

ESO Data Tools

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Hawaii State Department of Health

Emergency Medical Services and Injury Prevention System Branch

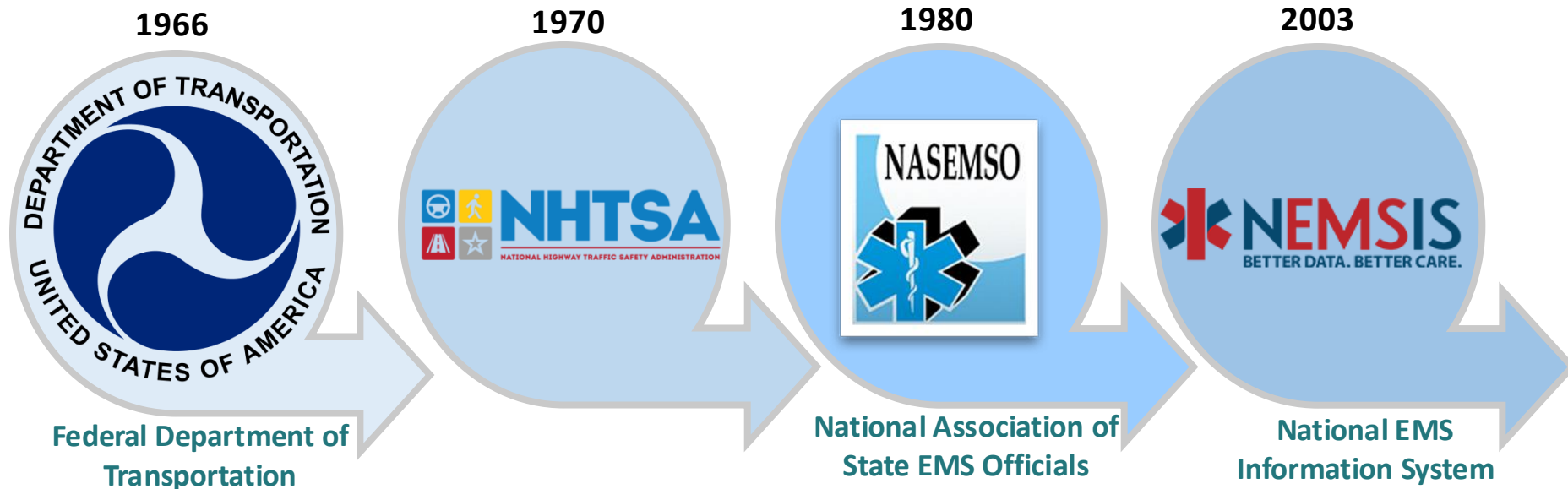


Overview

- EMS relationship with NHTSA
- Safe System Approach – POST CRASH CARE
- NHTSA-Funded HDE project
- Data Integration
- Reporting tools and capabilities



EMS Data Origins



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Safe System Approach

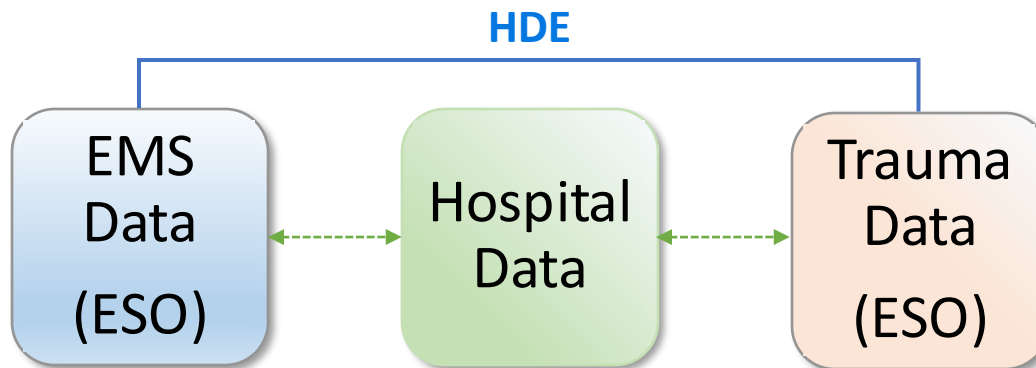
Post Crash Care

- DOT adopted a Safe System Approach to address roadway safety
- Post crash care is one of five Safe System Approach Objectives
 - Enhance survivability of crashes through expedient access to emergency medical care

