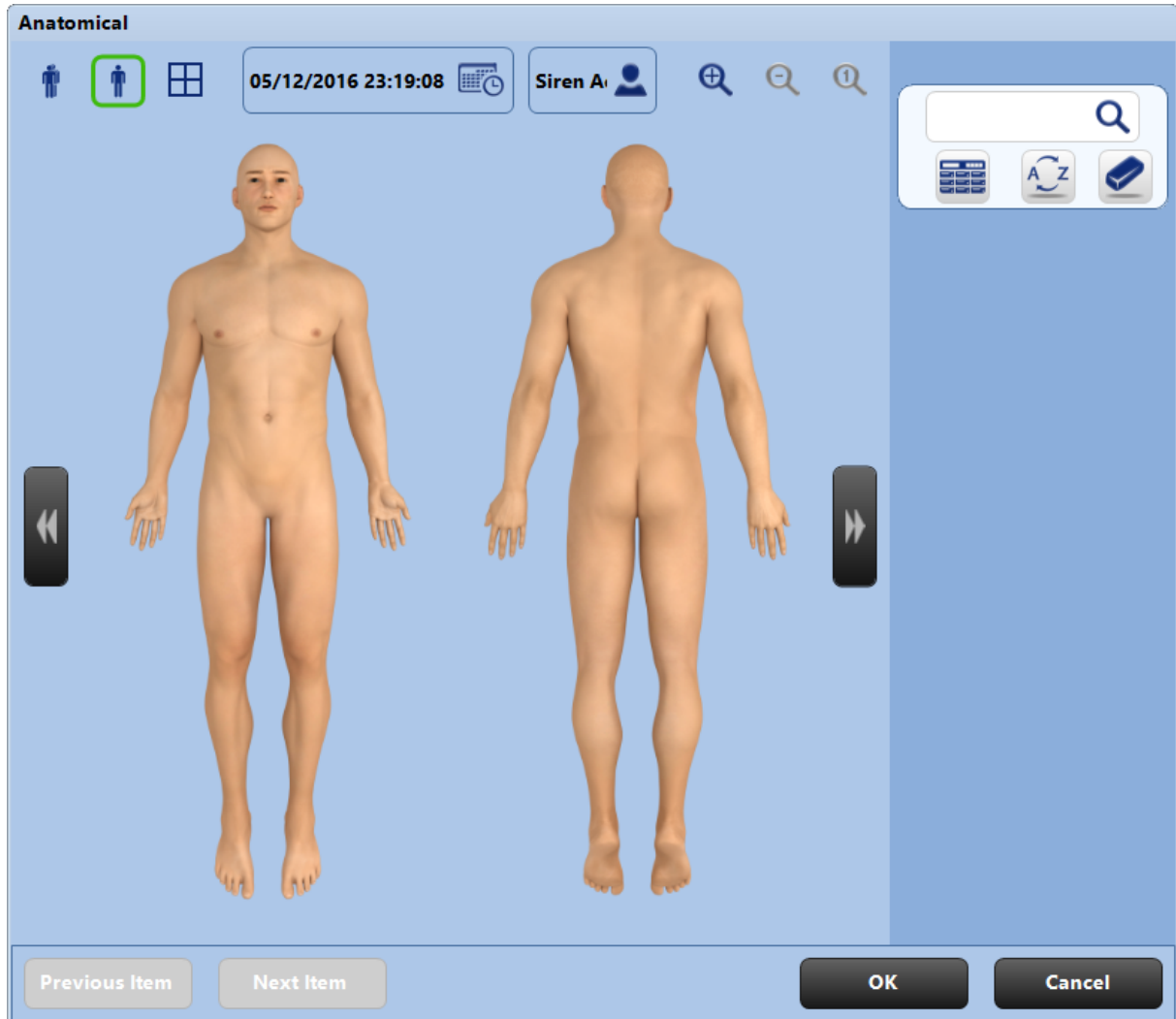
Step 1: On the SOAP bar, **click** ASSESS/PLAN.

Step 2: **Select** Anatomical from the Side Navigation Control.



