Optum ED PulseCheck® is the high-performance ED EMR (emergency department electronic medical record) that helps hospitals improve quality of care measures in the ED. It delivers a complete set of operational and management tools that help optimize ED performance as well as provide interoperability with the hospital’s EMR and the healthcare community through a health information exchange (HIE). In addition, ED PulseCheck offers charge capture and full clinical documentation functionality, helping clinicians better manage ED workflow, drive clinical quality, improve financial performance, and provides information to the clinician to help facilitate quality of patient care.

**Simplified patient tracking**
To efficiently manage patients throughout their ED stay, ED PulseCheck’s fully integrated tracking board provides key patient information such as chief complaint, time for next nursing reassessment, patient urgency, length of stay, patient disposition and 30-day return notification. Clinicians can easily prioritize tasks, helping improve operational efficiency, decrease disposition time and facilitating quality of patient care. Other tools aid accurate patient tracking, coding and reporting of ED performance.

**Snapshot of the ED**
Track department metrics in near real time to help manage resources.
- Helps the ED treat and allow for disposition of a higher volume of patients
- Provides visibility to average flow times, current caseloads and average length of stays

**Key features**
- Advanced clinical decision support and rules
- ePrescribing
- Integrated charge capture from documentation
- Seamless interoperability and bi-directional information flow
- Customizable ED dashboard for key performance metrics
- Scribe workflow support
- Intuitive web-native architecture
- ONC-ATCB certified to meet meaningful use requirements
- ICD-10 ready
Shared up-to-date consolidated patient problem list

Maintain current and active patient diagnoses and transmit data two-ways in both CCDs and CCRs.

- Facilitates review and update of patient’s problem list and inclusion in ED record
- Transmits and receives external data via ADT and CCD
- Measures percent compliance

ePrescribing

ED PulseCheck offers a completely integrated ePrescribing solution aiding clinicians in their medication order decisions. Once medications are selected, clinicians can create and send prescriptions electronically to the patient’s selected pharmacy, simplifying the prescription writing process. As a result, there is less chance for errors, overall costs are reduced and the requirements for meaningful use can be met.

Information sharing and management reporting

Weight based dose range checking

ED PulseCheck, actively checks on the dose being ordered for a patient, rather than asking a clinician for a manual check. The check determines whether the dose ordered is within “maximum” or “not to exceed” limits. A notification confirms whether the dose passed, failed or was unable to be performed due to missing information. These notifications provide the clinician with feedback ahead of the dose being given, helping reduce incorrect or missing information being entered in the system.

Complete charge management solution with proven results

The first fully integrated ED clinical information/revenue management solution enabling consistent, compliant facility visit level (E&M score) calculations while helping increase ED reimbursement for discharged patients.

- AutoCharge ED within ED PulseCheck automates clinical documentation and procedure capture
- Optum™ LYNX ED Charging Application (LYNX E/Point), integrated with ED PulseCheck, captures and calculates charges
**Powerful reporting tools**
Standard reports include hourly triage activity, turnaround times, order usage, disposition summary and post care results. Transition to ICD-10 coding helps with charge capture accuracy, and ED PulseCheck Operational Dashboard provides a complete view of ED performance data on key metrics.

- Helps accelerate and simplify the process of measuring performance, quality of care, costs and charges
- Provides information needed to help support operational ED decisions
- Dashboards provide at-a-glance views to help providers and management evaluate ED performance against key metrics

**Support for scribe workflow**
Scribes play an important role in supporting ED physicians in charting and performing other duties to streamline patient care. ED PulseCheck provides support for this unique workflow by allowing authorized users to assign themselves as the scribe for specific patients and enter documentation for the physician. Patient documentation entered by scribes is tracked and its status is easily recognized on ED PulseCheck’s Tracking Board. Physicians can simply select scribe documentation within a patient’s chart and take ownership for subsequent editing and signing.

**Clinical decision support**

**Integrated risk mitigation**
ED PulseCheck’s built-in notifications help improve documentation by reminding caregivers of important clinical documentation requirements such as need for re-evaluation, vital sign range, drug/allergy and drug/drug interaction checks and open order reminders.

**ED PulseCheck Insight**
ED PulseCheck Insight rules processor sends notifications to clinicians and administrators during patient documentation to help provide better department management, and adhere to patient care protocols for increased charge capture.

**The Sullivan Group Risk Mitigation for ED PulseCheck Insight ED Rules Processor**
The Sullivan Group’s Risk Mitigation Module provides ED PulseCheck users with a robust, evidence-based, clinical decision support tool consolidating all data to match to high risk cases, helping clinicians consider what is needed as part of their care process.
Seamless interoperability with the rest of the hospital
ED PulseCheck provides true bi-directional interoperability and automation of workflow for each major HIS including GE, McKesson, Siemens, Cerner, Meditech and Epic. ED PulseCheck supports multiple medication databases and interface feeds; helps support separate workflows and streamlines the flow of patient data across the hospital and provider network system. ED staff can view key patient data within ED PulseCheck from a variety of systems. Hospital and outpatient staff can also view ED patient data within their native applications.

Easy to use
ED PulseCheck is easy to use and easy to learn. It is web-native and looks like other common web applications. Additionally, all areas that are links or abbreviations can be hovered over to learn quickly what the links mean. Improved mobile access support via an iPad facilitates key events in a patient’s visit.

Easy to deploy
ED PulseCheck is easy to build, configure, and maintain centrally. Version upgrades and service packs almost never require downtime, and service packs and content releases can be downloaded directly from the Optum Clinical Solutions User Community site. Optum Clinical Solutions professional services and certified project managers are experienced in rapid system configuration, which helps provide a smooth, efficient and rapid implementation and quick results.

Emergency department expertise
Optum Clinical Solutions is the only ED EMR specialty vendor in the industry with more than 280 clients live on the product. Optum Clinical Solutions is the leader in ED solutions, installed in over 1200 facilities and helping automate more than 39 million ED visits per year.

Certified for meaningful use
ED PulseCheck is 2011/2012 compliant and certified as an EMR module by the Certification Commission for Health Information Technology (CCHIT™), an ONC-ATCB. ED PulseCheck core reports for 12 different criteria are available, enabling hospitals to easily report on their compliance with the measures identified by the ONC for hospital certification of meaningful use.

About Optum Clinical Solutions
Optum Clinical Solutions—part of Optum, a leading health services business, is a global provider of innovative information solutions that enable rapid and sustained delivery of clinical documentation, financial and operational results in the emergency departments, surgical suites and intensive care units of the hospital. Optum Clinical Solutions offers the most advanced suite of integrated products focused on these life-critical areas of the hospital where the patients are the most vulnerable, the care process is the most complex and an increasing majority of hospital costs and potential revenue are concentrated. Headquartered in Wakefield, Massachusetts, Optum Clinical Solutions has licensed systems for use at more than 2000 hospitals in 21 countries.

For more information about Optum Clinical Solutions, visit www.optum.com