

INTRODUCTION TO THE ELECTRONIC MEDICAL RECORD (EMR)

Nursing Informatics - August 2023



Course Objectives

Purpose:

The purpose of this tutorial is to provide you with a high-level overview of the key features of Cerner Applications

In this presentation you will learn how to:

- Log in and out of Cerner Applications
- Maintain security while logged in
- Locate and open a patient's chart within Cerner Applications
- View patient information within the chart

Course Contents

Lesson One:
*Introduction to Cerner
Applications*

Lesson Two:
Accessing Patient Records

Lesson Three:
Viewing the Patient's Chart



LESSON ONE: INTRODUCTION TO CERNER APPLICATIONS

Lesson One: Introduction to Cerner Applications

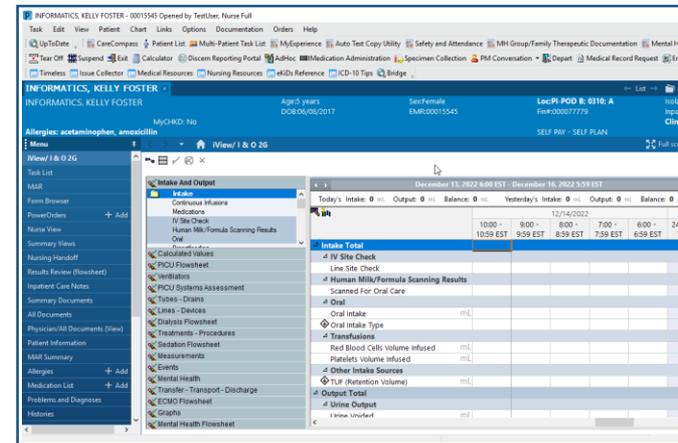
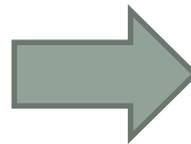
To begin, let's discuss some terms that you should become familiar with:

- Electronic Medical Record (EMR)
- Eclipsys
- Epic
- Cerner Applications
- Security



Lesson One: Introduction to Cerner Applications

An **Electronic Medical Record (EMR)** is a computerized version of a patient's physical chart.



Data such as orders, results, radiology images, and notes can be stored in an EMR.

Lesson One: Cerner Applications

When a patient arrives at a CHKD facility, they are registered in one of our Patient Management Systems, **Eclipsys** or **Epic**, to create an EMR.

The patient's EMR can then be accessed through various **Cerner Applications**, such as **PowerChart** and **FirstNet**.



Powerchart

PowerChart is used in most Inpatient and Ambulatory areas



Firstnet

FirstNet is used in the Emergency Department and Urgent Care Centers



Powerchart OR

PowerChart OR is used in Perioperative areas

Epic-Eclipsys-Cerner Application Interface

Eclipsys is CHKD's Inpatient Management system and is used to maintain **admission, discharge, and transfer** transactions. This includes Radiology, Laboratory, billing transactions, etc.



A patient must be previously registered or admitted via Eclipsys or Epic in order to generate an Electronic Medical Record in Cerner Applications

Epic is CHKDHS's Physician Practice Management system and is used for physician office and some outpatient hospital registrations, appointments, and billing transactions.

Patients for whom no Eclipsys or Epic registration records have been created will not be available from within Cerner Applications.

Lesson One: Introduction to Cerner Applications

Cerner Applications provide the capability to view visit information, view results, enter orders and medications, etc.

Cerner Applications are flexible, allowing **PowerChart**, **FirstNet**, **Eclipsys**, and **Epic** to interact with each other.

Inpatient and outpatient data is visible with Cerner Applications.



Lesson One: Introduction to Cerner Applications

To access Cerner Applications, you will need to enter your **Username** and **Password**. Your login information serves as your electronic signature and tracks your activity as you access records in our systems.



Security & Password Considerations

The **FIRST TIME** you log in, enter your username and password. You will then be prompted to change your password. Passwords are an important aspect of computer security. A poorly chosen password may result in the compromise of the entire corporate network.

- A unique password is required for all accounts
- Minimum Length - 8 characters recommended
 - Upper case characters (A-Z)
 - Lower case characters (a-z)
 - Digits (0-9)
- When changing passwords again later, the user should not re-use prior passwords

Never write your password down.

Never share your password with anyone!

Cerner Application Access Features

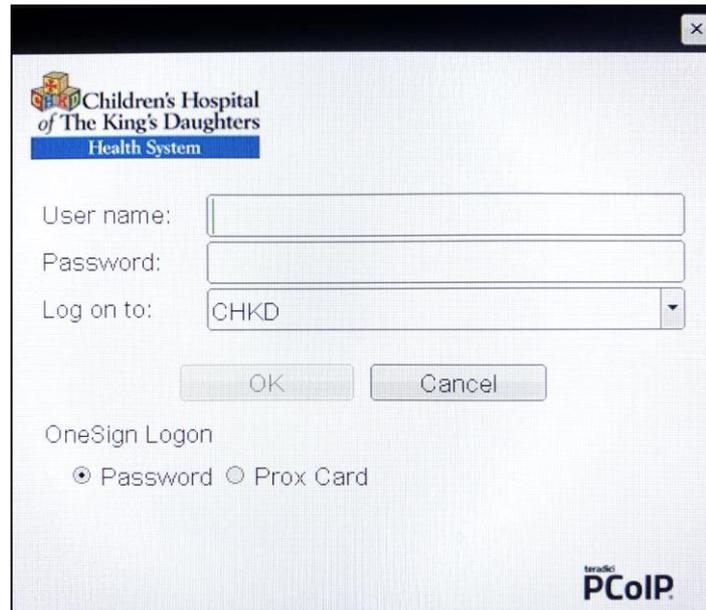
Depending on the workstation, Cerner Applications can be accessed in the following ways:

1. Zero Client
2. Virtual Desktop (VMware)
3. Citrix



Using The Zero Client

The Zero Client appears in most Nursing Stations and patient rooms as a standalone monitor, mouse, and a keyboard. There is not a separate hard drive device with Zero Clients because they communicate with the server when you log in.



Children's Hospital
of The King's Daughters
Health System

User name:

Password:

Log on to:

OK Cancel

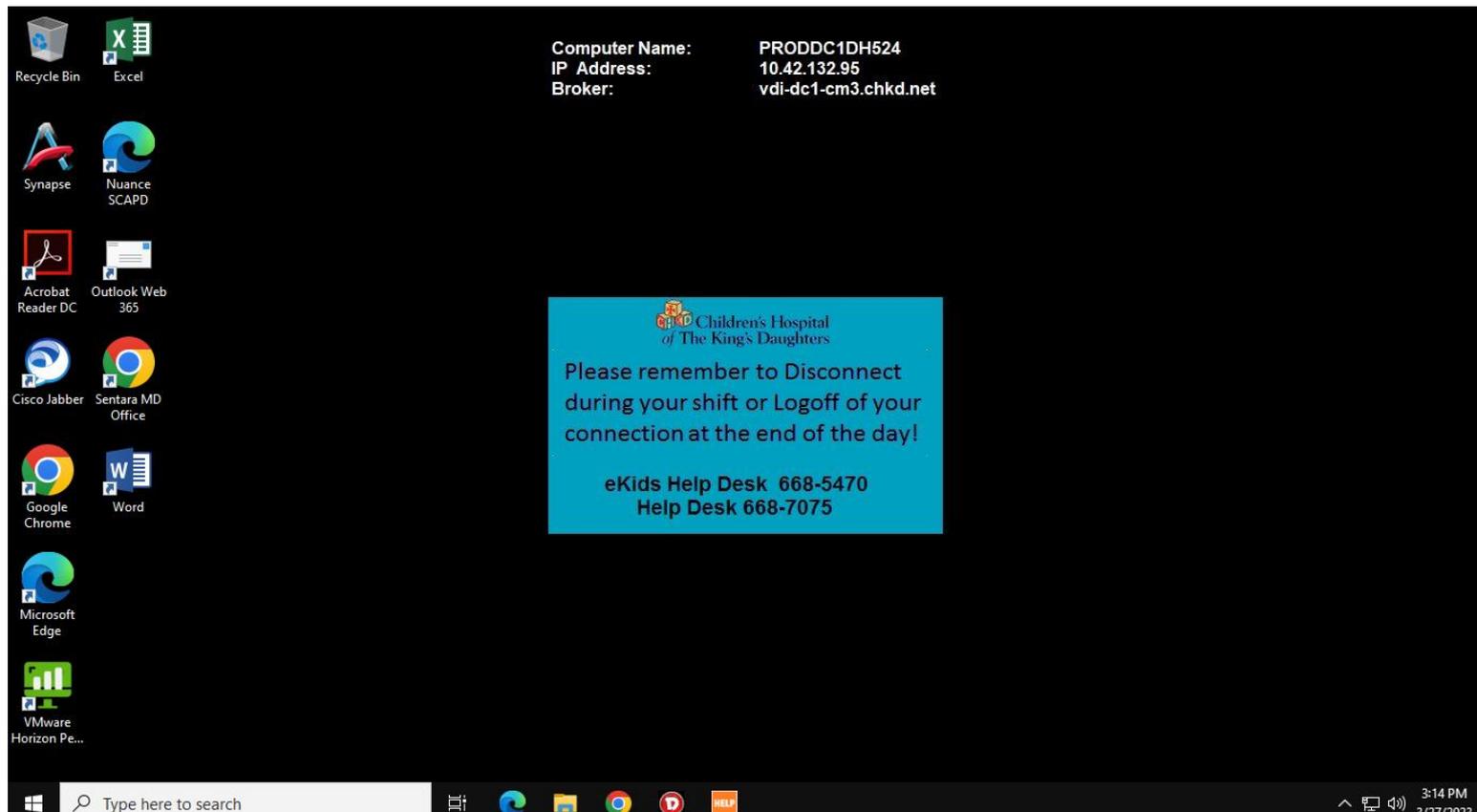
OneSign Logon
 Password Prox Card

PCoIP

When powered up, the login screen appears for you to enter your username and password.

