

# ImageTrend Elite

Transitioning from NEMESIS v2 to NEMESIS v3

Fall / Winter 2016

# What is Changing

- Transitioning to a new ImageTrend platform called Elite
- VCEMS data standards are also improving, aligning ourselves with the new National and State requirements.
- While the look and feel of our ePCR will be completely different, the core concepts and intent remain unchanged



# Why the Change?

- NEMESIS and CEMSIS standards have changed
- New NEMESIS dataset - Version 3
- More accurate, and complete, patient care record



# Implementation Timeline

September  
2016  
Pilot Training



10/3/2016  
Pilot Go-Live



November  
2016  
Countywide Training



12/13/2016  
Countywide Go-Live



# Terminology

## Version 2 Dataset (Old)

- Service Bridge / Rescue Bridge
  - The website administrators and users access to make changes to agency information, add users, and view or update records
- FieldBridge
  - An installed application the majority of our providers used to document EMS patient care.

## Version 3 Dataset (New)

- Elite
  - A website administrators and users will access to make changes to agency information, add users, and add/view/update records.
  - *Access to this site requires connection to the internet.*
- Elite *Field*
  - Used to document patient care in the field
  - Can be used with or WITHOUT an internet connection.

# What is Different?

- Appearance
- Functionality
- A single system template
- NOT Values (NV) and Pertinent Negatives (PN)
- Assessment and Exams

Find field...

Save Print PDF CAD EKG Transfers Messages Close

### Treatment / Vitals

Level of Service Provided: BLS Only ALS (Base Hospital Contact) ALS No-Contact

ALS Evaluation / BLS Transport

Base Hospital Contact Date: [Date Input]

Base Hospital Contacted: Los Robles Hospital & Medical Center Ventura County Medical Center St. John's Regional Medical Center Simi Valley Hospital

Barriers to Patient Care: Find Value...

Vitals + Add

Procedures + Add

Indications for Invasive: Airway Compromise Apnea or Agonal Respirations Illness Involving Airway

Airway: Interv. Respiratory

43 Validation Menu Status: In Progress

# The Run Form - Elite vs Elite Field

## Elite Runform

The Elite Runform interface features a top toolbar with buttons for Save, Print, CAD, EKG, Transform, and Close. The main content area is titled "Scene Info." and contains several form fields: "First EMS Unit on Scene" with "No" and "Yes" buttons; "Other Agencies On Scene" with an "+ Add" button; "Number of Patients at Scene" with "Single", "Multiple", and "None" buttons; "Multi Casualty Incident" with "No" and "Yes" buttons; "Triage Classification for MCI Patient" with "Red - Immediate", "Yellow - Delayed", "Green - Minor", and "Black - Deceased" buttons; "Triage Tag #:" with a text input field; "Incident Location Type:" with a dropdown menu; and "Type of Scene Delay:" with a "Find Value..." search field. A right-hand sidebar contains icons for various medical and administrative functions. The bottom status bar shows "43" and "Status: In Progress".

## Elite *Field* Runform

The Elite Field Runform interface is similar to the standard Elite Runform but includes a "Post" button in the top toolbar. The "Scene Info." section contains the same form fields as the standard version. Two red arrows point to the "Post" button and the "ELITE FIELD" header. The bottom status bar shows "40" and "Status: In Progress".



# The Run Form - Sections and Panels

Sections

Panels

The screenshot displays a medical form interface. On the left is a sidebar with a search bar labeled "Find field...". Below it are several sections, each with a red exclamation mark icon and a dropdown arrow: "Report", "Incident", "Patient", "Assess/Treat", "Complaint / Impression", "Assess / Exam", "Treatment / Vitals", "Protocols", "Specialty Care Conditions", and "Narrative". At the bottom of the sidebar are "Signatures" and "Service / System Defined Questions". The main area is titled "Complaint / Impression" and contains several panels. The "Patient Complaints" panel is highlighted with a red border and contains an "+ Add" button. Other panels include "Chief Complaint Anatomic Location:", "Chief Complaint Organ System:", "Provider's Primary Impression:", "Provider's Secondary Impressions:", and "Work-Related Illness/Injury:". A red arrow points from the "Complaint / Impression" section in the sidebar to the "Patient Complaints" panel in the main area.

Find field...

Save Print PDF CAD EKG Transfers Messages Close

! Report

! Incident

! Patient

! Assess/Treat

! Complaint / Impression

! Assess / Exam

! Treatment / Vitals

! Protocols

! Specialty Care Conditions

! Narrative

Signatures

Service / System Defined Questions

Complaint / Impression

Date/Time of Symptom Onset/Last Normal:

! Patient Complaints

+ Add

Chief Complaint Anatomic Location:

Chief Complaint Organ System:

Provider's Primary Impression:

Provider's Secondary Impressions:

Find Value...

