

SUPPLEMENTAL MATERIAL

**Predictors of Thrombolysis Administration in Mild Stroke: Florida Puerto Rico**

**Collaboration to Reduce Stroke Disparities**

**Supplemental Table I:** Stepwise logistic regression to determine the effect of each factor included in the final model of multivariate analysis among mild stroke patients with thrombolysis treatment as outcome.

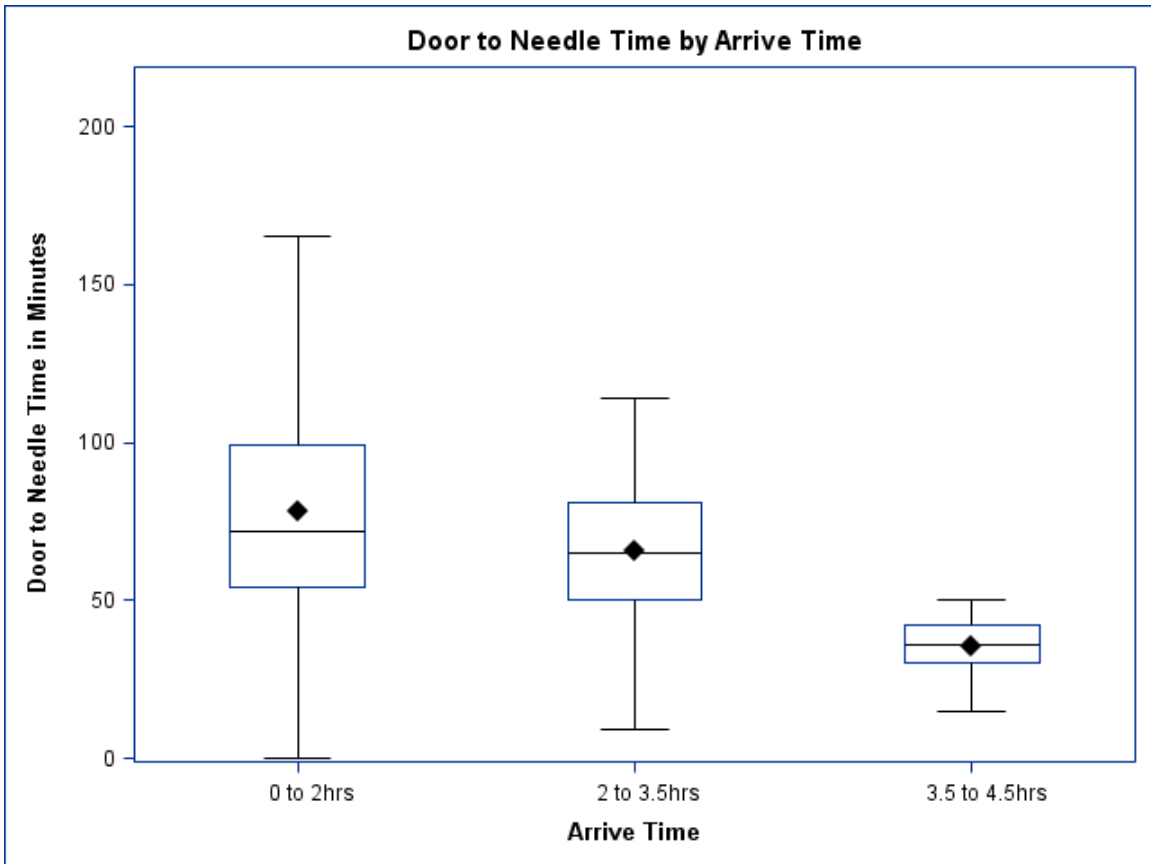
<b>Demographics</b>	<b>Univariate analysis</b>	<b>OR (CI)</b>	<b>P Value</b>
Age	Increase by 1 year	0.98 (0.97,0.98)	<.0001
Race	NH-Black vs NH-White	0.80 (0.69,0.93)	0.00
Race	FL-Hispanic vs NH-White	0.95 (0.75,1.19)	0.63
Race	PR-Hispanic vs NH-White	0.90 (0.53,1.53)	0.71
Medical history Stroke/TIA	Yes vs No	0.61 (0.52,0.72)	<.0001
Medical history Hypertension	Yes vs No	0.74 (0.64,0.87)	0.00
Peripheral Vascular Disease	Yes vs No	0.67 (0.46,0.97)	0.04
Onset to arrival	0 to 2 hrs vs 3.5 hrs and above	8.16 (4.76,13.98)	<.0001
Onset to arrival	2 to 3.5 hrs vs 3.5 hrs and above	3.83 (2.29,6.39)	<.0001
Arrive time of day	Off hours vs On hours	0.87 (0.77,0.99)	0.04
NIHSS	Increase by 1	1.87 (1.77,1.98)	<.0001
Aphasia	Yes vs No	1.35 (1.12,1.62)	0.00
Door to CT within 25 mins	Missing vs No	1.03 (0.65,1.63)	0.92
Door to CT within 25 mins	Yes vs No	1.81 (1.53,2.15)	<.0001
Teaching hospital	Yes vs No	2.02 (1.39,2.95)	0.00
Region	East Central vs South	1.02 (0.62,1.67)	0.94
Region	North and Panhandle vs South	1.24 (0.68,2.28)	0.49
Region	West Central vs South	0.38 (0.24,0.61)	<.0001

