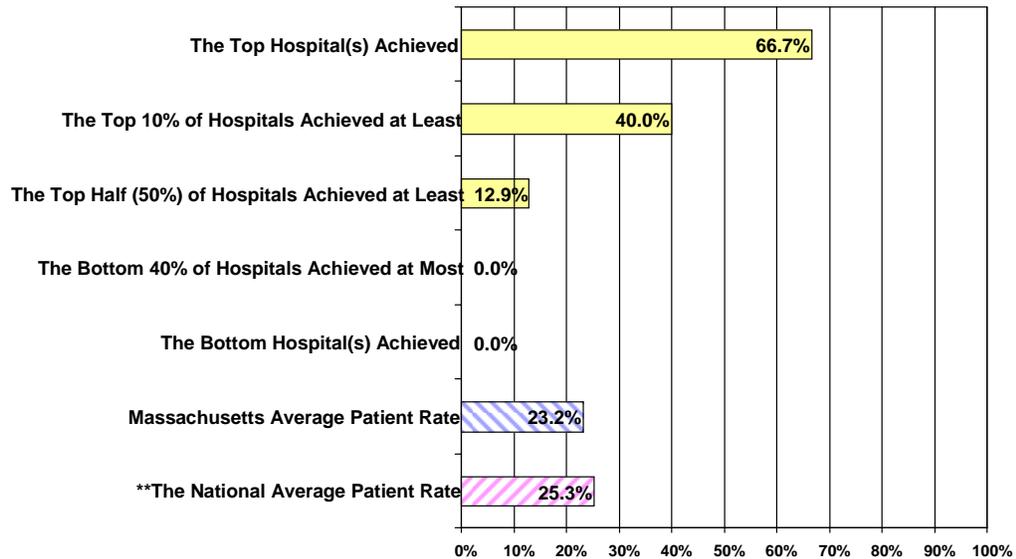


## Treatment with IV-tPA

### 5. Percentage of eligible ischemic stroke patients who received IV-tPA within 60 minutes from arrival at MA PSS hospital Emergency Department.

All hospitals strive to treat eligible patients with IV-tPA as rapidly as possible. The ultimate goal is to treat most patients within one hour of hospital arrival. Nationally, less than 25% of patients receive IV-tPA within 60 minutes. The following graph shows the percentage of ischemic stroke patients in MA PSS hospital Emergency Departments who received IV-tPA within 60 minutes from arrival at the Emergency Department in 2007 and 2008. The data are broken down to show the range of performance among the top 10%, top 50%, and bottom 40% of hospitals because a large number of hospitals did not treat any patients within 60 minutes.

**Fig. 5. Percentage of ischemic stroke patients who received IV-tPA within 60 minutes from Emergency Department arrival**



Note: 633 patients received IV-tPA in 62 hospitals. 8 hospitals had no patients who received IV-tPA and were excluded from the analysis. Nationally 13,265 patients received IV-tPA in 1,238 hospitals.

\*\* The national comparative statistics are provided from the American Heart Association's *Get With The Guidelines<sup>SM</sup>-Stroke Patient Management Tool* (Powered by Outcome, Cambridge, MA).

The hospitals are distributed as follows: The top 10% = 7 hospitals, the top 50% = 32 and the bottom 40% = 25.

#### What does this graph show?

This graph shows that the top hospital gave IV-tPA within 60 minutes from the time the patient arrived at the ED to 66.7% of the patients who received IV-tPA. The top 10% (7 hospitals) gave IV-tPA within 60 minutes to 40% to 66.7% of their patients who received IV-tPA. The top 50% (32 hospitals) gave 12.9% to 66.7%, while 41.9% (26 hospitals) did not give any patients IV-tPA within 60 minutes of ED arrival. Eight hospitals did not treat any ischemic stroke patients with IV-tPA. Overall 23.2% of 633 patients who received IV-

tPA were treated within 60 minutes of ED arrival in Massachusetts. Nationally, 25.3% were treated in 60 minutes.