



WISCONSIN DEPARTMENT
of HEALTH SERVICES

EMTrack and Patient Tracking in Wisconsin

Katherine Johnson

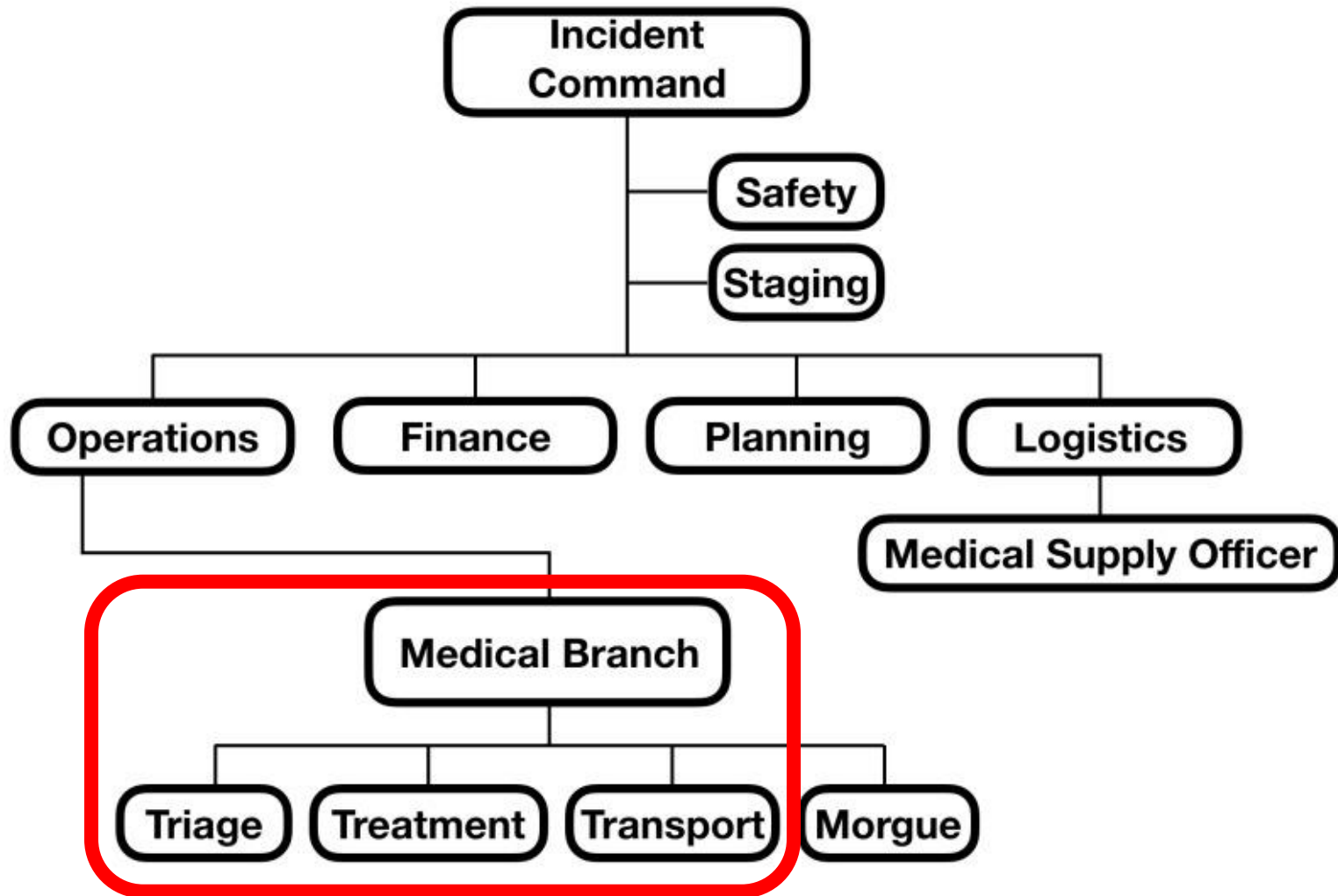
Hospital and Healthcare Systems Coordinator

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 triage tags, wrist bands, toe tags
 - Daily tracking via system-generated ID
- Scans driver's license to automatically pull demographics into forms
- Pulls value forward on each form by clicking the pad lock

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

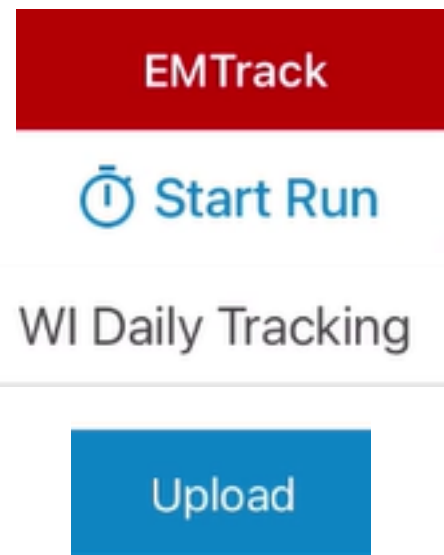


- Android menu is in the top ribbon



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 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 application. On the left, it shows the user's name 'Katherine Johnson', the state 'Wisconsin', and options for 'Profile' and 'Log Out'. A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a main menu with 'Dashboard' highlighted, followed by 'Filters', 'Patient', 'Incidents', 'Reports', 'Property', 'Locate', 'Transports', and 'Messages'. On the far right of this 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.

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

16
Red

10
Yellow

8
Green

1
Grey

2
Black

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

Regional Summary of All Clients - Current Location

Description	●	●	●	●	●	Total
	●	●	●	●	●	

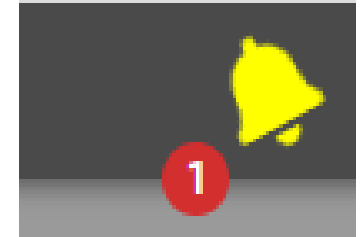
Summary of Current Incident Site - Current Incident Site


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
Details 	 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