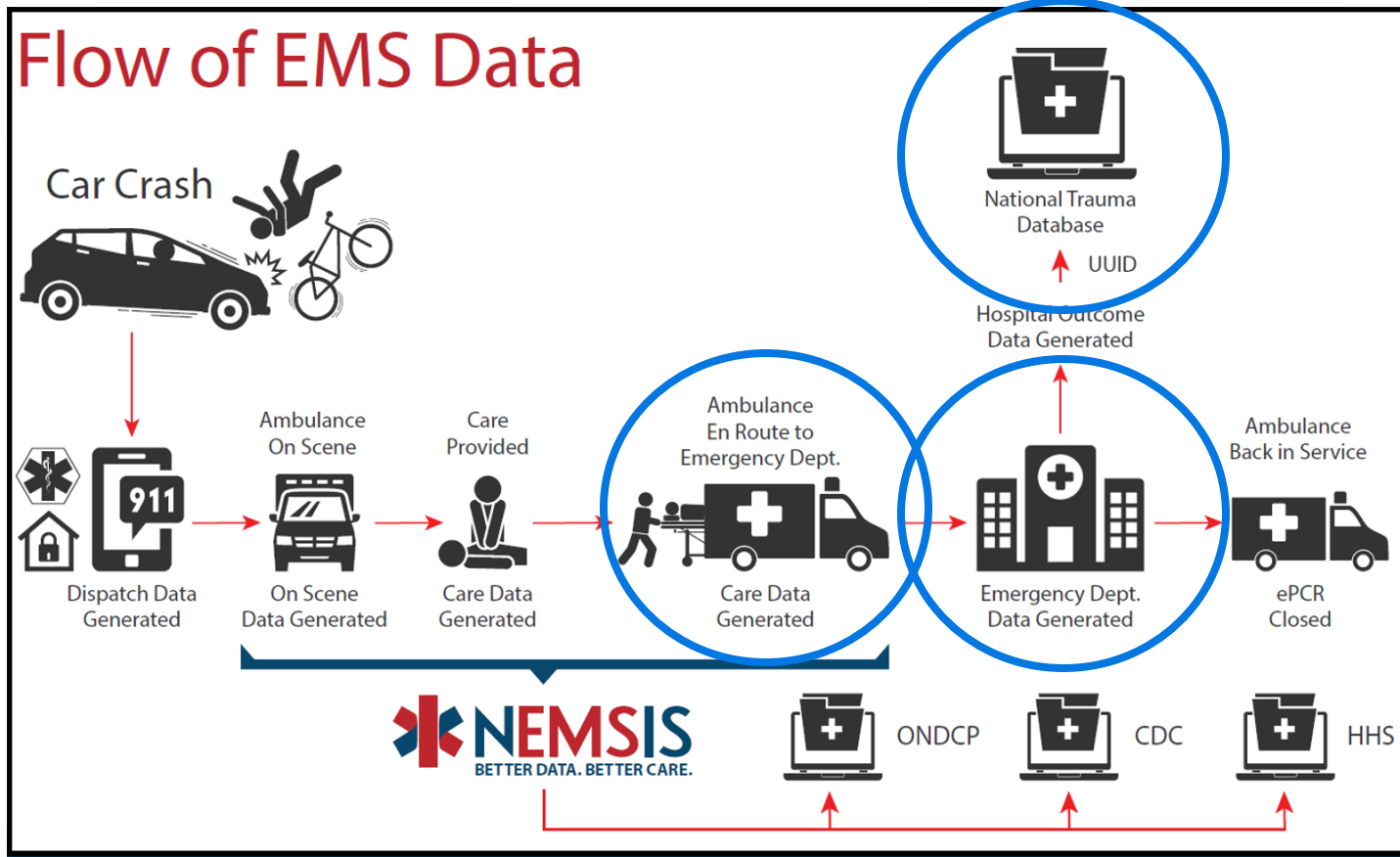


Health Data Exchange (HDE)

To improve survivability of motor vehicle incidents by enhancing post crash care data interoperability and establishing a seamless bidirectional data flow between Hawaii's **EMS system**, **hospital system**, and **trauma system**.



