Flowsheet Build

Webcast Dec. 6th, 2013

Empowering Extraordinary Patient Care

Today's presenters……

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Galen Certified - Enterprise EHR & V11 Advanced Note

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Consultant

Galen Certified – Enterprise EHR | Advanced Note

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Your phone has been automatically muted. Please use the Q&A panel to ask questions during the presentation!

Cisco WebEx Event Center - Dry Run - charge

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Info | Intro Slides

Embrace the new world of healthcare

GALEN HEALTHCARE SOLUTIONS

The webcast will begin momentarily…

PROFESSIONAL Services

Project Assessment

Galen can leverage its extensive EHR experience to appraise the condition of your EHR rollout. Drawing on its history of leading successful EHR deployments, Galen will identify areas of weakness to mitigate risk and put the project back on track.

- Evaluate Current State
- Review Organizational Goals
- Create Road Map to Success

Project Management

Galen provides project management solutions to help ensure your EHR rollout success. Galen will provide your organization with the experience necessary to identify, reduce and eliminate project risks.

- Implementation Management
- Resource Management
- Project Plan Design and Execution
- Site Preparation

Implementation Services

Galen's keen understanding of EHR functionality and technical infrastructure uniquely positions it to positively impact every aspect of the EHR implementation process.

- Review and Document Current State Workflows
- Evaluate Design Requirements
- Develop Future State Design

Connecting Community Healthcare

Galen understands the challenges that come with extending your EHR to physicians outside of your organization. Whether you're taking advantage of Stark Relaxation or just trying to provide a way for community physicians to get a complete view of their patients, Galen can help you through the process. Together, we can review your unique situation and help structure an EHR that creates a seamless community connection.

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Participants | Q&A

Name | Tools

Panelists: 1

Galen Healthcare Solutions (Host)

Attendees:

Tracy Kimble

Mute

Q&A

Collapse the panel

Ask: All Panelists

Select a participant in the ask menu first and type your question here. There is a 256 character limit.

Send

82%

Flowsheet Build Agenda

- **What are Flowsheets**
- **Considerations**
- **Workspace overview and Demonstration**
- **Hints, Tips and Additional information**
- **Q & A**

What are Flowsheets

Flowsheets are a convenient tool for providers to view patient data over time and to analyze trends

Columns represent an interval of time, such as a day or week:

Rows Represent clinical data:

- **Results**
- **Vital signs**
- **Medications**
- **Other clinical findings**

Problem | Encounter | Patient Worklist | Health Management Plan | Meds/Orders | Allergies | Chart Viewer | Health Manage

FlowSheets | DM Web DEMO | Internal Medicine

Data Includes: All Item Name	Graph	31 Mar 2013 1	05 Sep 2012 1	07 Apr 2012 1	01 Jan 2012 1
Systolic		120	130	140	
Diastolic		68	80	90	
Height		5 ft 10 in			
BMI Calculated		27.49kg/m2	31.64kg/m2		
Weight		192 lb	221 lb	236 lb	212 lb
BSA Calculated		2.05m2	2.18m2		
Hgb A1C		6.7 %	7.0 %	7.2 %	
Glucose Fasting		157 mg/dl	190 mg/dl	242 mg/dl	
Cholesterol, Total		190	210	230	
Triglycerides		76	99	112	
Right Foot Was Examined		Pos (POS)			
Left Foot Was Examined		Pos (POS)			
Actos 15 MG Oral Tablet		X			

Examples of Flowsheets

- Diabetes
- Coumadin
- Congestive Heart Failure

Considerations

Prior to creating a Flowsheet you will need to decide which specialties you are creating it for and what data should be included

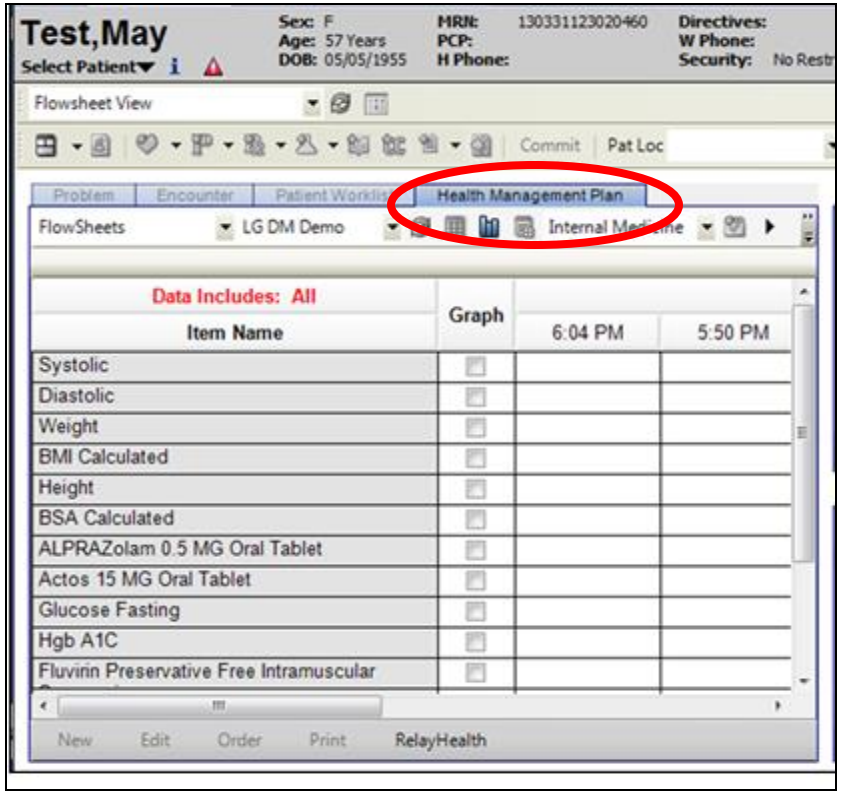
- Results
- Medications
- Vitals
- Medcin findings/terms

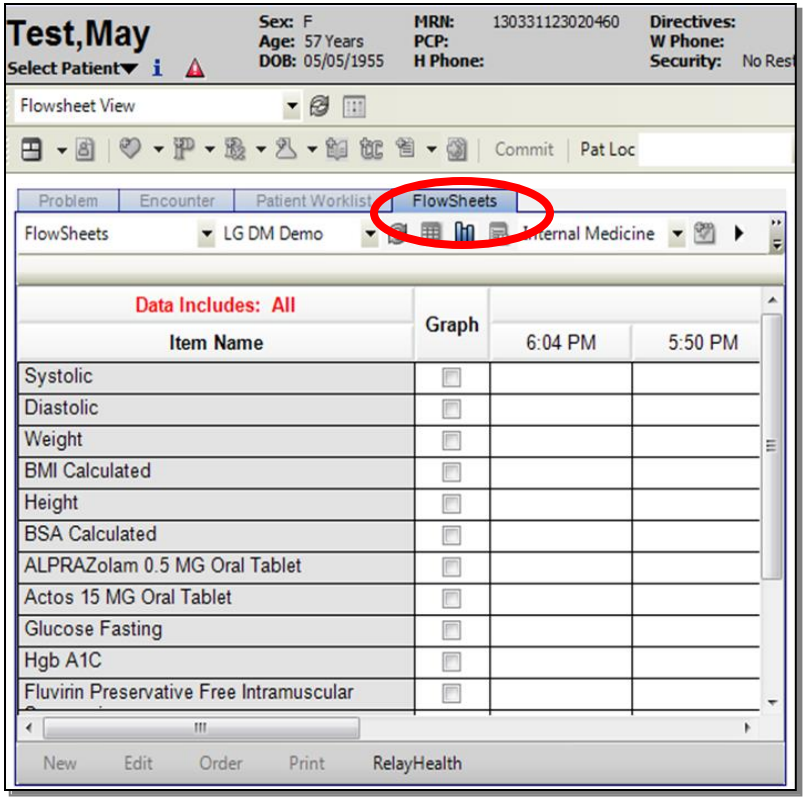
Consider the order of the items in the flowsheet prior to building because even though they can be moved it is a cumbersome process.

