Impact of a Novel Early Warning System on Patient Outcomes

A commercially available Early Warning System (EWS) was implemented across Froedtert Health in June 2018. EWSs seek to facilitate early detection of patient deterioration. Our team was tasked with discovering the utility of it and quantifying the value it brings to patients and providers.

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Key Clinical Partner
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CHDS:
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Other team members:
- Michael Stadler, MD - Chief Medical Officer
- Emilie Braun – MD 2022
Impact of a Novel Early Warning System on Patient Outcomes

The CHDS team analyzed the impact of the EWS on key patient outcomes six months after it was implemented and compared them to the same time period one year prior.

Key Learnings
- EWS implementation did not lead to any changes in mortality, rapid response team activation, or Code-4 calls
- Many providers do not find the EWS helpful in their management of patients

F&MCW Impact
- Eliminating the EWS from F&MCW would result in a yearly cost avoidance of over half a million dollars

External Impact
- Abstract accepted for the Society of General Internal Medicine meeting (May 2020)
- Presentation at the Vizient Connections Education Summit (September 2020)
- Poster presentation at the International Forum on Quality & Safety in Healthcare in Copenhagen (November 2020)

Completed in December 2019

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