

Stroke Designation Update

Public Health and Health Planning Council

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Anna Colello, Esq.

Director of Regulatory Compliance, OQPS

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- NYS has the lowest Stroke Mortality Rate in the US
 - Stroke is the fourth leading cause of death in the US
 - #1 cause of disability
 - 119 Hospitals are Designated Stroke Centers including Rural counties

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- ▶ Stroke Designation is a quality initiative which represents a coordinated system of care to expedite treatment
 - ▶ Designation Requirements for Stroke Center
 - ▶ Stroke team
 - ▶ Education
 - ▶ 24/7 capabilities
 - ▶ Quality assurance/data/registry

Results from Evaluation of Stroke Center Mortality Study

Table 4. Sensitivity Analysis: 30-Day Mortality at Designated Stroke Centers and Nondesignated Hospitals

	No./Total No. (%)		Adjusted Mortality Difference (95% CI) ^a	P Value
	Designated Stroke Center	Nondesignated Hospital		
Location ^b				
Metropolitan New York	1034/11 120 (9.3)	715/6881 (10.4)	-2.0 (-3.4 to -0.5)	.01
Upstate New York	509/4177 (12.2)	1236/8769 (14.1)	-2.0 (-3.8 to -0.3)	.02
Race/ethnicity ^c				
Non-Hispanic white	1091/8865 (12.3)	1635/11 649 (14.0)	-2.5 (-3.9 to -1.1)	<.001
Non-Hispanic black	204/3337 (6.1)	148/2303 (6.4)	-2.4 (-4.8 to -0.0)	.05
Hispanic	117/1507 (7.8)	73/784 (9.3)	-5.2 (-9.4 to -0.9)	.02
Other	131/1588 (8.3)	95/914 (10.4)	-3.2 (-7.3 to 0.9)	.12

Abbreviation: CI, confidence interval.

^aNegative values indicate lower mortality at designated stroke center vs nondesignated hospital.

^bStratified by location.

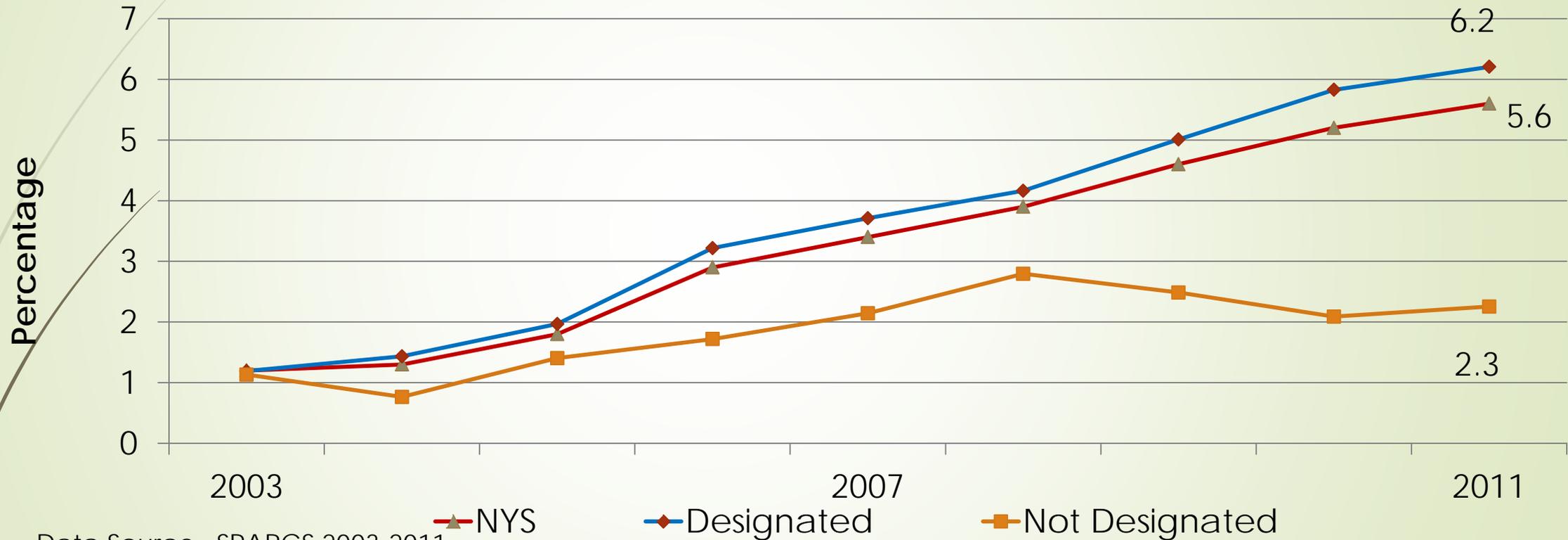
^cStratified by race/ethnicity group.

Acute Treatment and Care: Percentage of Stroke Discharges Resulting in In-Hospital Mortality, SPARCS NY 2003-2011



Data Source: Statewide Planning and Research Cooperative System (SPARCS) 2003-2011; Acute Stroke defined as ICD-9-CM of 430-436
In-Hospital mortality defined as disposition 20

Percentage of Hospital Discharges for Ischemic Stroke (ICD-9-CM 433 434) in which tPA was administered, SPARCS NY 2003-2011



Data Source: SPARCS 2003-2011

Ischemic Stroke as defined by principal diagnosis of ICD-9-CM 433-434

tPA defined as any procedure code of ICD-9-CM 99.10 or AP DRG of 880 or Federal DRG of 061 or 062 or 063 in 2008 to 2011 or Federal DRG of 559 in 2006 or 2007