Determine if the HMP tab will be used to navigate to view the flowsheet

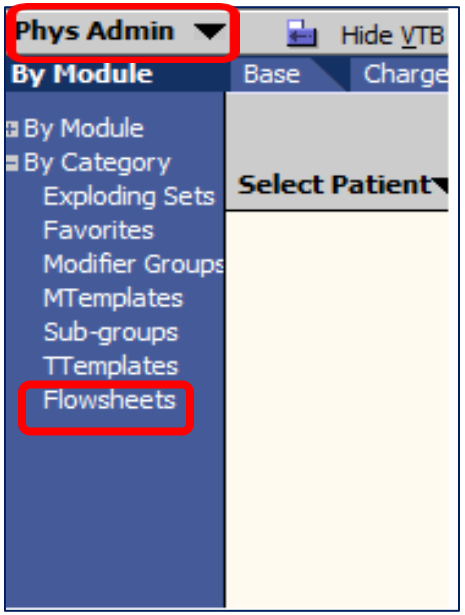
OR

If a Flowsheet tab added to the existing Clinical Desktop View will be used

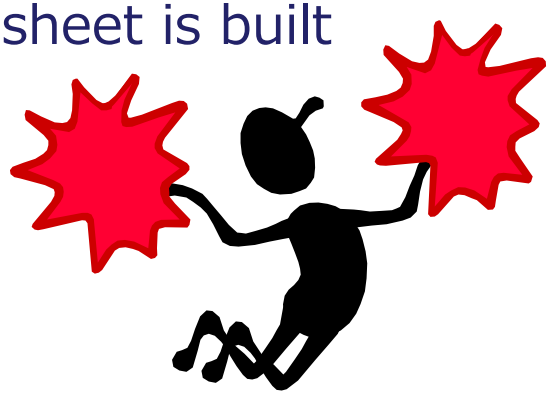




The Flowsheet Builder is accessed from the Phys Admin>Flowsheet workspace



Lets take a look at this workspace and how a flowsheet is built !!



Demonstration

Flowsheet Workspace

Flowsheets

Flowsheets

Specialty: Internal Medicine

Name :

Problem(s) Linked:

Chrono Sort: Descending Ascending

Blank Rows: Hide Show

View: Date/Sequence Date/Time

Assigned Specialty:

Link... Unlink... Add... Delete

- Asthma/COPD
- Breast CA
- Chemo
- Colon CA
- Coumadin
- Diabetes
- Diabetes - Simple
- DM Web DEMO
- Health Calculators
- Hyperlipidemia
- LFTs
- LG DM Demo
- Lung CA
- Normative Growth Chart
- Pregnancy
- Prenatal Labs
- Thyroid
- Vitals

Build Preview

There are no items to show in this view

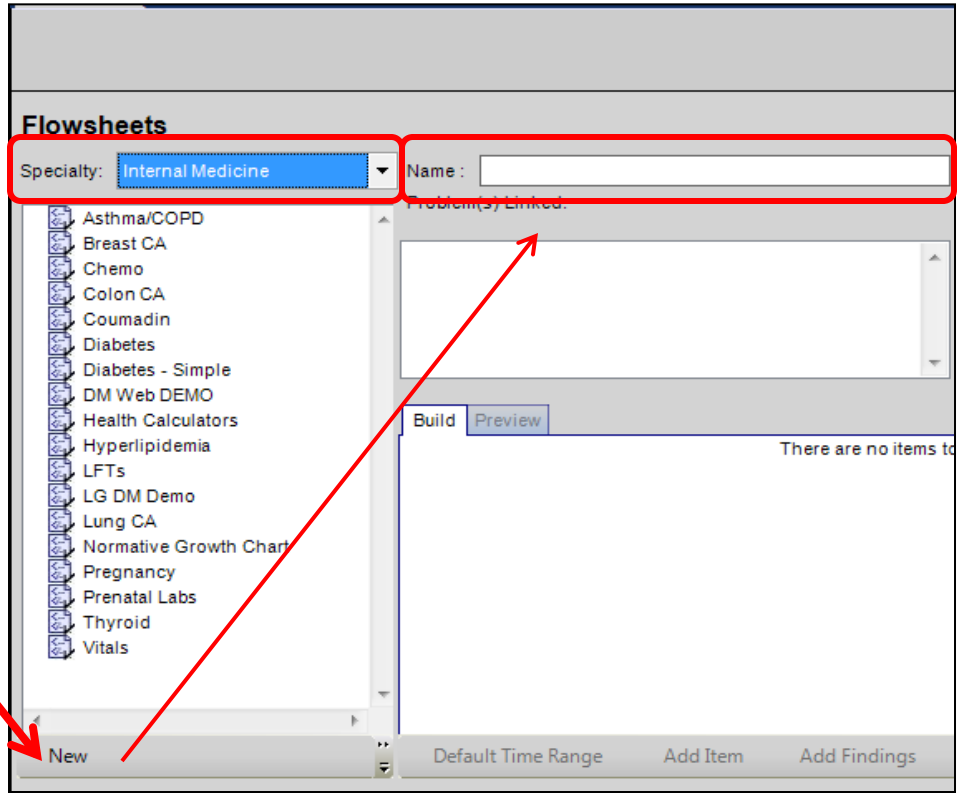
New Default Time Range Add Item Add Findings Remove

Save as Draft Delete Save Cancel

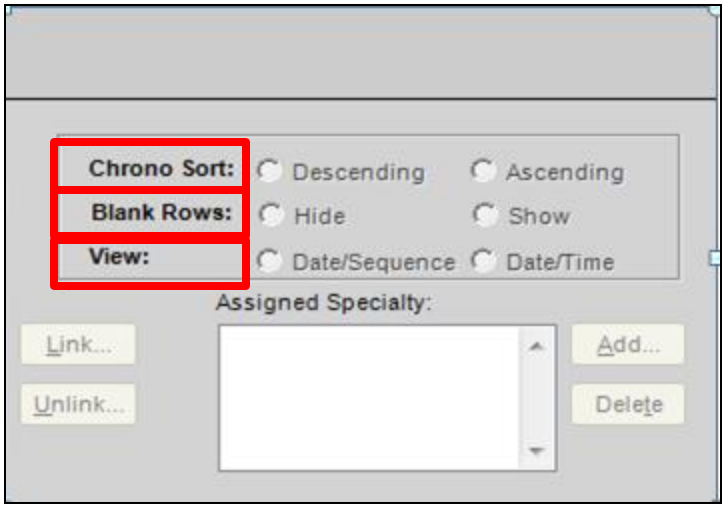
Flowsheets are built and visible by specialty

Select the specialty for which the flowsheet needs to be associated

Click new and type the name of the Flowsheet in the Name field



Chrono Sort: Flowsheet items display in the Flowsheet component in the same sequence as they are arranged here.

