

## Target quality of service indicators: Ischemic Stroke

Indicator	Detail	Target
<b>S : Standard</b>		
S01	Mean time to intravenous thrombolytic therapy (Door to Needle Time)	< 60 Min.
S02	Percentage of mortality of acute ischemic stroke patients who receive intravenous thrombolytic therapy within 4.5 hours	$\leq 3\%$
S03	Percentage of ischemic stroke patients who receive an antiplatelet for the treatment within 48 hours after the symptom onset	$\geq 85\%$
S04	Percentage of ischemic stroke patients who are discharged home and receive antiplatelet or anticoagulant on discharge	100 %
S05	Percentage of ischemic stroke patients discharged home who have high LDL and receive statin on discharge	> 90 %
S06	Percentage of ischemic stroke patients who have time to intravenous thrombolytic therapy (Door to Needle Time) within 60 minutes	> 75 %
<b>P : Process</b>		
P01	Percentage of ischemic stroke patients who have blood sugar checked after being admitted to the hospital within 24 hours	100 %
P02	Percentage of ischemic stroke patients who have EKG within 24 hours after symptom onset	100 %
P03	Percentage of ischemic stroke patients who have CT scan and/or MRI/MRA brain within 24 hours	100 %
P04	Percentage of acute ischemic stroke patients with duration of the symptoms not greater than 4.5 hours (Stroke Fast Track) who have CT scan and/or MRI/MRA brain within 1 hours	100 %
P05	Percentage of acute ischemic stroke patients with fever ( $\geq 37.5^{\circ}\text{C}$ ) who receive appropriate fever management	100 %
P06	Percentage of ischemic stroke patients who receive care following the planned guideline (Care Map/Path Way)	100 %
P07	Percentage of ischemic stroke patients with duration of the symptoms within 72 hours who receive care in Stroke Unit	$\geq 70\%$
P08	Percentage of ischemic stroke patients who receive appropriate patient instruction before discharge	100 %
P09	Percentage of ischemic stroke patients who have swallowing evaluation within 72 hours of admission	100 %
P10	Percentage of ischemic stroke patients who was evaluated/ rehabilitation and/or physical therapy/ Occupational therapy/ Speech-Language therapy within 72 hours of admission	100 %
P11	Percentage of ischemic stroke patients who receive therapy/instructions about smoking cessation	> 70 %
P12	Percentage of ischemic stroke patients who receive EKG monitoring within 24 hours of admission	$\geq 80\%$

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<b>O : Outcome</b>		
O01	Percentage of readmission within 28 days of stroke patients	< 1.5 %
O02	Percentage of ischemic stroke patients with reduced ( $BI_{\text{discharge}} - BI_{\text{admission}} > 0$ point)	> 70 %
O03	Mean length of stay of ischemic stroke patients	$\leq$ 10 Days
O04	Mean expense of ischemic stroke patients	Await mean value
O05	Percentage of mortality of ischemic stroke patients	< 3 %
O06	Percentage of ischemic stroke patients who have reduced ( $mRS_{\text{discharge}} - mRS_{\text{admission}} < 0$ point)	$\geq$ 80 %
O07	Percentage of ischemic stroke patients who have reduced severity of stroke ( $NIHSS_{\text{discharge}} - NIHSS_{\text{admission}} < 0$ point)	$\geq$ 80 %
<b>C : Complication</b>		
C01	Percentage of incidence of pneumonia in ischemic stroke patients	$\leq$ 5 %
C02	Percentage of incidence of urinary tract infection in ischemic stroke patients	$\leq$ 5 %
C03	Percentage of incidence of pressure sore/skin break	< 0.5 %
C04	Percentage of incidence of falls in ischemic stroke patients	0 %
C05	Percentage of incidence of deep vein thrombosis (DVT) in ischemic stroke patients	< 5 %