

Westchester/Hudson Valley Region

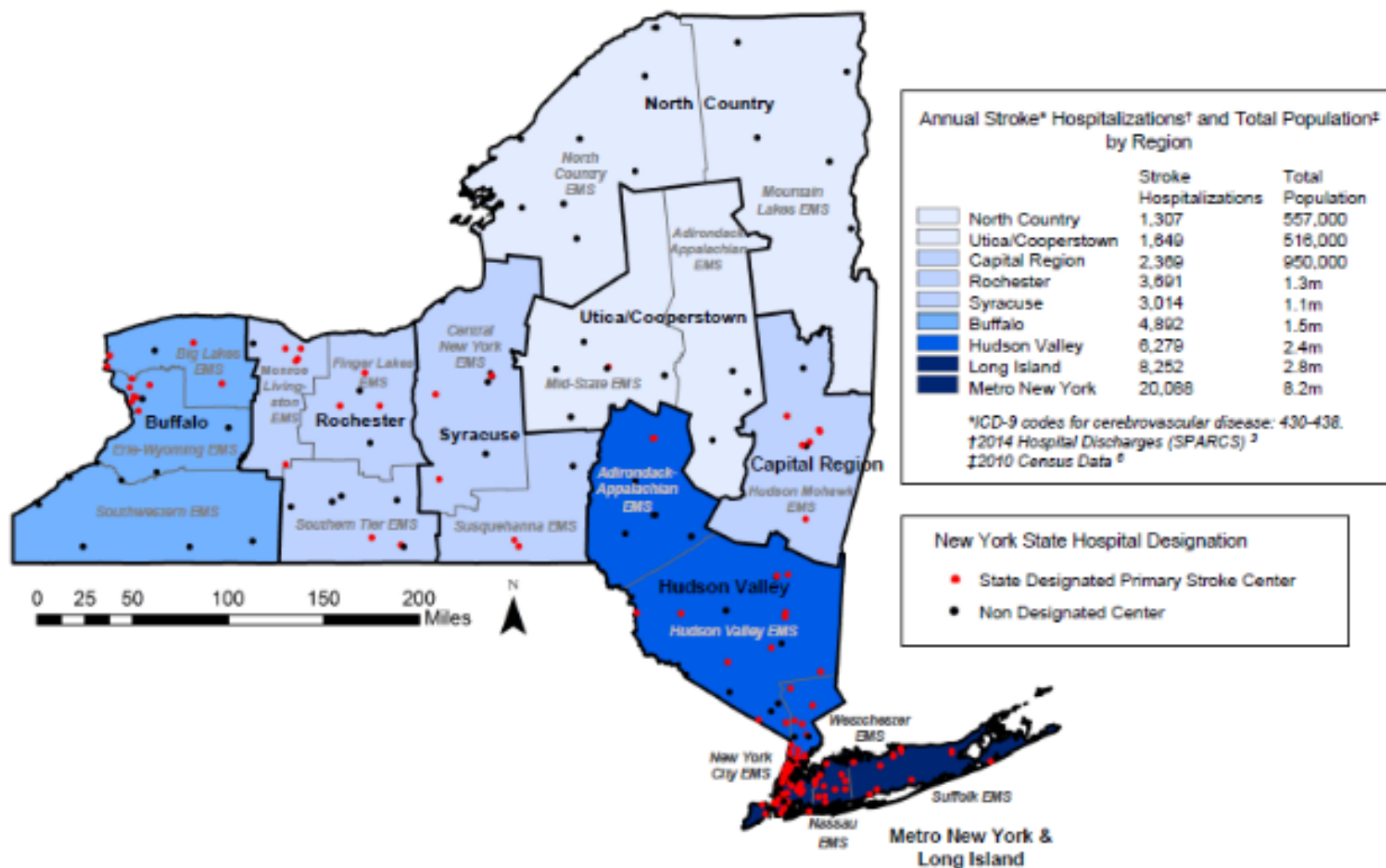
Mission: Lifeline Stroke Breakout Session

December 13, 2017

Baseline Review of Data
New York State
GWTG-Stroke Data
January 2016 – December 2016

Mission: Lifeline Stroke

The right treatment for the right patient at the right time.