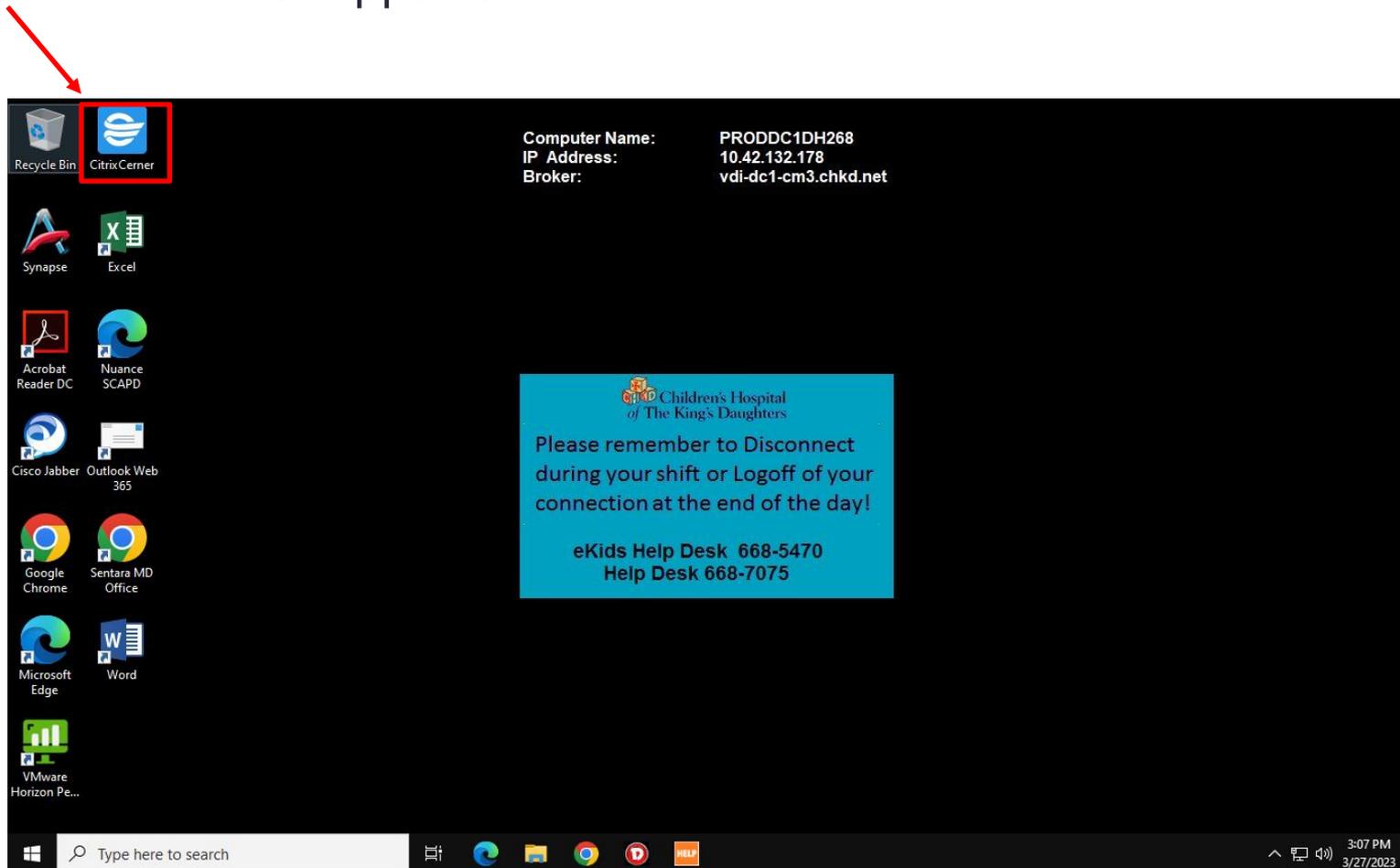
Using The Zero Client

After entering your username & password, this desktop will appear (on the initial login for the day it will take approximately two minutes for the Zero Client to load; subsequent logins for the day will only take a few seconds).



Using The Zero Client

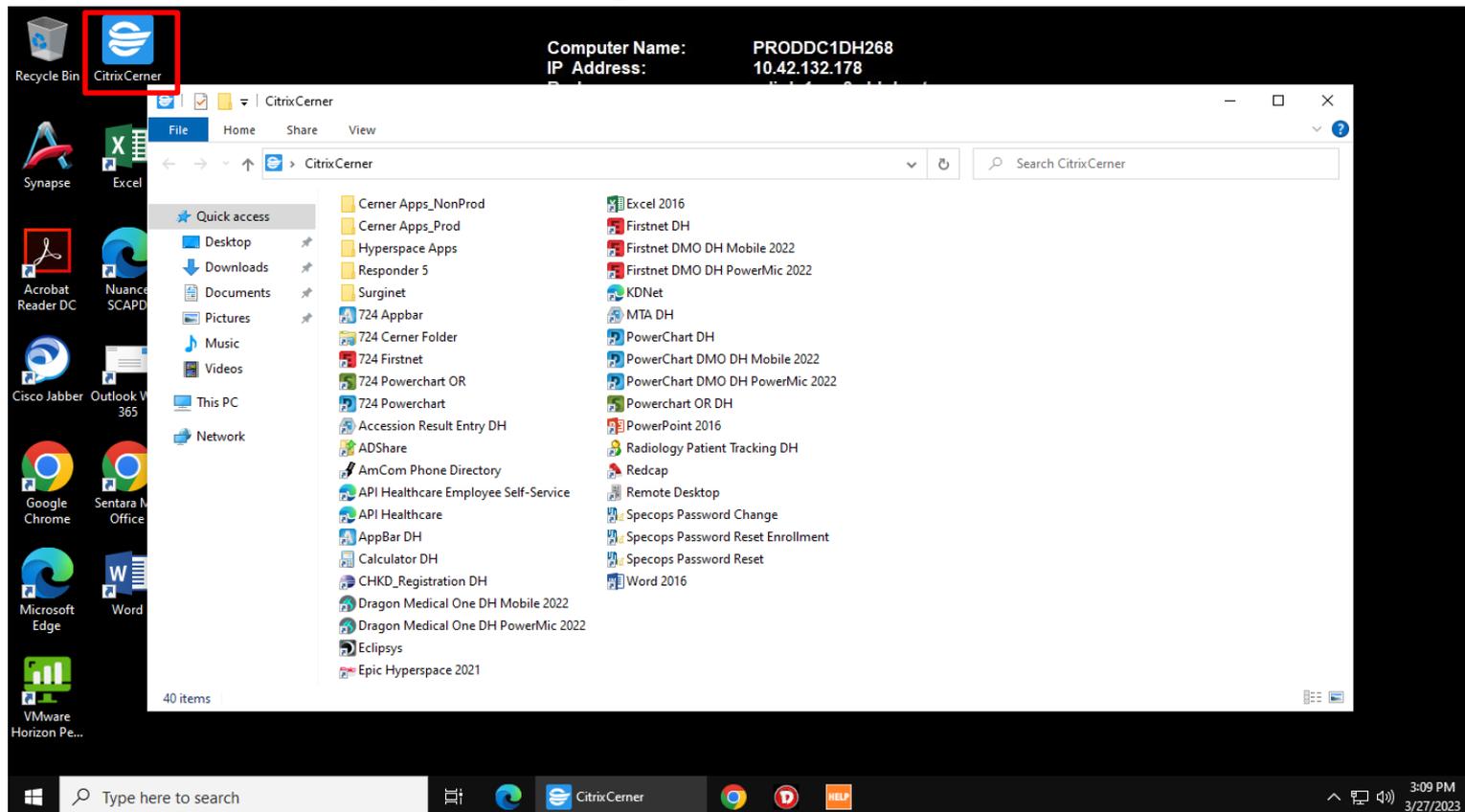
Once the initial desktop appears, it will take another 30 seconds for the CitrixCerner icon to appear.



Using The Zero Client

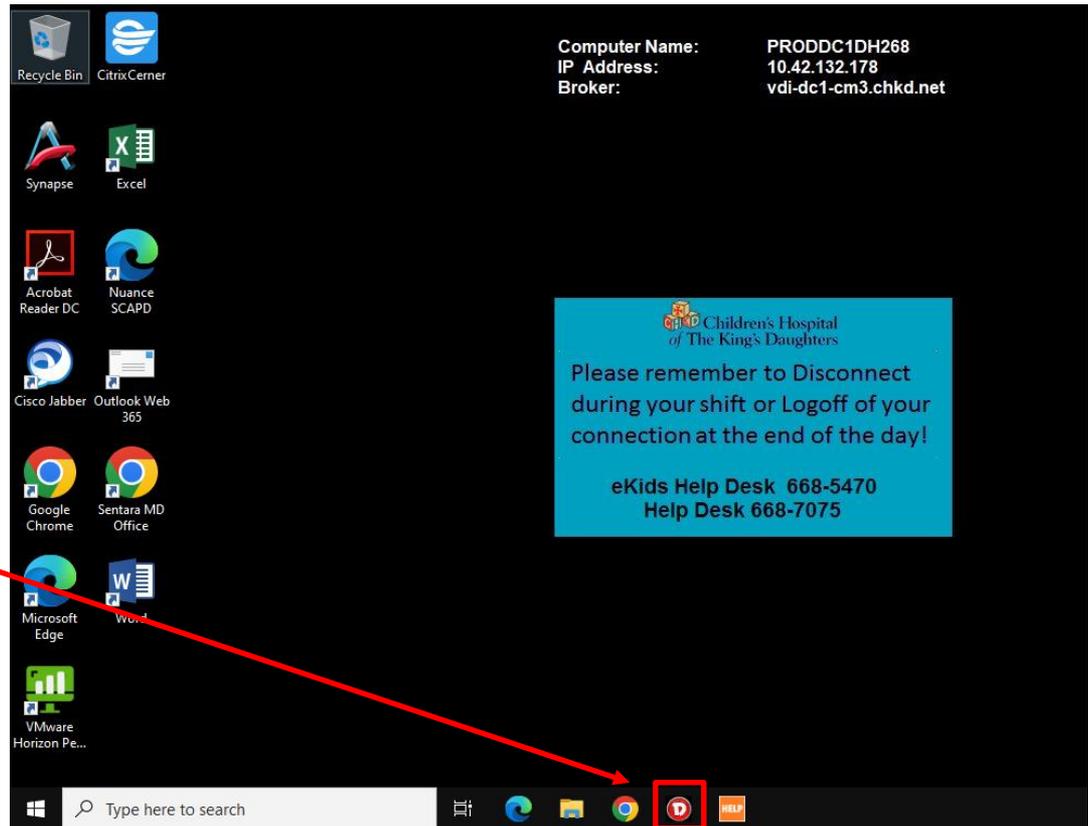
Double-click on the CitrixCerner icon to access Cerner Applications that are available to you based on your role, then double-click on the desired application icon to open the application.

Note: Zero Clients use pass-through functionality, so once you are logged into the Zero Client, you will not be prompted to log into the Cerner application.



Disconnecting from the Zero Client

When you have finished using the Zero Client in the patient's room or at the nurse's station but wish to log in to the same application somewhere else, leave the application open and click the **Disconnect** button in the taskbar. Any applications you were using will open at the next Zero Client you log into.



