

Providing clinicians with the necessary knowledge of a patient's deterioration, in near-real-time at the bedside.

Douglas Dotan, MA, CQIA

The goal and objectives are to support clinicians, hospitals, and ambulatory surgery centers to provide safe care to patients by providing clinicians with the necessary knowledge of a patient's deterioration, in near-real-time at the bedside, so they can take the appropriate preventive action before harm occurs. An innovation called the “3-Click Solution” was designed to enable clinicians to identify patient safety and quality of care issues caused by the electronic medical record (EHR) or associated with a medication, test, process or device. Issues go to a separate database for analysis and process improvement in real-time. Results have demonstrated an ability to: 1. Generate reports on outcomes related to select quality indicators; 2. Reduce time-to-document; 3. Decrease time to obtain and record safety and quality related events; 4. Flag adverse events based on historical cases; 5. Interact with caregivers in real time; and, 6. Support Machine Learning to re-train itself enabling discovery of new objects and behaviors to search for solutions.