Data Flow



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HDE Status

EMS Data

- Hawaii EMS agencies transitioned to NEMESIS v3.5 in October 2023
 - Universally Unique Identifier (UUID)
- Insights Training

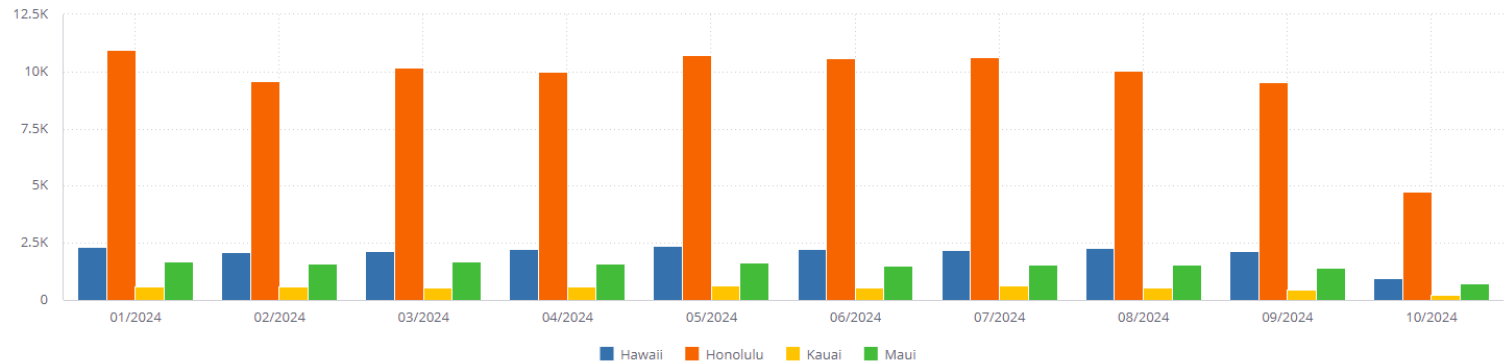
Trauma Registry Data

- Trauma center migration to ESO Patient Registry
- Configuration
- Insights Training

