



# EMTrack and Patient Tracking in Wisconsin

**Katherine Johnson**

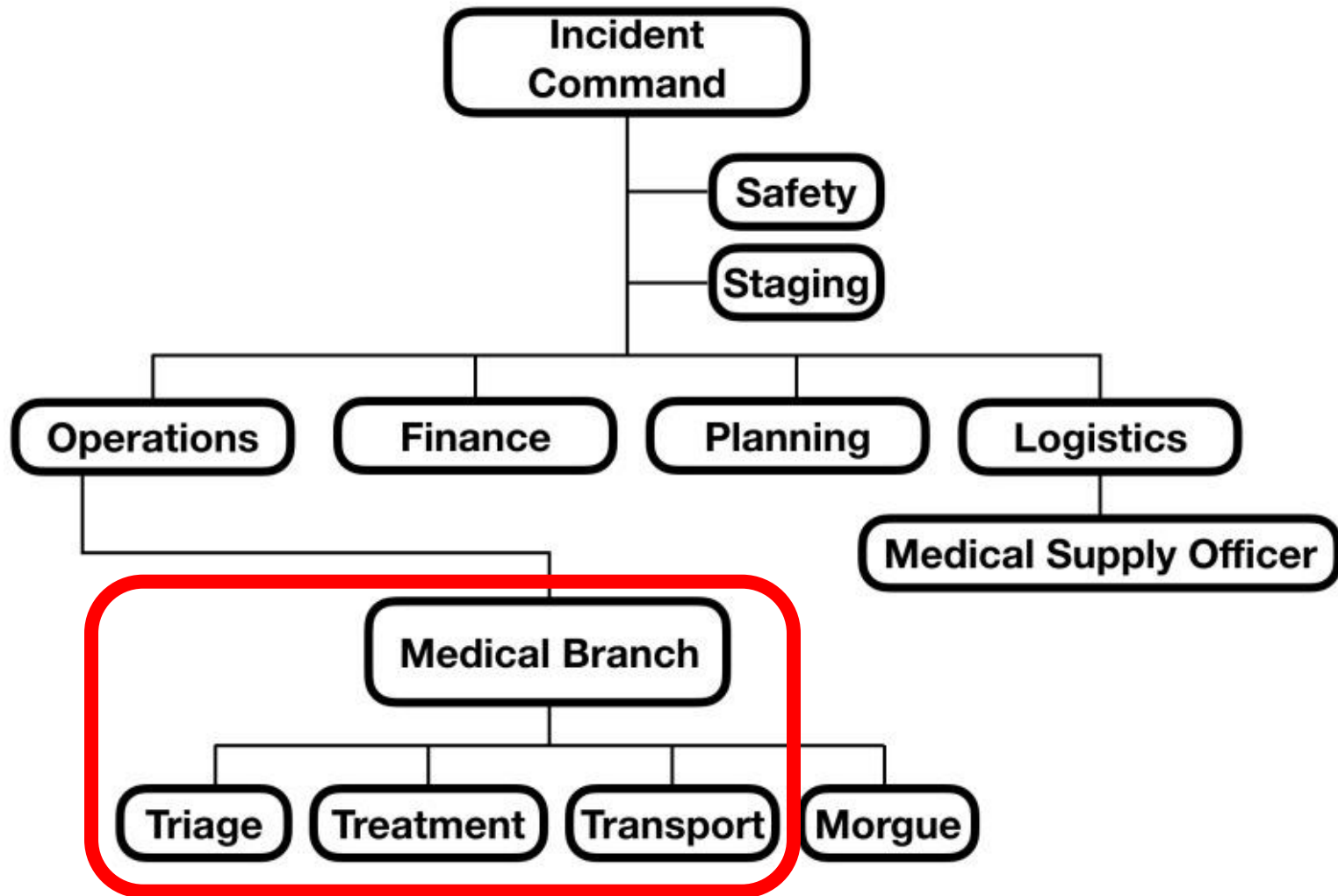
Hospital and Healthcare Systems Coordinator