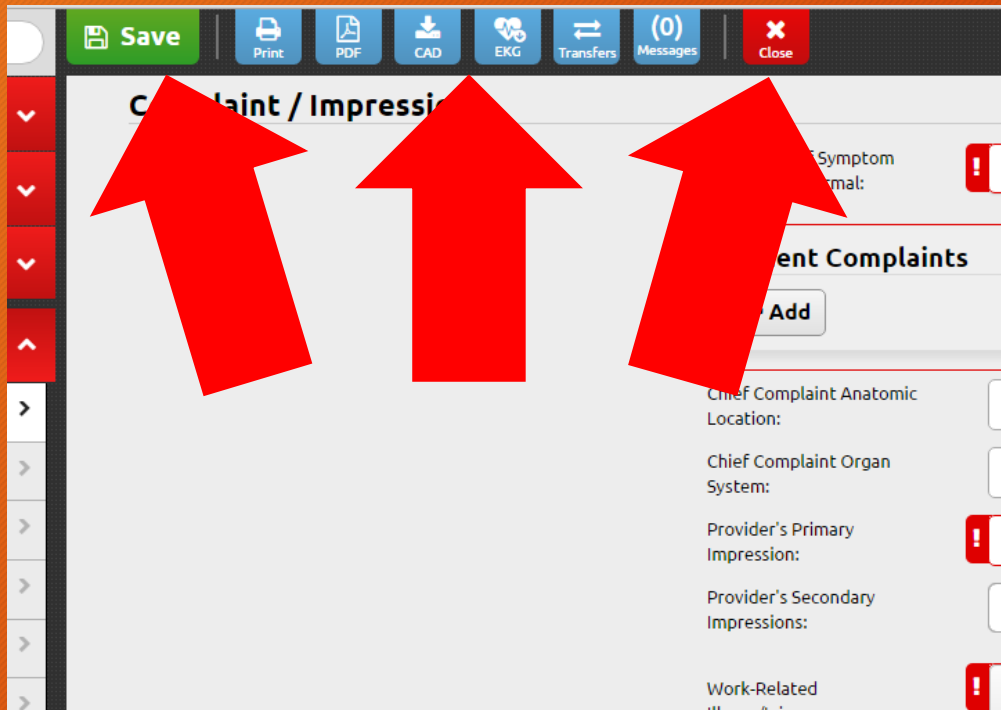
Work-Related Illness/Injury:

No Unknown Yes

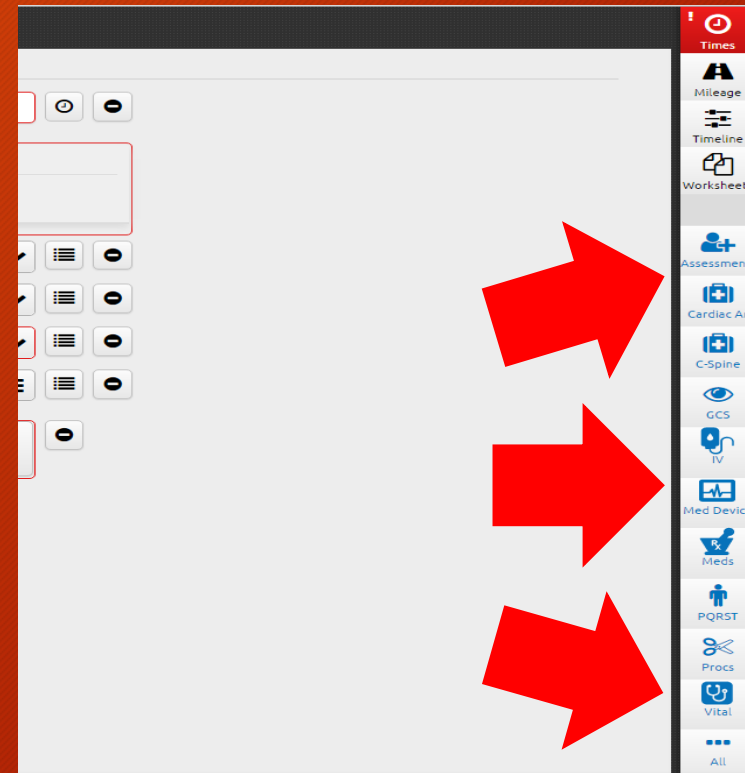


# The Run Form - Buttons and Power Tools

## Buttons



## Power Tools



# The Run Form - Validation and Menu

## Validation

The Validation menu is a dark-themed list with a title bar containing an exclamation mark icon and the word "Validation". It contains seven items, each with a red circle containing the number "1" on the left and a right-pointing arrow on the right. The items are:

- Actual / Potential Specialty Care Activations**  
Specialty care activation is required on all cases where patient contact is made. (Error: 814)
- Advance Directives**  
The presence of a valid advance directive, POLST, DNR, etc. is required when patient contact has been made. (Error: 695)
- Alcohol / Drug Use Indicators**  
Documentation of actual / potential drug or alcohol use by the patient is required when patient contact is made. (Error: 697)
- Arrived at Patient Side Time/Date**  
Document the time the crew arrived at patient side. (Error: 567)
- Barriers to Patient Care**  
Barriers to Patient Care is required when patient contact is made. (Error: 526)
- Crew Member Level**  
Crew Member Level is a required field. (Error: 541)
- Crew Member Level**  
Crew Member Level is a required field. (Error: 541)

## Menu

The Menu is a dark-themed list with a title bar containing a hamburger menu icon and the word "Menu". It contains seven items:

- Attachments
- Addendums
- Incident Audit Report
- Associate Fire Incident
- Messages
- Delete
- Lock



# The Run Form - Incident Timeline

- Timeline tracks various data as it is documented.
- Highlights red if there is something missing
- Allows user to 'jump' to specific fields
- Useful when providing a handoff report to another agency or hospital

The screenshot displays a software interface for an incident timeline. At the top, there are two tabs: "Incident Timeline" (selected) and "Patient Encounter Timeline". A date separator indicates "07/29/2016". The timeline consists of a vertical line on the left with colored circular markers (yellow for incident events, blue for patient encounter events) and a list of events on the right. Each event entry includes a time, an icon, a description, and a right-pointing arrow. The events are as follows:

