EDIS Upgrade to 2014 R1
MEDHOST EDIS 2014 R1: Upgrade from previous versions

OVERVIEW OF KEY CHANGES
Key Changes: New View to Order Entry

- Medhost has provided an enhanced *Order Entry* user interface.
- EDIS *Order Entry* now provides a streamlined approach to results reviewing and interpretations.
Key Changes: Patient Safety Alerts

- EDIS checks and displays applicable drug alerts.

- Alerts may occur with a change in the following:
  - Any change in a patient’s recorded weight.
  - Allergies / Home medications added in charting.
  - New medication order with possible interaction to an existing non-administered medication order.
Key Changes: Formulary Management

• Medhost update now includes the CHS Formulary. If the medication doesn’t exist within the *Formulary*, then:
  – Pharmacists must approve additions/changes to the medication orders in Medhost.
Key Changes: Formulary Management

- Medhost 2014 Update now includes the CHS Formulary and standardized Medication Orders.
- If a Medication does not exist within the formulary it must be approved and uploaded per CHS Policies and procedures.
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CHARTING
Charting: Scribe Support (BMH/SOC Only)

- Scribe cannot access patient without indicating provider
- Statement by scribe at onset
- Sign off by provider at end of visit
- Inherit normal statements, interpretations, and the template of the provider they are scribing for.
Charting: Scribe Support

- For environments utilizing scribes, EDIS reports display the scribe information in the following reports as shown:
  - Ad Hoc Staff Performance
  - Ad Hoc Data Dump
  - Free Text Chart Entries
  - Report ‘Nurse Workload’
  - Report ‘Post Departure Charting Analysis’
Charting: Scribe Signoff

• Providers are able to view all scribe entries for the provider.

• The pencil icon indicates scribe attestation is required.

• On the My Patients list, providers’ can modify and attest to scribes documentation.
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DISPOSITION
Disposition: Hospitalize

- The term “Hospitalize” will be used in place of “Admit” on the Locator Board and Disposition Screen.

- EDIS Disposition Summary now reflects the patient’s disposition state as either Inpatient Admission or Observation.
Disposition: Hospitalize

- When providers change a patient’s status to/from *Inpatient Admission* to/from *Observation*, it will be reflected on the patient’s chart and on the *Chart Audit* trail.

- **Care Complete** still occurs on the decision to disposition the patient as an *Inpatient Admission/Observation*. If the status is changed at any point, **Care Complete** time does not change.
Disposition: Hospitalize Status

TO: CORDERO, EVANGELINA
Fax: 715-675-4253
Re: Tom Dye

This FAX contains Emergency Department information as documented on Tom Dye up until the time of transmission. The information contained in this fax is not intended to replace the actual medical record. Please follow your hospital's Policies and Procedures for obtaining the patient's complete medical record.

<table>
<thead>
<tr>
<th>Arrival Date/Time</th>
<th>05/20/14 16:35</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED Physician</td>
<td>Carter, John, MD</td>
</tr>
<tr>
<td>Presenting Complaint</td>
<td>Laceration To Hand</td>
</tr>
<tr>
<td>Diagnosis</td>
<td>Wound Infection</td>
</tr>
<tr>
<td>Visit Outcome/Location</td>
<td>HospitalizeMedical</td>
</tr>
</tbody>
</table>
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TRACKING
Tracking: Discharge Planning

• Discharge Planning pathway allows providers to select diagnosis and other required elements earlier in the visit.
Tracking: Unified Patient History

- Unified Patient History Data
- Streamlined Patient History Orders Section
- Patient History and Search Using WebViewer
- Discharge Planning

The patient’s visit now includes the following by default:

