

Appendix

Medical resource	Unit cost in Brazil ¹ (2007 BRL)	Unit cost in the USA ² (2007 USD)
Diagnosis reimbursement		
IS – surgical	1,567	1,120
IS – medical	390	278
ICH – surgical	2,174	1,553
ICH – medical	390	278
Room and board		
Emergency room (ER) ³	7.55 (if stay <48 h)	5.39 (if stay <48 h)
Intensive care unit (ICU)	213.71 (per day)	165.51 (per day)
General ward (GW)	13.28 (per additional day after 7 days)	9.49 (per additional day after 7 days)
Stroke unit (SU)	⁶	⁶
Surgical interventions ⁴		
Imaging and radiology exams ⁵		
CT scan	173.50	123.93
MRI	268.75	191.96
Echocardiography	102.00	72.86
Digital angiography	179.46	128.19
Carotid echo Doppler	30.77	21.98
Chest X-ray	included	
Abdominal ultrasound	included	
Abdominal X-ray	included	
Transcranial Doppler	90.00	64.29
Renal ultrasound	included	
Doppler of the upper extremities	179.46	128.19
Doppler of the lower extremities	179.46	128.19
Lumbar puncture	included	
Other area X-ray	included	
Support		
Foley	included	
Other urinary support	included	
Nasogastric intubation/enteral nutrition	40.00 (plus 30.00 for each additional day)	28.57 (plus 21.43 for each additional day)
Parenteral nutrition	60.00 (per day)	42.86 (per day)
Swan-Ganz catheter	121.61 (installation and use)	86.86 (installation and use)
Central venous catheter	115.00 (installation and use)	82.14 (installation and use)

Mechanical ventilation	included
Hydration	included
Catheter for peripheral line	included
Endotracheal intubation	included
Oxygen catheter/mask	included
Laboratory tests	all included
Physical exams	all included
Evaluation by health professionals	all included

¹ Unit costs in Brazil are based on the SUS reimbursement rates (Brazil's Unified Health System).

² Costs were converted to USD based on the 2005 purchasing power parity index (1.4 BRL = 1 USD). Since there are no 2007 purchasing power parity data available, we assume that the 2005 rate has remained constant.

³ Patient is charged the ER cost if ER LOS <48 h and the patient is not transferred to another setting (i.e. discharged from or died in ER); patient is charged package cost (and no ER cost) if ER LOS <2 days before transfer to another setting, or if ER LOS >2 days.

⁴ Patient is charged the surgical package cost if the patient underwent any surgical procedure.

⁵ Cost is per exam.

⁶ Stroke unit costs are not available.