

CPOE Accelerates Operational, Financial and Clinical Gains

Improving Patient Outcomes

We are seeing improvements in clinical outcomes and a reduction in operational resource requirements.

Medication Error Reduction: Our CPOE system intercepts an average of eight to nine possible medication errors per day. While these potential errors would have been caught downstream by pharmacists, nurses or other ancillary department clinicians, the fact that they are mitigated before being submitted is estimated to save the hospital an estimated \$283,000 in avoided costs.

Medication Delivery Time Reduction: The turnaround time between routine medication order placement and pharmacy verification was reduced by 50% from 73 minutes to 37 minutes.

Lab Result Time Reduction: CPOE enabled us to reduce the turnaround time for STAT troponin labs by 45%. Order placement-to-result availability averages 37 minutes down from 56 minutes, which is especially important in new myocardial infarctions when "time is muscle."

Joint Commission/CMS Compliance: 100% of orders submitted through CPOE met the regulatory requirements that orders be timed and dated. This reflects a 66% increase over the 34% rate for paper-based orders.

Callback Reduction: CPOE's decision support helps us eliminate close to 600 pharmacy callbacks each month. With callbacks lasting an average of three minutes each, physicians and pharmacists now spend about 30 hours less per month on the phone clarifying orders.

Continuing the Journey

At Providence, we believe CPOE will become integral to your day-to-day operations. This summer, we'll bring our second hospital live, followed by another in May 2009. We have also upgraded capabilities in Providence Portland Medical Center's new patient care and research tower, including a state-of-the-art OR and PACU (Post-Anesthesia Care Unit) that enables enhanced surgical adoption and implementation of CPOE.

Dr. Stuart Morgan has been a hospitalist at Providence Portland Medical Center (PPMC) since 1999 and acted as Hospitalist Medical Director from 2001-2006. He has acted as the ProvExpert Medical Director since 2005. Dr. Morgan chairs the PPMC Order Set Council and is a member of the Regional Standardized Order Set Committee

Learn More

[Physicians Get Help in Safe Prescribing](#)

[HIMSS: Designing Inherent Safety into Medication Order Entry Systems](#)

[The Physician-Computer Conundrum: Get Over It!](#)