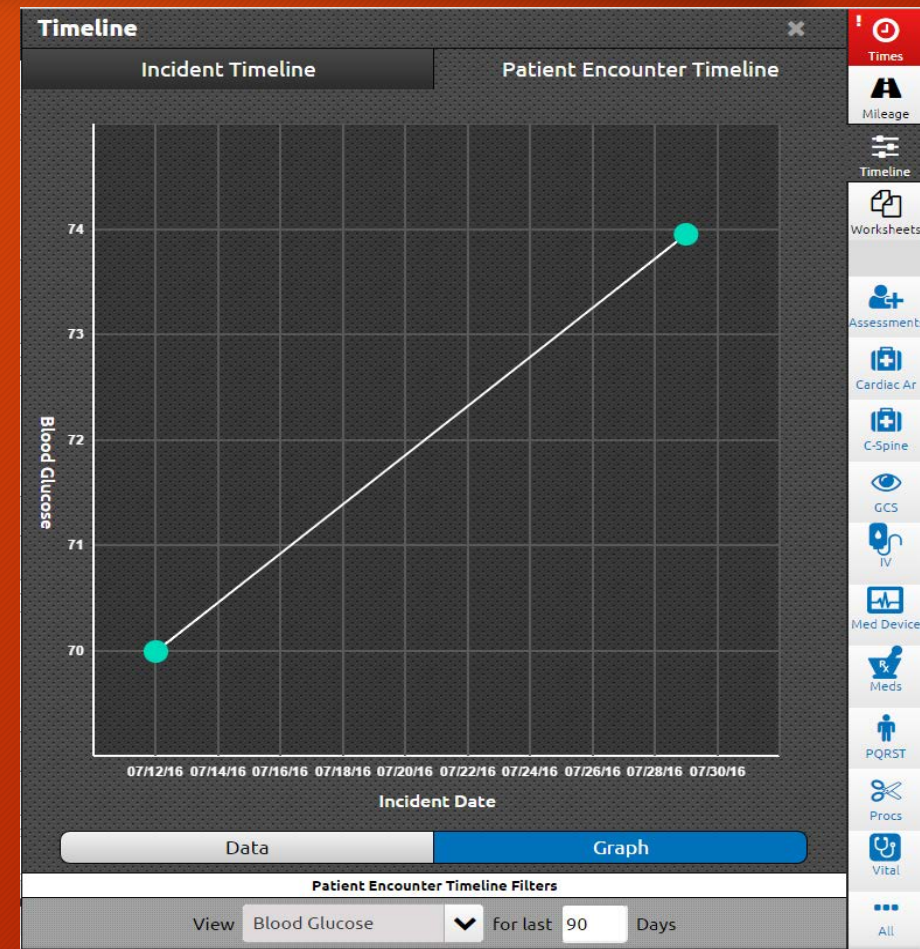
Time	Event Description	Category
03:27	Dispatch Notified	Incident
03:28	Unit Notified by Dispatch	Incident
03:29	Unit En Route	Incident
03:31	Unit Arrived on Scene	Incident
03:50	Unit Back in Service	Incident
07:47	Exam	Patient Encounter
07:47	Vitals - Resp: 18 BP: 120/72 Pulse: 80 GCS: 15 BG: 88	Patient Encounter
07:48	Patient Assessment (Adult or Peds) A.A.	Patient Encounter
--:--	Medication	Patient Encounter

Below the main timeline, a dashed line separates it from a section labeled "No Associated Date/Time". On the right side of the interface, there is a vertical sidebar with various icons and labels: "Times", "Mileage", "Timeline", "Worksheets", "Assessment", "Cardiac Ar", "C-Spine", "GCS", "IV", and "Med Device".



# The Run Form - Pt. Encounter Timeline

- Element of timeline tool that trends patient care data over multiple encounters.
- Useful for patients where trending may aid in clinical decisions (diabetic, pain, etc)
- Can switch between different views such as Blood Glucose, Blood Pressure, Heart Rate, Impression
- Requires multiple data points to trend, ideally 3 or more.



# The Run Form - Grids

- Grids are used to organize various data elements
- Used throughout the runform
- For multiple entries, several grids need to be created
  - Chief Complaint
  - Secondary Complaint

The image displays a medical form interface with a grid of sections and a detailed view of the 'Patient Complaints' section.

**Grid Sections:**

- Patient Complaints:** Includes a '+ Add' button, 'Provider's Primary Impression:' field, and 'Provider's Secondary Impressions:' field with a 'Find Value...' button.
- Vitals:** Includes a '+ Add' button.
- Procedures:** Includes a '+ Add' button.
- Medications:** Includes a '+ Add' button.

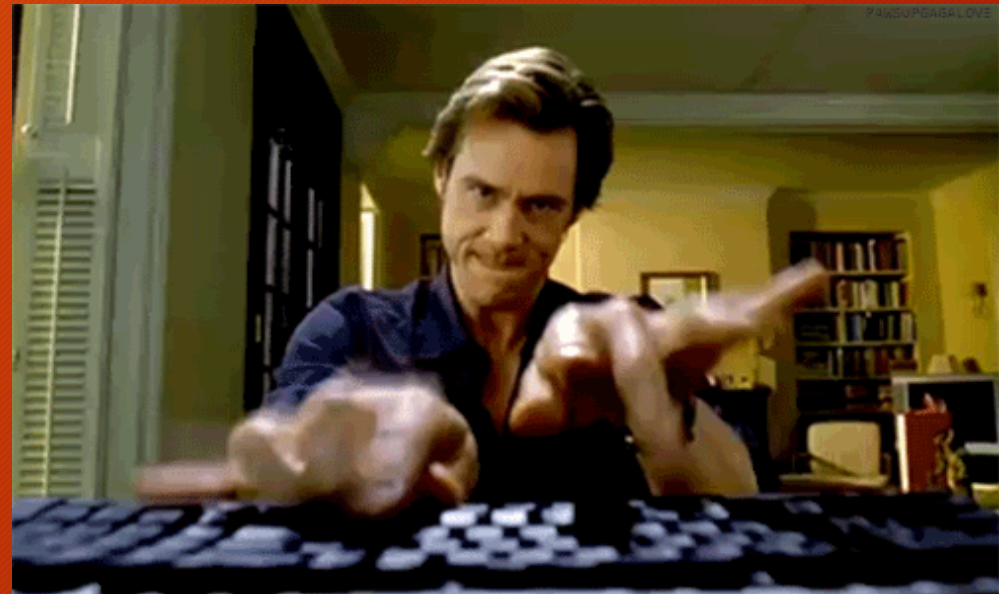
**Patient Complaints Detail View:**

- Complaint Type:** Radio buttons for 'Chief (Primary)', 'Secondary', and 'Other'.
- Complaint:** Text input field.
- Duration of Complaint:** Text input field.
- Time Units of Duration of Complaint:** Radio buttons for 'Minutes', 'Hours', 'Days', 'Weeks', 'Months', and 'Years'.
- Buttons:** 'OK' button at the bottom right.