Step 3: **Click** the ADD button.

The anatomical screen will appear showing the mannequin.



Step 4: **Click** a region of the body.

The area will turn yellow indicating that it has been selected.

An injury/observation Pick List will appear on the right side of the screen. The injury/observation Pick List options will vary according to the body part selected. For example, injuries to the eye are different than injuries that could occur to the cervical spine.

Step 5: **Select** an option from the Injury Pick List.

A Callout will now be displayed beside the injury.

Note: *The Callout can be clicked to expand.*

Step 6: Click OK.

Note: *Remember when the buttons in Pick Lists are pressed twice it will be in the pertinent negative state and will appear orange with a line through the text. By pressing the button again it will return to the unselected state.*

To rapidly enter information in Anatomical for multiple body parts with the same injury/observation, you can use Multi-Body Part Selection mode:

Step 1: On the SOAP bar, **click** ASSESS/PLAN.

Step 2: **Select** Anatomical from the Side Navigation Control.



Step 3: **Click** the ADD button.

The anatomical screen will appear showing the mannequin.

Step 3: **Click** the Multi-Body Part button.

Step 4: **Click** the regions of the body you would like to select.

The areas will turn yellow indicating that they have been selected.

An injury/observation Pick List will appear on the right side of the screen. The injury/observation Pick List options will vary according to the body parts selected.

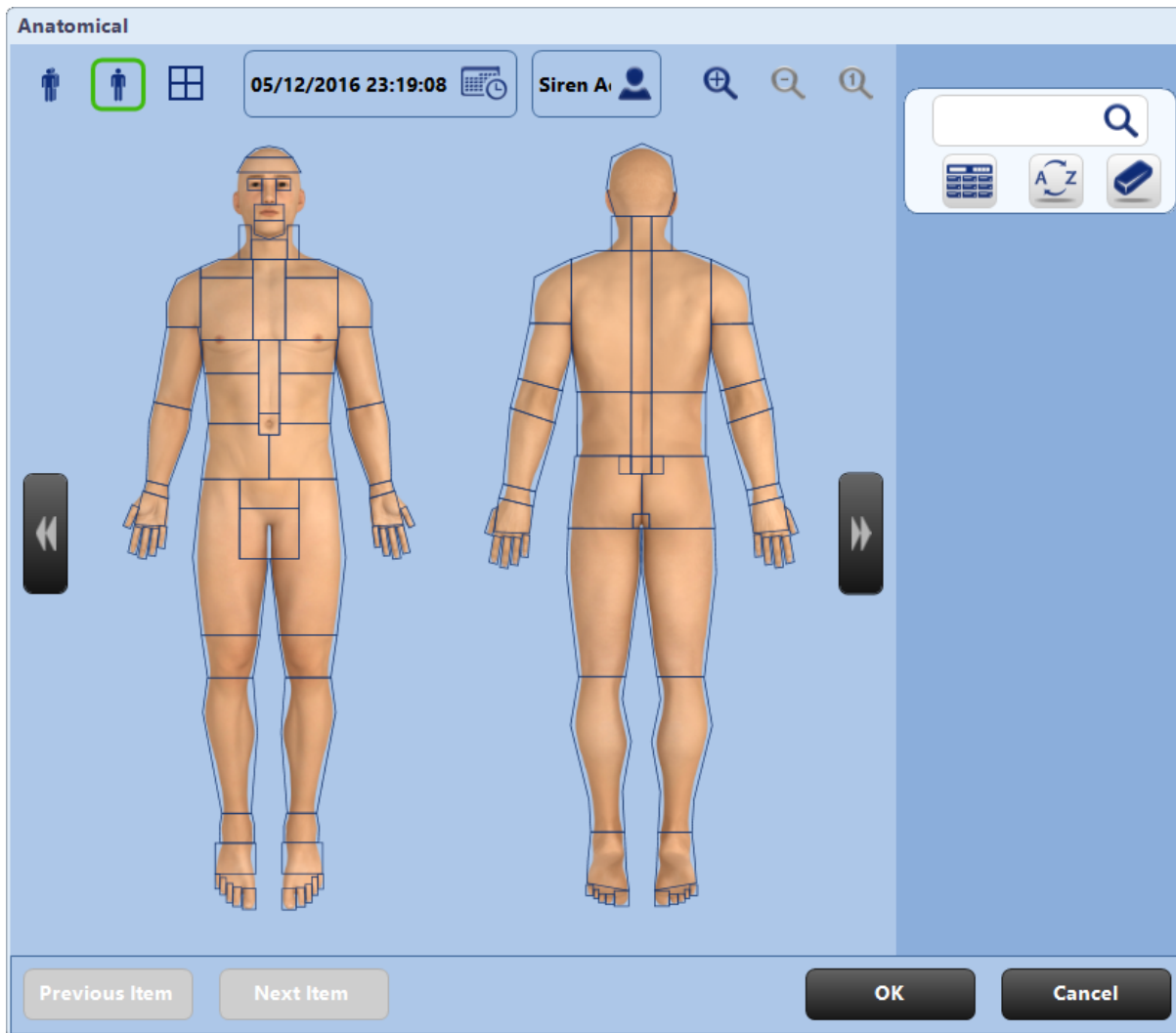
Step 5: **Select** an option from the Injury Pick List.