Arrival Mode, 2016
by New York Region
% of patients (number of patients)

Arrival Mode	New York Region						
	NYC	Long Island	Hudson Valley/ Westchester	Capital/ Northeastern	Central	Rochester/ Finger Lakes	Western
EMS from home/scene	59.7% (9,518)	51.1% (4,170)	54.5% (2,699)	48.9% (1,456)	61.5% (2,080)	50.2% (1,962)	48.3% (1,849)
Private transport/ taxi/other from home/scene	29.4% (4,681)	37.4% (3,055)	35.2% (1,745)	25.9% (771)	20.8% (703)	34.3% (1,342)	30.6% (1,173)
Transfer from other hospital	9.8% (1,566)	11.0% (897)	10.1% (501)	24.9% (741)	16.8% (567)	14.0% (548)	20.7% (793)
Not documented or unknown	0.9% (148)	0.5% (37)	0.2% (8)	0.3% (9)	0.9% (30)	1.4% (53)	0.3% (13)
Total N	15,937	8,160	4,955	2,977	3,382	3,910	3,828

- Cases with a “blank” for Arrival Mode are not listed here, therefore the sum of the number of patients for each arrival mode may not equal the “Total N” for each region.

Last Known Well to ED Arrival Times, 2016

(For patients who arrive by EMS from home/scene),
by New York Region
% of patients (number of patients)

LKW to Arrival Time Group	New York Region						
	NYC	Long Island	Hudson Valley/ Westchester	Capital/ Northeastern	Central	Rochester/ Finger Lakes	Western
0-30 min	3.7% (351)	3.4% (140)	3.9% (104)	3.2% (46)	2.3% (48)	3.0% (59)	2.2% (40)
31-60 min	10.5% (993)	13.6% (561)	13.8% (371)	10.1% (146)	12.5% (259)	10.2% (200)	10.1% (187)
61-120 min	12.2% (1,150)	11.2% (462)	14.1% (377)	16.2% (235)	17.0% (353)	15.6% (305)	14.3% (263)
121-180 min	5.9% (557)	5.5% (228)	6.2% (166)	8.1% (117)	6.9% (143)	6.4% (125)	6.1% (112)
181-540 min	12.7% (1,198)	35.3% (507)	13.1% (351)	15.2% (220)	16.6% (345)	12.8% (250)	13.6% (250)
>540 min	14.1% (1,329)	11.1% (461)	9.8% (264)	15.3% (221)	15.6% (323)	14.0% (274)	15.1% (278)
LKW or Arrival Time unknown, or Arrival ≥2 days after LKW	42.9% (4,054)	43.6% (1,806)	39.6% (1,061)	32.9% (477)	30.9% (641)	38.9% (761)	39.2% (722)
Total N	9,456	4,137	2,681	1,448	2,073	1,956	1,843

• Cases with documented arrival and LKW time, and LKW to arrival ≥ 2 days, will be included in both the “>540 min” and “LKW or Arrival Time unknown, or Arrival ≥ 2 days after LKW” categories.