# VCEMS Data Standards

- Primarily based on the NEMESIS v3 dataset
- Aligns with CEMESIS (State EMSA) requirements
- Includes local elements based on supplemental questions or custom fields
- Provides clarity on certain data elements
- Standardized documentation across disciplines and agencies





# Data Standards

## NOT Values

- Used to document that data was not applicable to the EMS Response, or could not otherwise be collected or completed.
  - NOT Applicable
  - NOT Recorded
  - Not Reporting
- Not all data elements accept NOT values.

## Pertinent Negatives

- Paint a better picture as to why a field could not be documented
- Primarily reserved for assessment and/or treatment related fields (meds, procedures, etc)
- A list of pertinent negatives is available in the VCEMS Data Standards document

Contraindication Noted	Denied By Order	Medication Allergy
Medication Already Taken	Medication Not Indicated	Refused
Unable to Complete		

# Data Standards – NOT Values (NV)

- Not Applicable – The data element is not applicable or pertinent to the EMS event
- Not Recorded – If a data element was unintentionally left blank, the EMS software should auto-populate it with 'Not Recorded'
- Not Reporting – The data element is not collected by the EMS Agency or the state. This NOT value does not apply to the National elements where "Usage = required"



# Data Standards – Pertinent Negatives (PN)

- **Contraindication Noted** – During assessment, a contraindication for a specific procedure/medication/etc. was noted, thus preventing administration or application.
- **Denied by Order** – A specific medication was denied by base hospital (MICN or PLP), or some other entity with the powers to do so.
- **Medication Allergy** – A known allergy (medication or environmental) prevented administration or application of a specific medication.
- **Medication Already Taken** – The medication would have been indicated based on patient presentation or complaint, but was withheld because the patient was already given or self-administered, the medication prior to prehospital providers arriving on scene. As example of this could be Benadryl and/or Epinephrine in an allergic reaction, or perhaps albuterol for shortness of breath or respiratory distress.
- **Medication Not Indicated** – The patient's presentation or condition does not warrant the administration of ANY medication (*including oxygen*)
- **Refused** – The patient refused the application or administration of a specific medication/procedure/etc.
- **Unable to Complete** – A specific situation or condition prevented the medication/procedure/etc. from being applied or administered. Entrapment or scene safety issues could be a possible cause for this type of situation.

*If/When you have a choice between a Null Value and a Pertinent Negative – use the Pertinent Negative whenever possible and logical.*



# Important Points to Remember

- The validity score is not an absolute indicator of a good record
- The narrative section is not an “information landfill”
- The report section is not a one-stop-shop
- Everything about this ePCR system is new
  - Template Workflow
  - Visibility
  - Validity
- Communicate!
  - Things you like
  - Things you don't like
  - Things that don't seem to work right
  - Ideas about how to make the process better

# Completing an ePCR

- Sections and panels follow “flow” of call
- Validity will help to guide you through report
- Red = required info
- Blue = section is complete

The screenshot displays the ELITE FIELD ePCR system interface. The main window is titled "Complaint / Impression". On the left, a vertical navigation menu shows various sections: Report, Incident, Patient, Assess/Treat, Complaint / Impression (highlighted in red), Assess / Exam, Treatment / Vitals, Protocols, Specialty Care Conditions, Narrative, Trans. / Dest., Billing, Signatures (highlighted in blue), and Service / System Defined Questions. The main content area contains a form for "Patient Complaints" with fields for "Date/Time of Symptom Onset/Last Normal", "Chief Complaint Anatomic Location", "Chief Complaint Organ System", "Provider's Primary Impression", "Provider's Secondary Impressions", and "Work-Related Illness/Injury". The "Work-Related Illness/Injury" field has radio buttons for "No", "Unknown", and "Yes". The status bar at the bottom shows "20 Validation Menu" and "Status: In Progress".



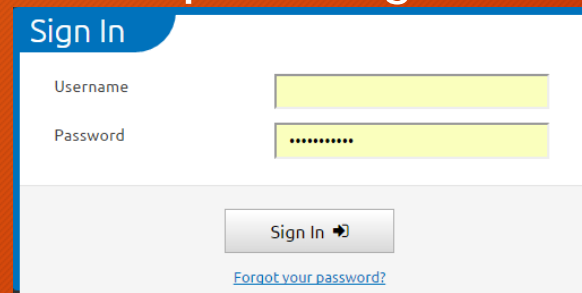
# Completing an ePCR - Elite Field

Elite Field URL:

<https://www.imagetrendelite.com/Elite/Organizationventuracounty/RunForm/Login>

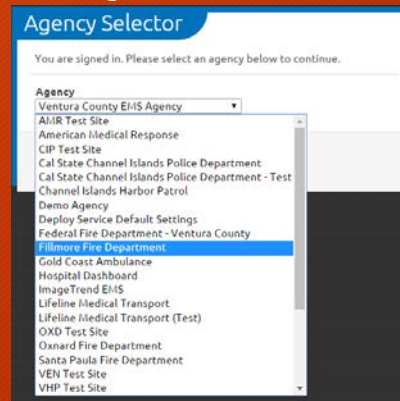
# Completing an ePCR - Elite Field

## Step 1 - Sign In



The screenshot shows a 'Sign In' form with two input fields: 'Username' and 'Password'. The 'Password' field is masked with dots. Below the fields is a 'Sign In' button with a right-pointing arrow and a 'Forgot your password?' link.

