



STROKE REGISTRY STANDARDS

Effective: October 28, 2013
Replaces: New
Review: October, 2016

Resources: None

I. Purpose

The purpose of this policy is to establish standards for collecting and compiling information related to stroke patient care within Santa Clara County.

II. Definitions:

- A. PSC- Primary Stroke Center
- B. Stroke Registry- A registry is a list of patients and their relevant clinical data that can be sorted by a condition or set of conditions in order to improve and monitor the care of the population.

III. Policy

All designated Primary Stroke Centers in Santa Clara County will provide the following data to the Santa Clara County EMS Stroke System registry.

IV. Data Collection

A. Inclusion Criteria

1. Any patient who is diagnosed with the following ICD-9 codes:
 - a) Ischemic Stroke (ICD-9 codes 433 except 433.10, 434, and 436)
 - b) Subarachnoid hemorrhage- (ICD-9 430)
 - c) Intra-cerebral hemorrhage – (ICD-9 431)

B. Exclusion criteria

1. TIA (ICD-9 code 435)
2. CEA without infarct (ICD-9 433.10)
3. Subdural Hematoma (ICD-9 code 852 and 432)

C. Data elements collected

1. Final Clinical Diagnosis related to Stroke
2. Mode of Arrival
3. Arrival date and time
4. Not admitted, transferred from one ED to another
5. Birthdate for EMS patients only
6. Age
7. Gender
8. Race
9. Hispanic ethnicity
10. Symptom timeline
 - a. Date and time last known well
11. Thrombolytic Therapy
 - a. Date and time initiated
12. IA reperfusion date and time

D. Data collection process

1. Until an electronic registry is established, the PSC will submit data to the county via established methods, (Excel spread sheet) on a quarterly basis no later than 45 days following the end of the quarter.
2. The EMS Agency will aggregate data into a report which presented at the Stroke Care System Quality Improvement Committee (SCSQIC).

3. Contents of the report:

- a. The EMS Agency shall aggregate data into a report which shall be presented to the Stroke Care System Quality Improvement Committee (SCSQIC). The report shall contain:
 - i. Total number of patients seen by stroke facilities per quarter
 - ii. Totals of type of strokes seen by the facility
 - iii. Totals of patients mode of arrival at facility
 - iv. Total number of patients with Ischemic strokes seen within 3.5 hours of Time Last Known Well (TLKW)
 - v. Percent of Ischemic Strokes treated with IV tPa
 - vi. Percent of tPa eligible (see “d” above) Ischemic Stroke patients treated with tPa
 - vii. Median time of TLKW to treatment with tPa
 - viii. 90th percentile of TLKW to tPa
 - ix. Median time of arrival time to tPa
 - x. 90th percentile of time of arrival to tPa
 - xi. Percentage of patients treated with tPa within 60 minutes of arrival to facility