

### **Market & Customer Segments**



#### **Military Training & Operations**

- Tactical Combat Casualty Care;
- 200k military personnel in combat training and deployed per year



Target Markets

#### **EMS & Disaster Operations**

- 1.0M+ First responders providing front-line care
- Patient tagging and tracking in mass casualty incidents & routine care



### Hospital Communication & Patient Transfers

- Clinician-to-clinician communication
- Patient hands-offs/transfers within hospitals and between care facilities (640 Mil per year)



### **Support from Our Early Testing**

"I thought the AOD [automatic object detection] exceeded my expectations." – *EMT Instructor* 

"I think the device would be a huge help to the medical community, specifically those on ground in the pre-hospital area." – *Former Paramedic* 

"We want to see this succeed because we know it will help our brothers and sisters downrange, and our tempo of TC3 training could provide you solid data and feedback" – *EMT/TCCC Instructor* 

"We've tried fixing this exact issue for years. I love the idea. When can we start?"- *Chief Nurse Executive* 









## **MCI App Module Features**



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- A. User Interface: Developed using Android 8.0
- B. Patient Count for number of patients triaged and transported
- C. SALT Triage Guide for documenting patient status
- D. Links data to patient's QR code
- E. Ability to request ALS back-up
- F. GPS Location Tracking
- G. Manual Data Entry: Touchscreen
- H. Data Format: XML
- I. Communication: Internet (FirstNet)
- J. Data Storage: HIPAA-compliant cloud-based



## ePCR App Module Features





- A. User Interface: Developed using Android 8.0
- B. GPS Location Tracking
- C. Manual Data Entry: Touchscreen
- D. Verbal Data Entry: Speech-to-text with Natural Language Processing (NLP) & Raw audio files
- E. Image Data Capture: Real-time image detection and classification
- F. Generates ePCR (per WebEMS, Open Source, NEMSIS-compliant format)
- G. Links ePCR to patient's QR code
- H. Data Formats: .XML, .JPG, .WAV
- I. Communication: Internet (FirstNet)
- J. Data Storage: HIPAA-compliant cloud-based





- A. Fabric band with tear-off triage color indicators.
- B. 4 colors correspond to triage color codes: red, yellow, green, black
- C. Band is stored straight and curves to attach to patient's extremity using an internal bi-stable spring (Snap bracelet)
- D. Unique QR code printed on each bracelet. Could also be an RFID chip
- E. No batteries, infinite shelf life
- F. Low-cost: \$1.45 per tag



# **Bio1 Systems' Dashboard**

Patient Summary Male patient, 53 YO. MOI: unarmed assault. C-Spine applied. Presenting problem: soft tissue injury. Airway open, Breathing labored. Bleeding is slow, oozing blood. Vitals: RR 25 BPM, SP02 96%, PULSE 89 BPM, BP 120/100 MMHG.			
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- A. User Interface: Developed using Google's Data Studio
- B. Online access via website or tablet
- C. Links to HIPAA-compliant cloudbased data entry
- D. Displays incoming patients in a List View and Map View
- E. Sorts patient by Triage Color
- F. Enables user to view patient's ePCR (in .pdf or .html formats)
- G. Enables users to transfer ePCR to hospital's EHR platform via a direct connection or API