If you have permissions to multiple agencies, you will be prompted to select the agency for which you are creating an ePCR



The screenshot shows the 'Agency Selector' page. It displays a list of agencies with 'Fillmore Fire Department' selected. The list includes:

- Ventura County EHS Agency
- AMIR Test Site
- American Medical Response
- CIP Test Site
- Cal State Channel Islands Police Department
- Cal State Channel Islands Police Department - Test
- Channel Islands Harbor Patrol
- Demo Agency
- Deploy Service Default Settings
- Federal Fire Department - Ventura County
- Fillmore Fire Department**
- Gold Coast Ambulance
- Hospital Dashboard
- ImageTrend EHS
- Lifeline Medical Transport
- Lifeline Medical Transport (Test)
- OXD Test Site
- Oxnard Fire Department
- Santa Paula Fire Department
- VEN Test Site
- VHP Test Site



# Completing an ePCR - Elite Field

The screenshot displays the Elite Field dashboard interface. At the top, there is a search bar labeled 'Find incident...' and navigation buttons for 'All', 'None', 'Post', and 'Delete'. The main content area is titled 'Incidents' and features a '+ New Incident' button. Below this, a table lists three incidents with columns for incident number, address, date, and time. The left sidebar contains sections for 'Crew' (with '+ Add' and 'X Remove' buttons and three crew members: Taylor, William; Thompson, David; Thompson, David) and 'Unit & Shift' (with 'ME32' and 'A Shift' options). The bottom navigation bar includes 'ELITE FIELD', 'Inbox', 'Settings', 'About', 'Logout', and a welcome message 'Welcome, Chris Rosal'.

Incident #	Address	Date	Time
45 16-0056318	3695 Alamo St Simi Valley, CA 93063	Jul 29	10:31
100 16-0056059	350 W Hillcrest Dr Thousand Oaks, CA 91360	Jul 28	15:11
100 16-0055869	3695 Alamo St Simi Valley, CA 93063	Jul 28	09:23

- Dashboard will display:
  - Crew Info
  - Unit and Shift Info
  - Incidents (Posted and Not)
- Settings
  - Sync Resources - imports any changes to template, agency, crew, etc. - requires internet
- Inbox
  - Manage messages within the ImageTrend Elite system - requires internet
- To Post From Dashboard:
  - Select desired incident(s), and click 'Post'
  - Or, click the 'All' button, then click 'Post'
    - To clear 'All' selection, click 'None'

# Completing an ePCR - Elite Field

+ New Incident



Find field...

Save Post Print CAD EKG Transfers Close

### ELITE FIELD

#### Hospital Report

Incident Number:

Primary Role of the Unit:   
Fire Apparatus Ground Transport Air Transport  
PSV Rescue

Incident/Patient Disposition:

Level of Care of This Unit:   
BLS ALS ALS-Nurse  
ALS-Physician ALS-Community Paramedicine Specialty/Critical Care

Level of Service Provided:   
BLS Only ALS (Base Hospital Contact) ALS No-Contact  
ALS Evaluation/BLS Transport

Destination/Transferred To, Name:

Facility Diverted From-Name:

Reason for Choosing Destination:

Outcome External Reports

39 Validation Menu Status: In Progress

- Report
- Hospital Report
- Incident
- Patient
- Assess/Treat
- Signatures
- Service / System Defined Questions

- Times
- Mileage
- Timeline
- Worksheets
- Assessments
- Cardiac Ar
- C-Spine
- GCS
- TV
- Med Device
- Meds
- PQRST
- Procs
- Vital
- All



# Completing an ePCR - Elite Field

Download CAD

Select Your Incident



**Import CAD Incident**

Unit Notified Date: 07/29/2016 to 07/30/2016

Downloaded: 1 - 25 of 153

Call Sign	Unit Number	Incident Number	Call Number	Address	Unit Notified	
MED445	MED445	16-0056343		3994 CALLE DEL SOL	7/29/2016 11:45:27	<input type="button" value="↓"/>
ME34	ME34	16-0056343		3994 CALLE DEL SOL	7/29/2016 11:45:27	<input type="button" value="↓"/>
R91	R91	16-0056342		B St / Ventura St	7/29/2016 11:43:09	<input type="button" value="↓"/>
ME91	ME91	16-0056342		B St / Ventura St	7/29/2016 11:42:13	<input type="button" value="↓"/>
MED422	MED422	16-0056342		B St / Ventura St	7/29/2016 11:42:13	<input type="button" value="↓"/>
FLMC1	FLMC1	16-0056342		B St / Ventura St	7/29/2016 11:42:13	<input type="button" value="↓"/>
MED452	MED452	16-0056341		862 Jay Ave	7/29/2016 11:40:26	<input type="button" value="↓"/>

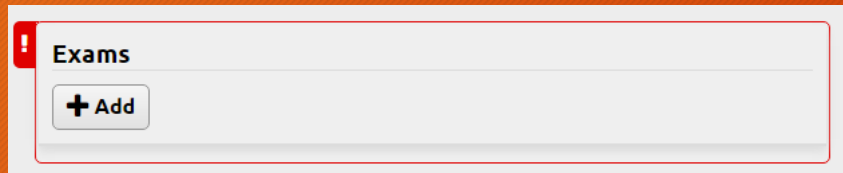
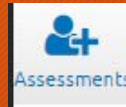
Click the 'down arrow' symbol to import the desired CAD data



Internet Connection Required!