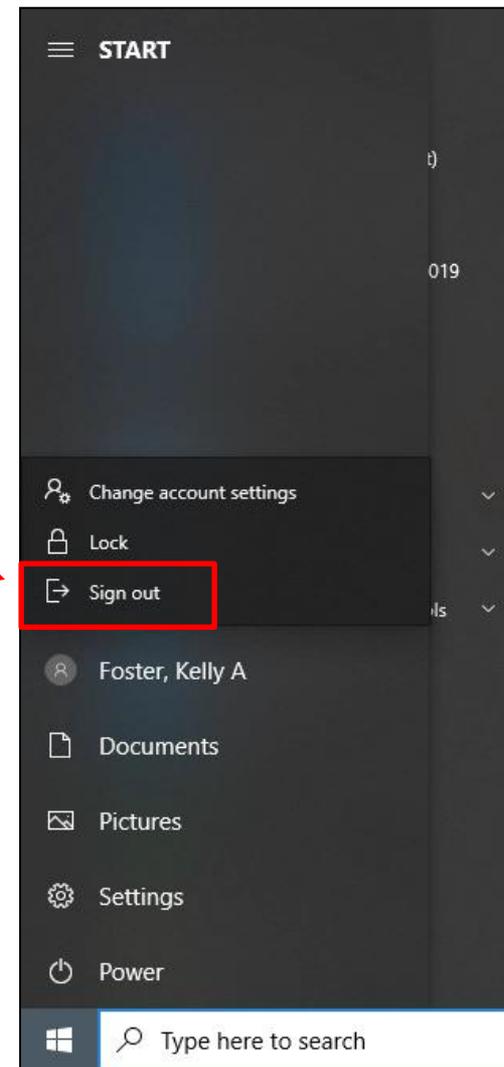
Zero Client Badge Readers

Most Zero Clients also feature badge readers which allow users to 'tap' or 'badge' in and out of the Zero Client as needed instead of clicking Disconnect . For example, as you leave one patient's room you can tap out of that computer and when you enter the next patient's bedside you can tap into that bedside computer. Any applications you were using on the last computer will open on your new computer location.



Logging off from the Zero Client

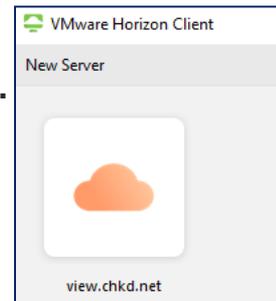
When you have finished working with an application for the day, properly Exit the application (this will be discussed later in the tutorial), then select **Sign out** from the Start menu.



Accessing Cerner Applications via Virtual Desktop (VM Ware)

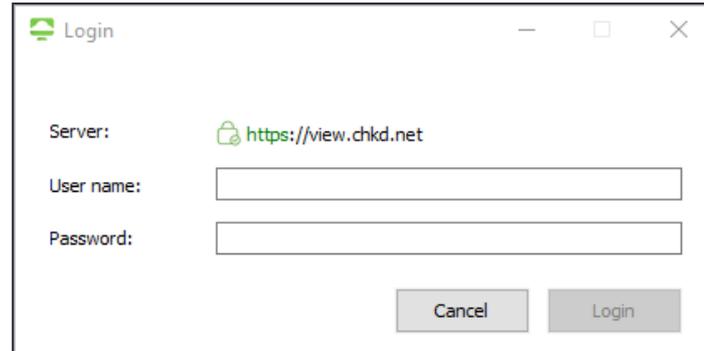
The option for **VMware View** appears on selected PC desktops and is a method of accessing necessary applications. VMware View uses the same technology as Zero Clients. Therefore, if you are logged into a Zero Client in a patient's room and disconnect, you can access the same record from VMware View on a PC by clicking on the VMware View icon.

- Double-click the VMware View icon on the computer desktop.
- Double-click on the Cloud to connect.



Accessing Cerner Applications via Virtual Desktop (VM Ware)

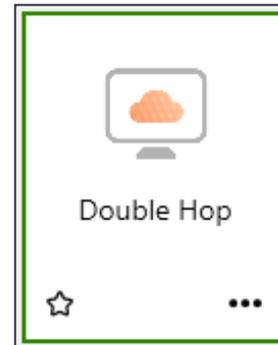
- When prompted, enter your Username and Password, and press Enter or click on Login.



A screenshot of a Windows-style dialog box titled "Login". The dialog box has a title bar with a green icon, a minus sign, a maximize button, and a close button. The main content area contains the following fields and controls:

- Server:** A label followed by a green padlock icon and the text "https://view.chkd.net".
- User name:** A label followed by an empty text input field.
- Password:** A label followed by an empty password input field.
- Buttons:** Two buttons at the bottom: "Cancel" and "Login".

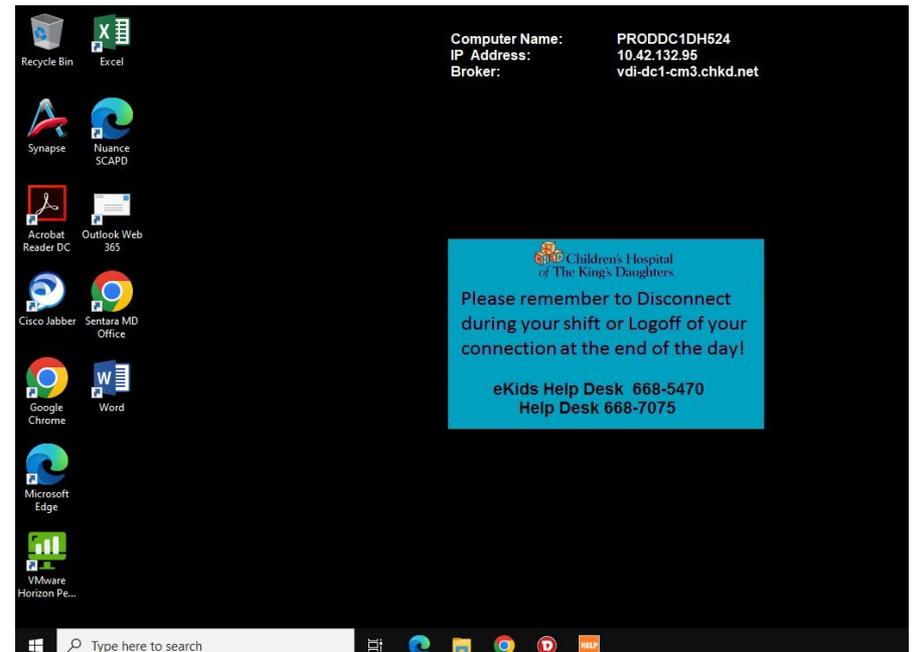
- Double-click on the **Double Hop** icon to open the correct domain.



Accessing Cerner Applications via Virtual Desktop (VM Ware)

The VMware desktop will appear.

Note, this is the same initial desktop you saw on the Zero Client. You will need to wait another 30 seconds for the CitrixCerner  icon to appear.

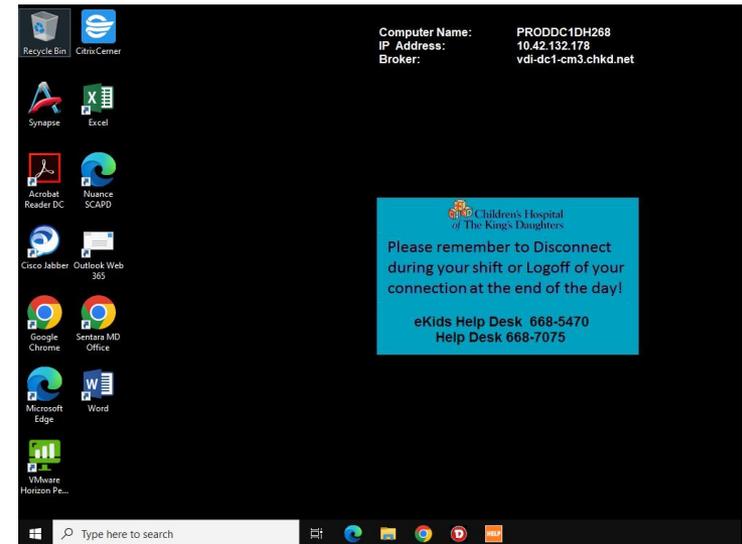


Accessing Cerner Applications via Virtual Desktop (VM Ware)

Double-click on the CitrixCerner  icon when it appears to access Cerner applications that are available to you based on your role.

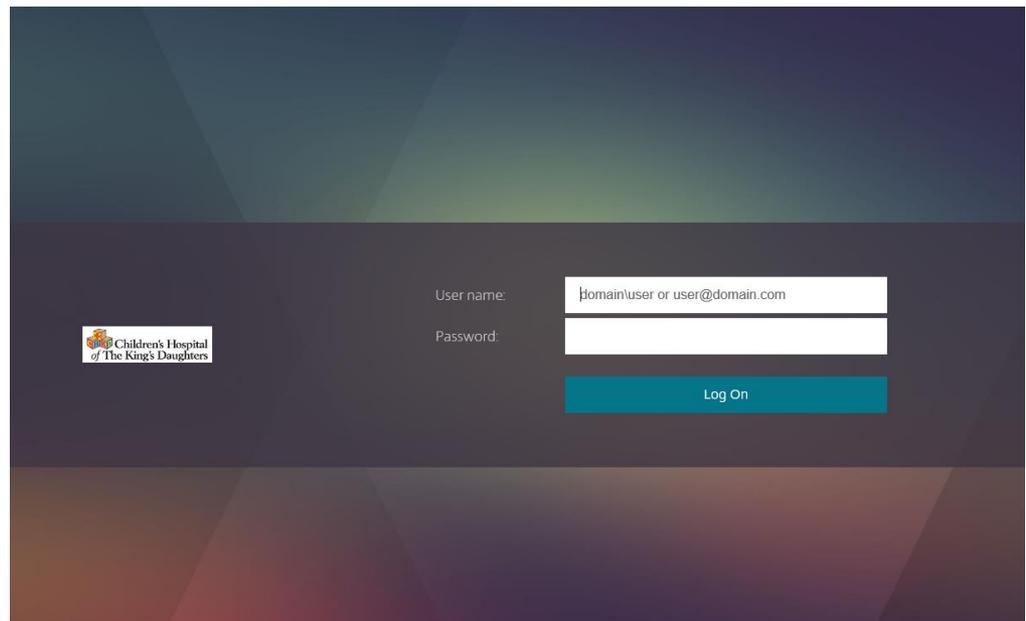
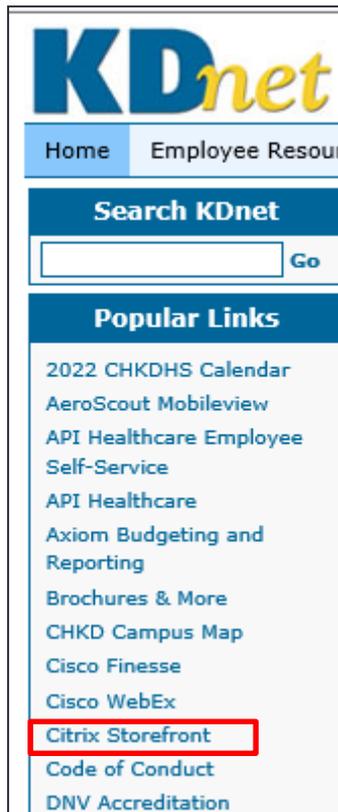
Note: If you forget to Disconnect from the Zero Client and attempt to connect via VMware View, the system will automatically disconnect you from the Zero Client.

