

Hospital Size Report (2008 – 2009)

The tables below list PSS hospital-specific performance on the percentage of eligible¹ patients who received IV-tPA for PSS hospitals in the years 2008 and 2009 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 significant². 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
# of Hospitals	15	29	24
# of Eligible¹ Patients	98	296	698
% Received IV-tPA	56.1%	65.5%	75.6%

Less than 100 Beds

Hospital	# of Patients Eligible ¹ for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Baystate Franklin Medical Center, Greenfield	8	7	87.5	Equal
Baystate Mary Lane Hospital, Ware	10	4	40.0	Equal
Beth Israel Deaconess Hospital, Needham	8	8	100	Equal
Falmouth Hospital, Falmouth	7	6	85.7	Equal
Marlborough Hospital, Marlborough	8	6	75.0	Equal
Martha's Vineyard Hospital, Oak Bluffs	7	†	†	Equal
Milton Hospital, Milton	15	†	†	Less Often
Southcoast Hospitals Group/Tobey, Wareham	7	†	†	Equal
Wing Memorial Hospital, Palmer	10	†	†	Less Often

100 to 199 Beds

Hospital	# of Patients Eligible ¹ for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Cooley Dickinson Hospital, Northampton	13	13	100	More Often
Emerson Hospital, Concord	24	8	33.3	Less Often
Faulkner Hospital, Boston	6	†	†	Equal

Good Samaritan Medical Center, Brockton	17	12	70.6	Equal
Hallmark Health System - Melrose/Wakefield, Melrose	7	†	†	Equal
Harrington Memorial Hospital, Southbridge	6	†	†	Equal
Health Alliance Hospital, Leominster	19	8	42.1	Equal
Heywood Hospital, Gardner	21	7	33.3	Less Often
Jordan Hospital, Plymouth	12	12	100	Equal
Lawrence General Hospital, Lawrence	22	12	54.6	Equal
Lowell General Hospital, Lowell	23	†	†	Less Often
MetroWest Medical Center, Framingham Campus	25	24	96.0	More Often
Milford Regional Medical Center, Milford	10	10	100	Equal
Morton Hospital, Taunton	25	18	72.0	Equal
North Adams Regional Hospital, North Adams	6	6	100	Equal
North Shore Medical Center-Union Hospital, Lynn	11	11	100	More Often
Quincy Medical Center, Quincy	7	6	85.7	Equal
Saints Memorial Medical Center, Lowell	11	8	72.7	Equal
Winchester Hospital, Winchester	6	6	100	Equal

200 Beds or More

Hospital	# of Patients Eligible ¹ for IV-tPA	Patients who Received IV-tPA		Statistical Comparison to Size Category
		#	%	
Baystate Medical Center, Springfield	42	38	90.5	Equal
Berkshire Medical Center, Pittsfield	19	17	89.5	Equal
Beth Israel Deaconess Medical Center, Boston (West Campus)	24	23	95.8	Equal
Beverly Hospital, Beverly	8	8	100	Equal
Boston Medical Center (Menino Campus), Boston	13	12	92.3	Equal
Brigham & Women's Hospital, Boston	21	21	100	More Often
Cape Cod Hospital, Hyannis	60	11	18.3	Less Often
Holy Family Hospital, Methuen	21	7	33.3	Less Often
Holyoke Medical Center, Holyoke	30	30	100	More Often
Lahey Clinic Hospital, Burlington	41	40	97.6	More Often
Massachusetts General Hospital, Boston	68	66	97.1	More Often
Mercy Hospital, Springfield	18	11	61.1	Equal
Mount Auburn Hospital, Cambridge	8	7	87.5	Equal
Newton-Wellesley Hospital, Newton	26	26	100	More Often
North Shore Medical Center-Salem Hospital, Salem	43	36	83.7	Equal
Norwood Hospital, Norwood	18	13	72.2	Equal
Signature Healthcare Brockton Hospital, Brockton	17	11	64.7	Equal
South Shore Hospital, South Weymouth	20	18	90	Equal
Southcoast Hospitals Group/Charlton, Fall River	36	23	63.9	Equal
Southcoast Hospitals Group/St. Luke's, New Bedford	49	27	55.1	Less Often
St. Elizabeth's Medical Center, Brighton	7	†	†	Equal
St. Vincent Hospital, Worcester	37	20	54.1	Less Often
Tufts Medical Center, Boston	11	9	81.8	Equal
UMass Memorial Medical Center - University Campus, Worcester	61	48	78.7	Equal

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

¹ 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 2008 and 2009

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