

Table 2: Demographic and comorbidity information stratified by race

Demographic and Comorbidities by Race						
N=1,322,162 (6,455,780)	White N=928,158	Black N=216,173	Hispanic N=99,823	Asian N=35,277	Native American N=7,880	Other Race N=34,851
Age mean (IQR)	72.45 (72.34 - 72.56)	64.29 (64.14 – 64.43)	66.02 (65.70 - 66.33)	69.49 (69.16 – 69.82)	66.36 (65.52 – 67.20)	67.49 (66.98 – 68.00)
Female n (%)	486169 (52.38)	116107 (53.71)	48175 (48.26)	17610 (49.92)	4148 (52.64)	15248 (48.74)
<i>Primary Payer</i>						
Medicare	662612 (71.39)	116733 (54.00)	52617 (52.71)	19445 (55.12)	4647 (58.97)	17031 (54.50)
Medicaid	43809 (4.72)	32815 (15.18)	17120 (17.15)	5320 (15.08)	1024 (13.00)	4246 (13.65)
Private	171245 (18.45)	43083 (19.93)	17878 (17.91)	7821 (22.17)	1361 (17.27)	6641 (21.27)
Self-Pay	29237 (3.15)	15716 (7.27)	8225 (8.24)	1739 (4.93)	376 (4.77)	2181 (7.03)
No Charge	2599 (0.28)	1643 (0.76)	1048 (1.05)	138 (0.39)	40 (0.51)	216 (0.70)
Other Payment	18563 (2.00)	6183 (2.86)	2086 (2.09)	815 (2.31)	432 (5.48)	889 (2.85)
<i>Median Income</i>						
Quartile 1	232318 (25.03)	113923 (52.70)	39939 (40.01)	5369 (15.22)	3894 (49.41)	8334 (27.62)
Quartile 2	253851 (27.35)	46023 (21.29)	23578 (23.62)	6537 (18.53)	1953 (24.78)	6838 (22.68)
Quartile 3	232411 (25.04)	33766 (15.62)	22440 (22.48)	9260 (26.25)	1184 (15.02)	7446 (24.82)
Quartile 4	209578 (22.58)	22460 (10.39)	13865 (13.89)	14114 (40.01)	850 (10.79)	7482 (24.88)
<i>Hospital Size</i>						
Small	124930 (13.46)	23152 (10.71)	10402 (10.42)	4939 (14.00)	1046 (13.27)	3570 (11.00)
Medium	244013 (26.29)	56659 (26.21)	26523 (26.57)	9084 (25.75)	7478 (94.90)	7834 (25.44)
Large	559215 (60.25)	136384 (63.09)	62898 (63.01)	21251 (60.24)	4511 (57.24)	19670 (63.56)
<i>Comorbidities</i>						
Congestive Heart Failure	166326 (17.92)	44380 (20.53)	16141 (16.17)	5168 (14.65)	1370 (17.38)	5215 (16.68)
Diabetes	275941 (29.73)	91874 (42.50)	46158 (46.24)	14097 (39.96)	3351 (42.53)	11593 (37.11)
Hypertension	692127 (74.57)	179229 (82.91)	77592 (77.73)	28077 (79.59)	5852 (74.26)	23468 (75.17)
Hyperlipidemia	83441 (8.99)	17445 (8.07)	9144 (9.16)	3648 (10.34)	592 (7.51)	2774 (8.88)
Smoking	150918 (16.26)	43818 (20.27)	12388 (12.41)	3552 (10.07)	1537 (19.51)	4434 (14.28)
Cardiac Arrhythmias	328661 (35.41)	49352 (22.83)	25744 (25.79)	10809 (30.64)	1923 (24.40)	9104 (29.15)
Intracardiac Thrombus	2970 (0.32)	951 (0.44)	329 (0.33)	106 (0.30)	22 (0.28)	112 (0.36)
Elixhauser Sum						
Mean (95% CI)	3.62 (3.61 - 3.63)	3.74 (3.71 - 3.76)	3.56 (3.53 - 3.59)	3.48 (3.44 - 3.52)	3.56 (3.46 - 3.65)	3.50 (3.47 – 3.53)

Outcome Metrics

Good Outcome	330331 (35.59)	79725 (36.88)	42035 (42.11)	13458 (38.15)	3346 (42.46)	12188 (38.99)
Home	297103 (32.01)	72288 (33.44)	38421 (38.49)	12114 (34.34)	2995 (38.01)	10855 (34.73)
Rehab	33320 (3.59)	7457 (3.45)	3643 (3.65)	1351 (3.83)	354 (4.50)	1333 (4.27)
Poor Outcome	590773 (63.65)	134157 (62.06)	56640 (56.74)	21480 (60.89)	4463 (56.64)	18757 (60.05)
Mortality	71190 (7.67)	13295 (6.15)	7217 (7.23)	2903 (8.23)	570 (7.23)	2618 (8.35)
Tracheostomy	11045 (1.19)	5015 (2.32)	2256 (2.26)	776 (2.20)	141 (1.79)	784 (2.51)
Gastrostomy	40561 (4.37)	15283 (7.07)	6548 (6.56)	2501 (7.09)	426 (5.40)	2163 (6.92)
<i>Stroke Treatment</i>						
IV rt-PA	46129 (4.97)	9598 (4.44)	4971 (4.98)	1863 (5.28)	257 (3.26)	1725 (5.58)
EVT	8353 (0.90)	1535 (0.71)	968 (0.97)	409 (1.16)	35 (0.45)	378 (1.23)
IV rt PA	3311 (39.64)	633 (41.28)	419 (43.38)	196 (48.02)	9 (26.17)	149 (37.05)

*All results presented are statistically significant, $p < 0.001$

Abbreviations Used:

IQR – Interquartile range. tPA – tissue plasminogen activator, EVT – Endovascular Thrombectomy. CI – Confidence Interval. Rehab – Rehabilitation facility.