Note: It is strongly recommended that you do not log in to Citrix and VMware View or a Zero Client at the same time.



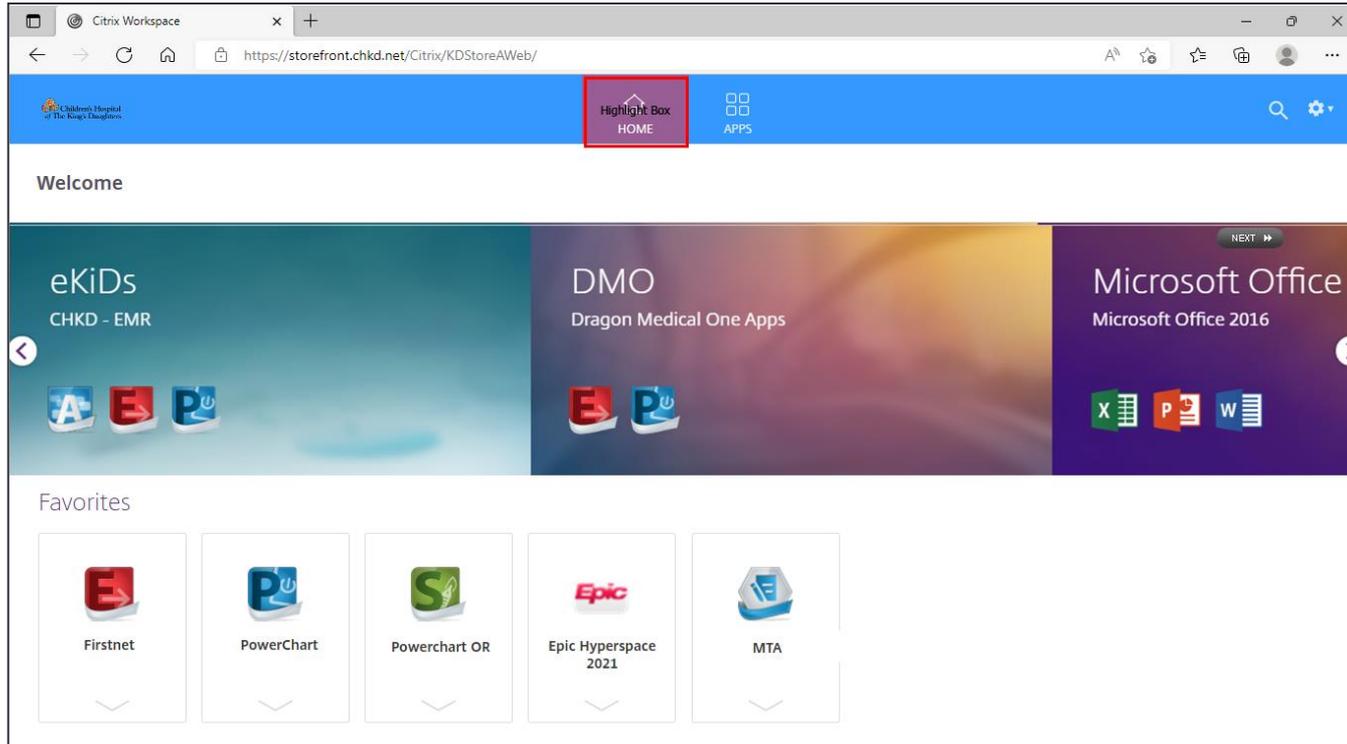
Accessing Cerner Applications via Citrix Storefront

If necessary, you may also access Cerner Applications by clicking on **Citrix Storefront** in KDnet under **Popular Links**, then log in to the Citrix Web Interface.



Accessing Cerner Applications via Citrix Storefront

After you have logged into Citrix, the Citrix Workspace Home screen opens. Click on the appropriate icon to open the desired application.



Accessing Cerner Applications – Questions?

If there are any problems accessing Cerner Applications or if you do not know your login credentials, contact the IS Help Desk at **668-7075**.



LESSON TWO: ACCESSING PATIENT RECORDS

Accessing Patient Records in Cerner

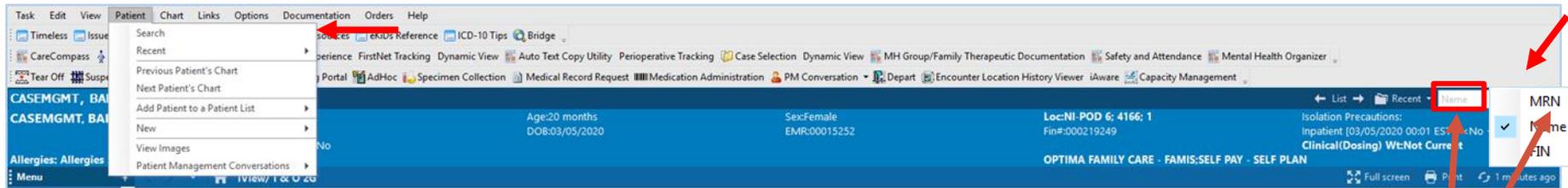
After logging into a Cerner Application, you can access patient charts. To access a chart, conduct a patient search.

- Select *Search* from the Patient menu

or

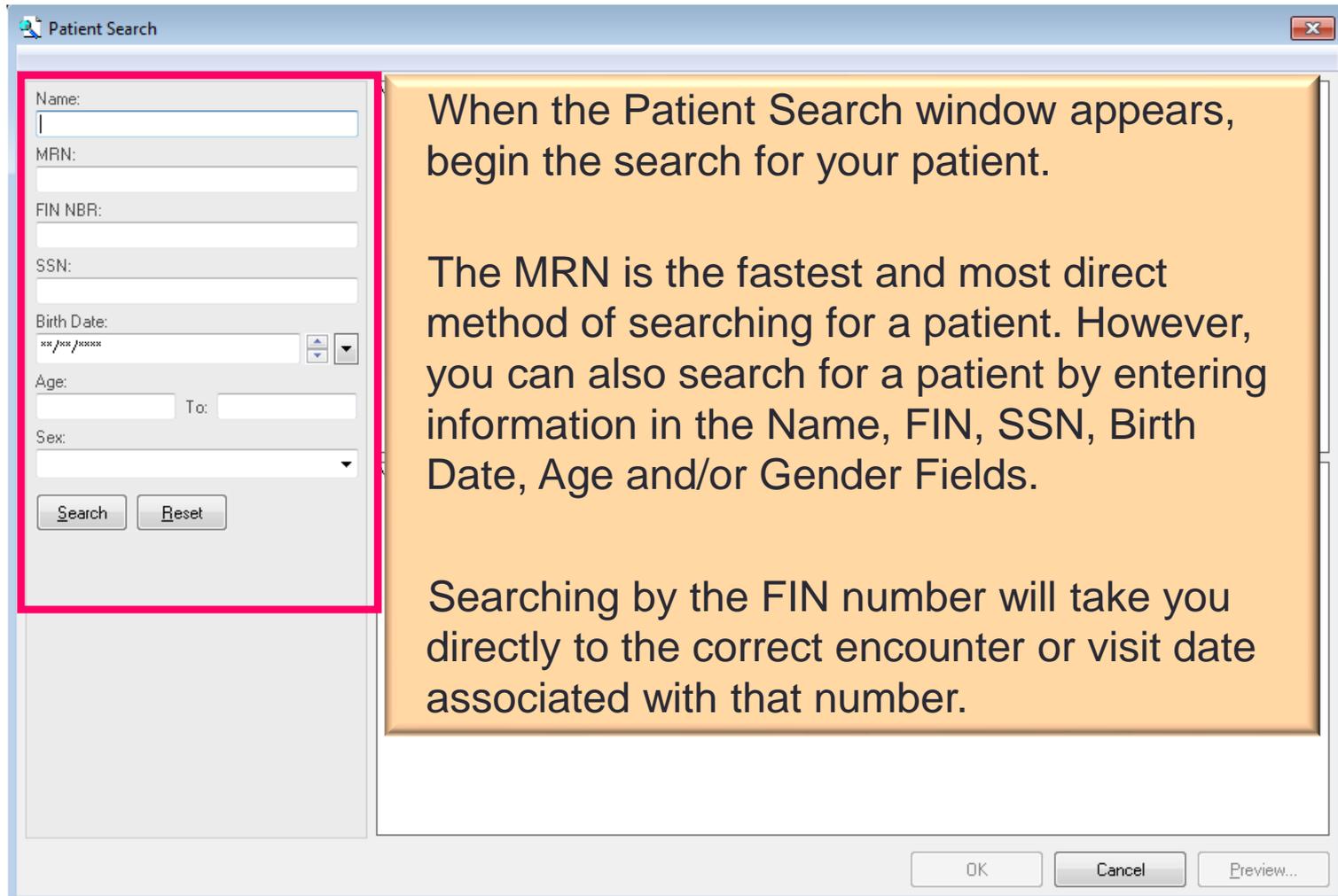
- Click on the search icon  within the Organizer

Both actions will open the Patient Search Window.



There is also a drop down box where you can elect to search by MRN, Name, or FIN.

Conducting a Patient Search



The screenshot shows a software window titled "Patient Search". On the left side, there is a form with the following fields: "Name:" (text input), "MRN:" (text input), "FIN NBR:" (text input), "SSN:" (text input), "Birth Date:" (text input with a date mask "*/**/****" and a calendar icon), "Age:" (text input) and "To:" (text input), and "Sex:" (dropdown menu). Below these fields are "Search" and "Reset" buttons. A pink rectangular box highlights the "Name:" field. On the right side, there is a large orange text box containing the following text:

When the Patient Search window appears, begin the search for your patient.

The MRN is the fastest and most direct method of searching for a patient. However, you can also search for a patient by entering information in the Name, FIN, SSN, Birth Date, Age and/or Gender Fields.

Searching by the FIN number will take you directly to the correct encounter or visit date associated with that number.

At the bottom right of the window, there are "OK", "Cancel", and "Preview..." buttons.

