

# Weekend

Does surgical start time or weekend presentation affect clinical outcome for those presenting with neurosurgical pathology? <sup>1)</sup>.

Presentation on a weekend is commonly associated with higher mortality and a decreased likelihood of receiving invasive procedures.

Weekday after-hours and weekend emergency pediatric [neurosurgical procedures](#) are associated with significantly increased 30-day morbidity and mortality risk compared with procedures performed during weekday regular hours <sup>2)</sup>.

There seems to be a weekend effect for children with ischemic and hemorrhagic strokes. Quality improvement initiatives should examine this phenomenon prospectively <sup>3)</sup>.

## Weekend effect on subarachnoid hemorrhage

see [Weekend effect on subarachnoid hemorrhage](#).

<sup>1)</sup>

Linzey JR, Pandey AS. Does surgical start time or [weekend](#) presentation affect clinical [outcome](#) for those presenting with neurosurgical [pathology](#)? World Neurosurg. 2018 Dec 26. pii: S1878-8750(18)32899-7. doi: 10.1016/j.wneu.2018.12.076. [Epub ahead of print] PubMed PMID: 30593964.

<sup>2)</sup>

Desai V, Gonda D, Ryan SL, Briceño V, Lam SK, Luerksen TG, Syed SH, Jea A. The effect of weekend and after-hours surgery on morbidity and mortality rates in pediatric neurosurgery patients. J Neurosurg Pediatr. 2015 Dec;16(6):726-31. doi: 10.3171/2015.6.PEDS15184. Epub 2015 Sep 25. PubMed PMID: 26406160.

<sup>3)</sup>

Adil MM, Vidal G, Beslow LA. Weekend Effect in Children With Stroke in the Nationwide Inpatient Sample. Stroke. 2016 Jun;47(6):1436-43. doi: 10.1161/STROKEAHA.116.013453. Epub 2016 Apr 26. PubMed PMID: 27118791.

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