# Completing an ePCR - Assessment Tool

- Assessments can be documented in two different areas:
  - The Assessment Power Tool
  - Within the Assess/Exam Panel



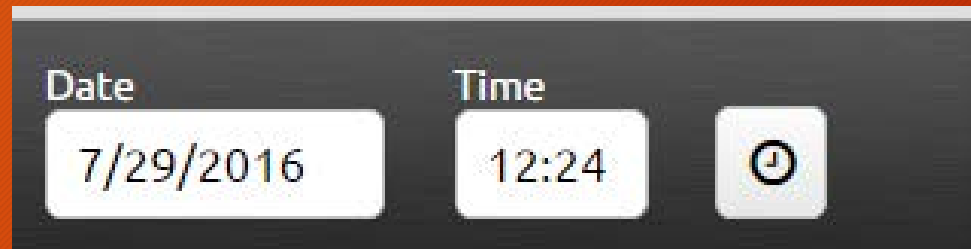
- The 'All Normals' button has been removed from the assessment power tool
- Each individual body section now needs to be tagged 'normal' if there was a focused exam done on that area, AND nothing abnormal was discovered.
- If exam was not performed on a specific area, section should be tagged 'Not Done'

See Next Several Slides for Visual on Assessment Power Tool



# Completing an ePCR - Assessment Tool

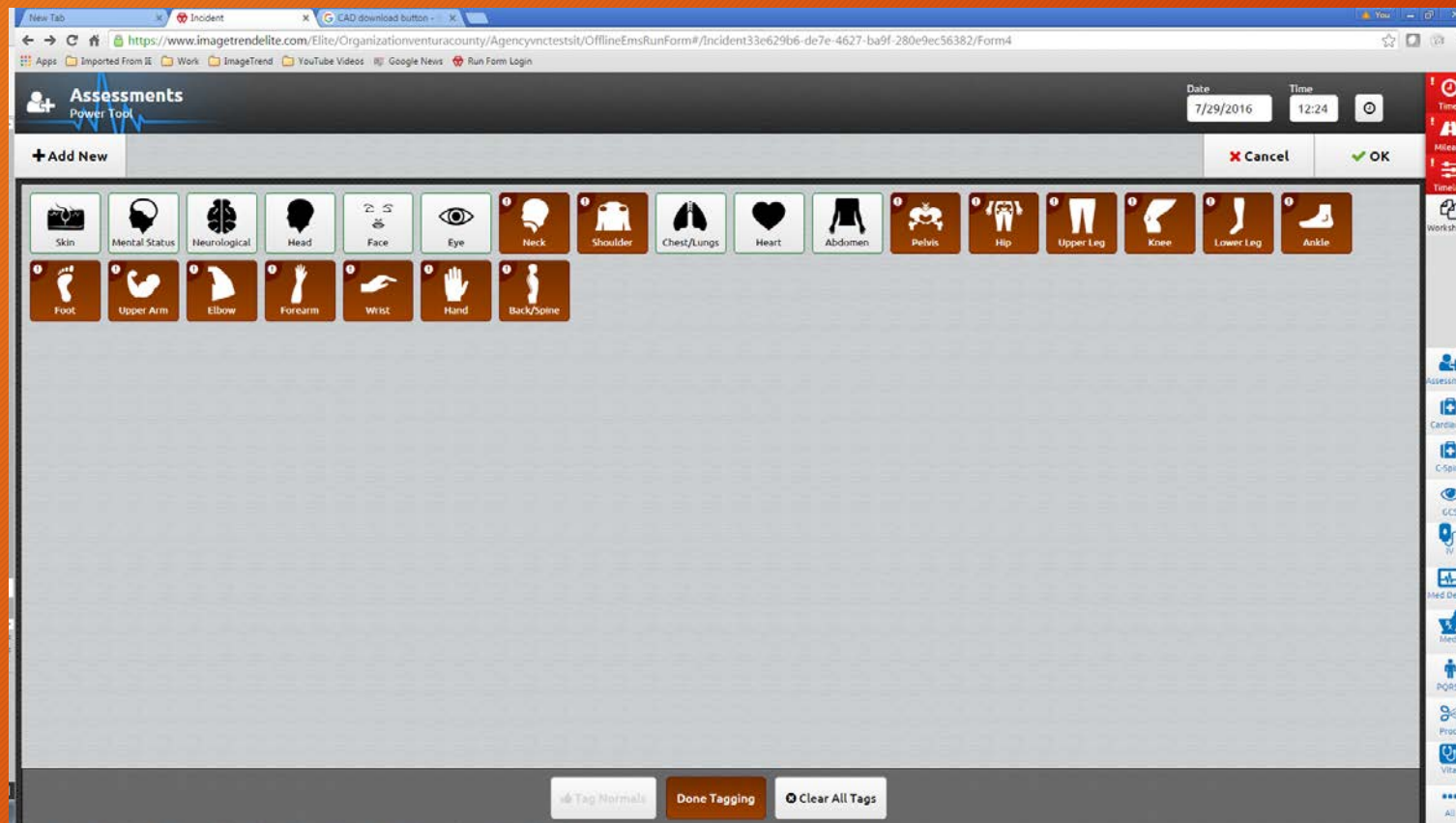
- Step 1 - Complete the date and time of the assessment in the upper right of the tool



A screenshot of a dark grey user interface for an ePCR assessment tool. It features three input fields in a row. The first field is labeled 'Date' and contains the text '7/29/2016'. The second field is labeled 'Time' and contains the text '12:24'. The third field is a square button with a clock icon, used for setting the time.