Table 3: Demographic and comorbidity information stratified by income

Demographic and Comorbidities by Income				
N=1,322,162 (6,455,780)	Quartile 1 N = 400,747	Quartile 2 N = 347,596	Quartile 3 N = 310,840	Quartile 4 N = 263,110
	68.65 (68.51 - 68.79)	70.52 (70.38 - 70.65)	71.08 (70.94 - 71.22)	
Age				72.34 (72.16 - 72.52)
Female	211474 (52.77)	182592 (52.53)	162103 (52.15)	135870 (51.64)
<i>Primary Payer</i>				
Medicare	257720 (64.31)	232889 (67.00)	207983 (66.91)	177889 (67.61)
Medicaid	44964 (11.22)	26174 (7.53)	19334 (6.22)	11708 (4.45)
Private	63118 (15.75)	63645 (18.31)	64561 (20.77)	61384 (23.33)
Self-Pay	22642 (5.65)	15329 (4.41)	11128 (3.58)	6815 (2.59)
No Charge	2164 (0.54)	1356 (0.39)	1150 (0.37)	605 (0.23)
Other Payment	10099 (2.52)	8238 (2.37)	6683 (2.15)	177889 (67.61)
<i>Race</i>				
White	230590 (57.54)	260141 (74.84)	235088 (75.63)	204779 (77.83)
Black	112690 (28.12)	46995 (13.52)	34037 (10.95)	21864 (8.31)
Hispanic	39393 (9.83)	24019 (6.91)	22567 (7.26)	13471 (5.12)
Asian	5370 (1.34)	6743 (1.94)	9450 (3.04)	13892 (5.28)
Native American	3206 (0.80)	1668 (0.48)	995 (0.32)	684 (0.26)
Other	9498 (2.37)	8064 (2.32)	8704 (2.80)	8420 (3.20)
<i>Hospital Size</i>				
Small	41718 (10.41)	46196 (13.29)	43238 (13.91)	36493 (13.87)
Medium	97943 (24.44)	87108 (25.06)	80756 (25.98)	74355 (28.26)
Large	261087 (65.15)	214258 (61.64)	186846 (60.11)	152262 (57.87)
<i>Comorbidities</i>				
Congestive Heart Failure	75781 (18.91)	62220 (17.90)	71804 (23.10)	45386 (17.25)
Diabetes Mellitus	147996 (36.93)	115680 (33.28)	99624 (32.05)	75118 (28.55)
Hypertension	309577 (77.25)	261775 (75.31)	234249 (75.36)	195359 (74.25)
Hyperlipidemia	30617 (7.64)	28677 (8.25)	28566 (9.19)	27916 (10.61)
Smoking	76823 (19.17)	58848 (16.93)	47123 (15.16)	30652 (11.65)
Cardiac Arrhythmias	114734 (28.63)	110049 (31.66)	103789 (33.39)	95667 (36.36)

Intracardiac Thrombus	1363 (0.34)	1147 (0.33)	1057 (0.34)	895 (0.34)
Elixhauser Sum				
Mean (95% CI)	3.65 (3.63 - 3.66)	3.57 (3.55 - 3.58)	3.59 (3.57 - 3.61)	3.54 (3.52 - 3.56)
<i>Outcome Metrics</i>				
Good Outcome	145471 (36.30)	127012 (36.54)	113426 (36.49)	96772 (36.78)
<i>Home</i>	131044 (32.70)	114289 (32.88)	103074 (33.16)	87194 (33.14)
<i>Rehab</i>	14507 (3.62)	12791 (3.68)	10444 (3.36)	9699 (3.67)
Poor Outcome	251349 (62.72)	217943 (62.70)	195114 (62.77)	164470 (62.51)
Mortality	30056 (7.50)	25757 (7.41)	22847 (7.35)	19865 (7.55)
Tracheostomy	6933 (1.73)	4901 (1.41)	4414 (1.42)	3657 (1.39)
Gastrostomy	23203 (5.79)	16754 (4.82)	14889 (4.79)	12103 (4.60)
<i>Thrombolysis</i>				
IV rt-PA	16431 (4.10)	15364 (4.42)	15977 (5.14)	15313 (5.82)
EVT	3086 (0.77)	2781 (0.80)	2953 (0.95)	2789 (1.06)
IV rt-PA	1234 (39.99)	1075 (38.67)	1189 (40.28)	1242 (44.55)

*All results presented are statistically significant, $p < 0.001$

Abbreviations Used:

IQR – Interquartile range. tPA – tissue plasminogen activator, EVT – Endovascular Thrombectomy. CI – Confidence Interval. Rehab – Rehabilitation facility.

