

SUPPLEMENTAL TABLE. Demographic of acute ischaemic stroke patients admitted to hospitals by COVID-19 status among Medicare FFS beneficiaries aged ≥ 65 years - United States, 2020-2022

Variables	Overall n (%) or statistics (N=283034)	Hospitalised COVID-19 (n=13873)	Non- hospitalised COVID-19 (n=12897)	No diagnosis of COVID (n=256264)	P-value*
Age at AIS					
Median	79.5	80.1	79.7	79.4	<0.001
Interquartile range (IQR)	73.0-86.3	73.4-86.8	73.3-86.7	72.9-86.2	
Mean (SE)	79.9 (0.02)	80.4 (0.07)	80.2 (0.08)	79.9 (0.02)	<0.001
Age in groups					
65-74	93060 (32.9)	4289 (30.9)	4119 (31.9)	84652 (33.0)	
75-84	106608 (37.7)	5169 (37.3)	4806 (37.3)	96633 (37.7)	
85+	83366 (29.5)	4415 (31.8)	3972 (30.8)	74979 (29.3)	<0.001
Male	125356 (44.3)	6003 (43.3)	5497 (42.6)	113856 (44.4)	<0.001
Race/ethnicity					
Non-Hispanic white	230539 (81.5)	10341 (74.5)	10461 (81.1)	209737 (81.8)	
Non-Hispanic black	27673 (9.8)	1914 (13.8)	1166 (9.0)	24593 (9.6)	
Hispanic	13702 (4.8)	1090 (7.9)	787 (6.1)	11825 (4.6)	
Other race	11120 (3.9)	528 (3.8)	483 (3.7)	10109 (3.9)	<0.001
NIHSS in groups[§]					
0-9	214259 (75.7)	8726 (62.9)	9234 (71.6)	196298 (76.6)	
10-19	43157 (15.2)	3024 (21.8)	2205 (17.1)	37927 (14.8)	
20+	25619 (9.1)	2123 (15.3)	1457 (11.3)	22039 (8.6)	<0.001
VTE	7705 (2.7)	626 (15.3)	382 (11.5)	6697 (2.6)	<0.001
Death by the end of 30 April 2022	88828 (31.4)	5684 (41.0)	4117 (31.9)	79027 (30.8)	<0.001
Medical history					
Stroke/TIA	80892 (28.6)	4621 (33.3)	4032 (31.3)	72239 (28.2)	<0.001
Ischaemic heart disease	157824 (55.8)	8636 (62.3)	8018 (62.2)	141170 (55.1)	<0.001
Hypertension	241310 (85.3)	12280 (88.5)	11364 (88.1)	217666 (84.9)	<0.001
Hypercholesterolemia	229510 (81.1)	11521 (83.0)	10942 (84.8)	207047 (80.8)	<0.001
Diabetes	128213 (45.3)	7548 (54.4)	6640 (51.5)	114025 (44.5)	<0.001
Atrial fibrillation	66618 (23.5)	3687 (26.6)	3403 (26.4)	59528 (23.2)	<0.001
Heart Failure	96385 (34.1)	5959 (43.0)	5231 (40.6)	85195 (33.2)	<0.001
Chronic kidney disease	132927 (47.0)	7791 (56.2)	6676 (51.8)	118460 (46.2)	<0.001
Acute myocardial infarction	22375 (7.9)	1292 (9.3)	1064 (8.2)	20019 (7.8)	<0.001
Peripheral vascular disease	56359 (19.9)	3773 (27.2)	3382 (26.2)	49204 (19.2)	<0.001
Chronic obstructive pulmonary disease	83591 (29.5)	4965 (35.8)	4487 (34.8)	74139 (28.9)	<0.001
Tobacco use	26139 (9.2)	1242 (9.0)	1046 (8.1)	23851 (9.3)	<0.001

Abbreviation: AIS, acute ischaemic stroke; NIHSS, National Institutes of Health Stroke Scale; VTE, Venous thromboembolism; TIA, Transient ischaemic attack

*P-value comparing the difference in mean, median or proportion across 3 groups of COVID-19 status among the Medicare FFS beneficiaries hospitalised with AIS.

[§] NIHSS scores were based on ICD-10 codes in Medicare database. About 37% of AIS patients had missing NIHSS scores, and we used the multiple imputation techniques as in PROC MI in SAS to impute the missing NIHSS scores.