Computerized Provider Order Entry (CPOE)
Key Features and Benefits

This guide is intended to provide an overview of **Computerized Provider Order Entry (CPOE)** within the OPOR Clinical Information System (OPOR-CIS)—its benefits and some key functionality highlights are described.

What is Computerized Provider Order Entry?

Computerized Provider Order Entry (CPOE) enables physicians and providers to **electronically view, place, and manage orders.** This means orders that are currently written on paper, will now be electronically entered by the provider in the OPOR-CIS, and flow directly to the appropriate services and individuals for actioning. There are several efficient ways to place orders in the OPOR-CIS. Regardless of how they are placed, all orders and their status will be visible for tracking purposes. Orders entered via CPOE flow directly to services and clinicians supporting patient care.

What are the *clinical* benefits of CPOE?

Automation of the order entry process and enhanced decision support for health care providers
provides numerous clinical benefits for patients and the healthcare system as a whole:
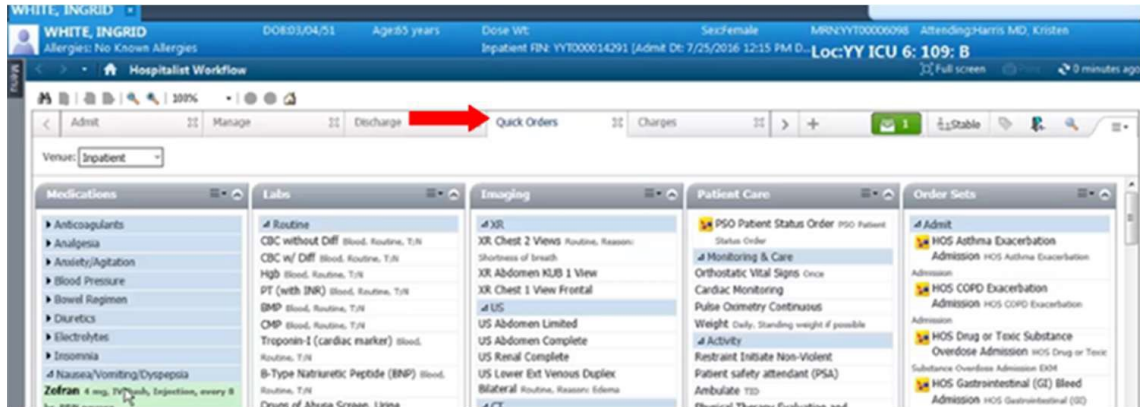
- **Reduced Medication Errors and Adverse Drug Events**: legible orders that do not require transcription or re-entry increases the accuracy of the orders and reduces medication errors.
- **Reduction in Duplicate Testing**: Potential risks of redundant and duplicate testing is minimized as providers now have a comprehensive view of the patient's medical history and recent care, which also has a cost savings.
- **Enhanced Tracking and Reporting on Patient Safety outcomes:** With CPOE, NSH and IWK Health will be able to monitor and analyze data related to patient safety. Patterns and trends can be detected and targeted interventions implemented to improve patient safety.
- **Increased Speed of Care Delivery:** Having timely access to patient information allows all clinicians to quickly review a patient's medical history, including medications, diagnoses, and laboratory results, ensuring that the most up-to-date information is considered when making treatment decisions.

What are the *efficiency* benefits of CPOE?