May 12, 2023

# What is EMTrack?

- Mechanism to electronically trace the movement of the patient from initial encounter through the health care system
- Provides real-time situational awareness between incident commanders, field responders, and health care organizations by automatically updating transport information through the scene of an incident
- Follows incident command system triage, treatment and transport

# Incident Command System



<https://www.ncbi.nlm.nih.gov/books/NBK534800/figure/article-31672.image.f1/?report=objectonly>

# EMTrack Basics

- Software (Juvare) licensed by WI DHS, no special equipment
- Web-based or mobile app (Android or iOS smart devices)
- If network (internet or cellular data) is not available, entered data is queued and uploaded when network becomes available
- Secure and HIPAA compliant handling of data
- Functionality is role-based
- Serves as a centralized repository of patient tracking information

# Scope of Use

- Mass Casualty Incidents (MCI)
- Planned events with large public gatherings
- Health care facility evacuation
- Reunification
- Daily emergency medical service (EMS) runs

# Who Uses EMTrack?

- Emergency Medical Services (EMS)
- Hospitals
- Public Health
- Incident commanders
- Dispatch

# What Data is Collected?

- Protected Health Information (PHI) of patients involved in scene
- Triage category
- Patient transport information

# How is Data Used?

- Incident management
- Incoming patient notifications for hospitals
- Family reunification
- Situation reports
- After action reports



# Mobile Application

- Uses forms to collect encrypted information
- Maintains capabilities while offline
- Creates a unique patient ID
  - Scanning 1d barcodes (triage tags, wrist bands, toe tags) and QR codes
  - Daily tracking via system-generated ID
- Scans 2d barcodes for driver's license to automatically pull demographics into forms
- Pulls value forward on each form by clicking the pad lock

# Mobile Application Login

- Users are set up with a password by default and can reset their password
- Password users can access dashboards on the web-based platform
- Password users can also have a PIN for quick mobile login
- PIN users only have access to data entry
- PIN users are unable to reset their PIN and should email [DHSEMSystems@dhs.Wisconsin.gov](mailto:DHSEMSystems@dhs.Wisconsin.gov) if unable to login

# Mobile PIN vs Password

The screenshot shows the JUVARE EMTrack login interface. At the top is the JUVARE logo (a red stylized 'J') and the text 'JUVARE Enterprise resilience solutions' and 'EMTrack'. Below this are two tabs: 'Password' and 'PIN'. A blue arrow points to the 'Password' tab, which is currently selected. Underneath the tabs are two input fields: 'Username' containing 'CORE.Training' and 'Password' which is empty. Below the input fields is a line of text: 'By proceeding, you agree to Juvare's Privacy Policy and Terms & Conditions.' At the bottom is a blue 'Log In' button and three links: 'Forgot Username?', 'Forgot Password?', and 'Need Help?'.

[www.juvar.com](http://www.juvar.com)  
© 2021 EMSystems LLC. EMTrack® 5.7.4

The screenshot shows the JUVARE EMTrack login interface. At the top is the JUVARE logo (a red stylized 'J') and the text 'JUVARE Enterprise resilience solutions' and 'EMTrack'. Below this are two tabs: 'Password' and 'PIN'. A blue arrow points to the 'PIN' tab, which is currently selected. Underneath the tabs are two input fields: 'Username' containing 'CORE.Training' and 'PIN' which is empty. Below the input fields is a line of text: 'By proceeding, you agree to Juvare's Privacy Policy and Terms & Conditions.' At the bottom is a blue 'Log In' button and three links: 'Forgot Username?', 'Forgot Password?', and 'Need Help?'.

[www.juvar.com](http://www.juvar.com)  
© 2021 EMSystems LLC. EMTrack® 5.7.4

# Mobile App Functionality

- Forms: Use incident forms for tracking
- Messages: Communicate with staff online
- Transports: Track patients in transport
- Incidents: Monitor ongoing incidents
- Slight variation between iOS and Android devices
  - iOS menu button is in the bottom ribbon

