

EPIC SYSTEM UPDATE

Overview of Feature / Changes

Effective Monday November 18, 2019, Upstate will implement **phase one of the Sepsis Predictive Analytics model**. The Sepsis Predictive Analytics model in Epic will **use clinical history, orders, results, medications, vital signs, and other documentation to calculate a patient's likelihood of developing sepsis**. As we know, sepsis is a potentially **life-threatening diagnosis**, and risk of **mortality increases significantly if symptoms are not caught and treated early**.

As we know, **early intervention matters**, and the Sepsis Predictive Analytics model is **able to identify individuals at risk prior to the individual having Severe Sepsis or Septic Shock**. Through **BestPractice Advisories and other tools in Epic**, physicians and clinical staff will be made aware of patients that have an increased risk for sepsis allowing early interventions and treatments based on the individual's increased risk for sepsis.

Data

Quality Services is excited to share the performance observed with the implementation of the Sepsis Predictive Analytics model. Quality Services audited the entire month of February 2019 (almost 9,000 encounters) in which approximately 600 were identified as having a high risk of sepsis. The model correctly eliminated almost all cases which were not sepsis, without over-identifying sepsis. Often, patients were identified as high risk 24-48 hours before exhibiting organ dysfunction.

Education

Inpatient Providers

- 🖱 [IP-PROV: Sepsis Predictive Analytics BestPractice Advisory Tip Sheet](#)