Orders at your fingertips: Orders are available in several areas in the OPOR-CIS to support efficient ordering.
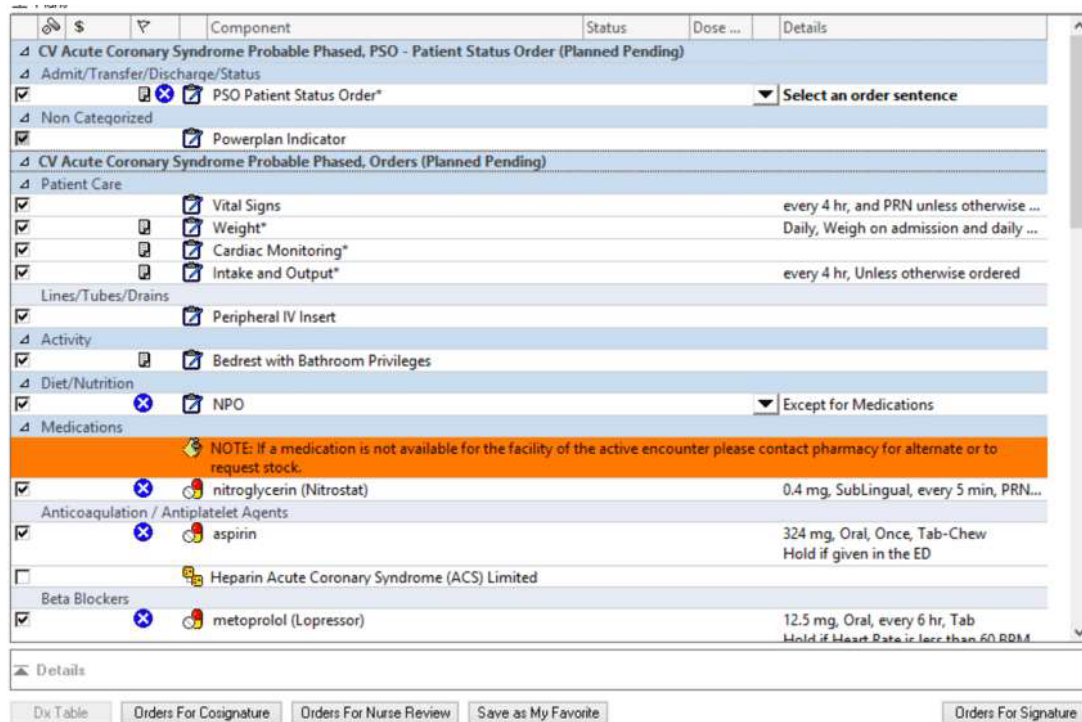
Quick Orders Catalogues: commonly used orders for care areas are already prepopulated in your Quick Orders.
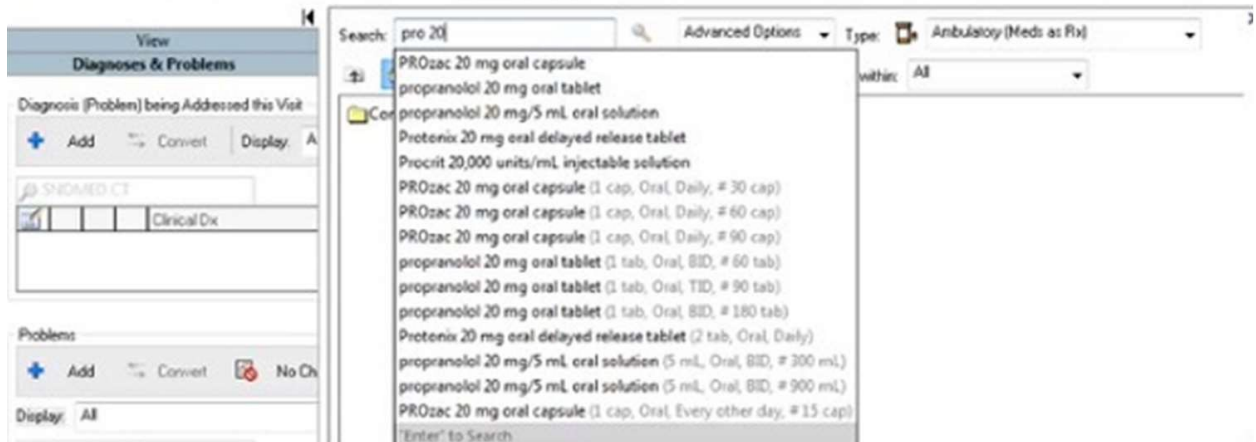
Order Sets: predefined group of orders and tasks, commonly used for a specific condition, procedure, or clinical scenario, presented electronically in one place.

