

A framework for evaluating the appropriateness of clinical decision support alerts and responses.

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McCoy AB, Waitman LR, Lewis JB, et al. A framework for evaluating the appropriateness of clinical decision support alerts and responses. *J Am Med Inform Assoc.* 2012;19(3):346-52. doi:10.1136/amiajn-2011-000185.

<https://psnet.ahrq.gov/issue/framework-evaluating-appropriateness-clinical-decision-support-alerts-and-responses>

Increasing adoption of [clinical decision support systems](#) (CDSS) is driven by evidence that a well-designed system may impact [provider behavior](#), [medication safety](#), and [patient outcomes](#). This study developed a framework to assess the clinical appropriateness of alerts, and applied the framework to alerts designed for patients with acute kidney injury. The authors identified rates of false positive alerts, alert overrides, provider non-adherence, and provider response appropriateness. Using their proposed framework, they advocate for systematic approaches to implementing and evaluating CDSS to optimize alert [adherence](#) and minimize alert [overrides](#). A past AHRQ WebM&M [commentary](#) discussed integrating CDSS to improve medication safety.