

Supplementary Table 1: Included and Excluded ICD codes.

	ICD-9	ICD-10
Mechanical Thrombectomy	39.74	03C[G-Q]3Z[6,7, or Z], 03C[G-Q]4Z[6,7, or Z],
Intravenous Thrombolysis	99.10	3E03317, 3E04317, 3E05317, 3E06317
Acute Ischemic Stroke	433.x1, 434.x1, 436, 437.1, 437.0	I63, I67.82, I67.89, I697.9
Administrative Database Stroke Scale		
Coma	780.01, 780.03	R40.20, R40.0, R40.3
Stupor	780.02, 780.09	R40.1, R40.4
Dysphagia and Dysarthria	787.2, 438.13, 438.82, 784.51	R13.1, I69.x91, I69.x22
Neglect	781.8	R41.4
Cerebral Edema	348.5	G93.6
Brain Herniation	348.4	G93.5
Nasogastric Tube (Procedure)	96.07, 96.08	0D9670Z, 0D9680Z, 0D9870Z, 0D9880Z, 0D9E70Z, 0D9E80Z

Parenteral Nutrition (Procedure)	99.15	3E0[3-6]36Z
Paralysis	438.2, 438.3, 438.4, 438.5	I69.x[3-6]
Aphasia	438.1, 784.3	R13.0
Cranial Nerve Deficit	378.5, 379.4, 438.83	H49[0-4], H499, H570
Mechanical Ventilation (Procedure)	96.04, 96.7	0BH17EZ, 0BH18EZ, 5A1935Z, 5A1945Z, 5A1955Z
Other Diagnoses		
Subarachnoid Hemorrhage	430	I60.x
Arteriovenous Malformations (AVM)	747.81	Q28.2
Traumatic Subarachnoid Hemorrhage	852.xx	S06.6xx
Subarachnoid Hemorrhage from AVMs		I60.8
Surgery for AVMs (Procedure)	39.53, 92.30	

Pathologic intracranial aneurysms (mycotic, syphilitic, etc.)	094.87, 437.4	
Head Trauma	800, 801, 803, 804, 851, 852, 853, 854, 873	

Supplementary Table 2: Patient Demographics of those who underwent MT-alone and MT+IV-tPA

	MT-alone (n=59,935)	MT+IV-tPA (n=29,710)	p-value
Age, mean (SE)	68.3 (0.15)	68.4 (0.19)	0.7
LOS, mean (SE)	8.86 (0.11)	8.55 (0.13)	0.06
Female	29,915 (49.88%)	15,070 (50.72%)	0.283
Race			<0.001
White	40,465 (71.56%)	19,100 (67.43%)	
Black	7,770 (13.74%)	4,315 (15.23%)	
Hispanic	4,355 (7.70%)	2,760 (9.74%)	
Other	3,955 (6.99%)	2,150 (7.59%)	
Primary Insurance Type			0.079
Medicare	36,765 (61.38%)	17,645 (59.42%)	
Medicaid	5,800 (9.68%)	2,900 (9.77%)	
Private	13,620 (22.74%)	7,075 (23.83%)	
Self-pay	2,329 (3.89%)	1,344 (4.53%)	
No Charge	160 (0.27%)	115 (0.39%)	
Other	1,225 (2.05%)	615 (2.07%)	
ADSS, mean (SE)	4.46 (0.09)	4.63 (0.12)	0.238
ADSS Variables			
Coma	1,925 (3.21%)	885 (2.98%)	0.410
Stupor	250 (0.42%)	125 (0.42%)	0.971
Paralysis	2,190 (3.65%)	950 (3.20%)	0.136
Cranial Nerve Deficits	685 (1.14%)	315 (1.06%)	0.627
Aphasia	8,070 (13.46%)	5,350 (18.00%)	<0.001
Dysphagia or Dysarthria	19,800 (33.02%)	9,910 (33.35%)	0.678

