Computerized Physician Order Entry Designed for Meaningful Physician Use

Order Entry Designed for Physician Workflow
For nearly 40 years, CPOE has been a great idea that practically nobody would use – largely because CPOE has been cumbersome and disruptive for physicians. Yet hospitals must now reconsider deploying computerized order entry functionality to demonstrate Meaningful Use, which requires physician adoption of CPOE. More importantly, hospitals must deploy CPOE that will drive physician adoption to levels beyond what Meaningful Use requires in order to achieve significant and lasting improvements in patient care and efficiency. New and different approaches to order entry are needed to ensure physician adoption, enable rapid implementation, and help hospitals maximize their stimulus incentive payments.

Chief among the many reasons often cited for lack of physician adoption of CPOE is that traditional solutions were designed to support ancillary departments’ workflow rather than physicians’ workflow. Now, with a singular focus on supporting the physician, PatientKeeper® CPOE™ offers a compelling alternative to long underutilized CPOE solutions.

The PatientKeeper CPOE solution presents physicians with easy access to personalized, evidence-based order sets, as well as commonly used daily orders. Flexible alert management allows the hospital to distinguish critical alerts that should interrupt the ordering process from those that should simply inform the physician, without requiring an action or response.

At its core, the goal of PatientKeeper CPOE is to provide technology that physicians will actually use to enter orders. Significantly, PatientKeeper CPOE can be implemented faster and less expensively than other solutions. Rather than “rip and replace” existing systems, PatientKeeper CPOE sits on top of a hospital’s IT infrastructure to route orders to departmental systems.

The Tenets of Successful CPOE
PatientKeeper has reinvented CPOE by offering a highly usable solution that has at its foundation five fundamental design tenets:

- Order sets and “order strings” that reflect the way individual physicians practice medicine – PatientKeeper CPOE can begin with a hospital’s existing standard order sets, third-party evidence based order sets, order sets designed for each physician based on his or her existing practice, or a combination of all these. Physicians can further modify and personalize order sets over time within their normal workflow. As the system collects data on actual ordering practices using PatientKeeper’s Order History Analyzer (OHA), hospitals can incorporate and/or modify order sets as appropriate, creating personalized...
order sets for each physician. By leveraging the OHA, PatientKeeper is also able to build medication order strings from existing ancillary systems – so that physicians see what they are used to seeing from the very first day of use. PatientKeeper turns this labor-intensive and time-consuming process, which can take well over a year of pharmacists’ time, into a time saver rather than an implementation-limiting factor.

- **Features that actually make the ordering process faster and easier** – Because PatientKeeper’s solutions are fully integrated, physicians can seamlessly place orders from within any workflow, where it’s most convenient and clinically relevant. For example, a physician reviewing a lab result can easily re-order that lab right from the result – without having to copy down the lab value, return to a “main screen,” and then access a separate order module. PatientKeeper CPOE supports advanced features like clinical decision support at the point of order entry, such as drug-drug, drug-allergy and duplicate therapy checking. PatientKeeper CPOE also supports configurable alerts, so that only the most critical interrupt the order workflow, while others are intelligently presented for the physician’s review and consideration.

- **Enables anytime/anywhere order entry** – PatientKeeper offers complementary Web-based CPOE and Mobile CPOE solutions, so physicians have the option of using a workstation, smartphone or tablet to quickly and easily enter orders. The more accessible CPOE is, the more physicians will use it.

- **Back-end system flexibility and versatility** – PatientKeeper CPOE works for hospitals anywhere along the “all paper” to “all electronic” order entry spectrum by providing a practical way to immediately implement – or incrementally evolve toward – a full CPOE process from any starting point. Furthermore, because PatientKeeper is an overlay that exists on top of your departmental systems, you can determine how and where to roll out the system rather than waiting for new or replacement back-end systems to be ready. As a result of this versatility, PatientKeeper CPOE is the fastest way to achieve Meaningful Use.

- **Leverages existing hospital IT investments** – PatientKeeper CPOE exists as a layer on top of a hospital’s current IT infrastructure and routes orders to existing departmental systems for processing and fulfillment. PatientKeeper’s unique architecture means hospitals do not have to rip out and replace current systems. This approach saves hospitals a tremendous amount of time, effort and expense while making Meaningful Use achievable within as little as six months.

**An Ideal Extension for Healthcare IT**

PatientKeeper CPOE allows healthcare institutions to streamline the ordering process without disrupting their existing IT infrastructure. PatientKeeper provides a powerful integrated suite of workflow applications that support physicians by providing them access to clinical results aggregated across the continuum, and tools to enter orders electronically, document patient encounters, prescribe medications, and much more. In addition, PatientKeeper CPOE can be extended to mobile devices – such as smartphones and tablets – by deploying **PatientKeeper Mobile CPOE™**, which also complements desktop CPOE systems from other vendors and can be integrated with all popular HIS back-end systems.