

## PulseCheck ED

Powering performance in the emergency department



PulseCheck ED 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 health care community through a health information exchange (HIE). In addition, PulseCheck ED offers charge capture and full clinical documentation functionality, helping clinicians better manage ED workflow, drive clinical quality, improve financial performance and use the information provided to help facilitate quality of patient care.

### Simplified patient tracking

To efficiently manage patients throughout their ED stay, PulseCheck ED'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

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Configurable to support Urgent Care workflow

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Advanced clinical decision support and rules

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ePrescribing

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Integrated charge capture from documentation

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Seamless interoperability and bi-directional information flow

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Customizable ED dashboard for key performance metrics

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Scribe workflow support

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Care Coordinator workflow support

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Intuitive web-native architecture

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ONC-ACB certified to meet meaningful use requirements\*

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ICD-10 ready

Bed / Urgency	Patient	Age	Complaint	Physician	RN	Orders	Dispo	LOS	Done
ZONE1 05	Anderson, D. R.	Go	F21 BILATERAL LEG ARM NUMBNESS	ALGA JHOU	LTOF DANY	L		1:28	S C A P V
ZONE1 03 XRAY	Ashton, P.	Go	M58 ABD PNI	ALGA MMEN	EVE DANY	L E M N X		2:48	S C F A P V
ZONE1 01	Bowers, G. S.	Go	F90 W/WEAKNESS	ALGA MMEN	EVE DANY	L E M N X	TELE 729-1 67790	3:04	S C E F A P D V
ZONE1 07	Brown, C. D.	Go	M44 MIGRAINE	ALGA JHOU	KPET DANY	M		1:09	C A P
ZONE1 10	Danberry, J. W.	Go	M58 Abnormal Labs	ALGA JHOU	KPET DANY	L E M N X		1:50	S C E F A P V
ZONE1 09	Gulliver, J. A.	Go	F36 Allergic Reaction	ALGA MMEN	KPET DANY	L E M N X		2:50	S C E F A P V
ZONE1 04	Kennicott, N. D.	Go	M42 BACK PAIN, LEG NUMBNESS	ALGA MMEN	EVE DANY	L E M N X		1:32	S C F A P V
ZONE1 11	Miller, K. L.	Go	F54 KIDNEY STONES, VOMITING	ALGA MMEN	KPET DANY	L E M N X		1:05	C F A P V
ZONE1 08	Swanson, R.	Go	M47 CHEST PAIN	ALGA JHOU	LTOF DANY	L E M N X		:55	S C E F P V
ZONE1 02 CT	Tilfimo, B.	Go	F91 AMS	ALGA MMEN	EVE DANY	L E M N X		:46	S C E F P V
ZONE1 06	Wolf, C. S.	Go	M28 Finger Laceration	ALGA LCON	LTOF DANY	L E M N X	D/C	2:17	S C A P D V

A customizable tracking board displays updated patient information, helping coordinate the flow of patients through the emergency department, allowing clinicians to track their patient documentation, and helping improve communication by linking ED clinicians and patient records to a wider community.

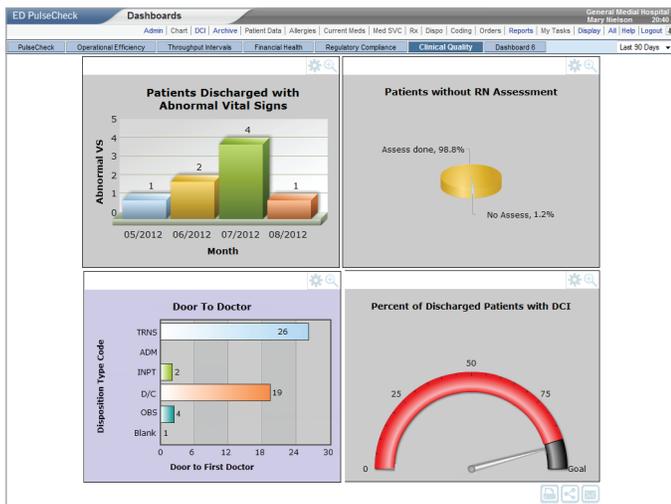
### Shared, up-to-date consolidated patient problem list

Maintain current and active patient diagnoses and transmit data two ways via CCD.