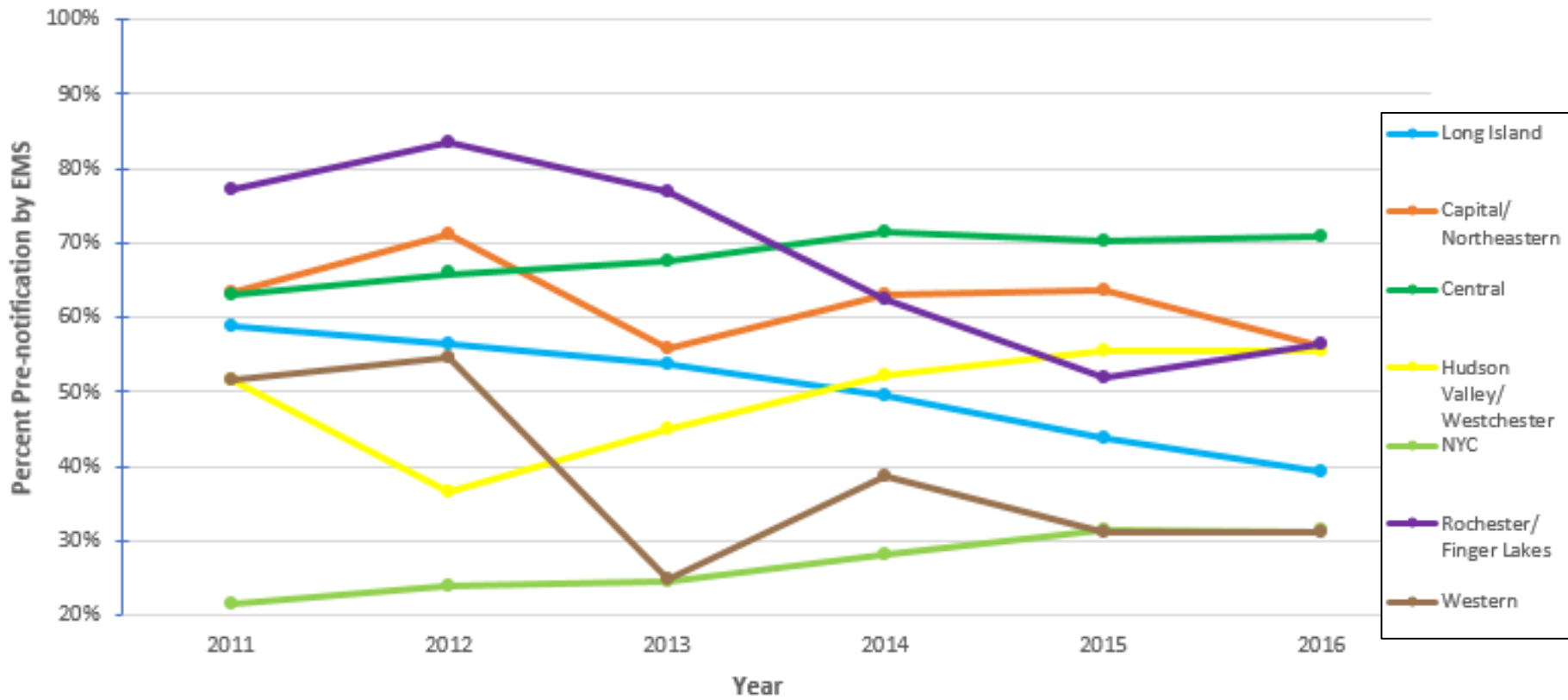
Additional Stroke Care Measures, 2016
by New York Region
% of patients (number of patients)

Measure	New York Region						
	NYC	Long Island	Hudson Valley/ Westchester	Capital/ Northeastern	Central	Rochester/ Finger Lakes	Western
Ischemic Stroke patients who received IV tPA (excluding patients with stroke after arrival)	10.7% (1,203)	9.6% (486)	11.6% (346)	11.0% (224)	12.2% (281)	10.5% (267)	9.4% (246)
Ischemic Stroke patients who received IA catheter-based reperfusion (excluding patients with stroke after arrival)	3.4% (382)	2.2% (113)	2.9% (88)	1.6% (32)	6.0% (138)	3.1% (79)	5.7% (149)

- IA catheter-based treatment includes both pharmacologic thrombolytic therapy and mechanical devices.

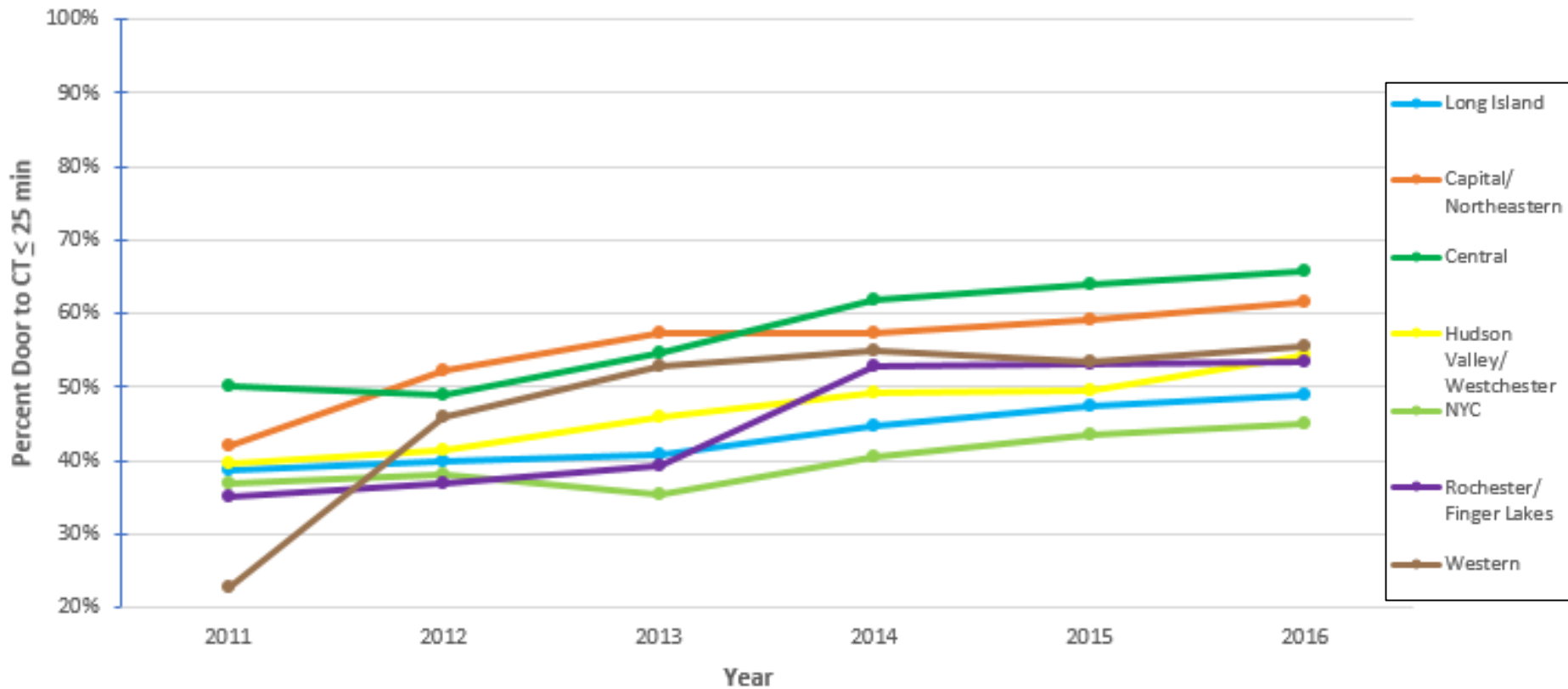
- Patients who receive IV tPA or IA catheter-based reperfusion at a non-GWTG hospital, who are subsequently transferred to a GWTG hospital, would not be captured in the measures for % of patients who received IV tPA, or IA catheter-based reperfusion.

