

The Big Picture: How the OPOR-CIS will Impact Care Delivery for Pediatric Oncology

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The following document is intended to provide information on the OPOR-CIS. It will detail how its implementation will impact the delivery of patient care for pediatric oncologists.

Introduction to the OPOR-CIS Program

One Person One Record (OPOR) is a **multi-year program designed to transform the way we use and share health information in Nova Scotia**. A key aspect of the program is the implementation of a **Clinical Information System (OPOR-CIS)** that will see all NSH and IWK Health facilities transitioning to delivering care within a **single electronic platform—** this means full electronic charting and documentation (supported by front-end dictation), computerized order entry for all orders, biomedical device integration, and inter and intra hospital and care provider communication.

With your participation, the implementation of the OPOR-CIS has the potential to be the most transformative initiative you may see in your medical career.

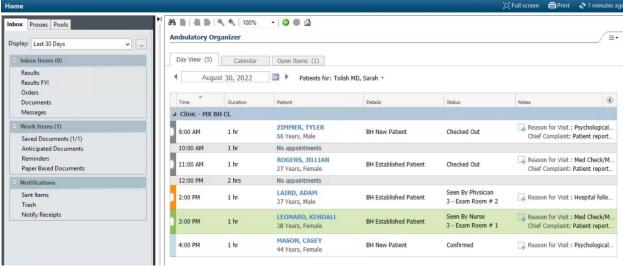
The OPOR-CIS is being developed with engagement from providers, clinicians, and nonclinical healthcare employees who are experts across the province. These experts are participating in Design Sprint Workshops where our vendor, Oracle Health, demonstrates the system and content, obtains feedback and then validates decisions in real-time for their care areas.

Broader or more impactful decisions about the OPOR-CIS are made via provincial governance groups, with voting members from NSH and IWK Health. which have been meeting regularly for over a year. All decisions are tracked, discussed and escalated through these well-defined working groups until a resolution is reached. For more information on clinical governance for the OPOR-CIS, please see: OPOR-CIS Clinical Governance.

Starting Your Day: In Clinic

You are starting your first shift on the unit with the new OPOR-CIS. After logging in to PowerChart, you are presented the **Ambulatory Organizer** as the home page, exemplified below.





Ambulatory Organizer: Copyright © 2023, Oracle. Used under license and/or permission.

The Ambulatory Organizer demonstrates your daily schedule and can be used to determine your future schedules as well. Each appointment includes details on the time, duration, patient, status, and some clinical details such as the reason for visit. To view the full data of a patient, you may simply click on their name, typed in the color blue.

Starting Your Day: Inpatient Consults

When providing a consultation for inpatients, the multi-purpose Patient Overview (previously referred to as the Provider Handoff Tool) becomes an invaluable resource for tracking your inpatients and their status, as exemplified in the example below. It is key to note that the patients presented are based on the Patient List selected. It is key to note that the patients presented depend on the Patient List selected. These Patient Lists are generated based on location, medical service, or your relationship to the patient. You can also create and maintain a list manually, by adding and removing patients as needed. Once you select the desired patient list, a page such as the following appears.





Patient Overview: Copyright © 2023, Oracle. Used under license and/or permission.

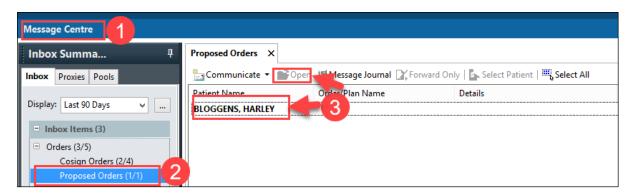
Patient Overview lists provide you with a snapshot of your patients' status and pertinent clinical information to help you manage your work. The columns within the Patient Overview section can be adjusted based on your preference and display information such as your patients Illness Severity, Diagnoses, Problems and New Results. The Patient Overview can also serve as a useful tool for provider-to-provider handoff.