<table>
<thead>
<tr>
<th>Name</th>
<th>Acuity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOB</td>
<td>Arrival Time</td>
<td>Responsible Department</td>
</tr>
<tr>
<td>Race</td>
<td>Disposition Time</td>
<td>Patient Identifier (MRN)</td>
</tr>
<tr>
<td>Gender</td>
<td>Departure Time</td>
<td>Custom Account Identifier</td>
</tr>
<tr>
<td>SSN</td>
<td>Attending Physician</td>
<td>Visit Account Identifier</td>
</tr>
<tr>
<td>Age</td>
<td>PHCP</td>
<td>Person Identifier</td>
</tr>
<tr>
<td>Marital Status</td>
<td>Disposition/Outcome</td>
<td>HIS Account Identifier</td>
</tr>
<tr>
<td>Chief Complaint</td>
<td>Assigned Nurse</td>
<td>Temporary Account Identifier</td>
</tr>
<tr>
<td>Method of Arrival</td>
<td>Bed ID</td>
<td></td>
</tr>
<tr>
<td>Diagnosis</td>
<td>Specific Location</td>
<td></td>
</tr>
</tbody>
</table>
Tracking: Unified Patient History

- Unified Patient History
  - History launches WebViewer so that users can seamlessly continue with their workflow with minimal interruptions.
  - The “Back to EDIS” will close WebViewer and take the user back to EDIS.
Tracking: Patient History Alerts

• The appearance of the History link and number of visits is color-coded (Site will set the Prior Visit Alert interval: 72 hours)
  • Greyed-out – Patient has no prior visits
  • Blue – Last visit occurred before Previous Visit Alert
  • Red – Last visit occurred after the previous visit alert
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MEDICATION
Medication: Dispensable Dosage

- Choosing Dispensable Medications
  - Dispensable medications refer to the medications available in the ED right now (in Pyxis).
  - Allows nurses to identify what was dispensed from Pyxis/Pharmacy and will be administered to the patient. (i.e. are you giving one 600 mg tablet or three 200mg tablets?)
Medication: Dispensable Dosage

- If the correct dispensable does not display, choose the **OVERRIDE** button shown below:
- Click the to add a comment.
Medication: Administering PRN Doses

• EDIS now enables users to utilize *PRN* doses of medication orders (i.e. Nitroglycerin Sublingual).

• PRN allows providers to place a medication order that may be administered *n* number of times on an as-needed basis.

![Edit Order](image)
Medication: Administering PRN Doses

- EDIS provides actions to accurately reflect the order, administration and the next dose to be given
Medication: Administering PRN Doses

• When nurses administer a PRN order, EDIS process the order as follows:
  – 1. Creates the PRN x of y order and treats it as an individual order
  – 2. Displays the administration(s) X of Y on the Orders Detail screen
  – 3. Tracks the administered time of each order
  – 4. Tracks the order number and sequence of the administration in the form of x of y (for example 1 of 2 and 2 of 2)
Medication: Administering PRN Doses

- Sample:

![Sample Orders](image-url)
Medication: Administered Meds Report

- The Administered Medications report now shows the new Administered Sentence instead of the Ordered Medication.
Medication: Uncharting Administration

- Nurses are able to unchart medications to ensure the medication record is accurate.
- The nurse documents the reason for unchart as shown here.
- The original order returns to ordered state.
Medication: Drug Information

- When administering a medication you are able to access drug information:
Medication: Drug Information

Drug Information

Lopressor [Metoprolol (Tartrate)] 25 mg PO once

- Dosing
- Summary
- Indications
- Contraindications
- Side Effects
- Precautions
- Drug Interactions

Maintenance:
- Age range: 18 years to 110 years
- Max single dose: 450 mg
- Duration: 7 days to unspecified

Dose range: 12.5 mg/day to 450 mg/day
Not to exceed 450 mg

Single dose:
- Age range: 18 years to 110 years
- Max single dose: 450 mg
- Duration: 1 day to 1 day

Dose range: 6.25 mg/day to 450 mg/day
Not to exceed 450 mg
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ORDER ENTRY
Order Entry: Enhanced User Interface
Order Entry: Header Information

Touch on the header to expand Patient Demographics, Allergies, and Vital Signs from within the Order Entry screen.
Order Entry: Enhanced User Interface

- Order Entry
- Print Orders
- Review Lab and Rad Results
- Return to Patient Chart
- Return to “My Patient’s List”
Order Entry: Enhanced User Interface