Pre-notification by EMS, 2011-2016 (For patients who arrive by EMS from home/scene), by New York Region



Note: This data is a reflection of hospital documentation of pre-hospital care, and may not be a true reflection of care provided by EMS.

Door to CT \leq 25 min, 2011-2016
(For patients who arrive by EMS from home/scene)
 by New York Region



Stroke Care Measures, 2016
by New York Region
% of patients (number of patients)

	NYC	Long Island	Hudson Valley/ Westchester	Capital/ Northeastern	Central	Rochester/ Finger Lakes	Western
Pre-notification by EMS	31.3% (2,981)	39.3% (1,640)	55.4% (1,496)	56.2% (819)	70.9% (1,474)	56.5% (1,109)	31.2% (577)
Door to CT ≤ 25 min	44.9% (3,349)	49.0% (1,497)	54.4% (1,109)	61.4% (682)	65.7% (1,084)	53.4% (800)	55.6% (824)
Time to IV tPA - 45min (in eligible patients)	50.0% (430)	40.5% (125)	27.2% (70)	29.4% (50)	48.2% (118)	44.6% (95)	61.1% (118)
Time to IV tPA - 60min (in eligible patients)	85.8% (738)	84.8% (262)	67.3% (173)	64.7% (110)	77.1% (189)	82.6% (176)	90.7% (175)

Prenotification Vs Stroke Team Activation PTA

Measure	New York Region						
	NYC	Long Island	Hudson Valley/ Westchester	Capital/ Northeastern	Central	Rochester/ Finger Lakes	Western
Pre-notification by EMS	31.3% (2,981)	39.3% (1,640)	55.4% (1,496)	56.2% (819)	70.9% (1,474)	56.5% (1,109)	31.2% (577)
Stroke team activated prior to arrival**	35.8% (675)	49.5% (437)	36.3% (327)	47.0% (214)	45.9% (373)	71.6% (649)	8.1% (27)

**Percent of patients arriving via EMS for whom the stroke team was activated prior to patient arrival based upon EMS pre-notification.

NYS Department of Health EMS Measures, 2016
by New York Region
% of patients (number of patients)

Pre-Notification Content*	New York Region						
	NYC	Long Island	Central	Capital/ Northeastern	Hudson Valley/ Westchester	Rochester/ Finger Lakes	Western
Pre-hospital stroke scale findings	43.5% (820)	71.5% (631)	62.9% (511)	33.2% (151)	62.1% (559)	87.4% (567)	69.4% (231)
Patient last known well (LKW)	41% (772)	62.9% (555)	55.6% (452)	33.2% (151)	58.1% (523)	81% (1526)	65.8% (219)
Pre-hospital stroke scale findings AND LKW	37.6% (709)	60.7% (535)	52.3% (425)	30.3% (138)	53.9% (485)	80.1% (520)	61.3% (204)
Total N	1884	882	813	455	900	649	333

*Where prenotification by EMS occurred, information communicated to receiving hospital.