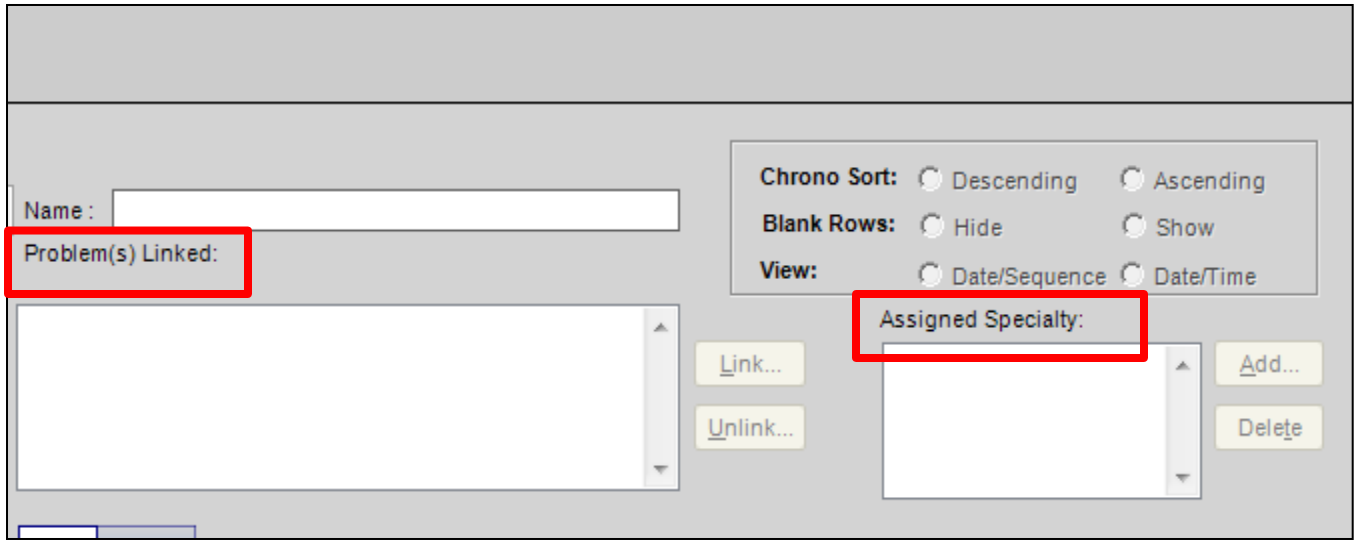


Blank Rows: Select Hide to hide blank rows or Show to display them.

View: Date/sequence or Date/Time. Date/Sequence is the default.

Problem(s) Linked:

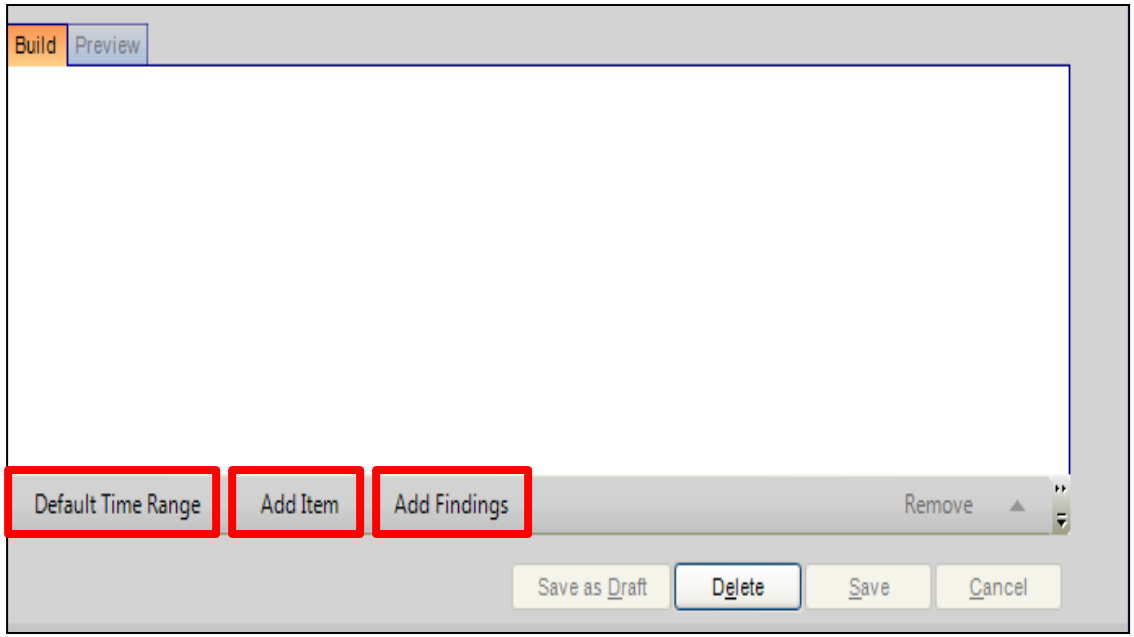
Displays problems linked to the Flowsheet.



Assigned Specialty:

Additional specialties can be added or deleted

Build



Default Time Range: applies a time frame to the flowsheet, defaults to All.

Add Item: opens the Flowsheet Item search page where you can find orderable items and medications to add to the Flowsheet

Add Findings: opens Medcin selector and allows you to add Medcin terms &/or M-Templates