You can access the patient's chart by clicking on their blue-typed name. Viewing their chart data through these lists, as opposed to searching ad hoc, minimizes the likelihood of selecting the wrong Encounter. **The importance of choosing the right encounter cannot be overstated**—all things stem from the right encounter choice! For example, placing a medication order on an ambulatory encounter in error could result in your patient not receiving essential therapy during their inpatient stay.

You may also be alerted to patients requiring your care via Consult Orders and through **Hand Over (I-PASS).** In an academic center, you may touch base with the residents to plan for the day and assign patients to residents.

Interacting with Your Message Center

Upon reviewing your ongoing patients and/or daily schedule, the **Message Center** is your next stop. This is the tool within the OPOR-CIS that enables secure messaging and communication between healthcare professionals. Message Center is part of the legal medical record and messages should pertain to patientcare.



Message Center: Copyright © 2023, Oracle. Used under license and/or permission.

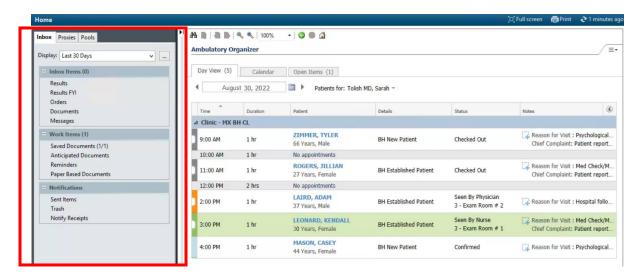
Within Message Center (1) you will be able to review notes and orders (2) that have been forwarded to you for co-signature, notes/documentation sent for review and other communications from other providers or clinicians. Open by highlighting the patient and click open (3) or double-click on the patient's name to open. You will also be able to see



notes you may have begun, but not yet signed, which will assist in ensuring completed documentation for your patients.

Check back regularly during your shift for messages which may require action on your part.

A summary of notifications from Message Center can also be found on the left hand side of the home page, besides the Ambulatory Organizer, as shown below.



Notifications: Copyright © 2023, Oracle. Used under license and/or permission.

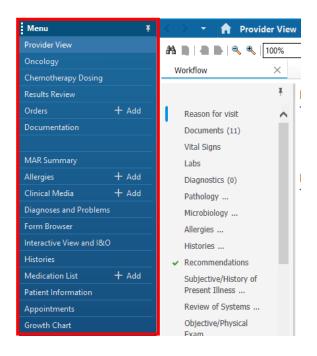
For more information on Message Center within the OPOR-CIS: <u>OPOR-CIS Message</u> Center.

Viewing Patient Data & Results

Results Review, Clinical Documentation and CPOE

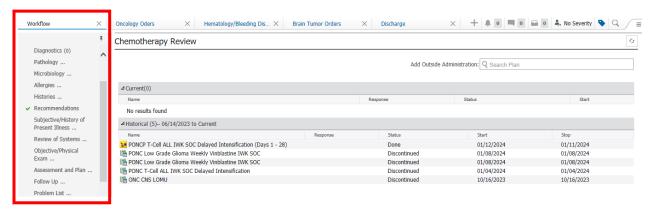
By clicking on your patient's name within Patient Overview in the **Patient Overview** (formerly referred to as Provider Handoff), you can navigate directly to the patient's chart. Upon clicking on the patient's name, you will be brought to the page shown in the following image.





PowerChart Menu: Copyright © 2023, Oracle. Used under license and/or permission.

Selecting "Provider View", you will find an electronic version of all information found in a current state paper chart, as well as results you would seek out on other electronic platforms in current state. You may place orders, view results and read documentation, all from this main landing page. Various parts of the chart can be selected on the left side panel demonstrated in the image below. Specific workflows such as Discharge or orders, such as Brain Tumor Orders, are captured within unique tabs, following your patient throughout their visit. Quick Orders pages are also available, enhancing the efficiency and safety of CPOE.