Westchester/Hudson Valley Region

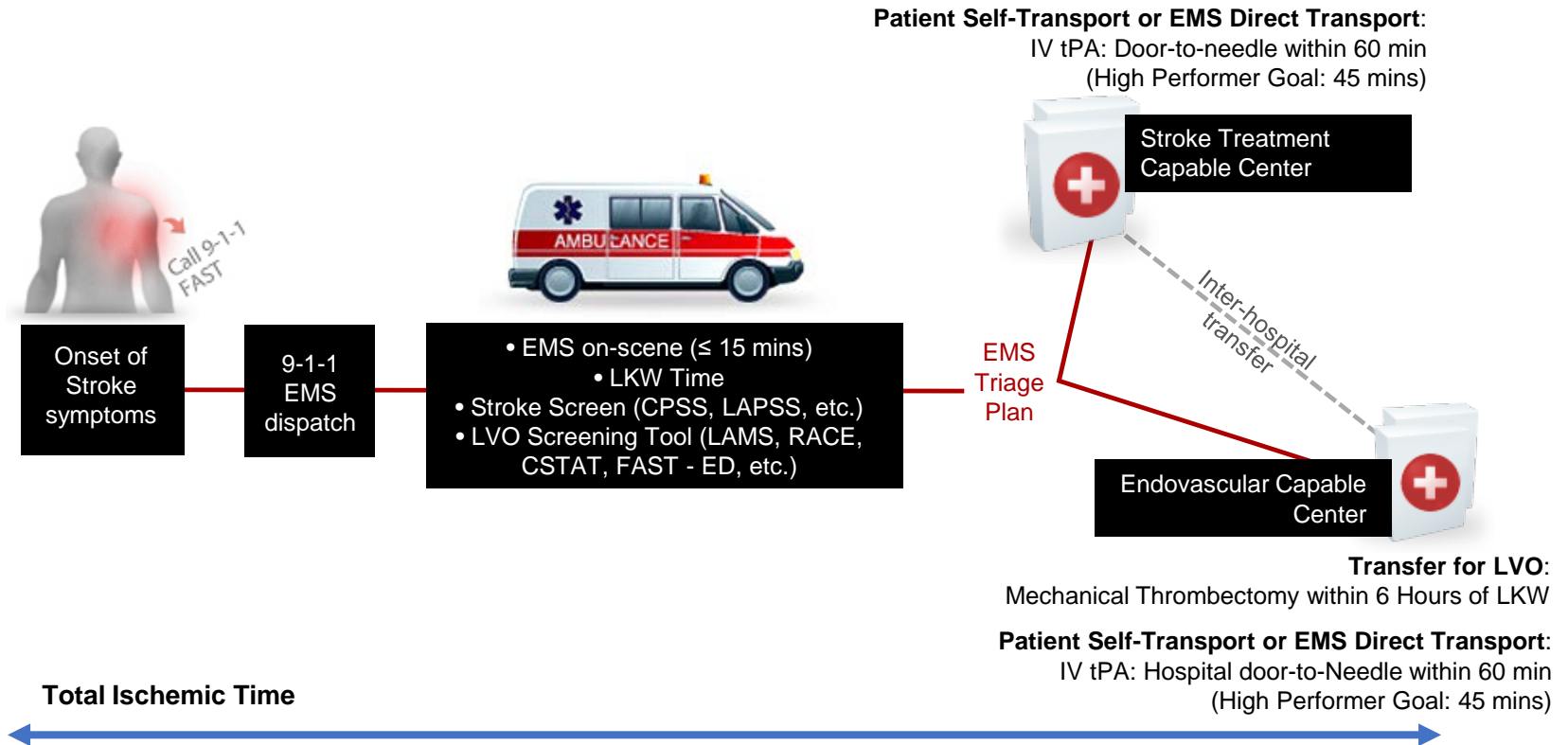
Mission: Lifeline Stroke

Specific Opportunities

Goals for 2018 Regional Stroke Systems of Care

Mission: Lifeline Stroke

The right treatment for the right patient at the right time.



Mission: Lifeline Stroke

The right treatment for the right patient at the right time.

Severity-Based Stroke Triage Algorithm for EMS