Sort orders by Time, Type, or Status

3-letter search for orders or medications
Order Entry: New Order

- Click in search to locate a single order
- You may also use the Quick Select and Workups which will be shown later in the presentation.
Orders: New Order

- Once you have located the order, click SEND to complete Order Entry.
- To remove the order, click on the minus sign twice. It will turn red at first click and then be removed upon second click.
Orders: Prompt Selection

- When selecting a single order with a prompt, choose the appropriate response and click “OK”
Order Entry: Completing Order Entry

• Once you click send the order status will be updated to “Ordered”
Order Entry: Multiple Prompts

• Orders with multiple prompts will display as follows:
Order Entry: Workup Selection

- After selecting the workup, the orders in the right column display the order set for the patient.
- To add to the order set, select any order from the “OPTIONAL” column on the left.
- To remove orders from the order set, select the order from the right column.
- Touch “OK” to confirm the orders in the workup after modifications are made.
Order Entry: Workup Selection

Orders on the **right** are included as active orders unless you remove them. Orders on the **left** are “optional” and can be selected for your order set by clicking on them once.
Order Entry: Workup Selection

Once all changes have been made to your workup, click OK
Order Entry: Editing Orders

- Any of the areas in red can be edited.

- Specific administration instructions can be entered to better assist with patient care.
Order Entry: Deletion of Orders

- Prior to touching “Send”, healthcare providers have the option to delete orders or workups
  - Touch on the minus sign to the right of the order or workup.
  - The minus sign will turn red.
  - Touch it one more time to confirm the deletion from the order set.
Order Entry: Changing Order State

- Touch on the current status of the order to reveal the “Action” drop-down box.

- Select desired action from the choices available to change the order state.
Order Entry: Viewing Drug Information

- Touch on the order name and then touch “Drug Information”

- Drug Information screen will display FDB monograph of the medication with various sections to choose from
Order Entry: Single Dose Maximum

- Through FDB, MEDHOST is able to provide the end user with a single max dose information when medications are ordered.
Order Entry: Weight-based Dosage

• If the medication is ordered prior to a weight being added, this is brought to the attention of the ordering staff member with the use of an icon on the Order Management screen.

• If there is a change in weight after the dose ordered, there is an asterisk indicator that the dose has been changed.
Order Entry: Medication Aliases

- When a medication is ordered by the brand name and a generic name is in the dispensable drug, both names will show in administration, and the drug that was actually given will show in charting.
Order Entry: Verbal Order Sign Off

- The provider has the ability to quickly sign off verbal orders in all areas within Order Entry
  - Touch on “Sign Off”
  - Select order to sign off
  - Touch “OK” to confirm
Order Entry: Lab/Rad Results

- Clear indication when results are available to be reviewed
Order Entry: Lab/Rad Results

- Color coded abnormal lab results are available for quick identification.
Order Entry: Lab/ Rad Results

- Click on Results to view all results for this patient
Order Entry: Lab/Rad Results

- Results are sortable by
  - TIME
  - TYPE
  - STATUS
Order Entry: Lab/ Rad Results

- You have multiple options for results view i.e.
  Type Sort = Type Status
Order Entry: Lab/ Rad Results

- Click on the window pane tab to select each order individually for review and interpretation.
Order Entry: Lab/ Rad Results

- Click on the list view tab to change the view to a scrollable window to view and interpret results.
Order Entry: Lab/Rad Results - Interpretation

- Click in the “Not Interpreted” box to begin Interpretation
Order Entry: Lab/Rad Results - Interpretation

Interpretations for CT ABDOMEN W/ CONTRAST+RAD

My Interpretations

Add New

Reviewed by me

15:41

Manage

Add to My List

Cancel

OK

No Acute Disease

No Acute Disease Except

Abnormal

Radiology

Time

Type

Status

All
Order Entry: Lab/ Rad Results – Interpretation Options

- Use the Quick interpretation buttons
- Copy/Paste and edit from Radiology Reading
- Add and Manage custom interpretations using the Manage and Add to My List Options at the bottom of the screen.
MEDHOST 2014 UPGRADE

• Thank you for completing the Medhost 2014 Upgrade Review. Please direct any questions to your manager for follow up.