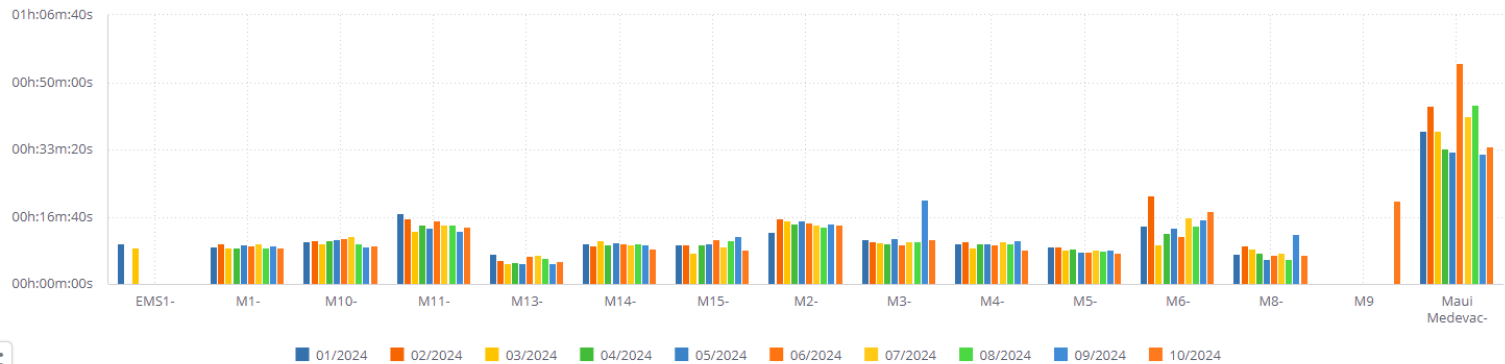


EMS Data Visualization

EMS Utilization by County and Month



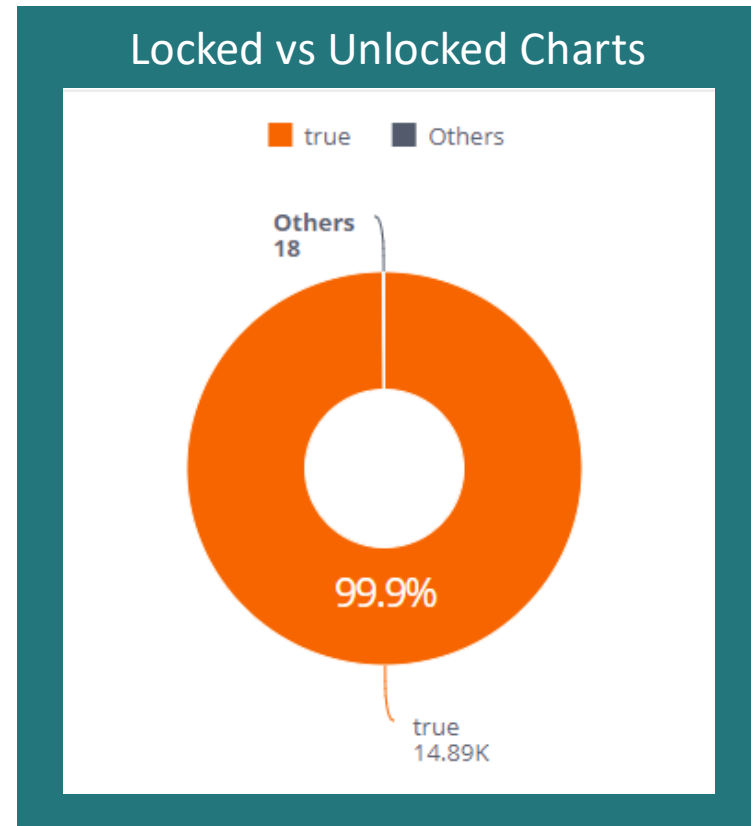
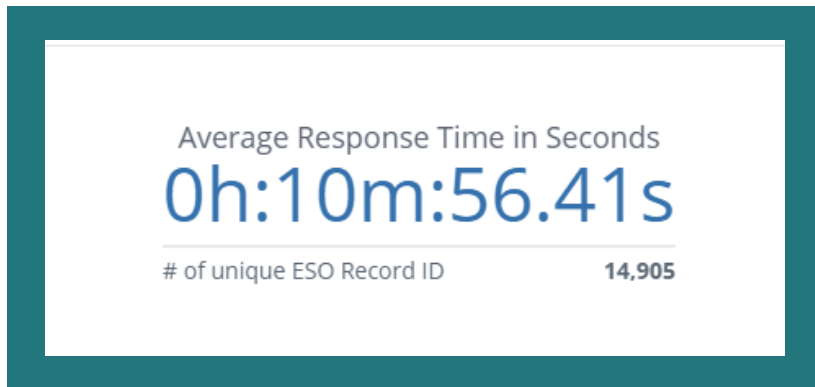
EMS Unit Average Response Time by Unit and Month