Navigating PowerChart: Copyright © 2023, Oracle. Used under license and/or permission.

For more information on Results Review within the OPOR-CIS: OPOR-CIS Results Review.



Clinical Documentation

Efficient documentation is a focus of the CIS and several features can be leveraged to save patient and provider time. To document, you can select options from the left menu in the Provider View to document the "Subjective History of Present Illness", "Review of Systems", and other clinical information. At the bottom of the left menu, you will find options for documenting notes, such as the "Pediatric Oncology Progress Note", as seen in the image below.



Documenting Notes: Copyright © 2023, Oracle. Used under license and/or permission.

Documentation (including Admission Notes, Progress Notes, Discharge Notes and all other key pieces of documentation) in the OPOR-CIS, will be standardized into legible, logical **templates** that can be leveraged across many care areas. These templates allow our providers to easily pull in information already captured in the patient's chart by using efficiency-boosters such as **Auto text**.



Autotext: Copyright © 2023, Oracle. Used under license and/or permission.

In the example above, typing and selecting ".PEComplete" (boxed in the example below) will automatically populate a template for a complete physical exam and the relevant data for your patient, with dropdowns enabling you to adjust the content. **These**



templates are editable for personalization, further explained in the following document: <u>Autotext & SMART Templates</u>

The system will also **automatically populate information** such as HPI, Active and Chronic Problems, Procedures, Allergies or Medications into the relevant sections of your notes, minimizing the need to type or dictate this information ad hoc. This process saves time and is a more efficient method of documenting notes.

You can also **leverage well-written content found in other clinician's notes**. For example, if a consulting provider laid out a comprehensive A&P, you can copy and paste this into your Progress Note, automatically denoted with a superscript, to preserve the integrity of the documentation.

The OPOR-CIS is also fully supported by **Dragon Medical One** dictation software, which can also be available on your mobile device (Dragon Mic Mobile).

Draft notes can be saved and returned to at a later point in time—this will also display in your Message Center under your In Progress notes. Once documentation is complete, you click Sign, allowing in to be immediately available within the patient's medical record. It may be forwarded to other members of the care team (primary care physician, specialist, etc.)

For more information on Documentation in the OPOR-CIS: OPOR-CIS Documentation.

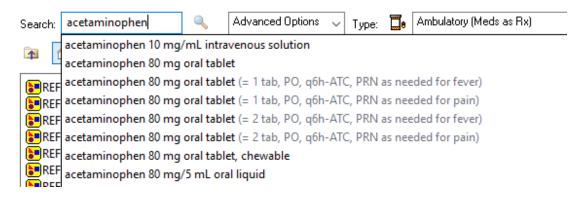
Order Placement

As part of your daily delivery of care, you will place all orders electronically via Computerized Provider Order Entry (CPOE). This means orders that are currently written on paper will now be electronically entered by you within the OPOR-CIS, and flow directly to the appropriate services and individuals for actioning. For example, a placed order will directly enter the dedicated nurse's dashboard. The transition to CPOE means orders no longer require transcription, faxing and other inefficient and error-prone methods.

There are several efficient ways to place orders in the OPOR-CIS including **Quick Orders** pages and **Order Sets (also known as Powerplans in the OPOR-CIS)**. You also have the option to manually search an order however, it is the least efficient method. Regardless of the tool used, all orderable items are accompanied by an **Order Sentence containing key details such as medication dosage, route of administration, and frequency.** Many orderable items have multiple possible order sentences. In the example below, we are

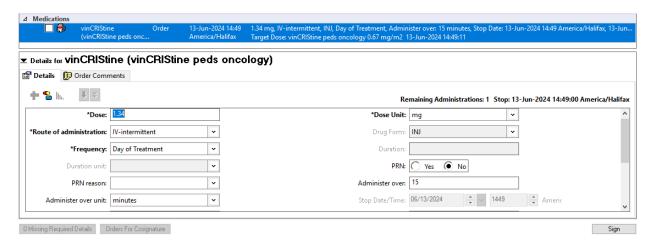


manually searching an order and we can see that there are several order sentences possible for acetaminophen.



