

Supplemental Table 4. Cost of Stroke Hospitalization Comparison

Study Authors and Year	Period Covered	Country (World bank classification)[22]	Average Cost (Raw)	Average cost (Jan 2018 USD)**	Cost / per capita GDP, in % (2018)	Hospital type	Types of Strokes	LOS (days)	Factors increasing total cost
<i>Southeast Asian countries</i>									
Diestro et al. (2018)	2017-2018	Philippines (LMI)	PHP 39,089.31	781.42	8.74	Public	Ischemic, Hemorrhagic, SAH	7.0±7.6	stroke type (hemorrhagic and SAH), male sex, infection, surgical intervention, lower GCS on admission, length of hospital stay, intravenous thrombolysis, mechanical ventilation
Le et al. (2016)[16]*	NS	Vietnam (LMI)	VND 8,112,458.7	373.45	4.97	Public	Ischemic, hemorrhagic	6.17 ± 0.18	age group, length of hospital stay, severity of stroke, number of caregivers
Nordin et al. (2012)[11]	2005 - 2008	Malaysia (UMI)	MYR 3,696.40	1,301.10	4.22	Public, private	Ischemic, hemorrhagic	6.4 ± 3.1	worsening severity of stroke, greater number of comorbidities
Ng et al. (2015)[9]	2006-2012	Singapore (HI)	S\$ 8303.5	7,006.33	6.98	Public	Ischemic, hemorrhagic, TIA, SAH	27.4 ± 39.7	stroke type (hemorrhagic and SAH), >1 stroke complication, more comorbidities

Sribundit et al. (2017)[10]	2008	Thailand (UMI)	THB 42,400	1,679.81	8.63	Public, private	Ischemic	5.7 ± 5.65	lower Barthel Index on admission, shorter time of ictus to admission, stroke unit admission, intravenous thrombolysis, development of severe complications, history of smoking
<i>Representative countries from other regions</i>									
Wang et al. (2015)[13]	2006-2008	USA (HI)	USD \$20,396	29,949.62	47.84	NS	Ischemic, hemorrhagic	NS	ischemic heart disease, stroke type (hemorrhagic)
Ghatnekar et al. (2008)[23]	2001-2003	Sweden (HI)	Euros 6,918	9,902.65	18.69	Public	Ischemic, hemorrhagic	20.3	atrial fibrillation, re-stroke
Yoneda et al. (2005)[24]	2000-2001	Japan (UMI)	Ischemic: USD 8,662 Hemorrhagic: USD 10,260	Ischemic: 12,261.70 Hemorrhagic: 14,523.79	27.72 32.84	Public	Ischemic and hemorrhagic	40	cardioembolic stroke, type (hemorrhagic)
Christensen et al. (2008)[12]	2006-2007	Brazil (UMI)	Hemorrhagic: USD 4,101 Ischemic: USD 1,902	Ischemic: 2,329.08 Hemorrhagic: 5,021.85	14.42 31.09	Public	Ischemic and hemorrhagic	12.0 ± 8.8	type (hemorrhagic), pneumonia, neurosurgical intervention, ICU stay, physical therapy
Yin et al. (2018)[15]	2016	China (UMI)	USD 4,423.9	4,628.39	25.56	NS	Ischemic, hemorrhagic, subarachnoid	14.5 ± 11.9	type (hemorrhagic), age, payment type, poor clinical outcome
Kwatra et al. (2013)[17]	2009-2011	India (LMI)	INR 31, 046	781.68	9.93	NS	Ischemic, hemorrhagic	13 ± 8	length of hospital stay, poor clinical outcome, higher economic class

