

### Why an App?

- Tech considerations:
  - 35% of ALL Americans own smart phones
  - That number increases 5% annually
- EMS considerations
  - Resources must be readily accessible
  - Scope and breadth of practice evolving
  - Increasing complexity of work environment and patient profiles
  - Critical thinking and decision-making demand autonomy

### Philosophy Behind the Method

- Administrative Orders are off-line orders approved by the TFD Medical Director. These orders are not intended to provide guidance for all medical or traumatic emergencies.
- It is expected that TFD EMS professionals provide care to the best of their ability and within their full scope of practice.
- If prudent and reasonable practice dictates a deviation from these orders, it is expected by the Medical Director that the Paramedic or EMT will provide the appropriate care and document the rationale and outcome accordingly.

#### **Areas Covered**

#### General Guidance

- MEDS Relays
- Transport Destinations
  - Trauma, Perinatal, Peds, Cardiac, Stroke Guidelines
- Definition of a Patient and Non-Patient
- Treat and Release
- Standard Patient Assessment
- General Triage and Transport
- Field Refusal
- Decision-making Capacity
- Death and Field Termination
- BLS & ALS Assessment Thresholds
- Standard BLS & ALS Care

#### Systems Approach

- Behavioral
- Cardiac Arrest: Continuous Cardiac Compressions & AHA
- Cardiovascular
- Environmental
- GI/GU/Gyn
- Injury, Trauma & Burn
- Metabolic
- Neuro
- OB/Neonatal
- Respiratory: congestive, obstructive, restrictive disease
- Human Services Referral
- References: Peds Drugs & equip. sizes; dosing clock, CO monitoring guide

## Design Considerations

- Mobile Application
  - Works on all devices
  - Touch screen enabled
  - Works and behaves similarly on phone, tablet, desktop computer or TV

### Cross Platform - All screens









#### **User Considerations**

- Information quickly accessible
- Simple and intuitive navigation
- Logically organized
- Searchable
- Only key concepts visible unless more detail needed



### Main Screen

- Typing in search box begins filtering out content
- Click to select



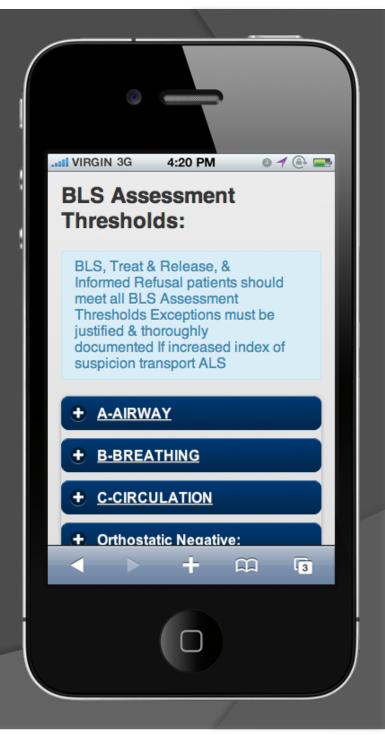
### Progression: General to Specific

Dropdowns and links are content/AO specific



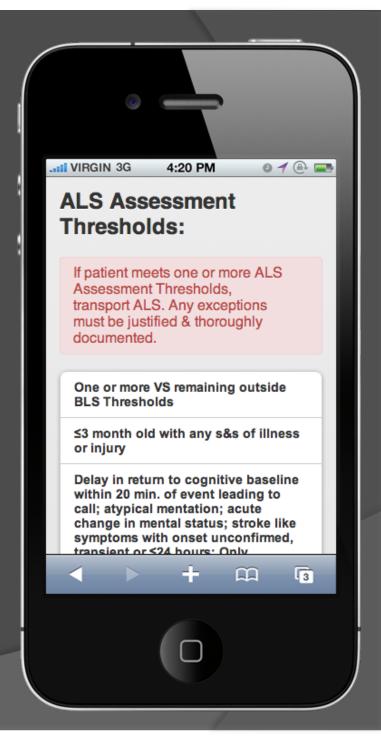
## Highlighted General Guidance

- Blue Color DenotesBLS Assessment Thresholds
- "+" Denotes dropdown content



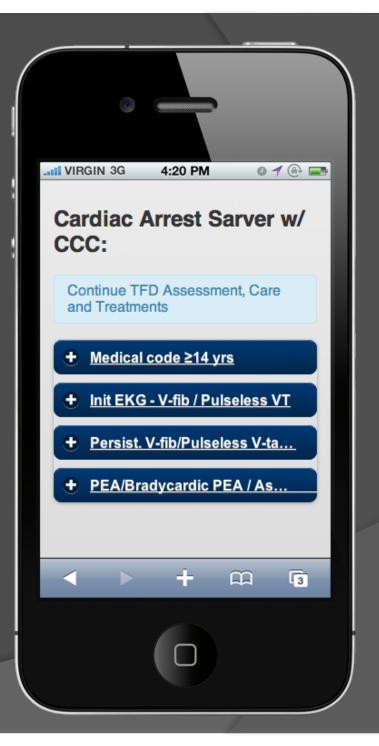
## Different Highlighting – Different Meaning

