

Evaluating a mobile application for improving clinical laboratory test ordering and diagnosis.

July 2, 2019

Meyer AND, Thompson PJ, Khanna A, et al. Evaluating a mobile application for improving clinical laboratory test ordering and diagnosis. J Am Med Inform Assoc. 2018;25(7):841-847.

doi:10.1093/jamia/ocy026.

<https://psnet.ahrq.gov/issue/evaluating-mobile-application-improving-clinical-laboratory-test-ordering-and-diagnosis>

Clinical decision support is a widely recommended patient safety strategy. This study examined whether a mobile application created by the Centers for Disease Control and Prevention improved clinician decision-making about [anticoagulation test ordering](#) for simulated case vignettes. Each participating physician completed a series of vignettes; half used the application and half did not. When using the application, physicians demonstrated greater [diagnostic accuracy](#) and confidence, and they needed less time to complete each vignette. The authors suggest that [mobile applications](#) may be useful for providing decision support.