Order Sentences: Copyright © 2023, Oracle. Used under license and/or permission.

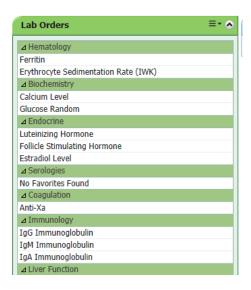
Upon selecting an order sentence, the CIS will prompt you to review administration details and will allow you to modify the order sentence, as shown in the image below.



Order Details: Copyright © 2023, Oracle. Used under license and/or permission.

Quick Orders contain the most common orders used within your area of clinical practice. The orders are categorized into folders such as Medication or Diagnostic Imaging, to enhance user navigation. They are also accompanied by order sentences, as shown in the example below. Using these pages will enable a faster order placement workflow and can be customized for your practice. A sample of oncology lab orders one might find in the Quick Orders page is shown below.





Quick Orders: Copyright © 2023, Oracle. Used under license and/or permission.

For more information on Quick Orders in the OPOR-CIS: OPOR-CIS Quick Orders.

Finally, the OPOR-CIS will come with electronic Order Sets to support care delivery across the province. Order Sets contain a predefined group of orders and tasks, commonly used for a specific condition, procedure, or clinical scenario. For example, you may place order sets such Inpatient Dexamethasone or Moderate Emetogenic Antiemetics (MEC), in addition to other individual therapies including evidence-based content such as medications, care instructions, laboratory, diagnostic imaging, diets, etc.

Current state paper Order Sets (also known as pre-printed orders or PPOs) in use across the province which are already updated and standardized are being leveraged to develop content in the OPOR-CIS. In collaboration with experts in your field across the province, all Order Sets are being closely reviewed to **ensure the content aligns with recent guidelines and will support evidence-based care deliver across the province**. Order sets from other jurisdictions have also been evaluated for potential benefit and inclusion.

Ordering within the OPOR-CIS with significantly improve efficiencies – reducing chase time for and a manual completion of forms – as well as allowing for ordering remotely and being able to track and monitor any new information or requests made by other providers.

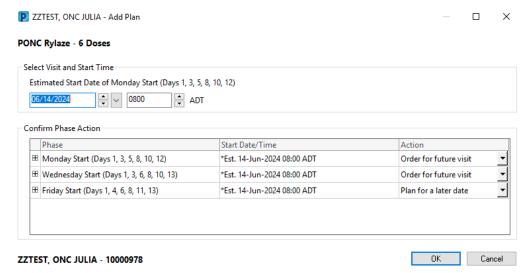
Most of the **Order Sets are named with standardized prefixes** (example: RESP, CARD, PED). Orders within an Order Set are bundled by category, for example Activity, Vital Signs, Patient Care, followed by Medication, Laboratory, etc. Most frequently ordered items are at the top of their order category, and orders that are required or very



commonly ordered are often pre-checked, reducing the need for multiple clicks. All Order Sets share an icon, as shown in the example below.

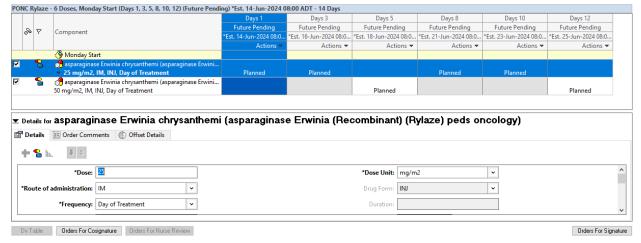
Example of Order Set (PowerPlan): Copyright © 2023, Oracle. Used under license and/or permission.

