



CENTER *for* ADVANCED  
PUBLIC SAFETY

# SUCCESSSES, PARTNERSHIPS, PROJECTS, AND DEPLOYMENTS: AN ALABAMA PERSPECTIVE

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THE 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

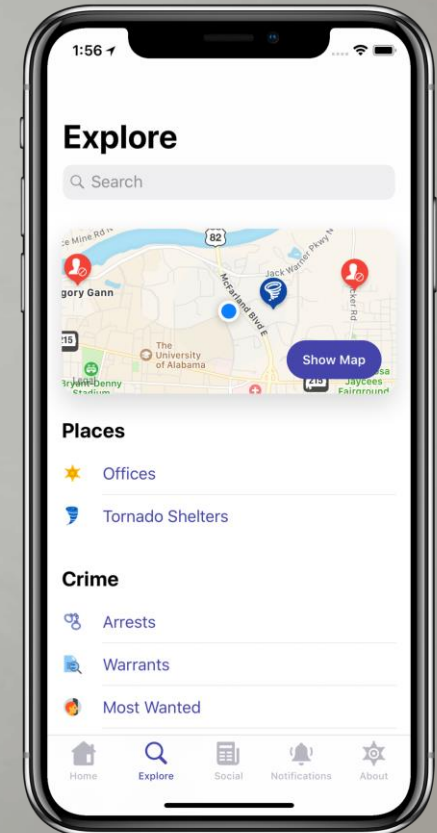


# Tuscaloosa County Sheriff's Office



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





# ALAFIRE



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- Real-time reporting of fire incidents, community activities, home inspections, and smoke alarm installations
- Upload photos of the fire scene
- NFIRS (Subset)

12:15

Cancel Report Submit

Department\*  
Center for Advanced Public Safety

Address Line 1\*  
123 Main Street

Address Line 2

City\*  
Tuscaloosa

State\*  
AL

Zip Code\*  
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Number of Injuries\*  
0

Number of Deaths\*  
0

State\* Done

1 2 3 4 5 6 7 8 9 0

- / : ; ( ) \$ & @ "

# += . , ? ! ' ' < >

ABC space return

12:17

Reports +

Tuscaloosa (35401)  
123 Main Street  
Aug 13, 2018 - 12:16 PM

Reports Prevention User

12:17

< Reports Report

Submitted on Aug 13, 2018 at 12:16 PM

Department  
Center for Advanced Public Safety

Address Line 1  
123 Main Street

Address Line 2

City  
Tuscaloosa

State  
AL

Zip Code  
35401

Number of Injuries  
2

Number of Deaths  
0

Room Fire Started In  
Living Room

Cause Of Fire  
Intentional

Smoke Alarm Status  
Present and working

Sprinkler Status  
Present, not activated

# of sprinkler heads activated

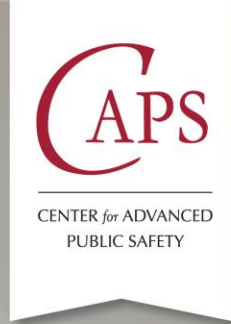
Reports Prevention User



## Recording of Emergency Medical Services Calls and Urgent Care Environment

- 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

**Funding: Alabama Department of Economic and Community Affairs, Office of Highway Safety, Alabama's Governor's Highway Safety Office.**



**Recording of Emergency Medical Services Calls and Urgent Care Environment**

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

- Required by Alabama Department of Public Health
  - January 1, 2018
  - NEMESIS 3.4.0
  - Licensing and renewal motivates providers and vendors

# INCIDENT



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ALABAMA DEPARTMENT OF PUBLIC HEALTH



Log Out

Settings ▾



PCR 20180105

Section: Incident ▾

← Overview

Scene →



Status: Passed

## Incident

Incident Number \*

20180105 ▾

Dispatch Complaint \*

Unknown Problem/Person Down ✕ ▾

EMD Performed \*

Not Applicable ✕ ▾

Agency

EMS Agency Number \*

928

Service

Type of Service Requested \*

911 Response (Scene) ✕ ▾

Dispatch Delay \*

✕ None/No Delay

Response Delay \*

✕ None/No Delay

Scene Delay \*

✕ None/No Delay

Transport Delay \*

✕ None/No Delay

Turn-Around Delay (Back In Service Delay) \*

✕ None/No Delay

Unit # \*

Medic 2 ✕ ▾

Primary Role of the Unit \*

Ground Transport ✕ ▾

Level of Care of This Unit \*

ALS-Paramedic ✕ ▾

Beginning Odometer Reading of Responding Vehicle

0

On-Scene Odometer Reading of Responding Vehicle

12.9

Patient Destination Odometer Reading of Responding Vehicle

25.8

Ending Odometer Reading of Responding Vehicle

Response Mode to Scene \*

Additional Response Mode Descriptors \*

## Times

PSAP Call Date/Time \*

MM/DD/YY HH:MI Not Applicable ▾

Dispatch Notified Date/Time \*

01/30/2018 22:44

Unit Notified by Dispatch Date/Time \*

01/30/2018 22:48

Unit En Route Date/Time \*

01/30/2018 22:52 ▾

Unit Arrived on Scene Date/Time \*

01/30/2018 23:08 ▾

Arrived at Patient Date/Time \*

01/30/2018 23:09 ▾

Transfer of EMS Patient Care Date/Time \*

MM/DD/YY HH:MI Not Applicable ▾

Unit Left Scene Date/Time \*

01/30/2018 23:22 ▾

Patient Arrived at Destination Date/Time \*

01/30/2018 23:37 ▾

Destination Patient Transfer of Care Date/Time \*



# STATE REPORTS



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ALABAMA DEPARTMENT OF PUBLIC HEALTH