Conducting a Patient Search

After you conduct a patient search, all matching patients will display at the top of the screen. The selected patient's encounters will display at the bottom of the screen. Double-click the appropriate encounter to open the chart. **Ensure that the appropriate Encounter (Visit) is selected.**

Patient Search

Name: zttest, amb
 MRN:
 FIN NBR:
 SSN:
 Birth Date:
 Age: To:
 Sex:

Name	VIP	MRN	Sex	Birth Date	Age
ZZtest, Ambulatory two		00001115	Female	09/05/2008	7 Years
ZZtest, Ambulatory three		00001116	Male	04/06/2010	6 Years
ZZtest, Ambulatory one		00989999	Male	07/10/2006	9 Years

FIN NBR	Enc Type	Med Service	Facility	Nurse Unit	Reg Date	Disch Date
000075133	Clinic	Infectious Disease	CHKD	CHKD-ID	11/19/2014 9:14 AM	11/21/2014 11:59 PM
000075122	Inpatient	Medical	CHKD	Information Services T...	10/26/2014 7:47 AM	10/26/2014 11:59 PM
323265326	Clinic	Medical	CHKD	HCN-PMR	10/10/2014 10:44 AM	10/12/2014 11:59 PM
006468498	Professional Services	Medical	CMG-Town Center	CMG-TC-Pod A	09/15/2014 12:04 PM	09/17/2014 11:59 PM
000075109	Clinic	Medical	CHKD	HCPA-GI	07/19/2014 11:45 AM	07/19/2014 6:07 PM
651689282	Clinic	Medical	CHKD	HCPA-GI	06/03/2014 9:09 AM	06/05/2014 11:59 PM
897985456	Clinic	Medical	CHKD	CHKD-GAP A	03/28/2014 7:00 AM	03/30/2014 11:59 PM
684684684	Professional Services	Medical	CMG-COURTHOUSE	CMG-Courthouse Pedi...	09/16/2013 11:16 AM	09/18/2013 11:59 PM
765465465	Professional Services	Medical	CMG-Town Center	CMG-Town Center	07/22/2013 8:28 AM	07/24/2013 11:59 PM
854859698	Professional Services	Medical	CMG-Town Center	CMG-Town Center	07/18/2013 1:51 PM	07/20/2013 11:59 PM
987987654	Professional Services	Medical	CMG-Town Center	CMG-Town Center-Un...	07/16/2013 1:29 PM	07/18/2013 11:59 PM
800007777	Professional Services		CMG-Pediatric Asso...	CMG-PA-Granby	10/05/2012 12:51 PM	10/07/2012 11:59 PM

Accessing Patient Records in Cerner

You can also search for a patient using the **Recent** button within the Organizer. The **Recent** button will display the names of the last nine charts that you have accessed. Single click on the desired patient to open their chart.

The screenshot shows the Cerner Patient List interface. The 'Recent' dropdown menu is open, displaying a list of nine patient charts. The list is as follows:

1. CASEMGMT, BABYCASE
2. INFORMATICS, KELLY FOSTER
3. INFORMATICS, KELLY BARCODING
4. TIMELESS, WENDY RENEE
5. INFORMATICS, AMY BARCODING
6. ZZTEST, CHILD TIME
7. INFORMATICS, JEANNE NURSING
8. MCSWAIN, AVERY DMON
9. VAUGHN, AVENTURINE PHOENIX

The main Patient List table below shows the following data:

Name	MRN	Room	Bed	Sex	Age	DOB	Visit Reason	Admitted	Medical Service	Attending Physician	Length of Stay	Visit Type	VIP Code	Nurse Unit	FIN	Discharged
ZZTEST, RICHARD	00015646	4136	1	Male	15 months	08/05/2020	POST-TRAUMA HEADACHE UNS NOT INTRCT	08/05/2021 12:10 EDT	Dental	KONIKOFF MD, MICHAEL R	117.0 Days	Inpatient	NI-POD 3	000220131		
ZZTEST, X	00001257	4132	1	Male	3 years	04/11/2018		05/28/2021 9:27 EDT	Neonatology	CAULEY MD, DEAN C	186.1 Days	Inpatient	NI-POD 3	950650561		
TPNDEV, TWO	00015619	4129	1	Male	7 months	04/01/2021	TEST TPN	04/30/2021 12:49 EDT	Neonatology	CAULEY MD, DEAN C	214.0 Days	Inpatient	NI-POD 2	000220008		
ROBERTS, JOYCE ANN	00015701	4131	1	Female	8 weeks	10/05/2021	TEST TPN	10/12/2021 8:39 EDT	Neonatology	CAULEY MD, DEAN C	49.2 Days	Inpatient	NI-POD 3	000220218		
CASEMGMT, 25THEDITION	00015628	4128	OF	Female	6 months	05/17/2021	ASTHMA	05/18/2021 7:23 EDT	Neonatology	CAULEY MD, DEAN C	196.2 Days	Inpatient	NI-POD 2	000220025		

Accessing Patient Records in Cerner

The first time you access a patient's chart, you will be prompted to **Assign a Relationship** with the patient.

Select your appropriate relationship from the selections listed. Anytime you are accessing a patient's chart for anything other than patient care, select *Administrative Review*.

If you do not establish a relationship, you will not be able to open the patient's chart.

P Assign a Relationship

For Patient: Informatics, Elsa Nursing

Relationships: Comment:

Administrative Review
Nursing

OK Cancel

IMPORTANT: Please adhere to hospital policies regarding HIPPA compliance. When you establish a relationship with the patient within the application, your name will be listed in the Patient-Provider Relationship (PPR) Summary in PowerChart.

LESSON THREE: VIEWING THE PATIENT'S CHART

Viewing a Patient's Chart

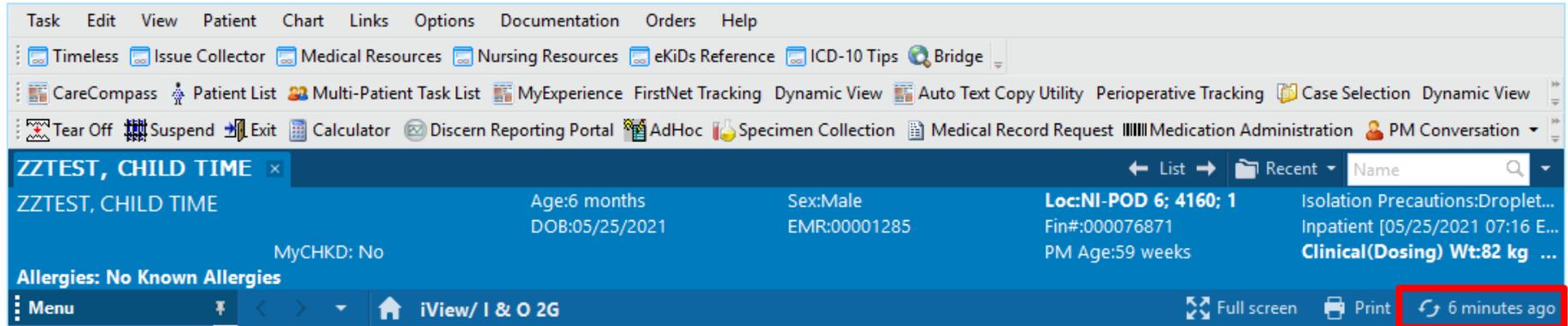
The screenshot shows a medical software interface with a menu bar (Task, Edit, View, Patient, Chart, Links, Options, Documentation, Orders, Help) and a toolbar with various icons. The main area displays a patient's chart. A red box highlights the Patient Demographics Bar (Banner Bar) which contains the following information:

ZZTEST, CHILD TIME	Age: 6 months	Sex: Male	Loc: NI-POD 6; 4160; 1	Isolation Precautions: Droplet...
ZZTEST, CHILD TIME	DOB: 05/25/2021	EMR: 00001285	Fin#: 000076871	Inpatient (05/25/2021 07:16 E...
Allergies: No Known Allergies	MyCHKD: No		PM Age: 59 weeks	Clinical(Dosing) Wt: 82 kg ...

At the bottom of the interface, there is a menu bar with options like Menu, iView/ I & O 2G, Full screen, Print, and a refresh icon with the text '6 minutes ago'.

- The **Patient Demographics Bar** (also known as the *Banner Bar*) provides information such as patient name, age, DOB, sex, Location, Medical Record Number, and Financial Number.
- The Demographics Bar also displays recorded Allergies, Isolation Precautions, and the patient's Clinical (Dosing) Weight.
- Hyperlinks, indicated by an underline, can be accessed by a single click of the mouse and will take the user to additional information.

Viewing a Patient's Chart

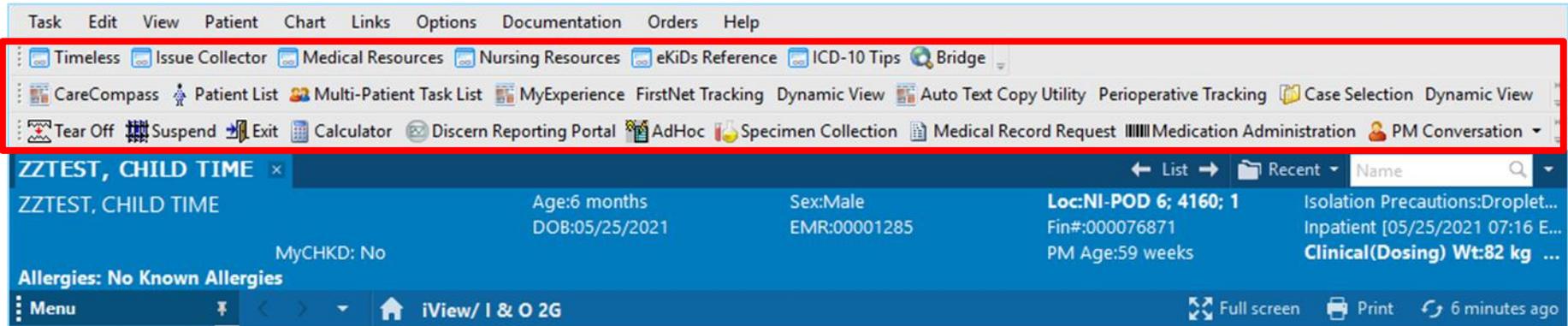


The screenshot displays a patient chart interface for 'ZZTEST, CHILD TIME'. The interface includes a menu bar with options like Task, Edit, View, Patient, Chart, Links, Options, Documentation, Orders, and Help. Below the menu bar, there are several toolbars with icons for various functions such as Timeless, Issue Collector, Medical Resources, Nursing Resources, eKiDs Reference, ICD-10 Tips, Bridge, CareCompass, Patient List, Multi-Patient Task List, MyExperience, FirstNet Tracking, Dynamic View, Auto Text Copy Utility, Perioperative Tracking, Case Selection, Dynamic View, Tear Off, Suspend, Exit, Calculator, Discern Reporting Portal, AdHoc, Specimen Collection, Medical Record Request, Medication Administration, and PM Conversation. The patient information section shows 'ZZTEST, CHILD TIME' with details: Age: 6 months, Sex: Male, Loc: NI-POD 6; 4160; 1, Isolation Precautions: Droplet..., MyCHKD: No, DOB: 05/25/2021, EMR: 00001285, Fin#: 000076871, Inpatient [05/25/2021 07:16 E..., PM Age: 59 weeks, Clinical(Dosing) Wt: 82 kg ... Allergies: No Known Allergies. The bottom toolbar contains a Menu button, navigation arrows, a home icon, 'iView/ I & O 2G', Full screen, Print, and a Refresh button labeled '6 minutes ago' which is highlighted with a red box.

The **Refresh/minutes ago button** is used to ensure that you are viewing the most up-to-date patient information.

