

Supplement Tables

Supplement Table 1 Cost breakdowns for patients with atrial fibrillation

Cost type (n=31)	Cost	SE	95% CI
	Mean (SD), CNY		
Total cost	54694.01 (41085.06)	7379.09	41725.96, 67662.05
Direct medical cost	26788.88 (17854.25)	3206.72	21153.38, 32424.38
Index event cost (hospitalization cost)	17621.41 (6591.81)	1183.92	15540.78, 19702.04
Follow-up cost	9167.47 (14906.32)	2677.25	4462.46, 13872.49
Rehabilitation	4214.17 (7855.30)	1410.85	1734.73, 6693.61
Supportive care	606.45 (1577.96)	283.41	108.39, 1104.52
Hospital care	4346.85 (11482.00)	2062.23	722.69, 7971.02
Direct non-medical cost	8064.94 (21258.79)	3818.19	1354.84, 14775.04
Index event cost*	516.55 (1734.62)	311.55	0, 1064.07
Food and accommodation (family members)	0.00 (0.00)	/	/
Homecare worker*	503.23 (1738.10)	312.17	0, 1051.84
Transportation	13.33 (19.41)	3.49	7.20, 19.45
Follow-up cost (homecare worker)	7548.39 (20077.91)	3606.10	1211.02, 13885.76
Indirect cost	19840.19 (26954.95)	4841.25	11332.16, 28348.22
Index event cost	5013.45 (2230.22)	400.56	4309.50, 5717.39
Patient productivity loss	628.25 (1789.73)	321.45	63.34, 1193.16
Informal care	4385.20 (2221.65)	399.02	3683.96, 5086.44
Follow-up cost	14826.74 (26035.28)	4676.07	6608.99, 23044.49
Patient productivity loss*	628.25 (2483.30)	446.01	0, 1412.08
Informal care	14198.49 (26269.83)	4718.20	5906.70, 22490.27

*Lower bound of 95% CI truncated to 0 due to costs being non-negative.

Supplement Table 2 Costs by characteristic (categorical variables)

Variable	Total (N=520)	Costs by characteristic (categorical variables)				
		Mean (SD), CNY				
		<i>Index hospitalization cost</i>	<i>Direct medical cost</i>	<i>Direct nonmedical cost</i>	<i>Indirect cost</i>	<i>Total cost</i>
Basic information						
Gender						
Male	362 (69.6%)	17632.57 (12622.47)	25233.83 (18599.06)	1605.92 (10345.00)	26975.60 (41663.43)	53815.34 (48617.82)
Female	158 (30.4%)	19315.06 (14953.18)	29771.78 (33970.25)	5494.86 (44040.20)	30897.49 (49588.00)	66164.13 (79832.78)
Work status before stroke						
Working (full-time, part-time, farm work)	170 (32.7%)	16814.11 (12756.77)	24546.03 (17820.51)	1384.00 (12264.39)	62118.64 (58194.29)	88048.67 (65269.86)
Not working (retired, unemployed, stopped farm work)	350 (67.3%)	18789.64 (13645.57)	27616.46 (26954.82)	3469.28 (30227.76)	11676.58 (20795.05)	42762.32 (51232.34)
Insurance: urban employee basic medical insurance	243 (46.7%)	18277.56 (12497.22)	27006.59 (28354.69)	4233.16 (35948.01)	18130.93 (33091.74)	49370.67 (62395.52)
Insurance: urban resident basic medical insurance	125 (24.0%)	19477.15 (15050.40)	27179.49 (20848.08)	2135.65 (14187.33)	19740.67 (32849.77)	49055.81 (43047.15)
Insurance: rural cooperation medical insurance	117 (22.5%)	15583.97 (12275.62)	22509.14 (17092.50)	313.73 (1051.71)	59109.89 (59205.17)	81932.76 (65398.92)
Family monthly income per capita						
< 3000 CNY	77 (14.8%)	14694.57 (11703.39)	21882.33 (18251.29)	494.89 (3040.44)	37858.93 (54507.09)	60236.15 (60327.53)
3000-8000 CNY	243 (46.7%)	17710.53 (12658.16)	24235.48 (18107.87)	1941.14 (12205.18)	20169.88 (34704.17)	46346.50 (43343.21)
8001-20000 CNY	157 (30.2%)	19581.72 (14844.35)	30195.79 (31970.99)	2268.85 (9837.69)	32009.78 (45765.98)	64474.42 (57848.23)
>20000 CNY	43 (8.3%)	21518.62 (13448.88)	35434.54 (29170.60)	13570.15 (82712.14)	41977.14 (57132.33)	90981.84 (112414.99)
Education level						
College or above	51 (9.8%)	16877.69 (6893.53)	29842.32 (23712.77)	1275.50 (8690.80)	17948.29 (28986.67)	49066.12 (39769.49)
High school	131 (25.2%)	19306.53 (15625.96)	25691.94 (20478.78)	6206.91 (49358.65)	16095.04 (28683.39)	47993.89 (69003.06)
Junior school	180 (34.6%)	18051.74 (11585.69)	26400.61 (20497.23)	1980.16 (8538.24)	29611.87 (47422.57)	57992.64 (54726.99)
Primary school	118 (22.7%)	17954.17	27357.98	1747.93	35254.50	64360.41