In the OPOR-CIS, multi-phase orders will prompt you to review and define the phases, as shown below. The various actions associated with each phase can be found by clicking on the arrow indicated. Once the phases are determined, press the OK button.



Phases in an Oncology Order Set: Copyright © 2023, Oracle. Used under license and/or permission.

As with any order, you can modify orders within the order set, as shown below.



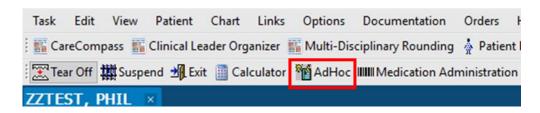
Order Set Modification: Copyright @ 2023, Oracle. Used under license and/or permission.



For more information on Order Sets in the OPOR-CIS: <u>Order Sets Key Features & Benefits</u> in the CIS

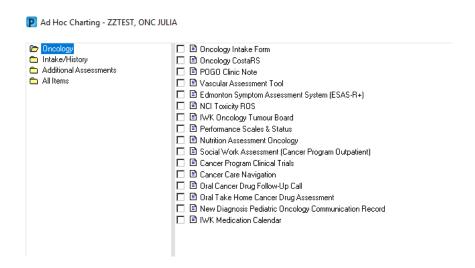
Accessing Forms

PowerForms are electronic forms aiming to minimize the need for typing data to facilitate efficiency and enabling the use of discrete data points. All forms on the CIS will be a PowerForm. While PowerForms will be most relevant to charting clinicians, providers should be aware of their digitized solution. To search for a PowerForm, click on the "AdHoc" button on the top banner, shown below.



Ad-Hoc Form Search: Copyright © 2023, Oracle. Used under license and/or permission.

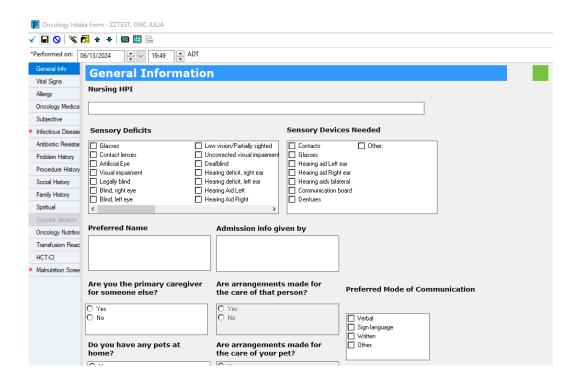
A list of PowerForms will appear as demonstrated. Please note that the following forms are merely examples and may not reflect the final PowerForms used.



Selecting PowerForms: Copyright © 2023, Oracle. Used under license and/or permission.

Upon selecting the appropriate PowerForm, the form will automatically open. In the example below, the nurse wishes to complete an intake form for the patient.





Completing a PowerForm: Copyright © 2023, Oracle. Used under license and/or permission. Please note that this is only an example and may not reflect the future-state form.

Forms can also be accessed when reviewing the patient's chart in the "Forms" section of PowerChart below. To open the pop-up window listing the PowerForms, click on the plus sign indicated below. Once the form is complete, this section will be updated and reflect that data.



Selecting PowerForms from Chart: Copyright © 2023, Oracle. Used under license and/or permission.

Clinical Decision Support Tools

Inherent to the OPOR-CIS is **Clinical Decision Support**. For example, when you order Medication orders, they are automatically screened for allergies, duplicates, contraindications, and interactions. While **Clinical Decision Support** is a useful tool to reduce medical errors, the goal is also not to create too many alerts that cause alert fatigue.



For more information on Clinical Support for Medications: <u>OPOR-CIS: Medications</u> <u>Related Clinical Decision Support.</u>

We Are Here to Support You

If you've reached this point in this document, you have likely grasped that the implementation of a CIS is a major transformational initiative. It involves a commitment from leaders and clinicians at all levels to successfully adopt the system and achieve the significant benefits of that adoption. Change is challenging. The OPOR team is committed to supporting you through it. **Education and Learning** and **At the Elbow Support** during go live will ensure that you are prepared and supported. While this guide provided a brief overview, the **OPOR Education and Learning team** will prepare you with detailed content and experience leading up to the CIS implementation.