‘**Minutes ago**’ indicates the last time the displayed information was refreshed. Click the button to update the information.

Toolbar



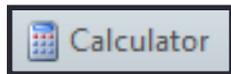
The **Toolbar** gives you quick access to certain functions & tools within the application, such as Patient List.



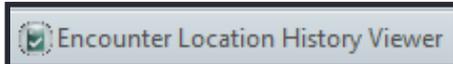
Patient List – helps users organize and easily access large amounts of patient data. Patient lists are created by the user based on customized criteria, patient location, or provider relationship

Toolbar

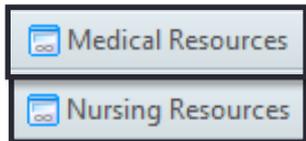
Additional items found in the **Toolbar**:



Clinical Calculator – calculator tool that also provides values for various clinical formulas



Encounter Location History Viewer – used to locate a patient's specific encounter and track the patient's location within the visit



Medical Resources & Nursing Resources – provides you a direct link to commonly used resources on KDnet, such as nursing policies, Lexi-Comp, Med Code Sheet, etc.

Viewing a Patient's Chart

Let's take a look at some of the available chart tabs within the EMR.

Keep in mind that many options are security-driven, so all displayed options in the Menu may not be available to you.



Viewing a Patient's Chart

The screenshot displays a patient chart for 'ZZTEST, CHILD TIME'. The patient's age is 6 months, sex is male, and location is NI-POD 6. The chart shows a 'Menu' on the left side with various options like 'Task List', 'MAR', 'Form Browser', etc. A green callout box highlights the menu, stating: 'Within the patient's chart, Chart Tabs appear on the left side of the screen in a collapsible Menu.'

The main content area shows the 'Intake And Output' section for the period from November 29, 2021, to December 02, 2021. The table below shows data for 11/30/2021.

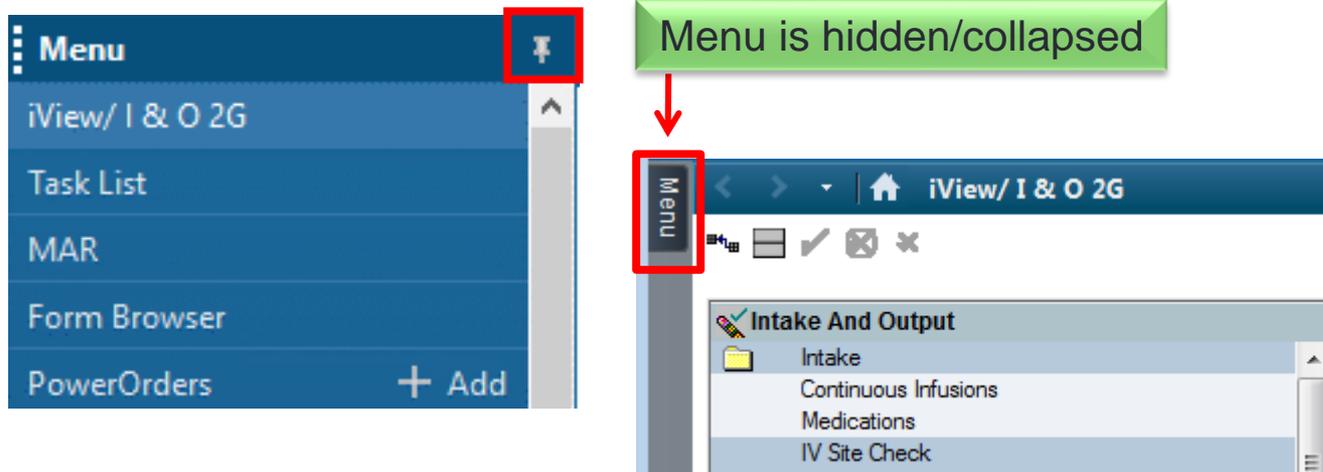
Time	Intake	Output	Balance
12:00 - 12:59 EST	0 mL	0 mL	0 mL
11:00 - 11:59 EST	0 mL	0 mL	0 mL
10:00 - 10:59 EST	0 mL	0 mL	0 mL
9:00 - 9:59 EST	0 mL	0 mL	0 mL
8:00 - 8:59 EST	0 mL	0 mL	0 mL
7:00 - 7:59 EST	0 mL	0 mL	0 mL

The table also includes a 'Calculated Values' section with the following items:

- Oral Intake Type
- Transfusions
 - Red Blood Cells Volume Infused (mL)
 - Platelets Volume Infused (mL)
- Other Intake Sources
- TUF (Retention Volume) (mL)
- Output Total
 - Urine Output
 - Urine Voided (mL)
 - Urine Count
 - Urine Weighed Diapers (mL)
 - Urine Description
 - Urine Color
 - Urinary Catheter
 - GU Ostomy
 - Emesis Output
 - Emesis Volume (mL)
 - Emesis Count
 - Stool Output
 - Stool Count
 - Stool Volume (mL)

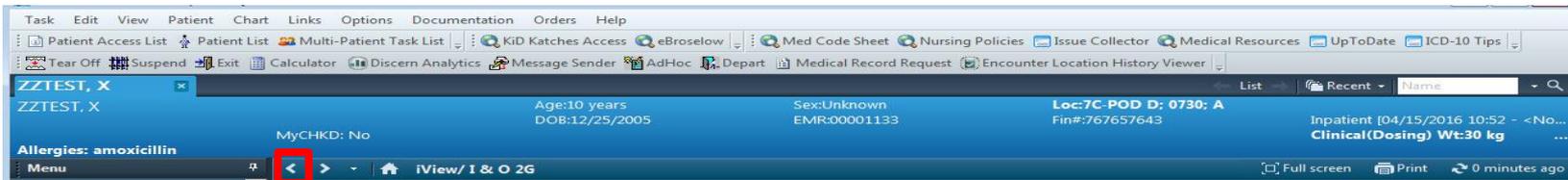
Viewing a Patient's Chart

- You can elect to hide the Chart Tabs that display on the left side of the screen by pressing the pushpin icon which collapses the menu.
- By default, the icon appears pointing downward. This indicates that the menu will display in a normal manner on the left side of the screen.

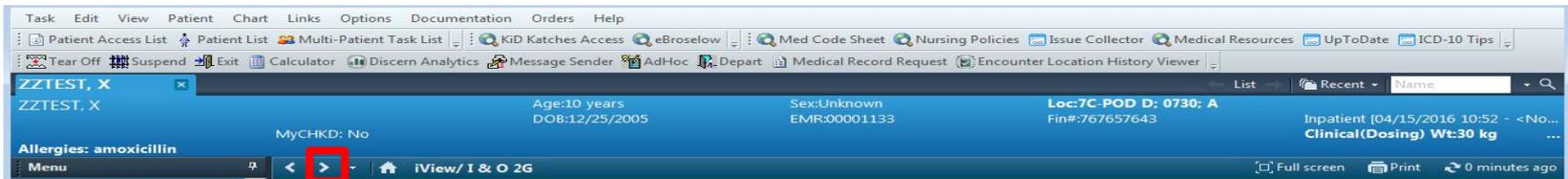


Viewing a Patient's Chart

- The Backward button allows you to access previously selected tabs within the patient's chart.



- The Forward button moves you ahead to tabs you have accessed in the patient's chart prior to clicking the back button.



- The drop down allows you to quickly access up to the last fifteen selected tabs.



- The Home button returns to your defaulted chart tab.



Viewing a Patient's Chart

The **iView / I&O** tab is the section of the chart that is used to enter and view various types of results (such as Intake & Output, Vital signs, and Assessment).

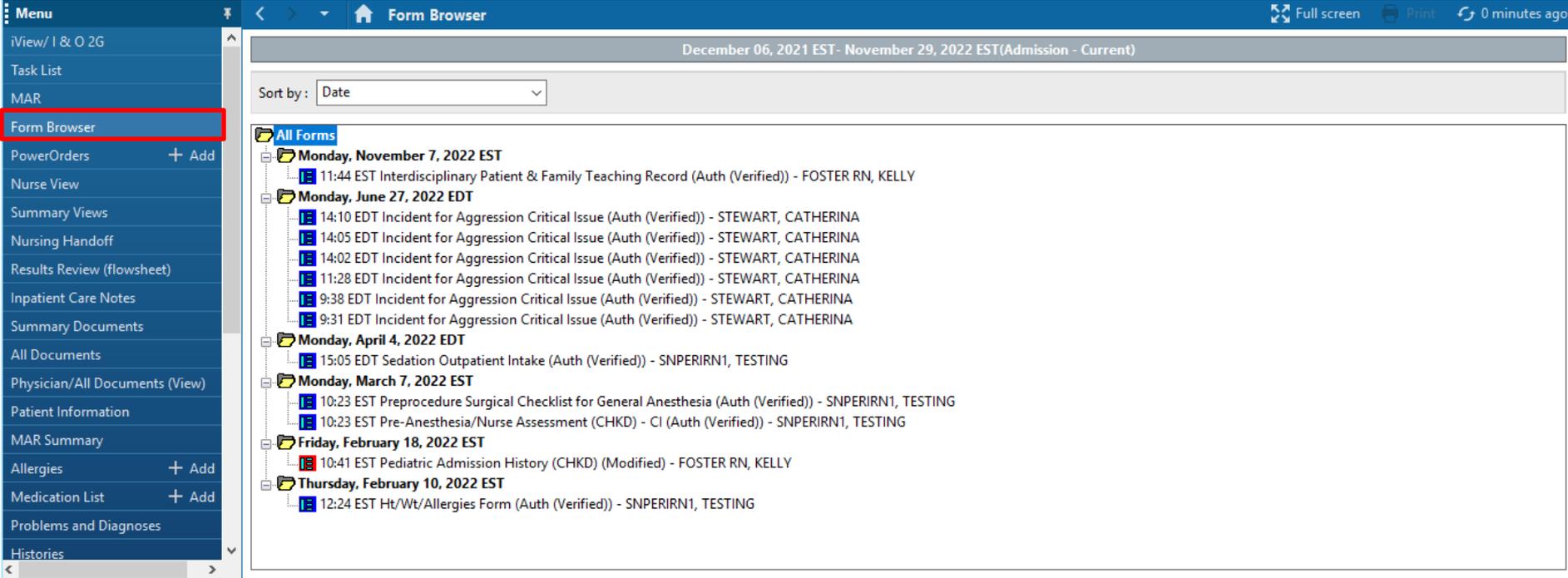
The screenshot displays the **iView / I & O 2G** interface. The left-hand menu is highlighted, showing the **iView / I & O 2G** tab selected. The main area shows a patient's chart for the period **November 28, 2022 6:00 EST - December 01, 2022 5:59 EST**. The chart includes a summary of today's intake and output, and a detailed table for the date **11/29/2022**.