		(16401.32)	(34899.57)	(8803.45)	(48580.99)	(61482.63)
None	40 (7.7%)	16923.69 (8756.66)	24265.81 (13434.77)	217.25 (990.79)	53324.74 (57890.11)	77807.80 (63379.48)
Hypertension	410 (78.8%)	18328.66 (13791.70)	26999.11 (25865.43)	2893.41 (27859.14)	26222.03 (42982.10)	56114.54 (61101.08)
Pathoglycemia						
Prediabetes	14 (2.7%)	14637.78 (6007.60)	24206.30 (27343.01)	278.43 (994.05)	20282.65 (35620.68)	44767.39 (45596.53)
Diabetes and classification	158 (30.4%)	20243.47 (14807.87)	28458.09 (22957.38)	5181.06 (43839.35)	23765.41 (41949.42)	57404.56 (71803.83)
Lipid metabolism disorder	176 (33.8%)	18633.71 (15252.82)	27188.59 (30176.21)	848.61 (5118.28)	28651.56 (41831.58)	56688.76 (53646.40)
Coronary heart disease	52 (10.0%)	21955.16 (15758.29)	30768.49 (21537.98)	1335.50 (7359.81)	20112.51 (41701.58)	52216.50 (52464.67)
Atrial fibrillation	31 (6.0%)	17621.41 (6591.81)	26788.88 (17854.25)	8064.94 (21258.79)	19840.19 (26954.95)	54694.01 (41085.06)
Treatment						
Intravenous thrombolysis: rt-PA intravenous thrombolytic	51 (9.8%)	21642.29 (6026.84)	34790.41 (43783.82)	3773.24 (13646.68)	13083.16 (22309.19)	51646.81 (49988.84)
Endovascular therapy: stent therapy	3 (0.6%)	55058.77 (44831.87)	61722.15 (47953.79)	240.00 (415.69)	41029.02 (52811.15)	102991.17 (98724.50)
Inpatient therapy: medicine	514 (98.8%)	18049.96 (13415.57)	26525.07 (24472.51)	2797.74 (25924.46)	28161.86 (44358.42)	57484.66 (60296.75)
Antiplatelet therapy	504 (96.9%)	17996.69 (13524.47)	26304.37 (24453.49)	2708.03 (26014.73)	27999.55 (43972.06)	57011.95 (59888.05)
Lipid-lowering drugs	509 (97.9%)	17961.88 (13402.74)	26396.15 (24481.35)	2825.21 (26050.24)	27947.20 (43845.27)	57168.56 (59841.32)
Antioxidant treatment	108 (20.8%)	17828.92 (9264.32)	26827.90 (20188.60)	296.90 (1214.57)	48476.71 (56728.12)	75601.51 (63244.10)
Antihypertensive treatment	300 (57.7%)	18333.32 (13336.77)	27510.87 (27498.57)	3369.32 (32186.41)	29391.58 (46669.78)	60271.77 (66762.96)
Inpatient therapy: carotid artery stenting	3 (0.6%)	65551.66 (48596.85)	70638.99 (51432.69)	240.40 (415.35)	36484.67 (56125.91)	107364.05 (97803.22)
Discharge						
Whereabouts after discharge						
N-Miss	15					
Home	482 (95.4%)	17471.01 (12270.68)	25329.75 (23279.80)	2495.79 (26389.25)	28429.01 (44407.49)	56254.55 (59996.82)
Transferred to other hospitals (Grade II)	5 (1.0%)	19070.58 (3793.22)	22830.00 (2368.70)	5061.82 (9823.34)	20176.93 (30568.20)	48068.75 (28608.39)

