“Investigating the Use of Patient Attributes to Predict False Positive Medical Alerts”

Abstract:
Medical alerts, one of the most common forms of clinical decision support (CDS) in the electronic health record (EHR), interrupt clinicians’ workflow to provide patient care suggestions or warn of potential medical errors. Their large number combined with a high rate of false positives (incorrectly displayed alerts), results in alert fatigue, the desensitization of providers to future alerts. Many of the overrides may be due to the clinician accounting for more information than the alert rule uses. However, as the EHR is filled with data, it may be possible to model the alert override process using statistical and machine learning approaches. Such a model may provide the basis for methods for suppressing false positive alerts.

Friday, 11/30/2018 at 10:15am
Shelby Biomedical Research Building, Room 105
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