- 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

PulseCheck ED 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.



### Track ED performance through dashboard reporting

ED or hospital leadership is able to define meaningful use, operational efficiency, financial or quality metrics on which the ED will be compared, measured and potentially reimbursed. These metrics will be measured regularly in a clear and readable view on the dashboard, presented in a format that specifically relates either to the performance metrics or the preference of the viewers.

## Information sharing and management reporting

### Weight-based dose range checking

PulseCheck ED 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

PulseCheck ED is 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 PulseCheck ED automates clinical documentation and procedure capture
- Injection & Infusion Services module to capture & calculate charges for medication infusions, hydrations, & IV pushes

### Powerful reporting tools

Standard reports include hourly triage activity, turn-around times, order usage, disposition summary and post-care results. Transition to ICD-10 coding helps with charge capture accuracy, and PulseCheck ED 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
- Provides at-a-glance views in dashboards that 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. PulseCheck ED 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 the PulseCheck ED 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

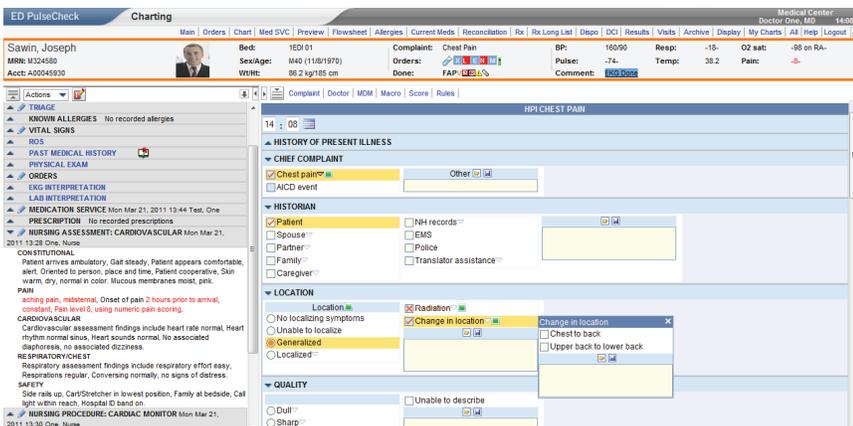
PulseCheck ED's built-in notifications help improve documentation by reminding caregivers of important clinical documentation requirements, such as need for re-evaluation, vital sign range, drug/allergy and drug/drug interaction checks and open order reminders.

### PulseCheck ED Insight

PulseCheck ED 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 PulseCheck ED Insight Rules Processor

The Sullivan Group's Risk Mitigation Module provides PulseCheck ED users with a robust, evidence-based, clinical decision support tool that consolidates all data to match to high-risk cases, helping clinicians consider what is needed as part of their care process.



Quick and easy charting

### **Optimize discharge planning and ease transitions in care**

Care Coordinators are also playing an important role in the emergency department to facilitate the patient's transition in care. To streamline communication, the ED care team can request a care coordinator and view care coordinator assignments on the Tracking Board while also tracking their involvement in each patient's disposition. PulseCheck ED offers care coordinators a dedicated documentation screen that enables documentation visibility across visits from within the patient chart which becomes a permanent part of the patient's electronic medical record.

### **Seamless interoperability with the rest of the hospital**

PulseCheck ED 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 PulseCheck ED from a variety of systems. Hospital and outpatient staff can also view ED patient data within their native applications.

### **Easy to use**

PulseCheck ED 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**

PulseCheck ED 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 Picis User Community site. Picis professional services and certified project managers are experienced in rapid system configuration, which helps provide a smooth, efficient and rapid implementation and quick results.

### **Certified for meaningful use**

This EHR Module has been tested and certified under the InfoGard Certification program and meets the requirements as a Modular EHR system for EHR Certified Technology. This EHR Module is 2015 Edition compliant and has been certified by an ONC-ACB in accordance with the applicable certification criteria adopted by the Secretary of Health and Human Services. This certification does not represent an endorsement by the U.S. Department of Health and Human Services or guarantee the receipt of incentive payments.



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