**Supplemental Table II:** Clinical and hospital characteristics of thrombolysed mild ischemic stroke patients by arrival to treatment time

<b>Clinical Characteristics</b>	<b>All thrombolysed (n=1,190)</b>	<b>Door to Needle ≤ 60 min (n=461)</b>	<b>Door to needle &gt; 60 min (n=729)</b>	<b>p value</b>
Age (yrs), median (IQR)	68 (20)	68 (21)	69 (19)	0.34
Sex (male), %	669 (56.2)	266 (57.7)	403 (55.28)	0.41
Vascular Risk Factor, %				
Current smoker	221 (18.6)	88(19.1)	133 (18.2)	0.71
Hypertension	698 (58.7)	252 (54.7)	446 (61.2)	0.02
Diabetes mellitus	277 (23.3)	96 (20.8)	181 (24.8)	0.11
Dyslipidemia	405 (34.0)	134 (29.1)	271 (37.2)	0.004
Medical History, %				
AF	182 (15.3)	64 (13.8)	118 (16.2)	0.28
CAD/prior MI	246 (20.7)	88 (19.1)	158 (21.7)	0.28
Previous stroke/TIA	212 (17.8)	58 (12.6)	154 (21.1)	<.0001
Ethnicity, %				
NH- white	789 (66.3)	281 (61.0)	508 (69.7)	<.0001
NH- black	165 (13.9)	61 (13.2)	104 (14.3)	
FL-Hispanic	164 (13.8)	87 (18.9)	77 (10.6)	
PR-Hispanic	72 (6.1)	32 (6.9)	40 (5.5)	
Medical Insurance, %				
Private*	448 (37.7)	144 (31.2)	304 (41.7)	<.0001
Medicare	287 (24.1)	99 (21.5)	188 (25.8)	
Medicaid/no insurance**	137 (11.5)	55 (11.9)	82 (11.3)	
Unknown	318 (26.7)	163 (35.4)	155 (21.3)	
Arrival Time from Onset (min), median ( IQR)	61 (58)	67 (68)	60 (53)	<.0001
Arrival Time (%)				0.01
On –hours	48.5	52.9	45.7	
Off- hours	51.5	47.1	54.3	
Arrival time				

0-2 hours	1015 (85.3)	376 (81.6)	639 (87.7)	<.0001
2-3.5 hours	166 (14.0)	76 (16.5)	90 (12.4)	
3.5-4.5 hours	9 (0.8)	9 (2.0)	0 (0.0)	
NIHSS , median (IQR)	4(2)	4 (2)	4(3)	0.04
Clinical Signs/symptoms, %				
Weakness	672 (56.4)	243 (52.7)	429 (58.9)	0.03
Aphasia	491 (41.3)	183 (39.7)	308 (42.3)	0.38
Altered level of Consciousness	56 (4.7)	26 (5.6)	30 (4.1)	0.22
Other Neurological Signs/symptoms	177 (14.9)	60 (13.0)	117 (16.1)	0.15
No Neurological Signs/symptoms	2 (0.2)	0 (0.0)	2 (0.3)	0.26
Mode of Arrival EMS				<.0001
Yes	788 (66.2)	339 (73.5)	449 (61.6)	
No	290 (24.4)	79 (17.1)	211 (28.9)	
Missing	112 (9.4)	43 (9.3)	69 (9.5)	
Door to CT time (% <25 min)	755 (66.1)	363 (83.6)	392 (55.4)	<.0001
<b>Hospital Characteristics</b>				
Hospital Size				0.66
Small (<250beds)	189 (15.9)	75 (16.3)	114 (15.6)	
Mid (250-450 beds)	357 (30.0)	144 (31.2)	213 (29.2)	
Large (>450)	644 (54.1)	242 (52.5)	402 (55.1)	
Academic hospital, %	348 (29.2)	156 (33.8)	192 (26.3)	0.006
Years in GWTG, median (IQR)	7 (3)	7 (3)	8 (3)	0.06
State				0.31
FL	1118 (94.0)	429 (93.1)	689 (94.5)	
PR	72 (6.1)	32 (6.9)	40 (5.5)	

AF=atrial fibrillation, CAD= Coronary Artery Disease, MI=Myocardial Infarction. NH-White= Non-Hispanic White, NH-black= Non-Hispanic black. EMS= Emergency Medical Services. \*Includes Private insurance, VA and other.\*\* Includes Medicaid, self-pay and No insurance.



Supplemental Figure I: The distribution of Door to Needle time (DTN) based on symptoms onset to hospital arrival time.