Neglect	5,510 (9.19%)	2,800 (9.42%)	0.640
Cerebral Edema	13,005 (21.69%)	6,065 (20.41%)	0.065
Brain Herniation	4,980 (8.30%)	2,095 (7.05%)	0.004
Nasogastric Tube	290 (0.48%)	190 (0.64%)	0.204
Parenteral Nutrition	190 (0.32%)	45 (0.15%)	0.038
Mechanical Ventilation	15,255 (25.44%)	8,285 (27.88%)	0.001
ASOV: Poor Outcome	47,345 (78.95%)	22,410 (75.42%)	<0.001
In-Hospital Mortality	8,625 (14.4%)	3,910 (13.2%)	0.029
Postoperative Hemorrhage	1,534 (2.56%)	985 (3.31%)	0.005
Region of hospital			<0.001
Northeast	11,055 (18.43%)	4,705 (15.83%)	
Midwest	13,195 (22.00%)	5,960 (20.06%)	
South	23,490 (39.17%)	12,120 (40.79%)	
West	12,230 (20.39%)	6,935 (23.34%)	
Bed size of hospital			0.001
Small	2,975 (4.96%)	1,220 (4.10%)	
Medium	11,085 (18.48%)	6,325 (21.28%)	
Large	45,910 (76.55%)	22,175 (74.61%)	
Median household income national quartile for patient ZIP Code			0.008
0-25 Percentile	16,290 (27.69%)	8,375 (28.69%)	
26-50 Percentile	15,175 (25.79%)	6,930 (23.74%)	
51-75 Percentile	14,715 (25.01%)	7,120 (24.39%)	
>75 Percentile	12,655 (21.51%)	6,765 (23.18%)	
Location/teaching status of hospital			<0.001
Rural	95 (0.16%)	75 (0.25%)	

Urban Nonteaching	5,145 (8.58%)	3,715 (12.50%)	
Urban Teaching	54,730 (91.26%)	25,930 (87.25%)	
Non-Routine Discharge	40,495 (79.2%)	19,445 (75.5%)	<0.001
Elixhauser Comorbidities			
Congestive Heart Failure	15,565 (25.95%)	7,425 (24.99%)	0.160
Cardiac Arrhythmias	32,230 (53.74%)	16,160 (54.38%)	0.428
Valvular Disease	7,720 (12.87%)	3,785 (12.74%)	0.800
Pulmonary Circulation Disorders	4,305 (7.18%)	2,010 (6.76%)	0.303
Peripheral Vascular Disorders	6,720 (11.21%)	3,250 (10.94%)	0.589
Hypertension, Uncomplicated	34,180 (57.00%)	17,480 (58.83%)	0.023
Paralysis	47,010 (78.39%)	24,135 (81.22%)	<0.001
Other Neurological Disorders	33,945 (56.60%)	17,365 (58.44%)	0.022
Chronic Pulmonary Disease	9,840 (16.41%)	4,435 (14.93%)	0.009
Diabetes, Uncomplicated	9,890 (16.49%)	4,715 (15.87%)	0.275
Diabetes, Complicated	7,590 (12.66%)	3,045 (10.25%)	<0.001
Hypothyroidism	7,925 (13.21%)	3,855 (12.97%)	0.646
Renal Failure	7,910 (13.19%)	3,680 (12.38%)	0.126
Liver Disease	1,205 (2.01%)	445 (1.50%)	0.014
Peptic Ulcer Disease Excluding Bleeding	520 (0.87%)	270 (0.91%)	0.781
AIDS/HIV	115 (0.19%)	80 (0.27%)	0.293
Lymphoma	275 (0.46%)	140 (0.47%)	0.907
Metastatic Cancer	1,570 (2.62%)	415 (1.40%)	<0.001
Solid Tumor Without Metastasis	2,665 (4.44%)	820 (2.76%)	<0.001
Rheumatoid Arthritis/Collagen Vascular	1,465 (2.44%)	565 (1.90%)	0.018
Coagulopathy	5,965 (9.95%)	2,475 (8.33%)	<0.001

Obesity	7,810 (13.02%)	4,175 (14.05%)	0.059
Weight Loss	3,960 (6.60%)	1,730 (5.82%)	0.050
Fluid and Electrolyte Disorders	18,495 (30.84%)	9,320 (31.36%)	0.490
Blood Loss Anemia	465 (0.78%)	200 (0.67%)	0.469
Deficiency Anemia	1,780 (2.97%)	1,055 (3.55%)	0.044
Alcohol Abuse	3,120 (5.20%)	1,545 (5.20%)	0.991
Drug Abuse	2,325 (3.88%)	1,075 (3.62%)	0.380
Psychoses	640 (1.07%)	225 (0.76%)	0.046
Depression	5,585 (9.31%)	2,720 (9.15%)	0.726
Hypertension, Complicated	13,460 (22.44%)	6,030 (20.29%)	0.001

Supplementary Figure 1: Mean ADSS Score per Year for MT-alone and MT+IV-tPA

