

A blurred background image of an ambulance with the word "AMBULANCE" visible on its side.

Time Sensitive Injury & Illness Recognition Program

EMS & Trauma Systems

DPHHS

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What are the TSIIs?

A white ambulance is parked in front of a building. The word 'AMBULANCE' is written in blue letters on the side of the vehicle. The ambulance has red and blue emergency lights on top. The background is a blurred view of a building with windows and a door.

- Chest Pain/STEMI
- Stroke
- OHCA

- EMSC

- TBI
- Trauma / MVC

TSII Project

- Tracking Benchmarks for these conditions based on National Recommendations and Guidelines
- Using ImageTrend Data
- Reported to Individual Agencies 2x each Year
- Goal = Improve Patient Outcomes!!



Measure & Improve

- Establish a Baseline
- Identify Gaps
- Set Goals
- Implement Changes
- Measure Performance
- Analyze Results
- Update / Adapt



General Info for Recognition



- Apply / Renew Every 2 Years
- Meet Criteria Outlined in Document
- Some for All TSIIIs
- Each TSII has Specific Criteria

General Criteria

- 80% of TSII cases reviewed with EMS staff; areas of excellence and improvement are noted
- 50% of TSII cases reviewed with Medical Director or ED Team; areas of excellence and improvement are noted
- Benchmarks for PI are established/reviewed annually
- 80% EMS staff participate in an annual joint training with receiving hospital(s) and 1st responders, i.e. Mock Code

Specific Criteria



Divided into 3 Parts

1. Skills Maintenance/Improvement
2. Documentation to Reflect Practice
3. QI Measures for Benchmarking

Chest Pain

- Practice doing 12-leads
- DOCUMENTATION
 - FMC → 12-lead < 10 min
 - 12-lead transmitted to hospital
 - STEMI alerts
 - ASA in the field
 - Capnography
 - On Scene Time ≤ 15 min
- QI Measures

AMBULANCE

Stroke

- Practice Stroke Screening & Severity Tools
- Smart BVM Practice
- DOCUMENTATION
 - LKW
 - LKN
 - Glucose level
 - Stroke Alert
 - Screening & Severity scores
 - Capnography
 - On Scene Time \leq 15 min
- QI Measures

Out-of-Hospital Cardiac Arrest



- HPCPR/Mechanical CPR training
- Smart BVM practice
- DOCUMENTATION
 - FMC to CPR < 2 min
 - ROSC → 12-lead
 - Capnography for RR
 - HPCPR standards met
- Cases downloaded from monitor and reviewed
- CARES data reviewed for accuracy
- QI Measures

Traumatic Brain Injury



- Smart BVM Practice
- Capnography Practice
- DOCUMENTATION
 - GCS
 - Vitals
 - Glucose Check
 - Oxygen administration within 1 min
- Qi Measures
- Not Ready for Prime Time

Other / Plus Criteria

- Improving Bystander Recognition and Response
 - Public Awareness Campaigns
 - CPR/AED Classes
 - Seat Belt / Helmet Campaigns
- Provide Outcomes to Dispatch. Practice with Dispatch as Appropriate.
- Low Call Volume Agencies will be given consideration
- Agencies with no EMD Program will be given consideration



Coming Soon!!

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