A Callout will now be displayed beside the injury sites.

Note: *The Callout can be clicked to expand.*

Step 6: Click OK.

Note: *Remember when the buttons in Pick Lists are pressed twice it will be in the pertinent negative state and will appear orange with a line through the text. By pressing the button again it will return to the unselected state.*



6.8 Outcomes

The Outcomes section is used to capture patient outcome information such as whether the patient was treated and/or transported, cardiac arrest details, and whether stroke/CVA systems were resolved. This section also permits documenting the supplies used during the call, as well as reference materials associated with the ePCR.

The screenshot displays the 'Siren Field User' interface. At the top, there is a navigation bar with a 'Menu' button, a patient ID '20160814-123456', patient name 'Jones, L., 75 Y, M', and a time '23:29:34'. Below this, there is a sidebar with three buttons: 'Patient Outcomes' (blue), 'Supplies Used' (blue), and 'Reference' (green). The main content area contains several input fields: 'Destination Medical Record #', 'Sending Facility Medical Record #', 'Trauma Registry ID Number', 'Fire Incident Report Number', 'Patient ID Band / Tag Number', and 'Law Enforcement / Crash Report Number'. Below these fields are two buttons for 'Review Requested': 'Yes' and 'No'. At the bottom, there is a navigation bar with icons for 'Incident', 'Patient ID', 'ABCD', 'History', 'Vitals', 'Lab Values', 'Assess / Plan', 'Outcomes', 'Care Plan', and 'Review'.

Entering Outcomes Information

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

[Long Caption Pick List](#) ⁽⁴⁴⁾

**Click link above or proceed to page number listed for more information.*

6.9 Care Plan

The Care Plan section permits documenting Primary Impression and Secondary Impressions, the patient's health care plan, advice provided to the patient or caregiver, and concerns regarding the patient. Additionally, this section can capture information pertaining to referrals and encounters in which the EMS crew discharges the patient outside of the hospital setting.

The screenshot displays the Siren Field User interface. At the top, the user is identified as 'Siren Field User' with a 'Menu' button. The patient information includes a phone number '20160814-123456', name 'Jones, L., 75 Y, M', and time '23:30:22'. A notification icon shows '152'. The left sidebar contains 'Impressions', 'Care Summary', and 'Patient Release' (highlighted in green). The main area has a navigation bar with 'Other' and a search bar. Below is a table with columns: 'Referral Date / Time', 'Item', 'Details', and 'Done By'. The bottom navigation bar includes: Incident, Patient ID, ABCD, History, Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan (highlighted in green), and Review.

