

V3 Performance Measures

- [Introduction](#)
- [Seizure](#)
 - [Seizure-01 Blood Glucose Evaluation](#)
- [Stroke](#)
 - [Stroke-01 Suspected Stroke Receiving Prehospital Stroke Assessment](#)
- [Trauma Pain](#)
 - [Trauma-01 Pain Assessment of Injured Patients](#)
- [Contact Info](#)

Introduction

The [EMS Compass](#) initiative developed a set of performance measures to support measurement and improvement in the quality of EMS care at the local, regional, state, and national levels. Some EMS Compass performance measures are based on NEMSIS data elements that are available in the national EMS database ("National" elements). The NEMSIS TAC is implementing those EMS Compass performance measures one-by-one and making them available nationally for analysis via two tools:

- [V3 Public Performance Measure Dashboard](#) (for the public)
- [V3 Public Performance Measure Web Service](#) (for software developers)

Each currently-available performance measure is documented here. The NEMSIS TAC was careful to implement the performance measures exactly as defined by the EMS Compass initiative, even if NEMSIS TAC staff perceived weaknesses or limitations in the definitions. As each performance measure is released, it will be added to this page.

In all measures, the numerator criteria implicitly include the denominator criteria. In other words, the numerator can only select records that are selected in the denominator. The number of records contributing to the numerator can never be larger than the number of records contributing to the denominator.

Seizure

Seizure-01 Blood Glucose Evaluation

Topic /Clinical Area	Seizure
ID	Seizure-01
Measure Title	Blood Glucose Evaluation
Description	Measure of seizure patients who received an evaluation of their blood glucose
Measure Type	Process
Rationale	Blood glucose is an important diagnostic vital sign for determination of the cause of a seizure.
Denominator	Patients with ongoing status seizure activity (also known as status epilepticus, defined as seizing for 5 minutes or more or two or more status seizures in a 5-minute period without regaining consciousness) originating from a 911 request: (eSituation.11 Provider's Primary Impression is G40.901 ("Epilepsy, unspecified, not intractable, with status epilepticus") or eSituation.12 Provider's Secondary Impressions is G40.901 ("Epilepsy, unspecified, not intractable, with status epilepticus")) and eResponse.05 Type of Service Requested is 2205001 ("911 Response (Scene)")
Numerator	Patients receiving a blood sugar evaluation: eVitals.18 Blood Glucose Level is not null

Note: If the intent is to capture all seizures with status epilepticus, the code G40.901 in the denominator is overly restrictive and should be replaced with the pattern G40.??1. However, the measure is implemented as defined by EMS Compass.

Stroke

Stroke-01 Suspected Stroke Receiving Prehospital Stroke Assessment

Topic/Clinical Area	Stroke
ID	Stroke-01
Measure Title	Suspected Stroke Receiving Prehospital Stroke Assessment
Description	To measure the percentage of suspected stroke patients who had a stroke assessment performed by EMS
Measure Type	Process
Rationale	Stroke assessments using prehospital stroke assessment tools can screen for stroke and affect patient destinations.
Denominator	Patients with a provider impression of stroke originating from a 911 request: <pre>(eSituation.11 Provider's Primary Impression matches /^(I63) (G45)/ ("Cerebral infarction..." or "Transient cerebral ischemic attacks...") or eSituation.12 Provider's Secondary Impressions matches /^(I63) (G45)/ ("Cerebral infarction..." or "Transient cerebral ischemic attacks..."))</pre> and eResponse.05 Type of Service Requested is 2205001 ("911 Response (Scene)")
Numerator	Number of suspected stroke patients who had a stroke assessment performed (CPSS, LAMS, etc.): <pre>eVitals.29 Stroke Scale Score is not null or eVitals.30 Stroke Scale Type is not null</pre>

Trauma Pain

Trauma-01 Pain Assessment of Injured Patients

Topic/Clinical Area	Clinical
ID	Trauma-01
Measure Title	Pain Assessment of Injured Patients
Description	Recognizing that pain is undertreated in injured patients, it is important to assess whether a patient is experiencing pain
Measure Type	Process
Rationale	Recognizing that pain is undertreated in injured patients.
Denominator	Patients with injury originating from a 911 request: <pre>eSituation.02 Possible Injury is 9922005 ("Yes") and eResponse.05 Type of Service Requested is 2205001 ("911 Response (Scene)")</pre>
Numerator	Patients with pain scale value present: <pre>eVitals.27 Pain Scale Score is not null</pre>

Contact Info

Any questions, comments, concerns or suggestions with regard to this or other reports made available by the NEMIS TAC, please contact us or leave a comment below!

Contact information is also available on [our website](#).

Kevin White, BS

University of Utah School of Medicine
NEMIS Technical Assistance Center
Phone: (801) 213-3408
Fax: (801) 581-8686
Email: kevin.white@hsc.utah.edu

Laurel Baeder, BA, MStat

University of Utah School of Medicine
NEMIS Technical Assistance Center
Phone: (801) 587-7367
Fax: (801) 581-8686
Email: laurel.baeder@hsc.utah.edu



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