

## Hospital Size Report (2009 – 2010)

The tables below list PSS hospital-specific performance on the percentage of eligible<sup>1</sup> patients who received IV-tPA for PSS hospitals in the years 2009 and 2010 combined. The tables also allow you to compare a hospital's performance to the overall performance of like-sized hospitals. Due to MA Department of Public Health standards for patient confidentiality, we are unable to provide hospital specific performance rates for [hospitals that received 5 eligible patients or less](#).

### Hospital Size

Three size categories were selected: less than 100 beds; 100-199 beds; and, 200 or more beds. These size categories are commonly used by national organizations to classify hospitals for comparison. In this report, bed-size refers to the number of beds the hospital is licensed to use.

### Reading the Tables

The first table shows the number of hospitals, the total number of eligible patients who arrived at a PSS Hospital and the percentage who received IV-tPA in each hospital size category. The following tables list PSS hospitals by size category and the number of eligible patients who arrived at each hospital, with the number and percentage who received IV-tPA. The last column compares each hospital's performance for the administration of IV-tPA to the overall performance of all Primary Stroke Service hospitals in its size category. It is listed as Equal, More Often, or Less Often, meaning that the hospital provided IV-tPA to eligible patients equal to, or more or less often than the size category rate. In order for a hospital to be noted as providing IV-tPA more or less often, the difference between the hospital rate and the size category rate has to be statistically significant<sup>2</sup>. This means that the difference in the rates is unlikely to have happened by chance and more likely to be related to hospital practices. Otherwise, the hospital's rate is noted as "Equal" to the size category rate.

	Hospital Size Category Peer Group		
	Less than 100 Beds	100 - 199 Beds	200 Beds or More
<b># of Hospitals</b>	15	29	24
<b># of Eligible<sup>1</sup> Patients</b>	109	287	717
<b>% Received IV-tPA</b>	73.4%	74.9%	82.7%

### Less than 100 Beds

Hospital	# of Patients Eligible <sup>1</sup> for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Baystate Franklin Medical Center, Greenfield	12	11	91.7	Equal
Baystate Mary Lane Hospital, Ware	6	6	100	Equal
Beth Israel Deaconess Hospital, Needham	8	8	100	Equal
Falmouth Hospital, Falmouth	8	8	100	Equal
Marlborough Hospital, Marlborough	12	10	83.3	Equal
Martha's Vineyard Hospital, Oak Bluffs	8	†	†	Equal
Milton Hospital, Milton	15	8	53.3	Equal
Noble Hospital, Westfield	8	8	100	Equal
Southcoast Hospitals Group/Tobey, Wareham	6	†	†	Equal
Wing Memorial Hospital, Palmer	14	6	42.9	Less Often

### 100 to 199 Beds

Hospital	# of Patients Eligible <sup>1</sup> for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Anna Jaques Hospital, Newburyport	9	9	100	Equal
Cooley Dickinson Hospital, Northampton	17	16	94.1	Equal
Emerson Hospital, Concord	17	10	58.8	Equal
Good Samaritan Medical Center, Brockton	19	13	68.4	Equal
Harrington Memorial Hospital, Southbridge	9	7	77.8	Equal
Health Alliance Hospital, Leominster	14	6	42.9	Less Often
Heywood Hospital, Gardner	25	15	60.0	Equal
Jordan Hospital, Plymouth	19	17	89.5	Equal
Lawrence General Hospital, Lawrence	17	12	70.6	Equal
Lowell General Hospital, Lowell	25	6	24.0	Less Often
MetroWest Medical Center, Framingham Campus	26	24	92.3	Equal
MetroWest Medical Center, Natick Campus	6	6	100	Equal
Milford Regional Medical Center, Milford	8	8	100	Equal
Morton Hospital, Taunton	23	18	78.3	Equal
North Adams Regional Hospital, North Adams	6	6	100	Equal
North Shore Medical Center-Union Hospital, Lynn	8	8	100	Equal
St. Anne's Hospital, Fall River	6	6	100	Equal
Sturdy Memorial Hospital, Attleboro	6	6	100	Equal

### 200 Beds or More

Hospital	# of Patients Eligible <sup>1</sup> for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Baystate Medical Center, Springfield	38	35	92.1	Equal
Berkshire Medical Center, Pittsfield	23	22	95.7	Equal
Beth Israel Deaconess Medical Center, Boston (West Campus)	21	20	95.2	Equal
Beverly Hospital, Beverly	8	8	100	Equal
Boston Medical Center (Menino Campus), Boston	26	25	96.2	Equal
Brigham & Women's Hospital, Boston	14	14	100	Equal
Cape Cod Hospital, Hyannis	43	21	18.3	Less Often
Holy Family Hospital, Methuen	22	15	33.3	Equal
Holyoke Medical Center, Holyoke	24	24	100	Equal
Lahey Clinic Hospital, Burlington	51	50	98.0	More Often
Massachusetts General Hospital, Boston	72	71	98.6	More Often
Mercy Hospital, Springfield	18	11	61.1	Equal
Mount Auburn Hospital, Cambridge	13	12	92.3	Equal
Newton-Wellesley Hospital, Newton	21	20	95.2	Equal
North Shore Medical Center-Salem Hospital, Salem	37	33	89.2	Equal
Norwood Hospital, Norwood	22	20	90.9	Equal
Signature Healthcare Brockton Hospital, Brockton	20	17	85.0	Equal
South Shore Hospital, South Weymouth	36	27	75.0	Equal
Southcoast Hospitals Group/Charlton, Fall River	45	26	57.8	Less Often
Southcoast Hospitals Group/St. Luke's, New Bedford	47	24	51.1	Less Often
St. Elizabeth's Medical Center, Brighton	6	†	†	Equal
St. Vincent Hospital, Worcester	31	22	71.0	Equal

Tufts Medical Center, Boston	14	13	92.9	Equal
UMass Memorial Medical Center - University Campus, Worcester	65	58	89.2	Equal

† - Insufficient Data to Report due to patient confidentiality concerns.

<sup>1</sup> Eligible patients consist of [ischemic stroke](#) patients who arrived at the ED within 2 hrs of the time [last known to be well](#) and had no contraindications for IV-tPA in 2009 and 2010

<sup>2</sup> Hospital performance is compared using 99% confidence interval ( $p < 0.01$ )