Entering Information in Care Plan

The different types of data entry in this section include:

[Numeric fields](#) ⁽³³⁾

[Date/Time fields](#) ⁽³⁴⁾

[Free Text](#) ⁽³⁶⁾

[Pick List](#) ⁽³⁷⁾

[Summary Pick Lists](#) ⁽⁴²⁾

[Long Caption Pick List](#) ⁽⁴⁴⁾

**Click link above or proceed to page number listed for more information.*

6.10 Review

By selecting REVIEW on the SOAP bar and PRINT PREVIEW from the Side Navigation Control, an ePCR preview opens. You can review the report on this screen.

The screenshot displays the Siren ePCR Review interface. At the top, the user is identified as 'Siren Field User' with a 'Menu' button. The patient information bar shows the ID '20160814-123456', name 'Jones, L., 75 Y, M', and time '23:31:32'. A notification count of '153' is visible in the top right.

The left sidebar contains navigation options: 'Print Preview' (highlighted in green), 'Required', and 'Signatures & Waivers'. The main content area displays the report details:

- Created:** 14/08/2016 13:33:00 (EDT)
- Response Number:** 20160814-123456
- Finalized:** No
- Patient 1 of 1**
- Report Number:**

The patient information section shows: **PATIENT Jones, L 75 Years (Actual) Male 168 Pounds**.

The **Complaints** section lists: **Primary Symptom: Abnormal breathing pattern**.

The **HISTORY OF PRESENT ILLNESS** section includes:

- Symptoms:** Cardiovascular : Chest Pain;
- Pertinent Negatives:** Cardiovascular : No Shortness of Breath;

The **ABCD** section shows:

- Primary Survey:** Start time: 14/08/2016 21:48:14
- Done by: Siren Admin
- Airway: Patent
- Breathing: Inadequate

At the bottom, a navigation bar contains icons for Incident, Patient ID, ABCD, History, Vitals, Lab Values, Assess / Plan, Outcomes, Care Plan, and Review (highlighted in green).

6.10.1 Print Preview Button Selections

**Fax**

Fax the ePCR.

**Print**

Send the ePCR to a printer.

**Finalize**

Finalize the ePCR. By finalizing an ePCR, you have identified the ePCR is complete and accurate to the best of your knowledge.

6.10.2 Faxing ePCRs

To fax the report:

Step 1: On the SOAP bar, **click** REVIEW.

Step 2: **Click** PRINT PREVIEW from the Side Navigation Control.



Step 3: **Click** the FAX button.

Step 4: **Select** the facility to receive the ePCR, and the fax number will populate.

Step 5: **Click** OK.

Note: To facilitate secure printing, facilities must be pre-configured with fax numbers.

6.10.3 Printing ePCRs

To send the report to a printer:

Step 1: On the SOAP bar, **click** REVIEW.

Step 2: **Click** PRINT PREVIEW from the Side Navigation Control.



Step 3: **Click** the PRINT button.

Step 4: Choose the desired print destination.

Step 5: **Click** OK.

Note: A Windows print dialog may appear.

Step 6: **Click** OK.

Note: A printer must be installed on the tablet or network before printing from the tablet PC.

6.10.4 Required Fields

Required fields are specified by an administrator during installation. By selecting Required in REVIEW, the information entered on the ePCR is analyzed to determine if any required fields have been overlooked.

Note: *Specific patient information depending on the response outcome selected from Transport > Outcomes > General > Response Outcome will be required. This helps to ensure that all the patient data is collected. The ePCR cannot be marked as complete until all required fields contain data.*