- If you don't do this, the exam will remain red, and you'll have to complete the task in the exams grid, outside of the power tool. *Better to do everything all in one stop.*

# Completing an ePCR - Assessment Tool

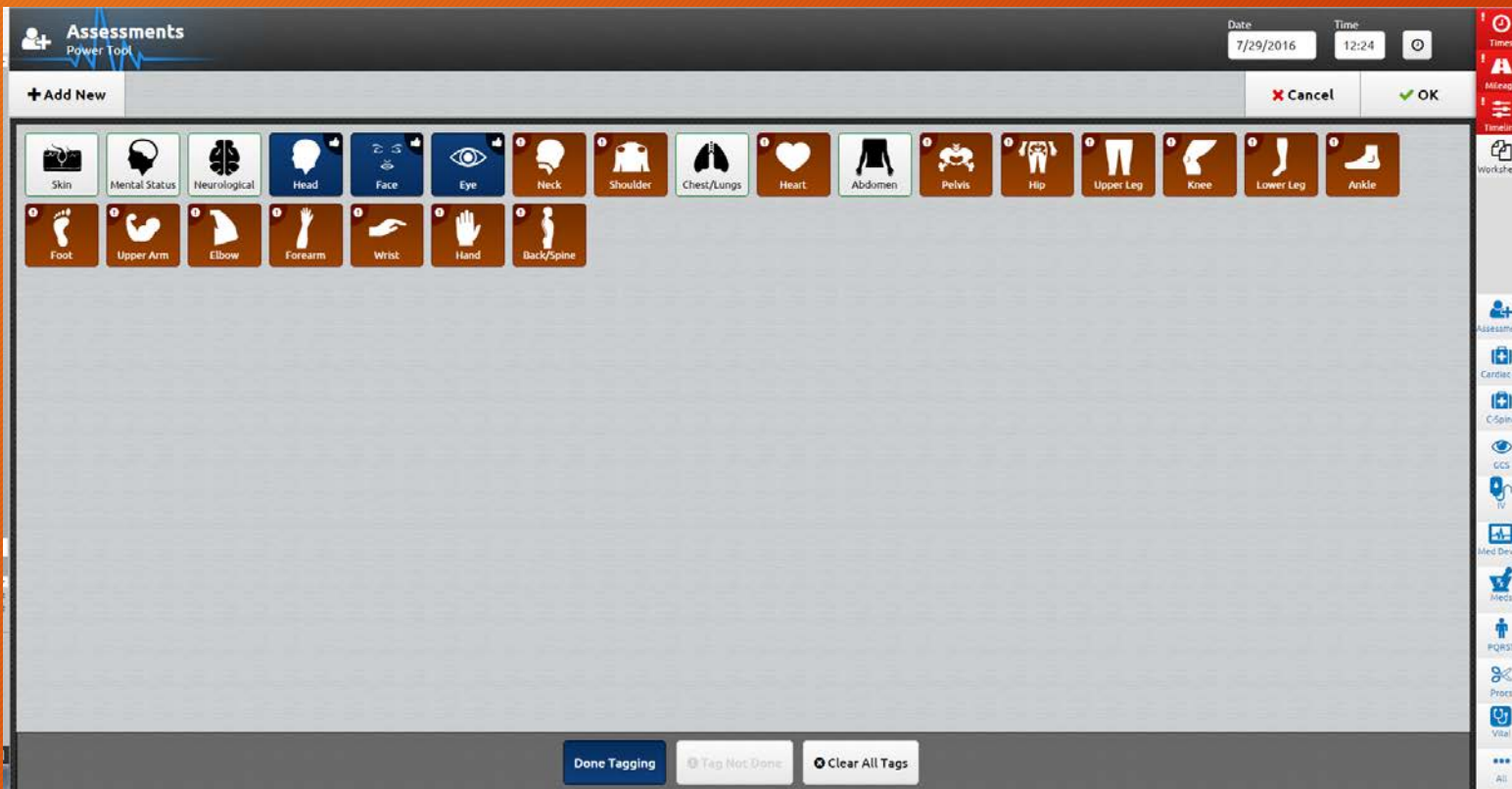


- Step 2 - Tag your 'not dones' by selecting 'Tag Not Done' at the bottom of the tool, then by selecting the tile(s) that were not assessed.
- When clicked as not done, the tile(s) should be brown with an exclamation point in the upper left corner of each tile.
- Click 'done tagging' when you have completed marking your 'not dones'