Today's Intake: 0 mL Output: 0 mL Balance: 0 mL Yesterday's Intake: 0 mL Output: 0 mL Balance: 0 mL			11/29/2022							24 Hour Total	Night Shift Total
			12:00 - 12:59 EST	11:00 - 11:59 EST	10:00 - 10:59 EST	9:00 - 9:59 EST	8:00 - 8:59 EST	7:00 - 7:59 EST	6:00 - 6:59 EST		
Scanned For Oral Care											
<ul style="list-style-type: none"> Oral <ul style="list-style-type: none"> Oral Intake mL Oral Intake Type Additives Transfusions <ul style="list-style-type: none"> Red Blood Cells Volume Infused mL Platelets Volume Infused mL Other Intake Sources <ul style="list-style-type: none"> TUF (Retention Volume) mL 											
<ul style="list-style-type: none"> Output Total <ul style="list-style-type: none"> Urine Output <ul style="list-style-type: none"> Urine Voided mL Urine Count Urine Weighed Diapers mL 											

Those with training and security will be able to document on the iView (Interactive) flowsheet.

Viewing a Patient's Chart

Clinical documentation can also be completed in a PowerForm. The **Form Browser** tab window displays a directory tree of completed PowerForms for the selected patient. You can open a form to view the information by double-clicking on it. Those with security access can also edit forms.



The screenshot displays the 'Form Browser' window for a patient. The left sidebar contains a 'Menu' with various options, and the 'Form Browser' option is highlighted with a red box. The main content area shows a directory tree of completed PowerForms, sorted by date. The patient's admission period is from December 06, 2021 EST to November 29, 2022 EST (Admission - Current). The forms are organized by date, with the most recent form at the top.

Menu

- iView/ I & O 2G
- Task List
- MAR
- Form Browser**
- PowerOrders + Add
- Nurse View
- Summary Views
- Nursing Handoff
- Results Review (flowsheet)
- Inpatient Care Notes
- Summary Documents
- All Documents
- Physician/All Documents (View)
- Patient Information
- MAR Summary
- Allergies + Add
- Medication List + Add
- Problems and Diagnoses
- Histories

Form Browser

December 06, 2021 EST- November 29, 2022 EST(Admission - Current)

Sort by: Date

All Forms

- Monday, November 7, 2022 EST**
 - 11:44 EST Interdisciplinary Patient & Family Teaching Record (Auth (Verified)) - FOSTER RN, KELLY
- Monday, June 27, 2022 EDT**
 - 14:10 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
 - 14:05 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
 - 14:02 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
 - 11:28 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
 - 9:38 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
 - 9:31 EDT Incident for Aggression Critical Issue (Auth (Verified)) - STEWART, CATHERINA
- Monday, April 4, 2022 EDT**
 - 15:05 EDT Sedation Outpatient Intake (Auth (Verified)) - SNPERIRN1, TESTING
- Monday, March 7, 2022 EST**
 - 10:23 EST Preprocedure Surgical Checklist for General Anesthesia (Auth (Verified)) - SNPERIRN1, TESTING
 - 10:23 EST Pre-Anesthesia/Nurse Assessment (CHKD) - CI (Auth (Verified)) - SNPERIRN1, TESTING
- Friday, February 18, 2022 EST**
 - 10:41 EST Pediatric Admission History (CHKD) (Modified) - FOSTER RN, KELLY
- Thursday, February 10, 2022 EST**
 - 12:24 EST Ht/Wt/Allergies Form (Auth (Verified)) - SNPERIRN1, TESTING

Viewing a Patient's Chart

The **PowerOrders** tab is used to view orders and order information. Also, those with the proper classroom training and security can enter orders from the PowerOrders tab.

The screenshot displays the PowerOrders interface. The left sidebar menu has the **PowerOrders** tab highlighted with a red box. The main content area shows a tree view on the left and a table of orders on the right.

Orders Table:

Start	Order Name	Status	Details
11/28/2022 12:10 EST	Notify Provider Vital Signs (Vital Signs Notif...	Ordered	Age Range = 5 - 10 years, HR gre
07/26/2022 14:12 EDT	Discharge Patient	Ordered	Discharge to = Home, Acute Car
05/06/2021 15:12 EDT	Interdisciplinary Teaching Record	Ordered	PRN, DO NOT CANCEL; Ordered
05/06/2021 15:12 EDT	Initiate Interdisciplinary Teaching Record	Ordered	DO NOT CANCEL - Ordered by I Initiate Interdisciplinary Teach R
11/03/2022 12:48 EDT	Document Pain Score Goal	Discontinued	BID, Ordered by Discern Rule
06/05/2021 15:12 EDT	Height/Length	Discontinued	every 4 weeks, per nursing polic
05/07/2021 0:00 EDT	MAR/Chart Check	Discontinued	q24h, DO NOT CANCEL - Ordere
05/06/2021 15:12 EDT	Initiate paper Nursing Plan of Care	Ordered	DO NOT CANCEL - Ordered by I Initiate Paper copy of Nursing P
05/06/2021 15:12 EDT	Nursing Transfer of Care	Discontinued	PRN order - DO NOT CANCEL

The interface also includes a top navigation bar with options like 'Full screen', 'Print', and '0 minutes ago'. The left sidebar menu includes items like 'Menu', 'Task List', 'MAR', 'Form Browser', 'PowerOrders', 'Nurse View', 'Summary Views', 'Nursing Handoff', 'Results Review (flowsheet)', 'Inpatient Care Notes', 'Summary Documents', 'All Documents', 'Physician/All Documents (View)', 'Patient Information', 'MAR Summary', 'Allergies', 'Medication List', 'Problems and Diagnoses', and 'Histories'. The main content area has tabs for 'Orders', 'Medication List', and 'Document In Plan'. The tree view on the left shows a hierarchy of orders, including 'Orders for Signature', 'Plans', 'Document In Plan', 'Medical', 'Transfusion Request (Initiat', 'Nursing Plan of Care', 'Blood Dyscrasias: Activity In', 'Blood Dyscrasias: Risk for in', 'Gastrointestinal Dysfunction', 'Suggested Plans (1)', and 'Orders'.

Viewing a Patient's Chart

The **Nurse View** tab is used to view information contained in various Workflow Mpages, such as Handoff, Discharge, and Sedation workflows.

The screenshot displays the 'Nurse View' interface. On the left is a vertical menu with the following items: Menu, iView/ I & O 2G, Task List, MAR, Form Browser, PowerOrders (+ Add), **Nurse View** (highlighted with a red box), Summary Views, Nursing Handoff, Results Review (flowsheet), Inpatient Care Notes, Summary Documents, All Documents, Physician/All Documents (View), Patient Information, MAR Summary, Allergies (+ Add), Medication List (+ Add), and Problems and Diagnoses. The main content area is titled 'Nurse View' and contains several sections: 'Quick Links' with 'Mpages (1)' (containing 'Inpatient QuickNotes') and 'Powerforms (2)' (containing 'Interdisciplinary Patient & Family Teaching Record' and 'Preprocedure Surgical Checklist for General Anesthesia'); 'Reason for Visit (0)' with 'No Results Found'; and 'Problem and Diagnoses' with a 'Classification' dropdown set to 'All', an 'Add as' dropdown set to 'This Visit', and an 'Add problem' button. The interface also shows a 'Handoff' tab selected, and other tabs for 'Discharge - Inpatient (Nsg)' and 'Sedation Workflow'.

Viewing a Patient's Chart

The **Summary Views** tab pulls information from different areas of the chart into a single convenient view, including information such as problems documented in the Problem List, Diagnoses, Allergies, Measurements, Vital Signs, Intake and Output, and recent lab results. Click the hyperlinks to display recent results. Depending on your security access, you may see subtabs to the various summary pages (Inpatient, Ambulatory, etc.)

The screenshot displays a medical software interface with a sidebar menu on the left and a main content area. The sidebar menu includes items like 'iView/ I & O 2G', 'Task List', 'MAR', 'Form Browser', 'PowerOrders', 'Nurse View', 'Summary Views' (highlighted with a red box), 'Nursing Handoff', 'Results Review (flowsheet)', 'Inpatient Care Notes', 'Summary Documents', 'All Documents', 'Physician/All Documents (View)', 'Patient Information', 'MAR Summary', 'Allergies', 'Medication List', 'Problems and Diagnoses', and 'Histories'. The main content area is titled 'Summary Views' and contains several summary cards: 'Vital Signs Graph' (Selected Visit: Last 48 hours, No results found), 'Critical Issues' (table with columns Issue and Date Entered), 'Age Information' (DOB: 09-09-2015, Age: 7 Years), 'Primary Care Physician' (Primary Care Physician (Visit): DOCCPOE18, TRAIN), 'Patient Information' (Chief Complaint: No results found), 'CDC Growth Chart' (All Visits: Last 15 months, No results found), 'Vital Signs' (Selected Visit: Last 7 days, No results found), 'CAHR Status', 'Measurements and Weights (0)' (All Visits: Last 14 weeks, No results found), 'Lines, Tubes, and Drains (0)' (Selected Visit: Last 216 hours, No results found), 'Additional Lines, Tubes & Drains (0)' (Selected Visit: No results found), 'Intake and Output' (Selected Visit: Last 3 days, No results found), and 'Ventilation/Respiratory (0)'. A note at the bottom right states '* Indicates a day without a full 24 hour measurement period'.

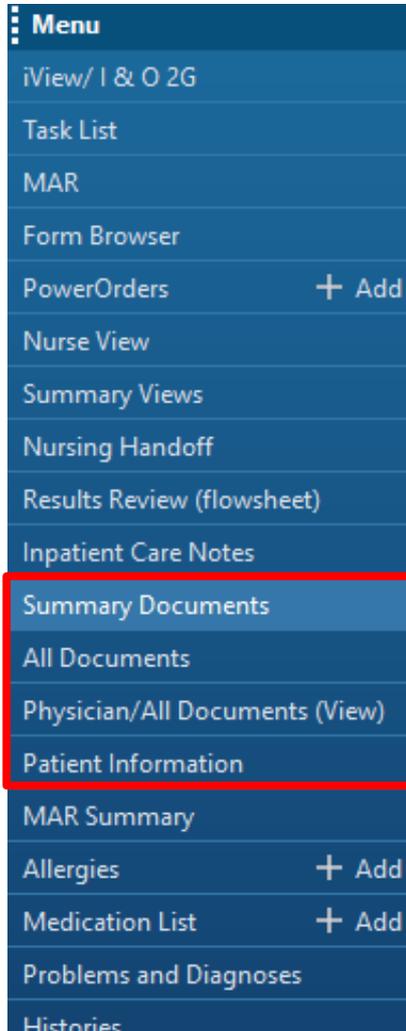
Viewing a Patient's Chart

The **Results Review** Tab is a flowsheet of documented result information, including Lab results, Radiology results, and Patient Care results (clinical documentation).

