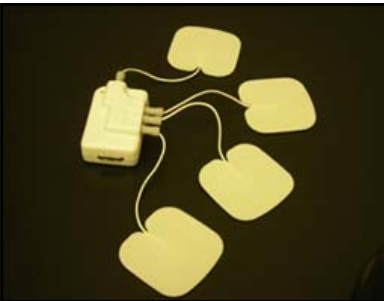


blueforce

USE CASE

EMERGENCY MEDICAL SERVICES

Biotelemetry Sensor Sharing for Emergency Medical Professionals



Overview

Dr. R Adams Cowley, through his experience as a military surgeon and later as head of the University of Maryland Shock Trauma Center, is credited with promoting the concept of the "Golden Hour" which refers to a time period lasting from a few minutes to several hours following traumatic injury being sustained by a casualty, during which there is the highest likelihood that prompt medical treatment will prevent death.

Blueforce Tactical (BTAC) software harnesses the power of commercial off the shelf (COTS) wireless mobility fused with enhanced situational awareness to provide complete visibility and remote telemetry monitoring from the moment EMS arrives on the scene until the patient is brought into the trauma center.

With BTAC installed on the emergency medical professional's Smartphone, this low-cost approach to emergency medical care leverages known and custom biotelemetry sensors, and uses commercial wireless networks to make patient telemetry available using NSA-certified security. The combined solution increases the standard of care and turns the emergency medical professional into "the signal".

Benefits to EMS

- Complete Golden Hour Visibility While Increasing Standard of Care: The Blueforce "heartbeat" fuses location and Advanced Life Support (ALS) sensor data into a light on the network, shareable data stream.
- Secure Mobile Solution: The solution uses NSA certified cryptography for at-rest data as well as data in transit offering HIPPA compliant information sharing between the scene and the trauma center.
- Commercial Networks: Runs on COTS SmartPhones on any wireless Network.
- Interoperable: Leverages U.S. Government mandated interoperable data protocols for an assured degree of data interoperability between agencies and information systems.
- Living History of Patient Telemetry: Telemetry "heartbeats" are transmitted to those with a need to know at user defined intervals. This secure data can be persisted and can be integrated into medical records or other medical data systems.
- Extensible to Embrace Current Investments in Medical Monitoring Devices: Our software solution supports plugins that can be built to receive data from any ALS biotelemetry sensor that provides an open interface allowing the leverage of current investments.

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