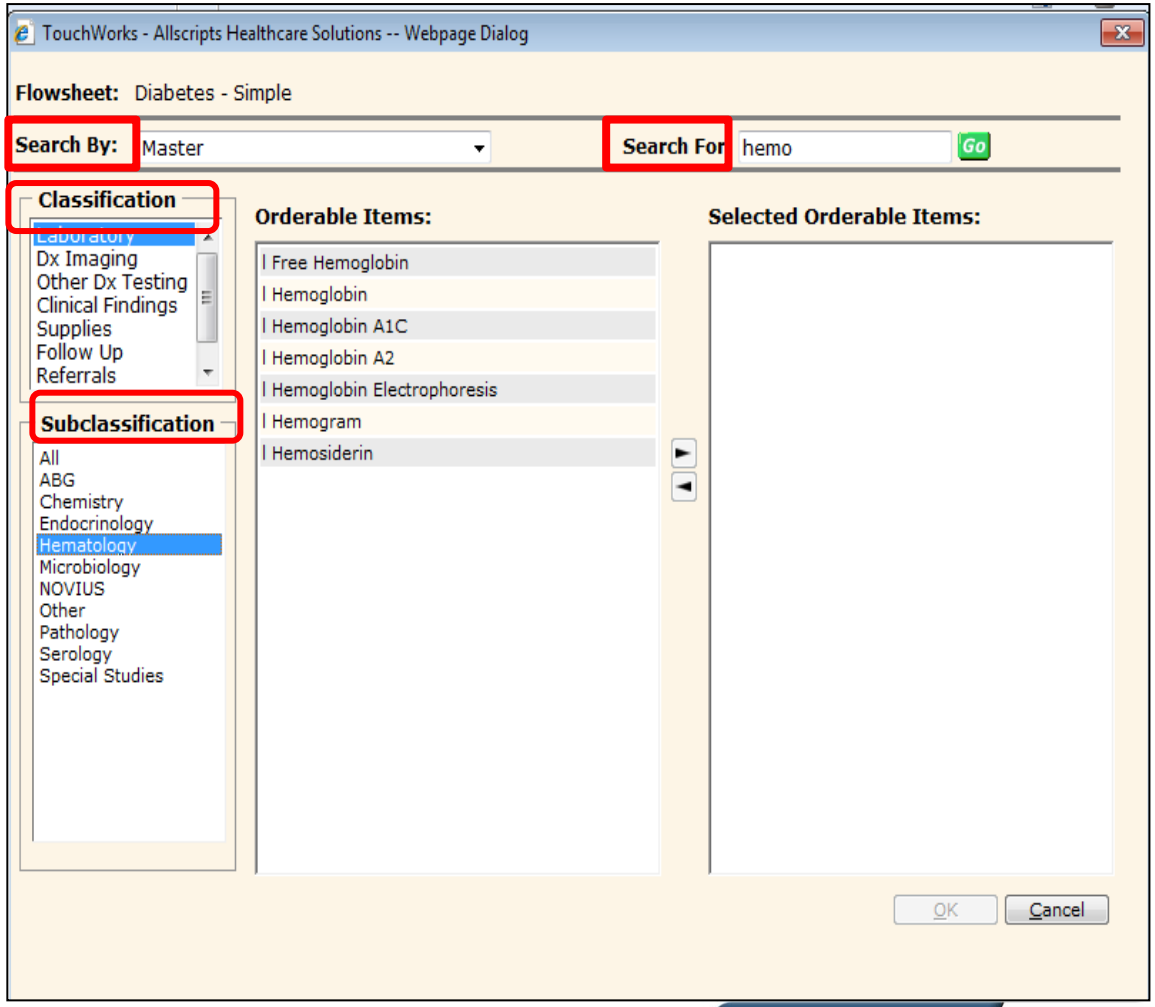
Add Item Screen

Search by:
Master/Specialty

Search For:
Orderable Item Name

Classification:
Type of order to add.

Subclassification:
More refined search of orderable items.



Search for and select the items to be included

TouchWorks - Allscripts Healthcare Solutions -- Webpage Dialog

Flowsheet: DM Web DEMO

Search By: Master **Search For:** microal Go

Classification
- Laboratory
- Dx Imaging
- Other Dx Testing
- Clinical Findings
- Supplies
- Follow Up
- Referrals

Subclassification
- All
- ABG
- Chemistry
- Endocrinology
- Hematology
- Microbiology
- NOVIUS
- Other
- Pathology
- Serology
- Special Studies

Orderable Items:
- Microalbumin, Random Urine
- Microalbumin, Timed Urine

Selected Orderable Items:
- Hemoglobin A1C
- Glucose Fasting
- Lipid Panel
- TSH
- Microalbumin, Timed Urine

OK Cancel

Once they all appear in the selected Orderable Items list click OK to add them to the Flowsheet.

Hint:
Search for and add the items in the order you would like them to be displayed in the flowsheet

Searching for medications in the OID to get the subclassification will help you locate them when adding them to the flowsheet.

TW Admin | Hide VTB

Dictionaries | Dictionaries

CareGuide Admin
Charge Admin
Chart Admin
Comm Admin
Concept Mapping
Dictate Admin
Dictionaries
Document Admin
Group Admin
Note Admin
Org Setup
PHB Comp Admin
PHB Sec Admin
Pop Health Mgmt
Preferences
Queue Admin
Provider Admin
Results Admin
Pt List Admin
Report Admin
Security Admin
Task Admin

Dictionary: Orderable Item

Search: Name | Starting With | lisinopril | Database | Medication, Immunization and Pharm

- *ANTIARRHYTHMIC*
- *ANTIASTHMATIC*
- *ANTICOAGULANTS*
- *ANTICONVULSANT*
- *ANTIDEPRESSANTS*
- *ANTIDIABETIC*
- *ANTIDIARRHEALS*
- *ANTIDOTES*
- *ANTIEMETICS*
- *ANTIFUNGALS*
- *ANTIHISTAMINES*
- *ANTIHYPERLIPIDEMIC*
- *ANTIHYPERTENSIVE*
  - *ACE Inhibitors*

Code	Name	Mnemonic
28360	Lisinopril 10 MG Oral Tablet	
35162	Lisinopril 2.5 MG Oral Tablet	
12248	Lisinopril 20 MG Oral Tablet	
58889	Lisinopril 30 MG Oral Tablet	
28361	Lisinopril 40 MG Oral Tablet	
28362	Lisinopril 5 MG Oral Tablet	
C93589	Lisinopril POWD	
93589	Lisinopril Powder	
C58889	Lisinopril TABS	
79482	Lisinopril-HCTZ 25-20 MG TABS	

Add Findings: Medcin Selector

Medcin Selector

Symptoms
History
Physical Exam
Diagnosis
Tests
Therapy/Procedures

Browse Search Search

iFilter

M-Templates
Search Clear
Name Description

Symptoms
- Allergic / Immunologic
- Breast Symptoms
- Cardiovascular Symptoms
- Encounter Background Information
- Endocrine Symptoms
  - Changes In Body Proportions Or Appearance
  - Colored Sweat
  - Decrease In Height
  - Deepening Of The Voice
  - Excessive Sweating
  - Excessive Thirst / Fluid Intake (Polydypsia)
  - Eyes Bulging Out (Proptosis) (Sx)
  - Feeling Dehydrated
  - Feeling Weak
  - Generalized Decrease In Strength
  - Hair Symptoms
  - Hot Flashes
  - Increase In Muscle Size
  - Increased Body Odor
  - Muscle Weakness
  - Reproductive Health Concerns
  - Sexual Complaints
  - Sudden Redness Of The Skin (Flushing)
  - Temperature Intolerance
  - Thermal Lability
  - Unusual Body Odor
- Eye Symptoms
- Gastrointestinal Symptoms

Feeling Dehydrated

Select All Unselect All OK Cancel

- Browse allows you to look through an entire section seeing everything available
- Search allows you to select a section and search for a specific item

Once you find the Medcin term place a check mark in the box and you will see it in the box on the right. Click ok to add it to the Flowsheet

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Using M-Templates

Medcin Selector

Symptoms
History
Physical Exam
Diagnosis
Tests
Therapy/Procedures

iFilter

Browse Search Search

M-Templates
anx Search Clear

Name	Description
Anxiety Disorders	

Template (Anxiety Disorders)
- Anxiety Disorder Due To General Medical Condition
- Anxiety Disorder Of Unknown (Axis III) Etiology
- Generalized Anxiety Disorder
- Panic Disorder Without Agoraphobia
- Panic Disorder With Agoraphobia
- Social Phobia
- Simple (Specific) Phobia
  - Acrophobia
  - Claustrophobia
- Obsessive Compulsive Disorder
- Acute Post-traumatic Stress Disorder
- Chronic Post-traumatic Stress Disorder
- Delayed Post-traumatic Stress Disorder
- Acute Stress Disorder
- Anxiety Disorder NOS

Claustrophobia

Select All Unselect All OK Cancel

- Search for the term
- Find the entry and check mark the box
- Click ok to push item(s) to flowsheet.