For more information on the Education and Learning Strategy: <u>Education & Learning</u> <u>Strategy</u>

For Additional Information on Pediatric Oncology within the OPOR-CIS:

To view video demonstrations of the test OPOR-CIS domain, click on the following link.

The OPOR website also hosts a plethora of guides on the functionalities offered by the future-state OPOR-CIS, linked <u>here</u>.

Please contact CMIO@nshealth.ca for any questions about the OPOR-CIS and how you can be part of this process to ensure it meets your clinical needs.

(June 2024)



Appendix A: Glossary of Terms

At-The-Elbow (ATE)	At-The-Elbow (ATE) support during the OPOR-CIS Go-Live events refers to the direct, on-site assistance provided by software consultants to healthcare employees as they navigate and use the new system in real time. This hands-on support is crucial for addressing immediate questions, solving problems as they arise, and ensuring a smooth transition to the new system, minimizing disruptions to patient care. ATE support teams work closely with healthcare professionals, offering targeted training, workflow integration guidance, and immediate issue resolution to
	foster confidence and competency in the new CIS environment.
Cerner Canadian Reference Model	The CCRM acts as a starting point of recommendations, workflows, and best practices.
(CCRM)	
Clinical Decision	Provides healthcare providers with real-time, evidence-based
Support	guidance to enhance patient care. Integrates with the electronic health records, offering suggestions for diagnoses and treatment plans based on the latest clinical guidelines and patient-specific information, thus supporting more informed and effective decision-making.
Computerized	The process of providers entering and sending treatment
Provider Order Entry (CPOE)	instructions including medication, laboratory, and radiology orders via a computer application rather than paper, fax, or telephone.
Dynamic	Automates the creation of a clinical note relating to care
Documentation	delivery. The note aggregates chart information from clinical documentation entered using a variety of methods to meet the needs of physicians in varied care settings.
Interactive View & I/O (iView)	A menu item in the patient chart used by nurses, allied health and other healthcare providers that supports flowsheet-style documentation for vitals, measurements, ins/outs, assessments, etc. The data entered in iView allows for trending and comparison.



OPOR-Clinical	Computer program designed to collect, store, manipulate
Information System	and share information in the healthcare delivery process.
(CIS)	Components: electronic documentation, dictation and
	speech recognition, computerized order entry, clinical
	decision support, NSH & IWK Health Network clinical
	information access, and closed loop medication
	management
PowerChart	PowerChart is highly interactive and designed to address the
	needs of care providers and medical staff. It streamlines the
	workflow process into one desktop application, which
	provides access to the functions that support the Electronic
	Health Record (EHR). Use PowerChart as a tool to access
	patient lists, view pertinent patient information such as
	demographics and results, and perform functions that
	support clinical practices such as entering clinical
	documents. There are two main views: Organizer and Patient
	Chart.
PowerForms	The electronic equivalent of standardized documentation in
	the OPOR-CIS.
PowerPlans	Electronic order sets in the OPOR-CIS.
Quick Orders	The Quick Orders tab presents the most common orders and
	order sets used within your area of clinical practice. This
	enables a faster order placement workflow and can be
	customized for your practice.

Appendix B: Helpful Links

- Care Coordination Centre (C3)
- OPOR-CIS BPMH and Medications Reconciliation
- OPOR-CIS Message Center
- OPOR | One Person One Record (nshealth.ca)
- OPOR-CIS Clinical Governance
- OPOR-CIS Documentation
- OPOR-CIS Results Review
- OPOR-CIS CPOE Key Features and Benefits
- OPOR-CIS Quick Orders
- ReferralsNS Nova Scotia eReferral Resource Hub
- YourHealthNS