Required Button Selections

**Override**

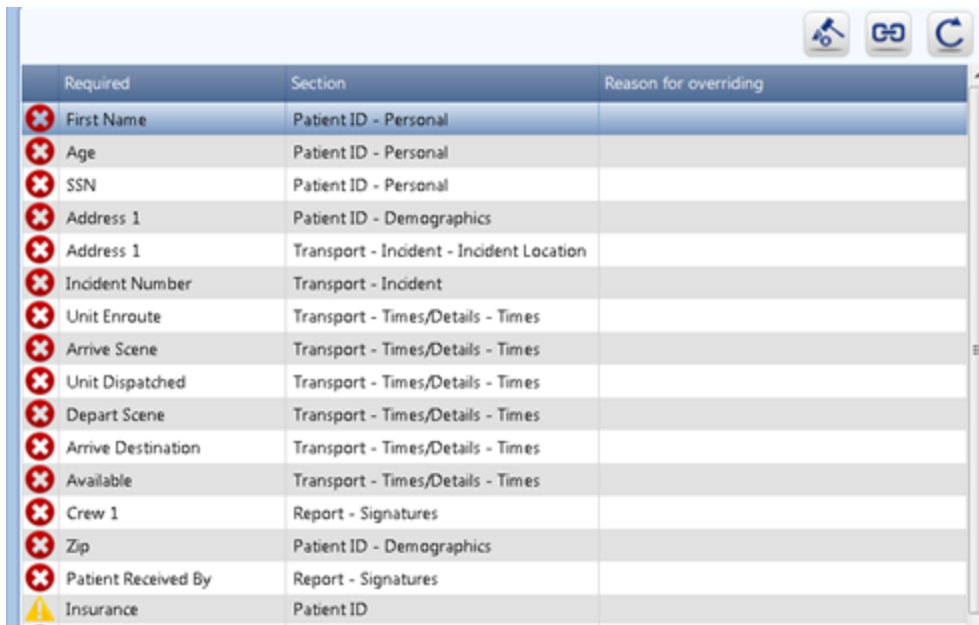
Override required fields.

**Link To**

Link to remaining required fields that need to be completed.


**Refresh**

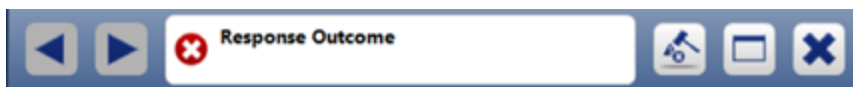
Refresh the remaining required fields.

To complete required fields:**Step 1:** On the SOAP bar, **click** REVIEW.**Step 2:** **Click** REQUIRED from the Side Navigation Control.
All required fields will be displayed.


Required	Section	Reason for overriding
✘ First Name	Patient ID - Personal	
✘ Age	Patient ID - Personal	
✘ SSN	Patient ID - Personal	
✘ Address 1	Patient ID - Demographics	
✘ Address 1	Transport - Incident - Incident Location	
✘ Incident Number	Transport - Incident	
✘ Unit Enroute	Transport - Times/Details - Times	
✘ Arrive Scene	Transport - Times/Details - Times	
✘ Unit Dispatched	Transport - Times/Details - Times	
✘ Depart Scene	Transport - Times/Details - Times	
✘ Arrive Destination	Transport - Times/Details - Times	
✘ Available	Transport - Times/Details - Times	
✘ Crew 1	Report - Signatures	
✘ Zip	Patient ID - Demographics	
✘ Patient Received By	Report - Signatures	
⚠ Insurance	Patient ID	

The Section column lists where the field is located in the application. The Required column identifies the required field. Items with a stop sign indicate required information, and items with a yield sign are optional.

Step 3: **Select** a required field in the list and then click the  LINK TO button. Siren will automatically take you to the data input pane for the selected field. The specific field for the link will be the underlined caption in red.



A Link To navigation control will appear within the Information Bar immediately to the left of the communications lights at the top of the screen.

The Link To navigation control will include the following buttons:**Previous**

Navigate to the previous required field in your mandatory validation list. If the button is greyed out, there are no more items to navigate back to.

**Next**

Navigate to the next required field in your mandatory validation list. If the button is greyed out, there are no more items to advance to.

**Override**

Override required fields.

**Return to List**

Return to the mandatory items list.

**Close**

Refresh the remaining required fields.

Step 4: Enter your data into the field within the Data Entry Pane.



Step 5: Click PREVIOUS or NEXT scroll buttons to navigate to the remaining required fields. The required field caption is also listed in the Link To navigation message box.



Step 6: Click RETURN TO LIST to open the required fields list and quickly link to another field.

Overriding Required Fields

Situations may arise that require the medic to override a required field. Overrides can be performed directly from the toolbar.