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Use the Preview Tab to see the Flowsheet

Flowsheets

Specialty: Family Medicine

Name : Test Flow CBC

Problem(s) Linked:

There are no items to show in this view

Link... Unlink...

Assigned Specialty:

Anesthesiology
Cardiology
Dermatology
Emergency Medicine
Hematology

Add... Delete

Chrono Sort: Descending Ascending
Blank Rows: Hide Show
View: Date/Sequence Date/Time

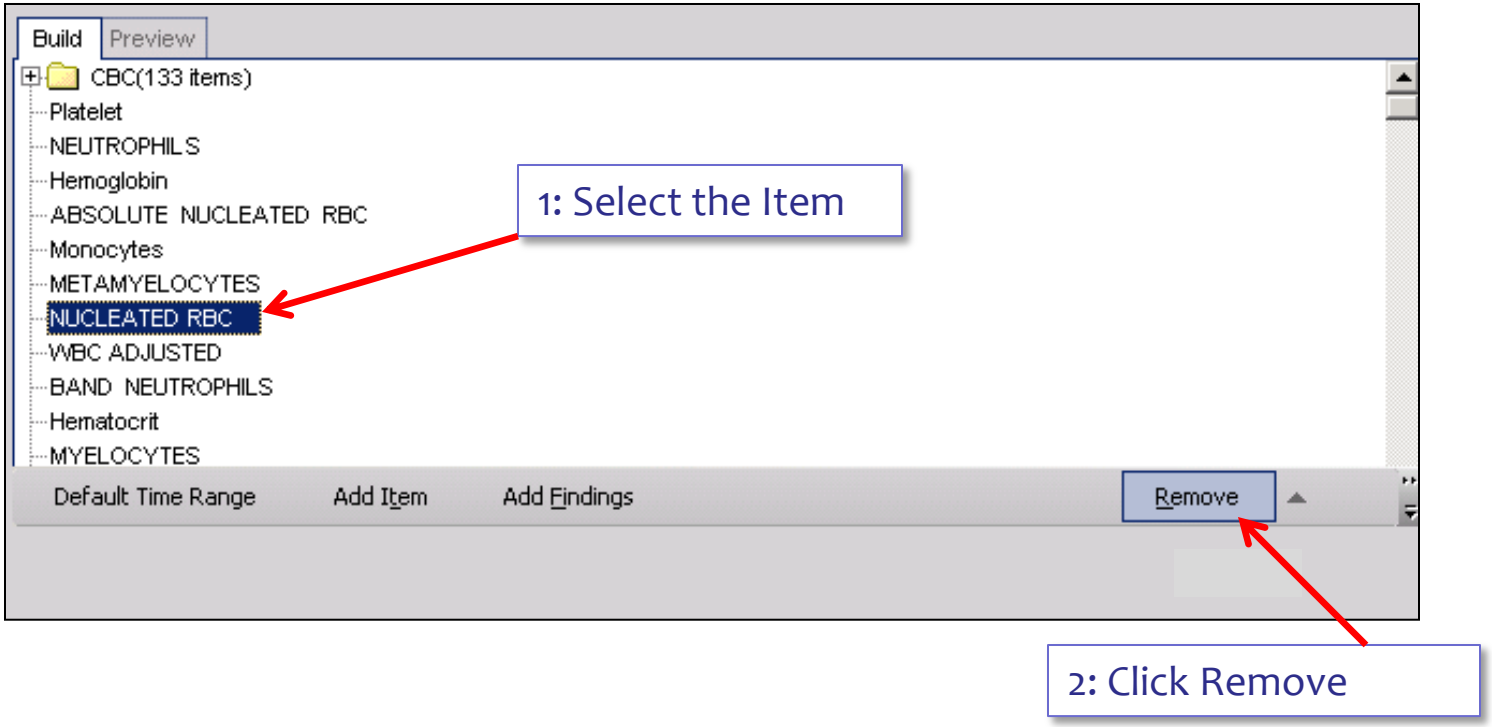
Immm & PPD
Test Flow CBC
Test Flow HIV

Build Preview

		8 Fri 2011 13:25 PM	8 Fri 2011 13:25 PM	8 Fri 2011 13:25 PM	8 Fri 2011 13:25 PM	8 Fri 13:2
	Target Cells					
	Tear Drop Cells					
	Total Cells Counted					
	Smudge Cells					
	Sickle Cells					
	Schistocytes					
	Absolute Neutrophils					
	Absolute Monocytes					

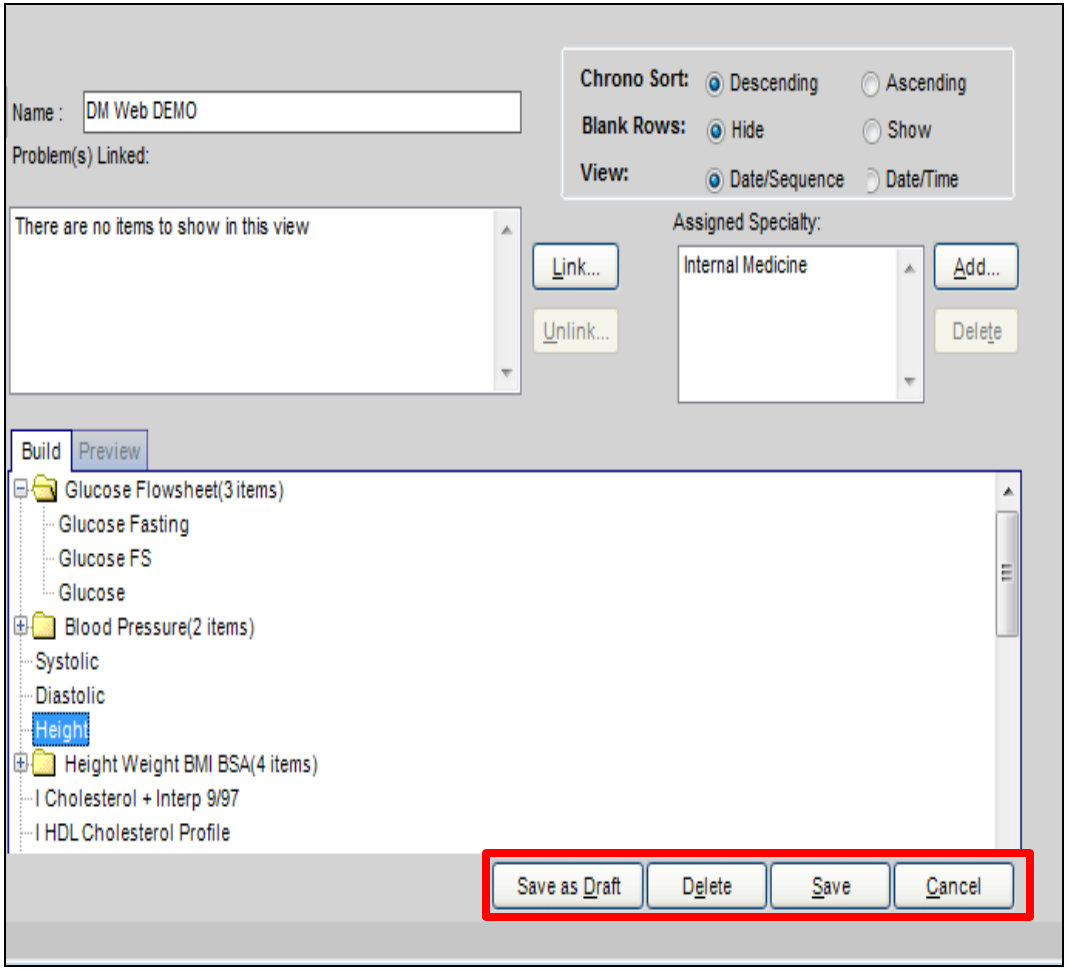
New Default Time Range Add Item Add Findings Remove