Log Out

Settings ▾



Total number of Patient Care Reports is 15680

Agency Name ⇅	Incident # ⇅	Status ⇅	Primary Care Giver ⇅	Patient ⇅	Date Created ▾	Dispatch Time ⇅	Action
<input type="text" value="Search Agencies"/>	<input type="text" value="Search Incid"/>	<input type="text" value="Choose Statuses ▾"/>	<input type="text" value="Search PCG"/>	<input type="text" value="Search Patient"/>	<input type="text" value="Search I ✕"/>	<input type="text" value="Search I ✕"/>	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	011718-3617	In Progress			02/01/2018 15:53	N/A	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	011918-4167	In Progress			02/01/2018 15:33	01/19/2018 20:51	
ADVANCED EMS, INC	180578	In Progress			02/01/2018 15:33	02/01/2018 10:20	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	012018-4216	Ready For Transfer			02/01/2018 15:32	01/20/2018 07:02	
ATTALLA FIRE & RESCUE	02005-18	In Progress			02/01/2018 15:29	02/01/2018 14:56	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	011718-3616	Ready For Transfer			02/01/2018 15:27	01/17/2018 15:53	
HUEYTOWN FIRE & RESCUE	18-257	In Progress			02/01/2018 15:25	02/01/2018 14:19	
PINE MOUNTAIN VOLUNTEER FIRE AND EMS DISTRICT, INC.	2018-08	In Progress			02/01/2018 15:25	01/30/2018 21:24	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	012018-4316	Ready For Transfer			02/01/2018 15:23	01/20/2018 14:44	
NORTHSTAR PARAMEDIC SERVICES - TUSCALOOSA	011718-3526	Ready For Transfer			02/01/2018 15:23	01/17/2018 10:37	

Refresh

⏪ ⏩ 1 2 3 4 5 ⏪ ⏩

# VALIDATIONS



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**RESCUE** CENTER FOR ADVANCED PUBLIC SAFETY Log Out Settings **ALABAMA** Emergency Medical Services

PCR TEST1234 Section: Patient Assessment ← Patient Injury → Validate Submit Status: In Progress

### Validation Failed

**Errors 7** **Warnings 9**

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 \* Pregnancy

# DASHBOARD



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**SAFETY**

AL Crash

Public View [Login](#)

Dashboard

Hide Nulls

Date: Custom Date Range

Filters: Injury Crashes (including Fataliti...  
 Rural

Variable: County

Selected: 206 of 48,454 (1 Category)

Value	Count
Autauga	630
Baldwin	1,850
Barbour	268
Bibb	260
Blount	919
<b>Bullock</b>	<b>206</b>
Butler	444
Calhoun	1,525
Chambers	372
Cherokee	500

Save

Drill Down

Cross Tab

About This Datasource

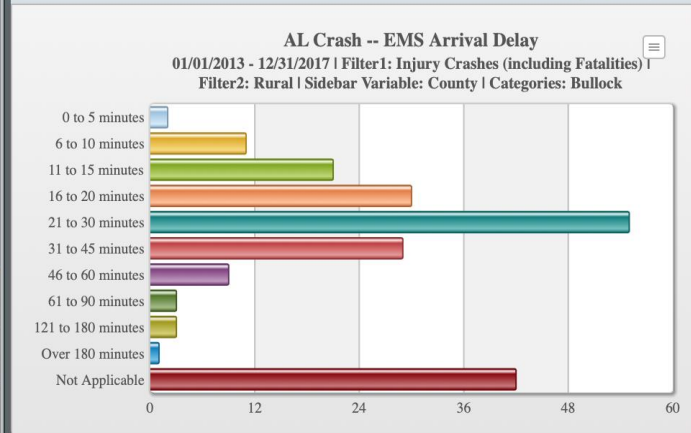
AL Crash

Crash Severity

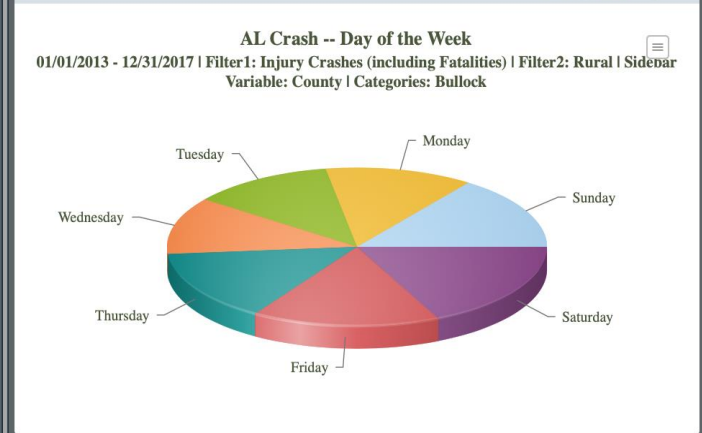
Value	Count
Fatal Injury	19
Incapacitating Injury	57
Non-Incapacitating Injury	89
Possible Injury	41



EMS Arrival Delay



Day of the Week



# 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



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**THANK YOU**

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Connect with UACAPS  