The screenshot displays the 'Results Review (flowsheet)' interface. The top navigation bar includes 'Menu', 'Results Review (flowsheet)', 'Full screen', 'Print', and '0 minutes ago'. The main content area is titled 'Patient Care' and shows a flowsheet for 'Pt Care Doc' with a clinical range of 'November 28, 2022 12:57 EST - November 30, 2022 12:57 EST'. The 'Navigator' sidebar on the left lists various clinical categories, with 'Results Review (flowsheet)' highlighted in red. The 'Results Display' table shows data for 'Pt Care Doc' on 11/29/2022, including 'IV Site Check', 'Oral Intake Type', 'Gastric (Nasoduodenal Nostril, left 6 French)', 'Formula Type Infant', 'Dilutents', and 'Urine Output'.

Category	11/29/2022 12:30 EST	11/29/2022 12:29 EST	11/29/2022 12:00 EST	11/29/2022 11:59 EST	11/29/2022 11:55 EST	11/29/2022 11:44 EST	11/29/2022 11:05 EST	11/29/2022 11:00 EST
IV Site Check								
Line Site Check			Normal					
Oral Intake Type								
Gastric (Nasoduodenal Nostril, left 6 French)								
Formula Type Infant		Formula						
Formula Concentration		Enfamil Gentl						
Dilutents		20 Kcal/oz						
Dextrose 5% with 0.9% NaCl					28 mL			
Urine Output								0 mL
Urine Weighed Diapers								
Weight Based Urine Output								
12 Hour Urine Output (Weight Based)								
24 Hour Urine Output (Weight Based)								
Emesis Output								

Viewing a Patient's Chart



- **Summary Documents** – allows you to view pertinent clinical documents, such as operative reports or H&Ps
- **All Documents** – displays all clinical documents that have been entered for the selected patient, such as Emergency Room reports, visit notes, and procedure information
- **Physician/All Documents (View)** – displays a listing of all documents, sorted by date. Select a document and a preview will automatically display.
- **Patient Information** – contains Patient Demographics, Visit list, and Patient Provider Relationship (PPR) Summary

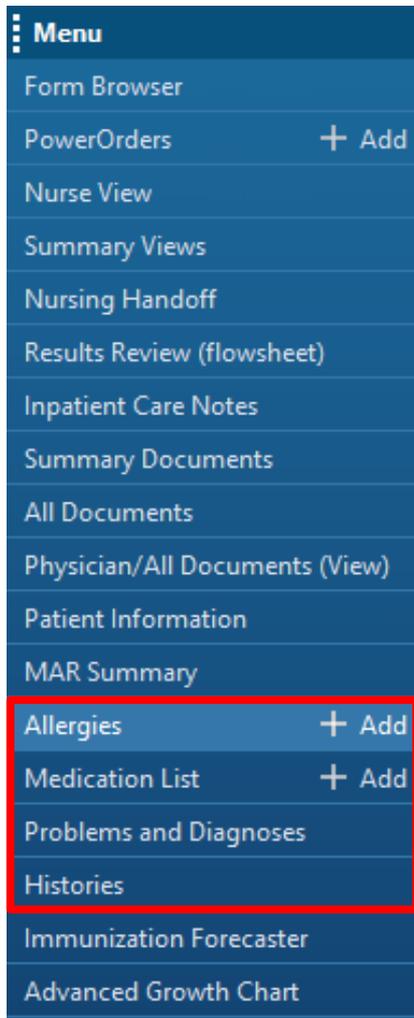
Viewing a Patient's Chart

The **MAR Summary** tab displays a condensed view of medication administration information to give the user a high-level overview of the medications that are prescribed for the patient. It will mainly be used by physicians and by nursing staff during change of shift report.

The screenshot displays the MAR Summary interface for a patient. The top navigation bar shows the date range: November 27, 2022 0000 - November 29, 2022 2359 EST. The sidebar menu on the left has 'MAR Summary' highlighted in red. The main table shows medication administration records for various medications across different time slots.

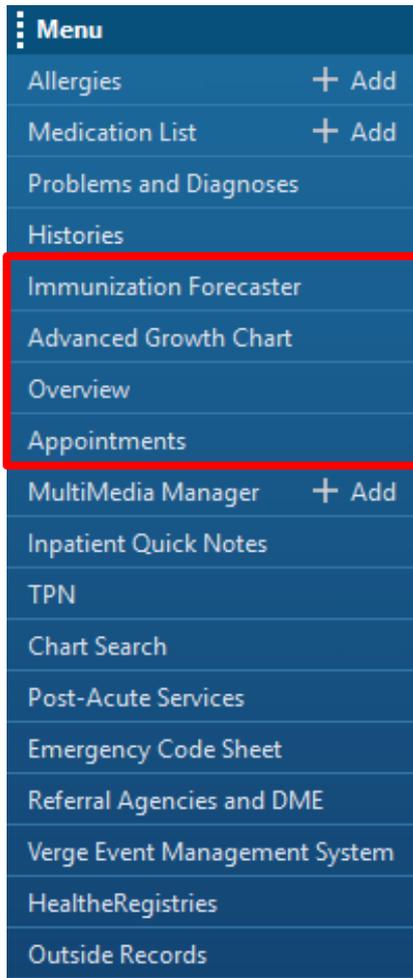
	11/27/2022 0000 - 0359	11/27/2022 0400 - 0759	11/27/2022 0800 - 1159	11/27/2022 1200 - 1559	11/27/2022 1600 - 1959	11/27/2022 2000 - 2359	11/28/2022 0000 - 0359	11/28/2022 0400 - 0759	11/28/2022 0800 - 1159	11/28/2022 1200 - 1559	11/28/2022 1600 - 1959
Scheduled											
acetaminophen (acetaminophen IV) 110 mg = 11 mL, Syringe, IV Piggyback, q6h, Rate: 44 mL...											
ketorolac 3.5 mg = 0.23 mL, Soln, IV Push, Once, STAT, Stop: 11/28/22 5:52:00 EST, Age 2 months and greater.								3.5 mg @0618			
Unscheduled											
lidocaine topical (Lidocaine 2% jelly) 1 app, Jelly, Topical, AS DIRECTED for 1 doses/times											
PRN											
acetaminophen (acetaminophen suppositor...) 120 mg = 1 sup, Sup, Per rectum, q8h, PRN, temp gre...							120 mg @0326	Pain Scale: FLACC		120 mg @1257	120 mg
							Pain Scale: FLACC			Pain Scale: Not given for pain	Pain Sca
Continuous Infusions											
0229 Begin Bag 1,000 mL											

Viewing a Patient's Chart



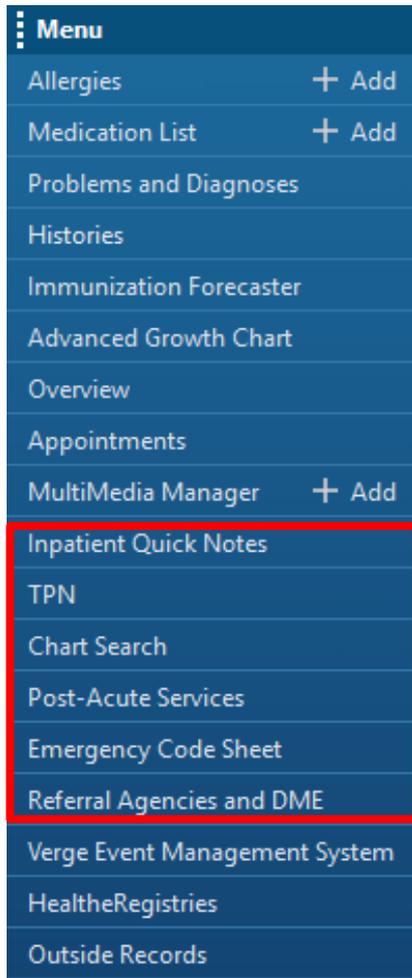
- **Allergies** – this tab allows you to view all allergies recorded for the patient, and update as necessary (based on security)
- **Medication List** – enables you to view all documented medication therapies for the patient; based on your security, you will be able to update the patient's home medication list in *Document Medication by History*
- **Problems and Diagnoses** – provides a view of this information entered by designated roles, such as Infection Prevention & Control and Physicians
- **Histories** – has two sub-tabs: *Procedures* and *Family history*

Viewing a Patient's Chart



- **Immunization Forecaster** – provides a dynamic view of suggested and upcoming immunizations and records historical immunizations and exceptions
- **Advanced Growth Chart** – provides a graph of the child's growth compared to the national standard
- **Overview** – provides a summary of charted data that has been recorded since the last time you selected the *Date/Time Stamp* button
- **Appointments** – a view-only tab that displays future and past appointments

Viewing a Patient's Chart



- **Inpatient QuickNotes** – allows you to access the QuickNotes PowerForm. This form contains information such as Nickname, Password, Clinical Reminders, Devices, and Contact Information
- **Chart Search** – allows you to search for items within the patient's chart
- **Referral Agencies and DME** – displays home care services from all encounters/visits

Let's review the ways you can secure your workstation on a Zero Client, VMWare (Virtual Desktop), and Citrix...

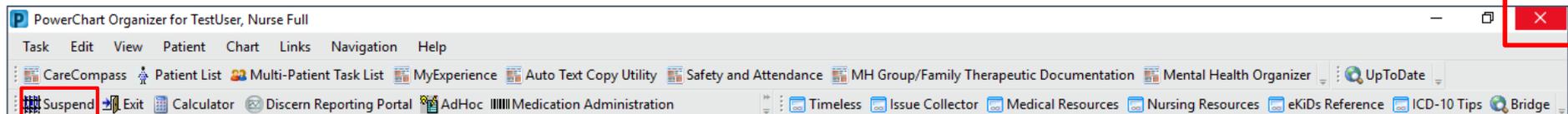


Securing your Workstation via Zero Client or Virtual Desktop

Anytime you access Cerner Applications (PowerChart, FirstNet, etc) via the Zero Client and you need to move away from your workstation, you should Disconnect to ensure that your workstation is secured.



Note: When in a Cerner Application, **do not use** the *Suspend* button  or  as this can cause hung sessions and system issues. Click Disconnect or badge out.



Exiting a Patient's Record and Logging Off

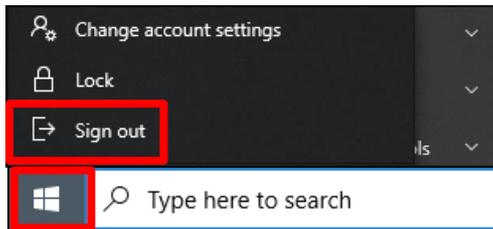
1 If you are going to Log Off the system, be sure to exit any patient records you may have open by clicking on the **X** in the name window located directly above the patient's name in the Banner (Patient Demographics) Bar.



2 Exit the application by clicking on the Exit icon on the toolbar, or by clicking on the Task menu and selecting Exit. Do not use the "x" in the top right corner as this causes hung sessions on the Zero Clients.



3 Don't forget to click Sign Out from the Start Menu at the bottom of the screen when you have finished working for the day!



The End

Congratulations!

You have completed this tutorial!