Items can be removed-



Saving

- **Save as Draft:** You can save the flowsheet as a draft if it is not ready for viewing by end users.
- **Save:** Once the flowsheet is ready for end users, bring it into context and click Save.
- **Delete:** Once a flowsheet is saved, it can be deleted.
  - If the flowsheet has multiple specialties associated with it, those specialties must be deleted before you can delete the flowsheet.



Hints Tips and Additional Info

Results are populated into a flowsheet in 3 ways:

Interfaced

- Interfaced diagnostic studies automatically populate in the flowsheet.

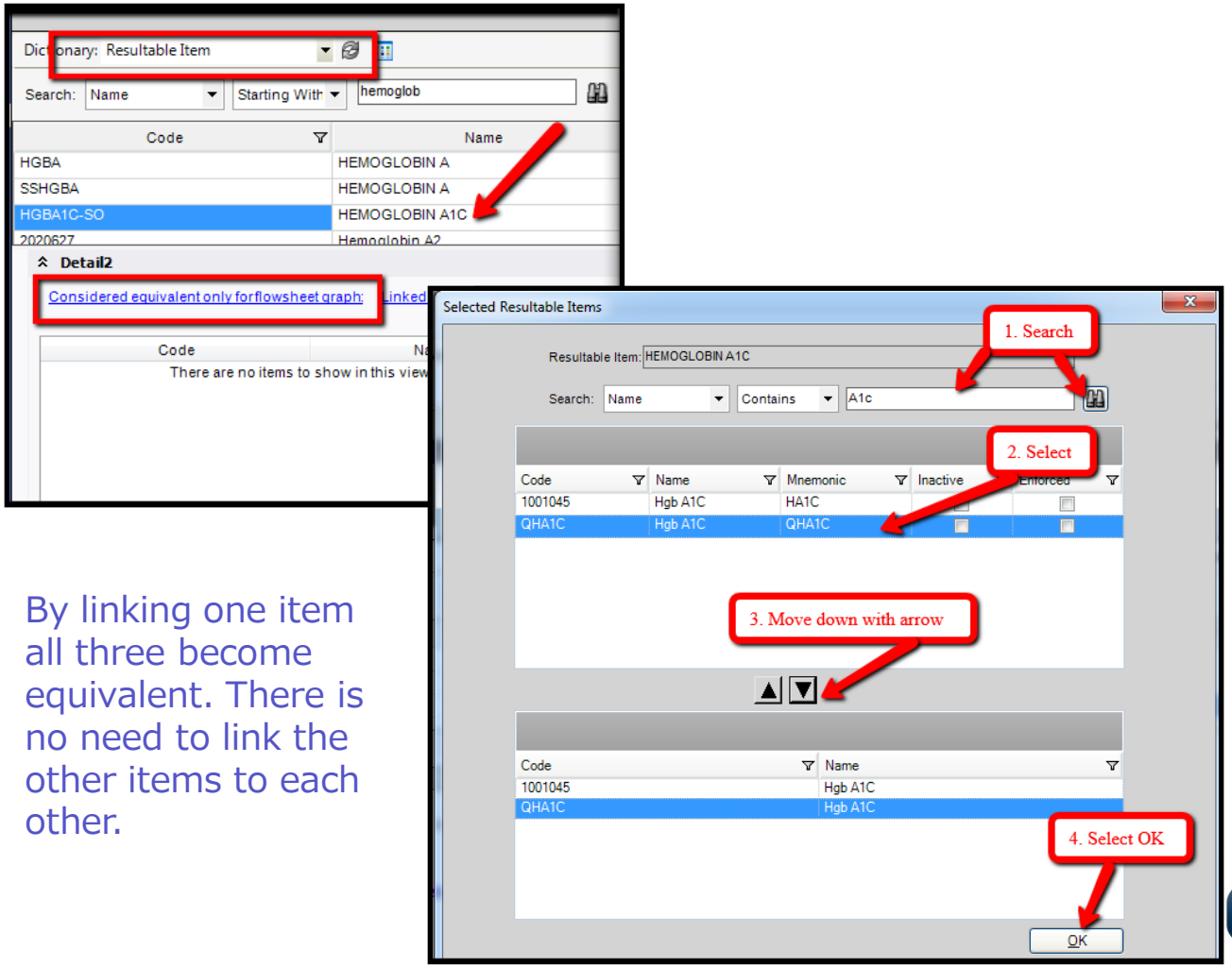
Manual Order and Result

- If no order exists for the diagnostic study, manually enter the results and testing date.

Manual Result

- Order result entry if the order exists but must be manually resulted

Considered Equivalent for Flowsheet Graph



By linking one item all three become equivalent. There is no need to link the other items to each other.

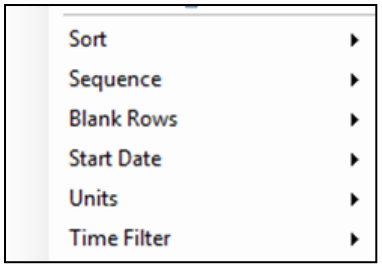
Example: You have included a Hemoglobin A1C from your In House lab, Quest has the same lab with a Code of QHA1C and your Lab Corp results the Hemoglobin A1C with a Code of 1001045. By making them equivalent all results will appear in the same flowsheet row for accurate comparison and analysis.

- **Medications will display with an "X" using the most recent reported, prescribed or renewed date.**
  - Medications will not be removed from the flowsheet when Completed, however they will be removed if Invalidated, Replaced or Discontinued.