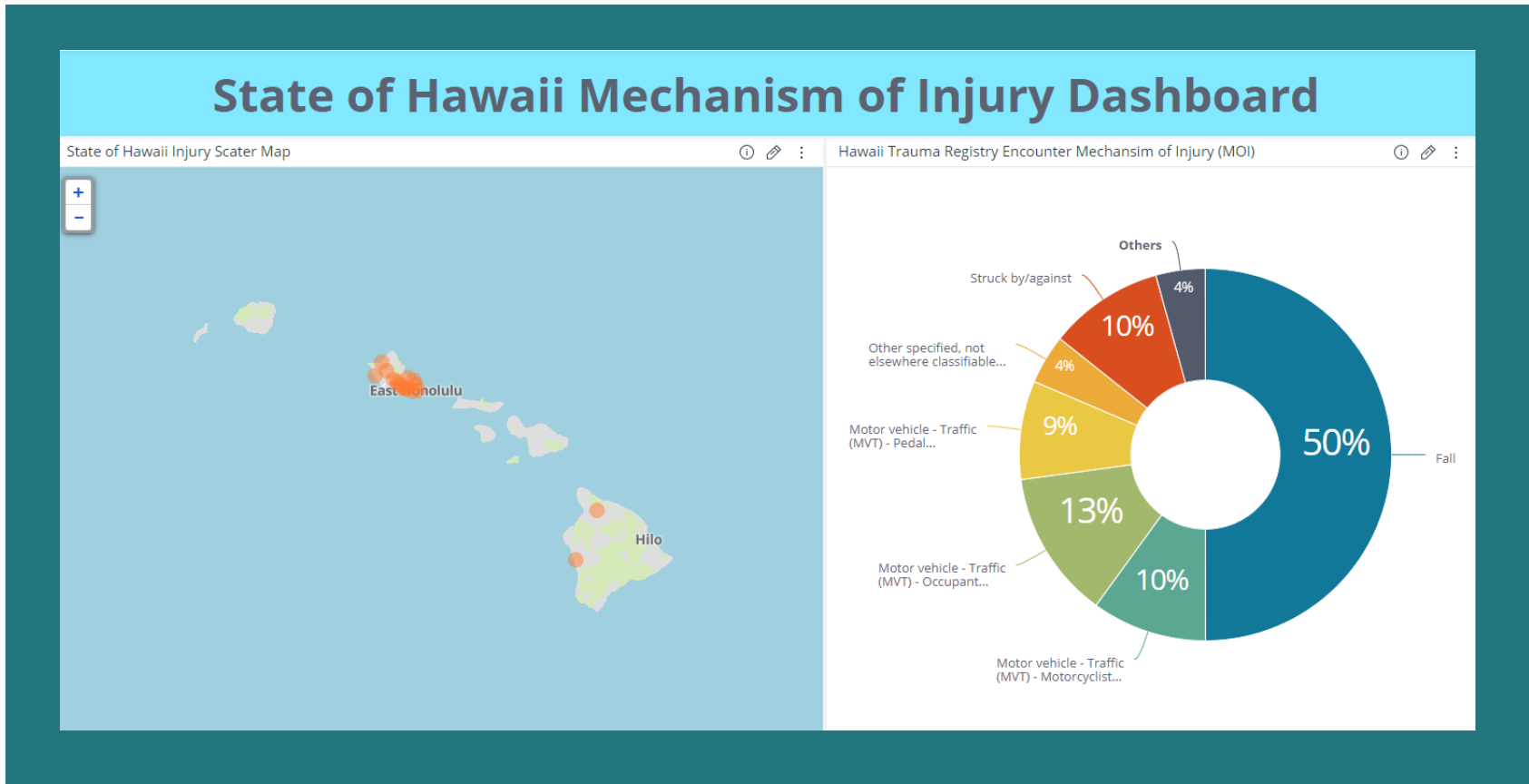
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EMS Data Visualization



Trauma Data Visualization

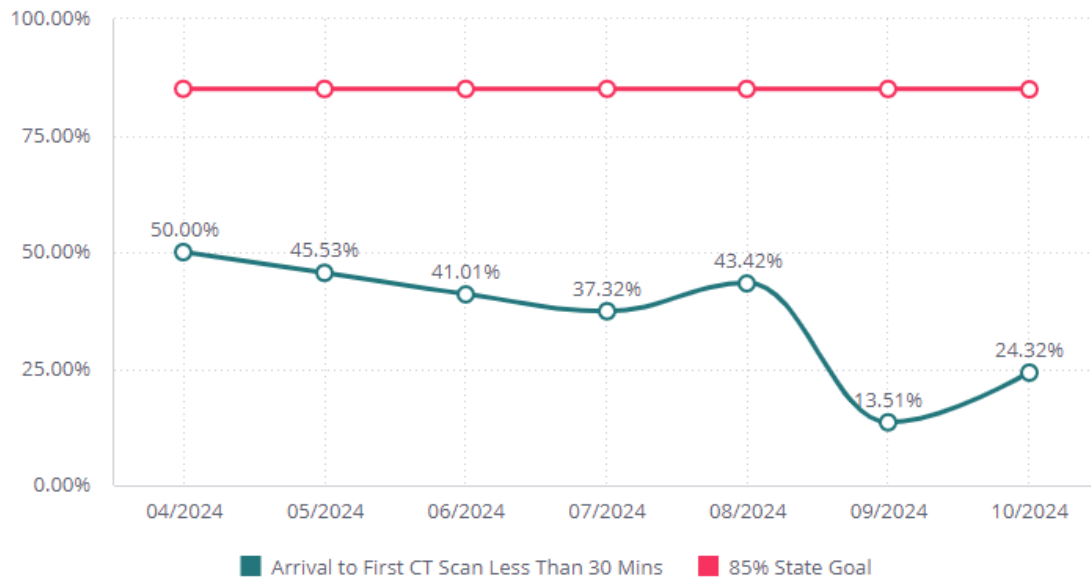


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Performance Improvement

CT Percent Less Than 30 mins from Arrival with State Trauma PI Goal



- Performance Measure: Time to first CT scan is less than 30 minutes
- Benchmark: 85%



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