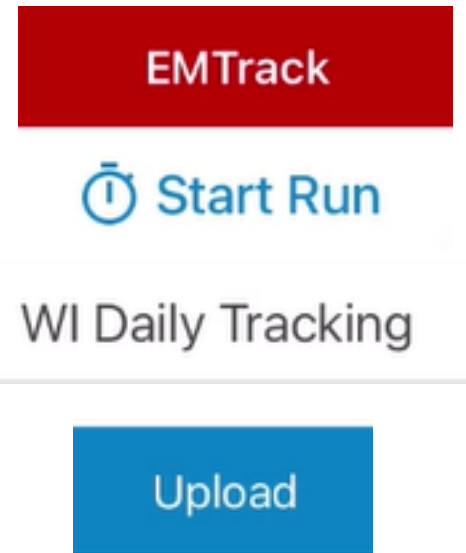


- Android menu is in the top ribbon



# Mobile App Daily Tracking

- Select *Start Run*
- Select *WI Daily Tracking*  
System generated unique ID  
Enter patient information
- Select *Upload* to end the run and confirm if the patient was delivered



## Android patient

**Confirm**

Are you sure you want to end the patient run?

Patient Delivered

CANCEL END RUN

## iOS patient delivery

**End Run?**

YES - Patient Delivered

YES - Patient Not Delivered

Cancel

# Web Platform Functionality

- Dashboards
- Filters
- Coordination with patients and clients
- Incident management (MCI, evacuation, public event)
- Report repository
- Property
- Locate
- Transports
- Messages

The screenshot displays the top navigation bar of the EMTrack web platform. On the left, it shows the user's name 'Katherine Johnson', the state 'Wisconsin', and a 'Log Out' link. A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a main menu with options: 'Dashboard' (highlighted), 'Filters', 'Patient', 'Incidents', 'Reports', 'Property', 'Locate', 'Transports', and 'Messages'. On the far right of the main menu, there are links for 'System Settings', 'Help', and 'Contact'. Below the main menu, the 'Current Dashboard' is set to 'WI Hospital View', and there is a toggle for 'Incident Mode'. A 'Save' button and a 'Configure' dropdown are also visible.

# Web Scanning Functionality

- USB scanning tools
- 1d barcode scanner
  - Unable to scan QR codes or driver's licenses
- 2d barcode scanner
  - Scan 1d, 2d and QR barcodes

# EMTrack Web Alert

## Incoming patient notification

Current Dashboard: Hospital View Incident Mode Save

### Hospital Inbound Patients - End User View [Patient Total:1]

Provider Evaluation	Mobile Provider	Provider Unit	ETA
Yellow - Neck Pain/...	Camp Douglas Rescu...	45 WEM	23m

Last Updated: Tue, 20 Jul 2021 16:10:22 CDT

### Summary of All Clients - Triage Category

Patient Total: 37

<b>16</b> Red	<b>10</b> Yellow	<b>8</b> Green	<b>1</b> Grey	<b>2</b> Black
------------------	---------------------	-------------------	------------------	-------------------

Last Updated: Tue, 20 Jul 2021 16:10:21 CDT

### Regional Summary of All Clients - Current Location

Description						Total
-------------	--	--	--	--	--	-------

### Summary of Current Incident Site - Current Incident Site

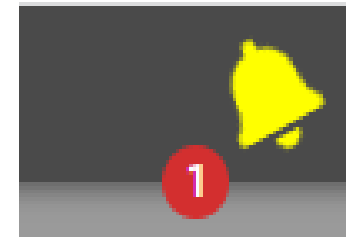
Patient Total: 0


**1 Incoming Patient Update** [View List >>](#)



# EMResource Web Alert

## Incoming patient notification



 Notifications (1)



Last Update: 05/02/2022 12:53

Notifications

Date Received




### [Incoming Patients to Review](#)



Review and acknowledge your incoming patient notifications.

05/02/2022 12:53

### Incoming Patient Notifications

 Refresh

Acknowledge All

Action	Triage Category	ETA	Alert Type	Status	Gender	Age	Destination	EMS Agency	EMS Unit
<a href="#">Details</a> 	 Yellow	13:12 (14 min)	-	New	Male	20 - 39 YR	Training Hospital	Bell Ambulance Inc.	8UC

# Resources

- [DHS EMTrack webpage](#)
  - Request access
  - Online training tutorials
  - Online reference guides that can be printed