Data Includes: All	Graph	31 Mar 2013	05 Sep 2012
Item Name		1	1
Actos 15 MG Oral Tablet	☐	X	
Fluvirin Preservative Free Intramuscular	☐	X	

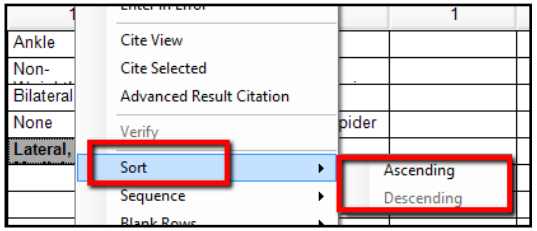
- **Immunizations administered or reported as history will display with and "X" using the administration or report date.**
  - If the exact date of administration is unknown, at least a month and year (10/2010) must be entered for the "X: to display.

Flowsheet Sort Options

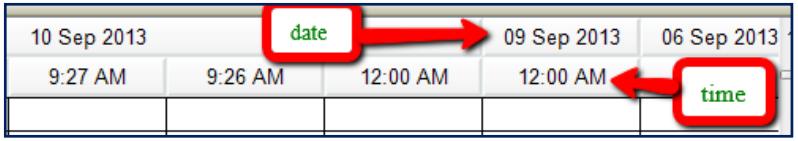


Right Click in Flowsheet space to use Sort Options

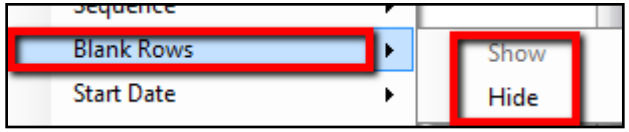
Sort- chronically by Ascending or Descending



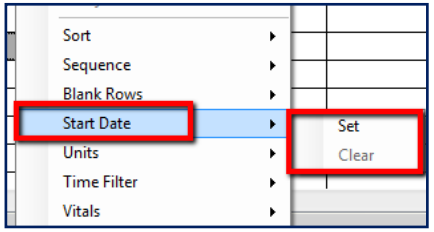
Sequence- by Date or Date & Time



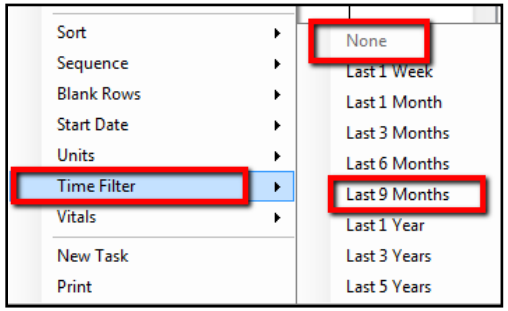
Blank Rows- Show- allows user to see all fields that are available in the flowsheet. Default is typically to Hide



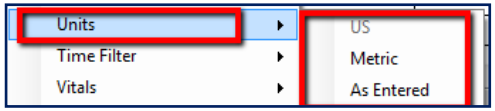
Start Date- gives you a calendar to choose a date and allows you to see results for days on or after selection. Remove filter by selecting Start Date and then Clear



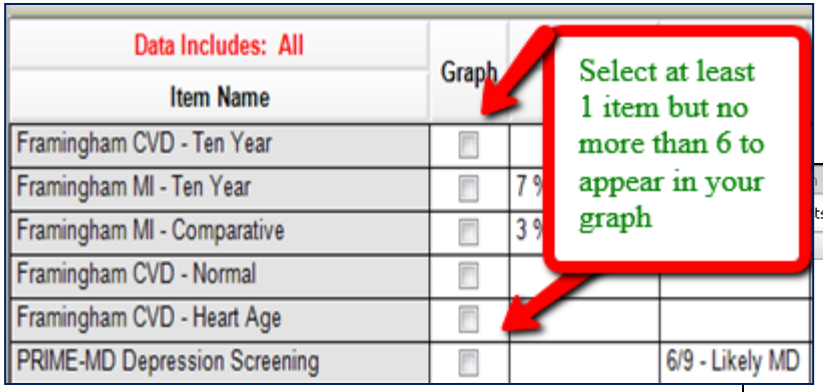
Time Filter- Time filters can be applied. Select Time Filter then select desired time frame. Remove by click Time filter and choose None

