Inpatient Influenza Vaccination Alert Optimization, Clinical Decision Support (CDS)

Rapid RCT Lab, Center for Healthcare Innovation and Delivery Science, Population Health

The inpatient influenza vaccination alert notifies nurses that the patient has not yet received the vaccine this season. It has one of the highest cancellation rates, suggesting that it is not optimal for provider workflow. This project tests various iterations of the alert verbiage using investigator-blinded patient-level randomization.

PROJECT GOALS
To reduce cancellation rates by optimizing the alert and to contribute to reducing alert fatigue.

CURRENT STATUS OF PROJECT
Trial has been completed. Based on the results, team decided to keep Alert B. After unblinding, Alert B was confirmed as the new alert.

NEXT STEPS
Implement the necessary production changes to fully replace the old alert with the new one.

OUR TEAM
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Figures 1 & 2: Although Alert B had few total number of firings during the study period, the result was not statistically significant (Kruskal-Wallis chi-squared = 23, df = 23, p-value = 0.4608). There is also no significant difference in number of alert firings per patient between the two alerts.