SafeTriage™ PRO

20 casualties at the scene…
one fully integrated triage solution

The remote medical support solution, **designed by clinicians**

A fully automated triage solution for the emergency services with secure, real time patient data delivery to receiving hospitals

Enhanced triage management and data collection for single to Mass Casualty Incidents

- Intuitive, easy to use touch screen electronic patient record and monitoring system
- Flexible, highly customisable platform tailored to meet a services standard operating procedures, medical guidelines and drugs database
- Enhanced clinical decision support with secure web based information and reporting capability
- Fully integrated system to enable appropriate data sharing with key agencies

How It Works

1

Intuitive, easy to use solution

Paramedics are equipped with a portable ruggedized tablet PC loaded with the Safe Triage Pro software. Control rooms and hospitals have a secure web based portal interface to receive and assess patient information and vital sign data.

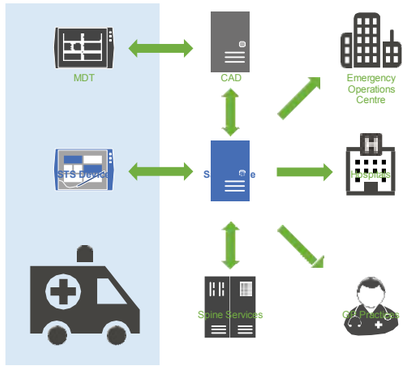
The hand held tablet and monitoring system is ultra-light weight making it easy to use in everyday, remote and hostile environments. The intuitive touch screen interface and on screen keyboard enable fast data input which combined with flexible data entry fields speeds up the triaging process dependent on the incident and casualty requirements.

The system can handle multiple patients with fast switching between casualties based on medical priority and if required facilitate electronic handover of the cases at the scene.

2

Integrated information and automatic data transmission

When a 999 call is received the CAD information is sent to the relevant ambulance crew and automatically downloaded onto the device. At the scene paramedics then collect relevant incident, medical and vital signs data using existing AED/monitoring systems or individual wireless enabled monitoring devices. This information is then transmitted automatically to the relevant receiving hospital.



3

Data capture includes:

- Mission, crew and incident data
- Patient demographics
- Presenting complaint (including medical history)
- Diagrams/images of the injuries and the site
- Patient monitored vital signs
- Treatment and drugs administration
- ATMIST and Patient Summary Record
- Handover data
- Comprehensive reporting and KPI tracking

The system can handle multiple patients and facilitate electronic handover of cases at the scene. The fully integrated software can be seamlessly scaled up to support Mass Casualty Incidents (MCI) using the same solution.

4

Fast data transmission and communication

Data is transmitted 'live' by radio (WiFi, GPRS, 3G or satellite) in a secure encrypted form to a web server for onward transmission to the Control Centre and hospitals. Clinical staff in the hospital can view patient case information via a secure web based portal. The system can also be integrated into the Hospital Information Systems using HL7 messaging.

5

Rapid Multiple Patient Triage

The MCI function allows rapid triage of multiple patients using the inbuilt Triage Sieve algorithm and the designated trauma centre can receive full patient details, including the vital signs and digital image to ensure effective clinical support. Clinicians can then advise on interventions at remote locations to the incident whilst receiving real time information.

In an MCI, the triage status and specialty requirements are transmitted to the Control Centre and receiving hospitals which enables better preparedness and resource management at receiving hospitals which can mitigate against 'surge capacity' problems. The system supports real time updating of casualties allowing more efficient prioritisation of resources.

The solution has an optional wireless scanner that integrates with existing triage cards to ensure full proof patient identification at the scene and upon arrival at the receiving hospital.

6

Secure real time web information with robust clinical and performance reporting

The comprehensive data store allows a customisable reporting framework to deliver reports as require, including Ambulance Quality Indicators (AQI) and Clinical Quality Indicators (CQI) as standard. It also enables clinical governance, critical incident analysis as well as post incident forensic reconstruction.

Optional Functions

Video Conferencing: The system can support integrated video consultation with a receiving hospital or medical centre that can support remote specialist emergency advice and at home 'see and treat' services to reduce the number of unnecessary A&E attendances.

Safe Guarding: a comprehensive electronic safeguarding process with information capture and automated reporting to relevant agencies reduces paramedic 'downtime'.

Drugs Management: In-built or individual wireless bar-code scanners enable automated and safer medication management by avoiding wrong drug or wrong dosage based on patient information and condition, along with a comprehensive audit trail improving clinical governance.

Monitoring: In addition to core monitoring functionality the following is also available:

- FAST Ultrasound
- Video Laryngoscope
- Lactate Monitor
- Mini Defibrillator
- Dosimeter
- Dermatoscope
- Otoscope
- Wireless Stethoscope

Essential Features and Benefits

Future proof solution that can be deployed on any windows based hardware platform with highly customisable software that enables it to best match current and future ambulance service requirements.

Fast, consistent data collection and connectivity

- Standardised patient data collection at the scene
- Customisable data collection to meet service needs
- Intuitive patient triage input speeds data collection
- Real time assessment of incident, patients and injuries
- Third party monitoring device, wireless integration

Real-time data relay to receiving hospital / medical centre

- Supports secure, encrypted WiFi, GPRS and satellite links with Control Centre
- Web based access enables hospital real time assessment and optimum resource allocation
- Integration with existing Command and Control
- GPS allows tracking of patients and crew; avoids 'left behind' scenarios in a fast evolving MCI

Enhanced clinical decision support and governance

- Embedded clinical guidelines, remote clinical decision support and drug protocol adherence
- Supports adherence to service standard operating procedures
- Analytics functionality to track outcomes, interventions and performance
- Data for forensic reconstruction/identification
- Automated KPI and audit reporting

Scalable with easy 3rd party integration

- Web based, software solution easy to scale and integrate with 3rd party systems
- Can support and monitor patients simultaneously
- Scalable to monitor simultaneous MCIs

SafeTriage™
Enhanced Pre-Hospital Care

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