

Innovations in Care Delivery



From the Editor

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Innovations in Care Delivery strives to highlight articles that feature advances in care delivery in our Editors' Blog, Editors' Top Five Recommended Reading, and Latest Articles sections. Periodically, we also include interviews with leaders in the field of health services research.

Editors' Blog

The Innovations in Care Delivery blog, over the last several months, has discussed articles about the use of continuous EEG monitoring¹ and paraneoplastic testing panels that are commercially available.² Our goal is to highlight health services research articles published in *Neurology*[®] and *Neurology*[®] *Clinical Practice*, as well as to give opinions by experts in the field.

Editors' Top 5 Recommended Reading and Latest Articles

Check out our collection of *Neurology* articles related to innovations in care delivery. A recent article by Hill et al.¹ characterized the use of continuous EEG monitoring in critically ill inpatients from 2004 to 2013. Continuous EEG use has increased >10-fold over this time period. The study also explored the association of continuous EEG monitoring with outcomes of in-hospital mortality, hospitalization, and length of stay. A blog post about the study can be found on the Innovations in Care Delivery site.

Another new addition is an article by Mulvey et al.³ about implementing and evaluating an electronic health record alert to screen for obstructive sleep apnea in patients with epilepsy. The study used 12 risk factors for obstructive sleep apnea, and patients with 2 or more risk factors were referred for polysomnography by the provider. The alert was evaluated with a pre-post design. Screening increased from 7% in the pre time period to 33% in the post time period. A positive result on the sleep test also increased from 56% in the pre time period to 87% in the post time period. Seizure outcomes or quality of life were not assessed.

References

1. Hill CE, Blank LJ, Thibault D, et al. Continuous EEG is associated with favorable hospitalization outcomes for critically ill patients. *Neurology* 2019;92:e9–e18.
2. Ebright MJ, Li SH, Reynolds E, et al. Unintended consequences of Mayo paraneoplastic evaluations. *Neurology* 2018;91:e2057–e2066.
3. Mulvey MA, Veerapandiyam A, Marks DA, Ming X. Electronic health record cue identifies epilepsy patients at risk for obstructive sleep apnea. *Neurol Clin Pract* 2018;8:468–471.



Blog

Read the Innovations in Care Delivery blog for timely posts by the editors and invited guests on *Neurology* articles.

NPub.org/icdblog

Neurology[®]

What's happening in Innovations in Care Delivery

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