Transferred to community hospital	2 (0.4%)	14611.71 (9684.56)	19851.50 (10759.66)	3.50 (4.95)	145289.47 (52331.59)	165144.47 (63086.30)
Transferred to rehabilitation center	12 (2.4%)	22547.37 (13567.60)	46621.53 (28592.26)	9406.00 (21535.55)	18307.25 (34770.02)	74334.78 (60396.75)
Other	4 (0.8%)	21113.92 (11580.95)	27958.89 (11542.14)	401.75 (798.84)	6329.64 (2118.60)	34690.27 (13772.92)
Discharge medication: antiplatelet agents	489 (94.0%)	17921.45 (13312.21)	25915.45 (24205.73)	2526.36 (26089.51)	27881.86 (43729.75)	56323.67 (59900.52)
Discharge medication: lipid-lowering drugs	493 (94.8%)	17770.15 (12555.65)	26032.48 (23903.18)	2792.12 (26330.86)	27489.72 (43439.54)	56314.32 (59266.01)
Discharge medication: antihypertensive therapy	317 (61.0%)	17852.43 (12039.45)	27198.67 (26762.30)	2917.71 (31094.31)	29300.94 (45687.33)	59417.33 (64979.10)
Discharge medication: antioxidant against lipid peroxidation	6 (1.2%)	18729.00 (14623.39)	22445.28 (13203.33)	553.80 (883.64)	3765.32 (3733.40)	26764.40 (15627.44)
Follow-up						
Living conditions during follow-up period						
N-Miss	2					
Living alone	25 (4.8%)	16886.63 (6535.28)	22765.57 (14730.90)	289.55 (589.84)	21111.77 (33917.17)	44166.89 (38835.62)
Living with others	493 (95.2%)	18178.08 (13654.99)	26756.06 (24784.54)	2912.41 (26465.91)	28535.01 (44734.35)	58203.48 (60943.54)
3-month mRS score						
N-Miss	3					
0-2 points	450 (87.0%)	16956.96 (12510.23)	24922.50 (23886.24)	1524.67 (9803.98)	23691.23 (37056.67)	50138.40 (45630.20)
3-5 points	67 (13.0%)	25842.89 (16474.32)	37472.73 (25342.89)	11297.83 (66975.33)	58648.32 (70186.75)	107418.88 (106007.39)
12-month mRS score						
N-Miss	7					
0-2 points	448 (87.3%)	16792.32 (12096.91)	24649.59 (23698.24)	1509.14 (9760.66)	24298.67 (38377.60)	50457.40 (47112.63)
3-5 points	65 (12.7%)	26763.42 (17691.20)	39676.65 (25716.11)	11889.43 (68013.19)	53831.11 (67398.62)	105397.19 (104264.83)

Supplement Table 3 Univariate analysis statistical test values

Variable	Total (N=520)	Univariate analysis statistical test values*			
		Direct medical cost	Direct nonmedical cost	Indirect cost	Total cost
Basic information					
Gender: male	362 (69.6%)	3.834	2.511	0.865	4.687
Age (years old)	61.64 (9.74)	0.088	0.010	-0.200	-0.080
Work status before stroke		1.819	0.749	208.516	74.301
Working (full-time, part-time, farm work)	170 (32.7%)				
Not working (retired, unemployed, stopped farm work)	350 (67.3%)				
Insurance: urban employee basic medical insurance	243 (46.7%)	0.119	1.436	24.577	8.628
Insurance: urban resident basic medical insurance	125 (24.0%)	0.089	0.105	6.036	3.322
Insurance: rural cooperation medical insurance	117 (22.5%)	4.306	1.392	86.077	26.066
Family monthly income per capita		4.852	2.850	5.837	8.354
< 3000 CNY	77 (14.8%)				
3000-8000 CNY	243 (46.7%)				
8001-20000 CNY	157 (30.2%)				
> 20000 CNY	43 (8.3%)				
Education level		0.392	0.811	7.528	2.638
College or above	51 (9.8%)				
High school	131 (25.2%)				
Junior school	180 (34.6%)				
Primary school	118 (22.7%)				
None	40 (7.7%)				
Hypertension	410 (78.8%)	0.487	0.033	3.772	1.135
Pathoglycemia		0.681	1.002	1.486	0.335
Prediabetes	14 (2.7%)				
Diabetes and classification	158 (30.4%)				
Lipid metabolism disorder	176 (33.8%)	0.148	1.507	0.032	0.057
Coronary heart disease	52 (10.0%)	1.682	0.183	1.921	0.459
Atrial fibrillation	31 (6.0%)	0.002	1.383	1.170	0.075
Treatment					
Time from onset to arrival (hours)	25.29 (30.96)	-0.113	-0.002	0.120	-0.004
N-Miss	86				
Admission NIHSS total score	3.92 (3.77)	0.320	0.173	0.260	0.390
Intravenous thrombolysis: rt-PA intravenous thrombolytic	51 (9.8%)	6.432	0.083	6.654	0.549
Endovascular therapy: stent therapy	3 (0.6%)	6.325	0.029	0.255	1.730
Inpatient therapy: medicine	514 (98.8%)	0.575	0.007	0.001	0.085