Overriding a Required Field:

Step 1: On the SOAP bar, **click** the REVIEW button.

Step 2: On the Side Navigational Control, **click** REQUIRED.

Step 3: From the summary table list, **select** the field you wish to override.



Step 4: **Select** the **OVERRIDE** button to open a Reason for Overriding pick list.



Step 5: **Select** the reason.

Step 6: **Click** OK.

6.10.5 Signatures & Waivers

Signatures & Waivers button allows you to sign the ePCR. Typical signatures include crew member, patient, and witness signatures. The types of signatures are determined by your organization.

To enter a signature:

Step 1: On the SOAP bar, **click** the REVIEW button.

Step 2: **Click** SIGNATURES & WAIVERS from the Side Navigation Control.

Step 3: **Click** the submenu button for the appropriate signature.

A signature box appears on the Data Entry Pane.

***Tip:** The signature preview box can be double tapped to access the signature capture box*

Step 4: **Click** the ENTER SIGNATURE button

A popup appears for entering the signature

***Note:** Crew members must enter their password again before signing the ePCR.*

***Note:** The patient (or person reading waiver) is required to scroll through legal waivers before signing.*

Step 5: **Sign** on the line provided in the signature box.

***Tip:** When the signature box is displayed, the area outside the box (to the left, right, top, and bottom) is disabled. This provides the signer the ability to rest their palm edge on the screen to steady it for signing.*

Step 6: **Click** OK.

6.10.6 Finalize an ePCR

Finalizing an ePCR locks the ePCR so that it cannot be modified on the tablet. An ePCR cannot be finalized until all the required fields are complete.


To finalize an ePCR:

Step 1: On the SOAP bar, **click** the Review button.

Step 2: **Complete** the required fields.

Step 3: **Click** PRINT PREVIEW.



The FINALIZE button  becomes enabled if all the required fields have been entered. Remaining fields are listed in the required fields list. You must enter fields indicated with a stop sign before ePCRs can be finalized.

Step 4: **Click** the FINALIZE button.

A report must be finalized before it is complete. This indicates to others on the system that the ePCR was completed and that all of the required fields are overwritten. After the report is finalized, it can no longer be edited on the tablet unless a web user transfers the ePCR back.

7 Auto ePCR Removal & Retrieval

To improve the primary medic's access to their unfinalized ePCRs, and prevent them from accidentally leaving finalized and unfinalized ePCRs on the tablet, Siren includes the concepts of Auto ePCR Removal & Auto ePCR Retrieval.

Auto Removal of Unfinalized ePCRs

When logging off Siren's global crew list (or exiting Siren), the primary crew member of one or more unfinalized ePCRs will be asked whether they wish for their ePCRs to be removed from the tablet.

Selecting 'Yes', results in all ePCRs where that user is the primary crew, being removed from the tablet.

Selecting 'No' allows the ePCRs to remain on that tablet (useful for situations in which the crew is temporarily shutting down the tablet); however, if another crew logs in, all unfinalized ePCRs not associated with that primary crew will be removed from the tablet automatically.

Auto Removal of Finalized ePCRs

All finalized ePCRs exceeding the configured 'maximum age' threshold will be removed from the tablet upon starting or exiting Siren.

Manual ePCR Removal

In addition to Auto ePCR Removal, ePCRs can be manually removed if they are unfinalized and they are no longer required (e.g. ePCR created in error). Finalized ePCRs cannot be manually removed.

Auto Retrieval of Unfinalized ePCRs

When crew members login to Siren's global crew list, all unfinalized ePCRs documented by the primary crew member will be sent from the server to the tablet (e.g. ePCRs removed via auto removal). The rate of arrival will vary according to network speed and server load.

When opening any ePCR, the originating Crew for the ePCR will be compared to users that are currently logged into tablet (Global Crew List). If the crew lists differ, you will be prompted to authenticate before opening/editing the ePCR. Only individuals who were part of the ePCR crew list will be permitted to open the ePCR. This will mitigate the possibility of unauthorized users viewing ePCRs for which they were not crew members.