SUCCESES, PARTNERSHIPS, PROJECTS, AND DEPLOYMENTS: AN ALABAMA PERSPECTIVE

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University of Alabama
BACKGROUND

- University of Alabama, Center for Advanced Public Safety
  - 70+ Professional Staff, 25+ Students
  - Worked on Public Safety for over 25 years
  - Multiple states
    - Alabama, Alaska, Arkansas, Georgia, Mississippi, Puerto Rico, Wisconsin (Nevada, Tennessee, Wisconsin)
  - Law Enforcement, Transportation, EMS
PROJECTS

- MOVE
  - ✓ Mobile Officers Virtual Environment
    - Framework for all services
    - Look ups (Tag, DL, OVIS, LETS)
    - Electronic Citations, Electronic Crash Reporting
    - Location Services

- eCrash
  - ✓ Statewide, all electronic, ~150K/Yr, 4000+ LEOs

- eCite
  - ✓ Statewide, all electronic, ~1M/Yr, 4000+ LEOs
Tuscaloosa County Sheriff’s Office

- Public Facing
- View crime reports, recent arrests, active warrants, and local registered sex offenders
- Submit anonymous tips
ALAFIRE

- Real-time reporting of fire incidents, community activities, home inspections, and smoke alarm installations
- Upload photos of the fire scene
- NFIRS (Subset)
Three Pieces
- In-Cab or In-Office Electronic Patient Care Report (ePCR)
  ✓ Automatically submits to State
- Central Server-side repository
  ✓ Accepts and validates ePCRs from RECUS client and vendors
  ✓ Automatic State NEMSIS submission
  ✓ Daily
- Dashboard
  ✓ Local Agencies view their data
  ✓ State can view statewide data
- NEMSIS 3.4.0 compliant
  ✓ All validations cleared before received by the State
- No charge/free
- Goal: Better Data

**Total reports in the system year-to-date** | 515,120  
---|---
**RESCUE reports submitted year-to-date** | 84,006  
**Agencies using RESCUE** | 96  
**Agencies using 3rd party software vendors** | 204  
**Number of software vendors** | 10

- Required by Alabama Department of Public Health  
  - January 1, 2018  
  - NEMSIS 3.4.0  
- Licensing and renewal motivates providers and vendors
## STATE REPORTS

Total number of Patient Care Reports is 15680

<table>
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<tr>
<th>Agency Name</th>
<th>Incident #</th>
<th>Status</th>
<th>Primary Care Giver</th>
<th>Patient</th>
<th>Date Created</th>
<th>Dispatch Time</th>
<th>Action</th>
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VALIDATIONS

Validation Failed

Errors 7  Warnings 3

Based on Incident/Patient Disposition, the following should be recorded: EMS Transport Method, Transport Mode from Scene, Reason for Choosing Destination

Outcome  Patient  Incident

Based on Incident/Patient Disposition, Type of Service Requested, and Level of Responsiveness (AVPU), the following should be Recorded: Complaint, Duration of Complaint, Time Units of Duration of Complaint

Patient Assessment

Based on Incident/Patient Disposition, the following should have a value: Current Medications

Patient Assessment

Procedures should be recorded, since a patient was treated.

Procedures

Full Glasgow Coma Score with Qualifier should be recorded for a set of Vital Signs.

Patient Assessment

Based on Incident/Patient Disposition, the following should be recorded: Level of Responsiveness (AVPU)

Patient Assessment

Based on Incident/Patient Disposition, Type of Service Requested, and Level of Responsiveness (AVPU), the following should be Recorded: Date/Time of Symptom Onset

Patient Assessment

Alcohol/Drug Use Indicators

Choose Alcohol/Drug Use Indicator

Pregnancy

Choose Pregnancy
OPPORTUNITIES

- Evaluate Officer reported severity versus EMS
- Evaluate EMS arrival/clearance times
- Evaluate EMS procedures for training purposes
- Opioids and Drug Impaired crashes

Future Work

- Linkage: Crash -> ePCR -> Trauma Registry
- NFIRS submission
- EMS Training and Certification tracking
- Extensions for VFD
PARTNERSHIPS

- Traffic Records Coordinating Committee
  - State Stakeholders
  - GOHS, LEO, DOT, Courts, Revenue, EMS, FMCSA, FHWA
- Regional Planning Organizations
  - Local LEOs, SOs, VFDs
- Local Universities
  - Not for Profit, State organization
  - Non political