- Red Color Denotes ALS Assessment Thresholds
- Details can be scrolled



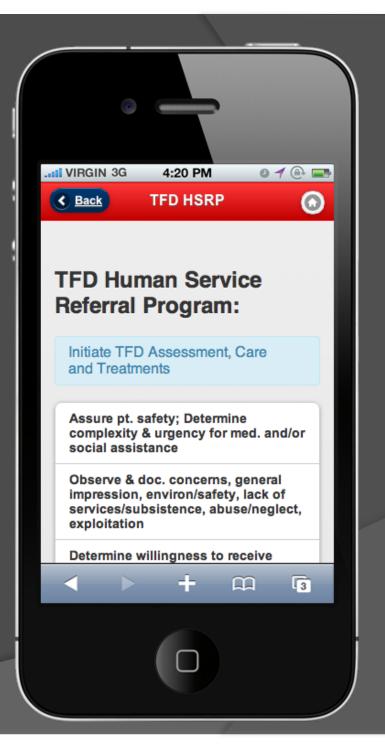
# Customizable – Medical Direction Specific

 Modifications and updates can be done in real-time to reflect evidence based practice changes, regional protocols etc.



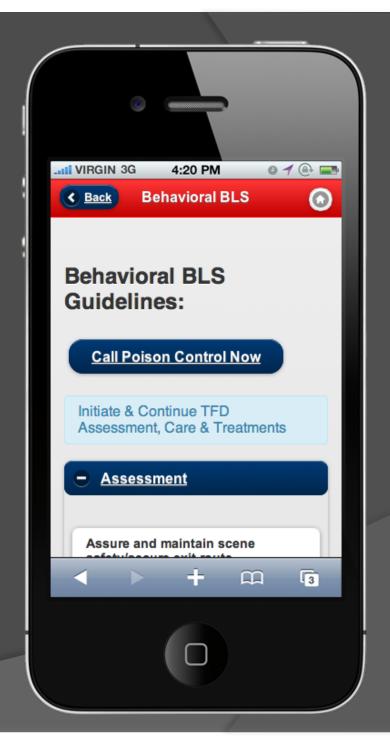
## Integrated References and Tools

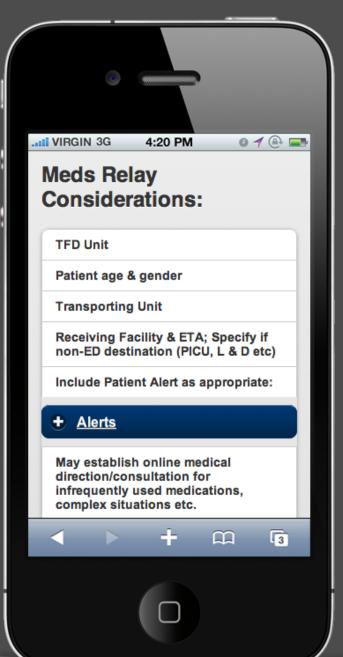
- All AOs build upon one another: all start with common assessment and treatments
- Hyper-links to references, contact information and auto-dial phone connection



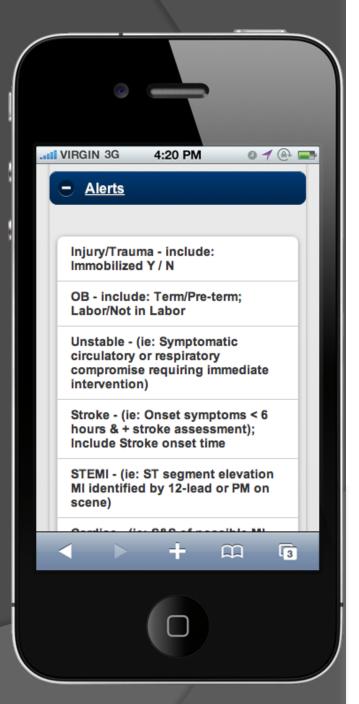
## Navigation Always Visible – Top and Bottom

- Key Concepts appear first
- Dropdowns for more detail
- Telephone numbers are instantly dialed with push of a button



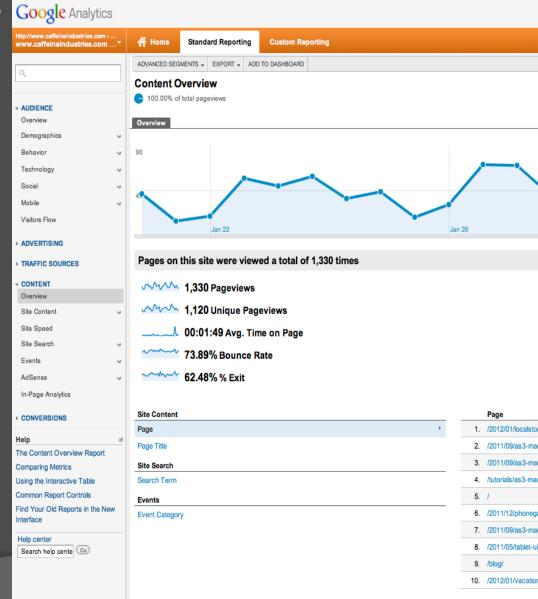


- AddsStructureandSimplifiesProcesses
- ImprovesConsistency
- DecreasesRadio Time



## Metric Usage Data – What's In It For the Google Analytics Medical Director?

- Viewable
   aggregate App
   usage by all crews
   on all calls
- Usage trends may indicate areas that need to be addressed formally in CE
- Usage metrics can help determine need for revisions and updates



### App Kitty!





## The People of Substance Behind the Front Man

- Michael Martinez
- Adrienne Hollen
- Darin Wallentine
- Norma Battaglia RIP