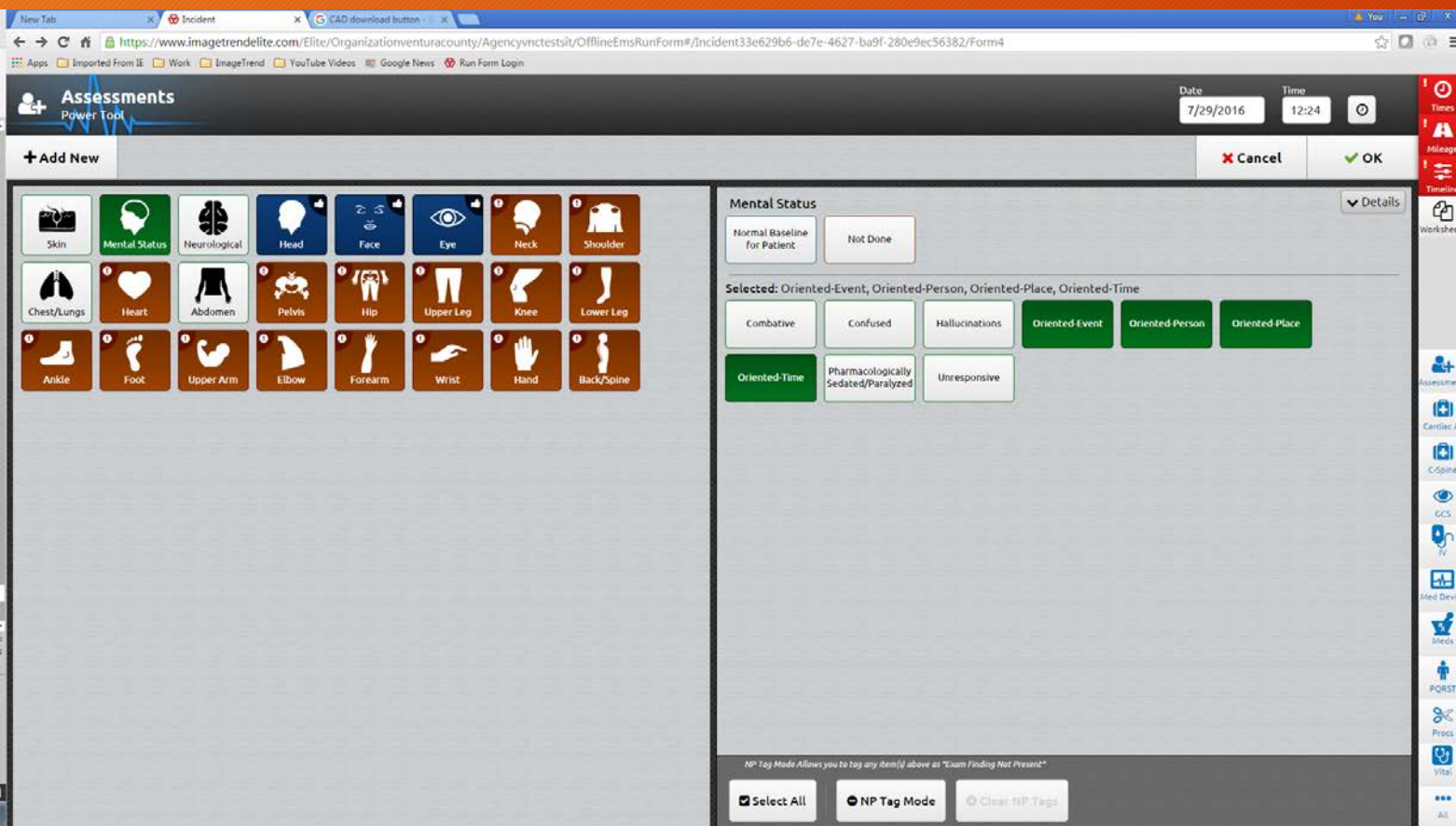


# Completing an ePCR - Assessment Tool

- Step 3 - Tag your 'normals' by clicking the 'Tag Normals' button.
- Remember that by clicking this, you are documenting that you have assessed ALL elements of that particular body section, and that ALL elements were within normal limits, based on your exam.
- When clicked as normal, the tile will turn blue with a thumbs up symbol in the upper right corner of each tile.
- Click 'Done Tagging' when you've completed marking your normals.



# Completing an ePCR - Assessment Tool



- The remaining tiles are clicked individually to detail specific findings within each remaining body section.
- If you need to comment on a specific detail within that body section, click the details button and type in your findings.
- Once complete with a specific section, click the next tile.
- DO NOT CLICK OK until you are completely done with the assessment.
  - Clicking OK will exit you out of the power tool before you are complete.



# Completing an ePCR - Assessment Tool

Assessments Power Tool

Date: 7/29/2016 Time: 12:24

+ Add New

Cancel OK

Details

Chest/Lungs

Normal Not Done

Selected: Rhonchi-Left, Rhonchi-Right

Abrasion	Accessory Muscles Used with Breathing	Avulsion	Bleeding Controlled	Bleeding Uncontrolled	Absent Breath Sounds (Left)
Absent Breath Sounds (Right)	Decreased Breath Sounds (Left)	Decreased Breath Sounds (Right)	Equal Breath Sounds	Normal Breath Sounds (Left)	Normal Breath Sounds (Right)
Burn (Blistering)	Burn (Charring)	Burn (Redness)	Burn (White/Waxy)	Contusion	Crush Injury
Deformity	Flail Segment (Left)	Flail Segment (Right)	Foreign Body	Gunshot Wound-Entry	Gunshot Wound-Exit
Gunshot Wound	Implanted Device	Increased Respiratory Effort	Laceration	Pain	Pain with Inspiration/expir... Left
Pain with Inspiration/expir... Right	Pain/Pressure Radiating to Neck/Back/Arms	Puncture/Stub Wound	Rales-Left	Rales-Right	Rash
Retraction	Rhonchi-Left	Rhonchi-Right	Rhonchi/Wheezing	Sounds Present At Apexes	Sounds Present At Bases
Stridor-Left	Stridor-Right	Swelling	Tenderness-General	Tenderness-Left	Tenderness-Right
Wheezing-	Wheezing-	Wheezing-	Wheezing-		

NP Tag Mode Allows you to tag any item(s) above as "Exam Finding Not Present"

Select All NP Tag Mode Clear NP Tags

- Your assessment should be a combination of brown, blue and green tiles
- Once the assessment is complete, click 'OK' to save the assessment and exit the power tool.
- Once saved, this exam will reside as an exam grid in the Assess/Treat Section > Assess/Exam Panel.

# Elite Pilot Area - Problems/Suggestions

- Service providers should report issues (validation, form functionality, visibility, etc.) through their normal ePCR chain of command.
  - Main Points of Focus:
    - Validation rules - you're being asked to document something that you feel you shouldn't be, based on call information, level of care, etc.
    - Visibility - you don't see a field you think you should be documenting, based on call conditions, transport status, etc.
    - Form functionality - you're not able to upload ECG, post a report, print a report, etc.

*Please remain open-minded and flexible during the pilot. We will be making changes on the fly, based on discovered problems, etc.*



# Thank You!

This is a huge change.

Your input and participation is greatly appreciated!!!

