BLOOD GLUCOSE LEVEL IN SEIZURE PATIENTS

OBJECTIVE
Identify hypoglycemia as a likely cause of seizure

DEFINITIONS

% Compliance
Percentage of patients assessed by EMS providers found to meet criteria for a primary clinical impression of seizure that then receive blood glucose level assessment.

BGL Assessment
Determination of the patient’s blood glucose level regardless of the resultant BGL value [from RescueNet with D-stick as an intervention or a value entered in vital signs].

Seizure Patient
Any patient who is treated by EMS for seizure or remains post-ictal during EMS assessment. This set of patients is defined by the primary clinical impressions of “Seizure – Other Convulsions”, “Seizure Febrile” and “Seizure Postictal State”.

Performance Objective
Assessment of blood glucose level in seizure patients as defined above

REPORTING

Indicator Items
Total number of seizure patients defined as a primary clinical impression of “Seizure – Other Convulsions”, “Seizure Febrile” or “Seizure Postictal State”. [from RescueNet] (Denominator, D)

Total number of seizure patients in which a blood glucose level was assessed as indicated by the intervention data field(s) or vital signs data field [from RescueNet] (Numerator, N)

% meeting performance objective criteria

FORMULA

N/D X 100 = %

EXCLUDED CASES

- Patients that do not meet the Clinical Impression definition for “Seizure – Other Convulsions”, “Seizure Febrile” or “Seizure Postictal State”.

DATA SOURCE(S)

COGNOS report from RescueNet
CLINICAL PERFORMANCE INDICATOR

#6.5

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REPORTING CRITERIA

Reporting Period: Quarterly; Due to OMD PI at least 2 business days prior to the EMS/OMD PI meeting at which Performance Measures will be discussed

Visual Format: Line Chart (single chart); Y axis = % Compliance; X axis = quarter/year; Include the 5 most recent quarters of data; Include raw data in non-PDF format (e.g. Excel) (See chart layout and design example below)

Chart Legend: Include total number seizure patients for each quarter

TYPE OF MEASURE: Process

PERFORMANCE IMPROVEMENT: Performance measures are reviewed periodically by the Agency and OMD Performance Improvement staff. Clinical performance is overseen by the System Clinical Performance Improvement Committee and its Subcommittees.

REFERENCES: None

DOCUMENT APPROVAL: All clinical performance measures and revisions to these measures are reviewed and approved by the System Clinical Performance Improvement Committee.