Antiplatelet therapy	504 (96.9%)	1.352	0.160	0.174	0.845
Lipid-lowering drugs	509 (97.9%)	1.020	0.033	0.616	0.767
Antioxidant treatment	108 (20.8%)	0.297	0.646	15.227	6.398
Antihypertensive treatment	300 (57.7%)	0.877	0.180	0.278	0.818
Inpatient therapy: carotid artery stenting	3 (0.6%)	10.016	0.029	0.107	2.080
Inpatient therapy: decompressive craniectomy	0 (0.0%)	/	/	/	/
Length of stay of index event (days)	13.80 (5.77)	0.429	0.099	0.392	0.375
Discharge					
Discharge NIHSS total score	2.60 (2.90)	0.270	0.098	0.204	0.315
Whereabouts after discharge		2.518	0.229	3.980	2.083
N-Miss	15				
Home	482 (95.4%)				
Transferred to other hospitals (Grade II)	5 (1.0%)				
Transferred to community hospital	2 (0.4%)				
Transferred to rehabilitation center	12 (2.4%)				
Other	4 (0.8%)				
Discharge medication: antiplatelet agents	489 (94.0%)	6.787	0.842	0.341	3.538
Discharge medication: lipid-lowering drugs	493 (94.8%)	5.426	0.000	2.235	4.162
Discharge medication: antihypertensive therapy	317 (61.0%)	0.469	0.021	0.533	0.771
Discharge medication: antioxidant against lipid peroxidation	6 (1.2%)	0.177	0.046	1.852	1.600
Follow-up					
Living conditions during follow-up period		0.636	0.245	0.668	1.298
N-Miss	2				
Living alone	25 (4.8%)				
Living with others	493 (95.2%)				
3-month mRS score		15.844	8.457	38.973	58.776
N-Miss	3				
0-2 points	450 (87.0%)				
3-5 points	67 (13.0%)				
3-month EQ-5D utility	0.88 (0.17)	-0.280	-0.084	-0.153	-0.259
N-Miss	2				
12-month mRS score		22.327	9.230	26.656	51.870
N-Miss	7				
0-2 points	448 (87.3%)				
3-5 points	65 (12.7%)				
12-month EQ-5D utility	0.89 (0.18)	-0.244	-0.042	-0.090	-0.191
N-Miss	6				

* The test statistic is the Spearman correlation coefficient (rho) for continuous variables, and the F-statistic for categorical variables.

Supplement Table 4 Variables of interest based on literature

Selected variables	
Basic information	
Gender	Age (years old)
Family monthly income per capita	Education level
Work status before stroke	Co-morbidities
Type of health insurance	
Treatment	
Admission NIHSS Total score	Time from onset to arrival (hours)
Intravenous Thrombolysis: rt-PA intravenous thrombolytic	Endovascular Therapy: Stent Therapy
Inpatient Therapy: Carotid artery stenting	Inpatient Therapy: Decompressive craniectomy
Inpatient Therapy: Medicine	Length of stay of index event (days)
Discharge	
Whereabouts after discharge	Type of discharge medication
Follow-up	
3-month mRS score	Living conditions during follow-up period
3-month EQ-5D utility	