Ad hoc order catalogue with filtering options for age, presents orders based on smart search. Allows providers to adjust aspects of the orders, but common doses and frequencies are pre-populated.
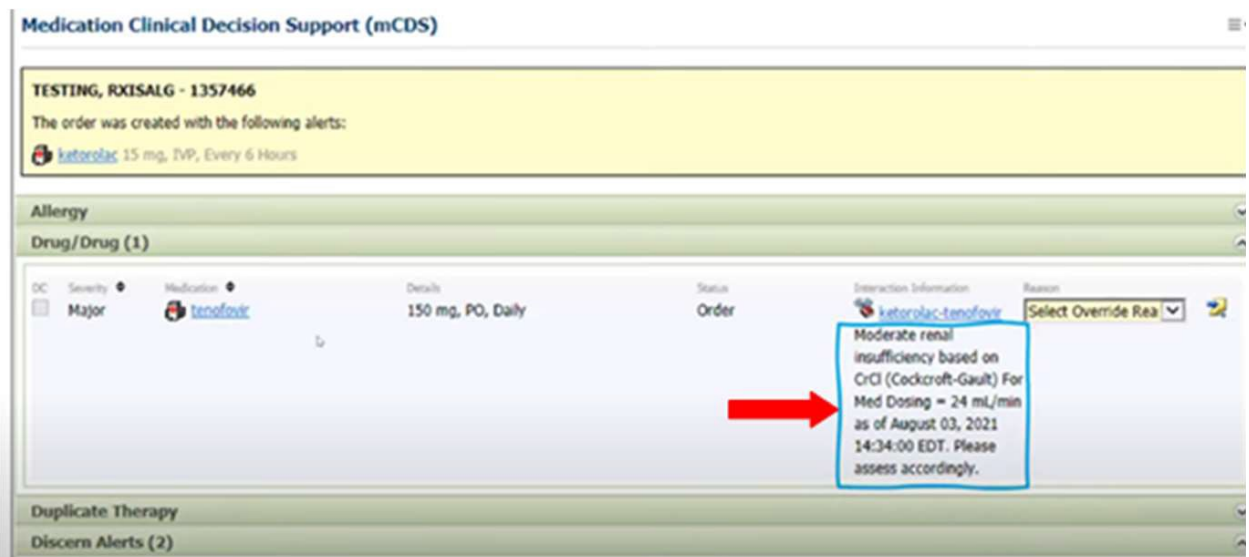
Direct communication of orders: Orders placed via CPOE flow directly to nursing, pharmacy, laboratory services, diagnostic imaging, nutrition services, etc.—no longer requiring transcription, faxing and other inefficient and error-prone methods.
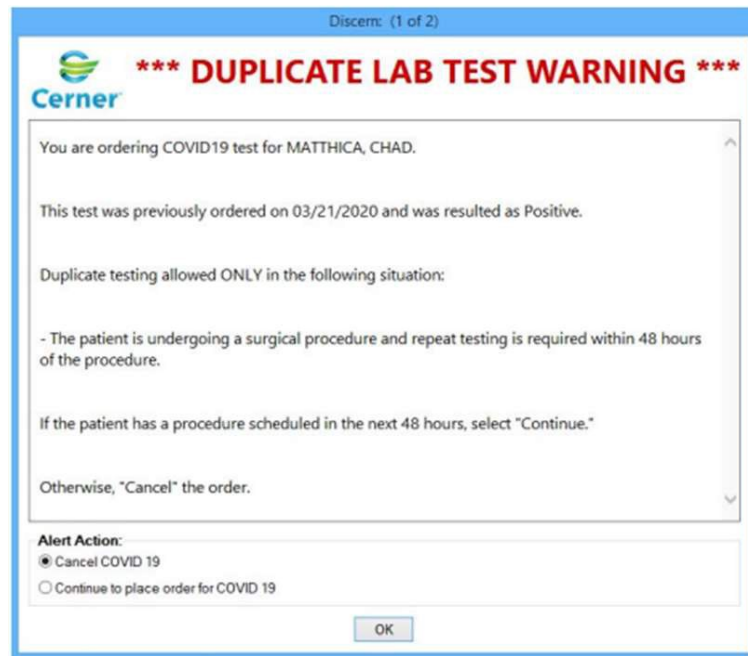
Clinical Decision Support: enhance your clinical decision-making with CPOE-facilitated Clinical
Decision Support

- Medication orders are automatically screened for allergies, duplicates, contraindications, and interactions:

- Reduce redundant labs and diagnostics with intentional alerting of duplicates recently placed or resulted:

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Automatically populate clinical notes with orders placed in the OPOR-CIS: Orders that have been placed for a patient can be automatically populated into clinical documentation with ease.

View a patients' orders, placed by CPOE, all in one place: Providers and clinicians can view all orders in one area, organized by type. The status of each order is clearly indicated, and additional details are available for each order, upon selection.

Looking to find more information on Computerized Provider Order Entry?

Demonstration videos are available on the **opor.nshealth.ca** website.

Please contact CMIO@nshealth.ca for any questions about Computerized Provider Order Entry and **how you can be part of this process to ensure it meets your clinical needs**.

While this guide provides a brief overview, the **OPOR Education and Learning** team will prepare you with detailed content and experience leading up to the CIS implementation.

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