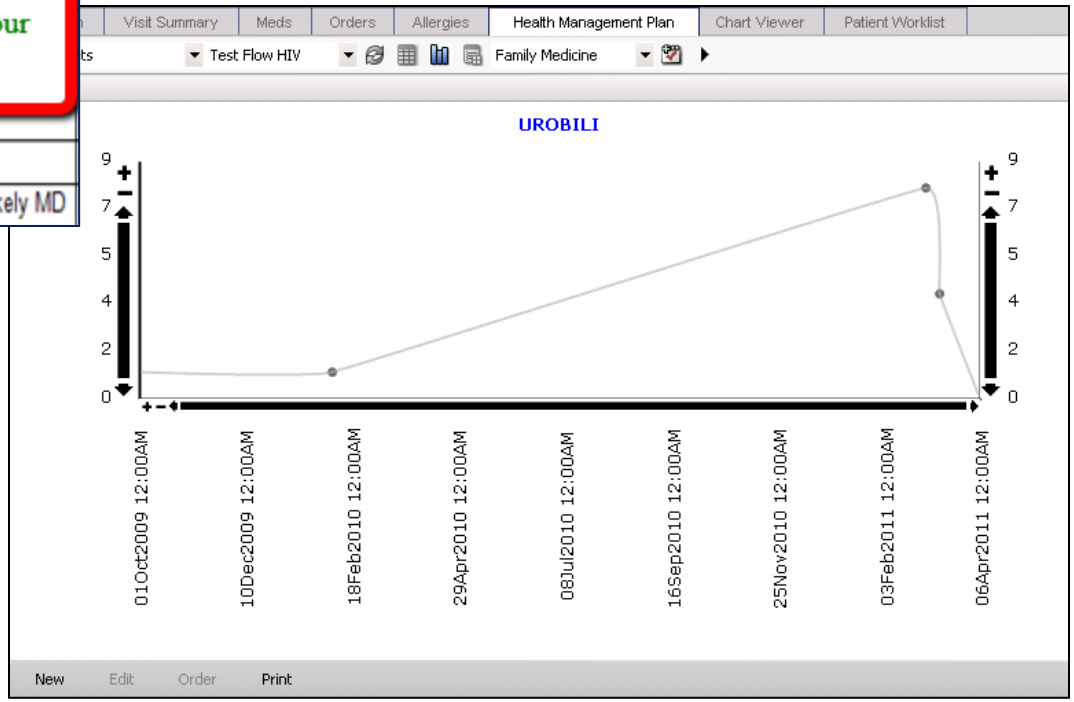


Units- Choose US, Metric or As Entered



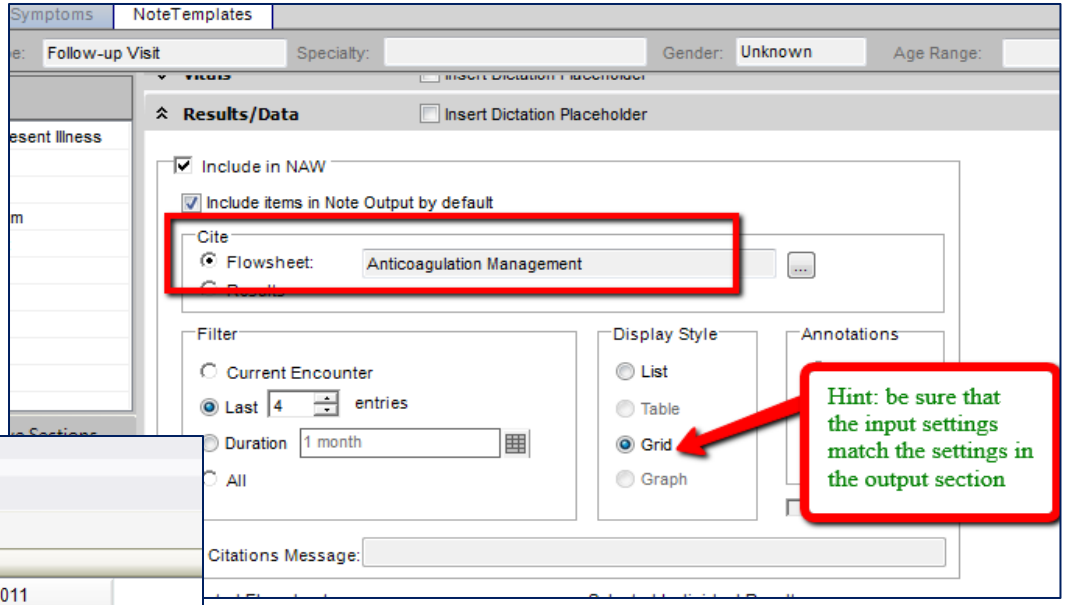
Flowsheets can be graphed by checking the box next to at least 1, but no more than 6, results; then click the Graph icon.

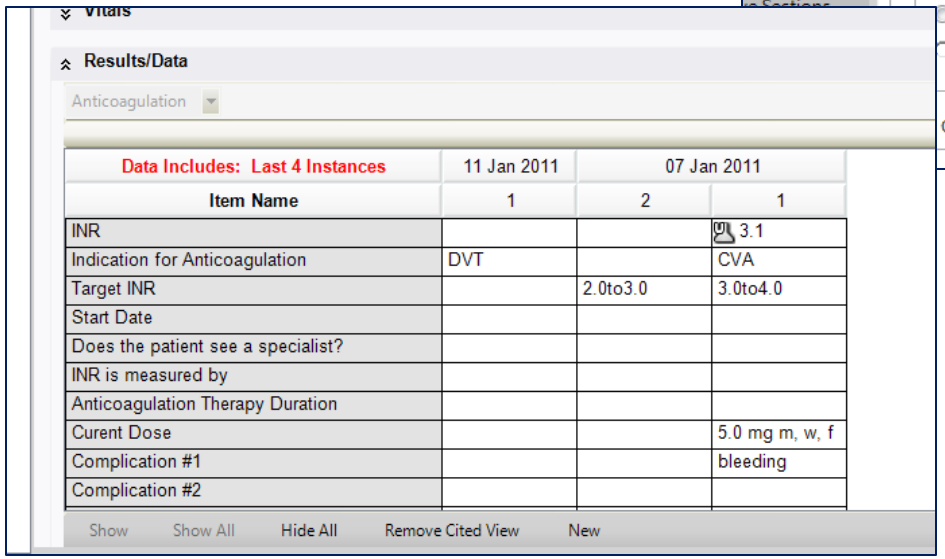




Flowsheets Can be Cited into Notes

In the Results/Data Sections of a V11 structured note by admins but cannot be added ad hoc



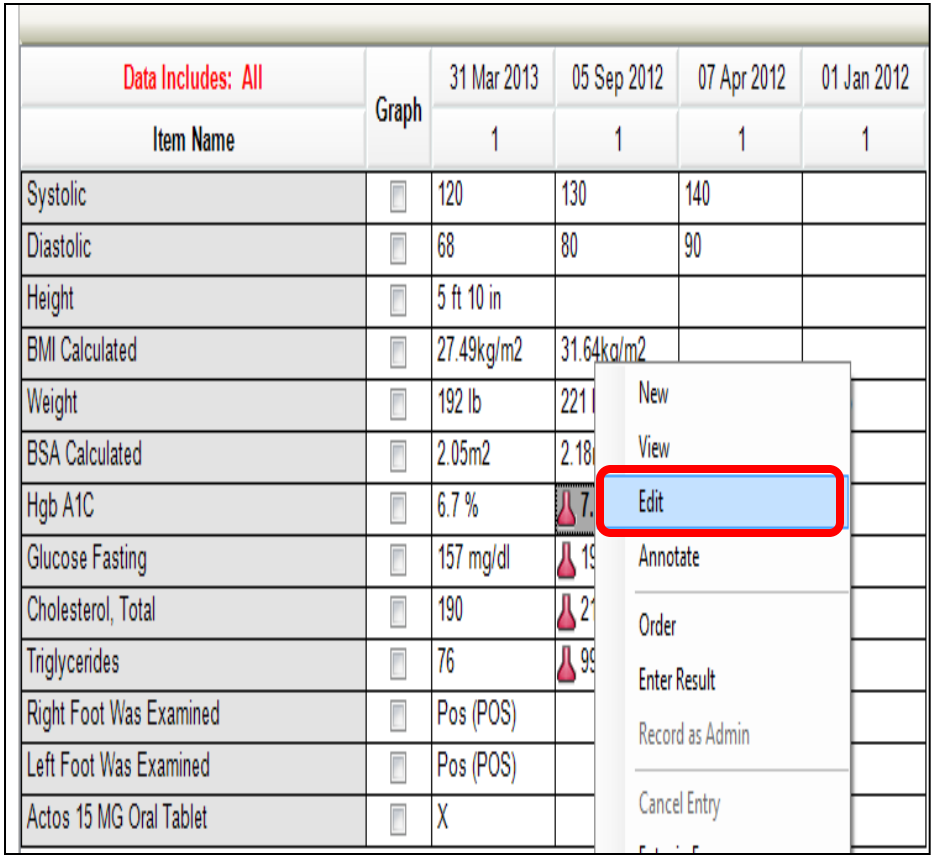


Data Includes: Last 4 Instances	11 Jan 2011	07 Jan 2011	
Item Name	1	2	1
INR			3.1
Indication for Anticoagulation	DVT		CVA
Target INR		2.0to3.0	3.0to4.0
Start Date			
Does the patient see a specialist?			
INR is measured by			
Anticoagulation Therapy Duration			
Curent Dose			5.0 mg m, w, f
Complication #1			bleeding
Complication #2			

Right Click > Edit

- To edit an entry/result, right click on an existing result and select edit. The Order Details dialog will display with the Results tab selected. Edit desired fields and click Ok. Commit, Save and Continue.

- To remove an entry/result, right click on an existing entry and select Enter in Error. (This will delete the entire column.) Commit, Save and Continue.



Printing

Flowsheets can easily be printed:

- Click the Print button on the toolbar
- Right clicking and selecting Print.

- In v11.2+, there were enhancements made to display more of the fields when printing

Q&A

Questions?

- **Submit further questions to education@galenhealthcare.com**
- **Visit http://galenhealthcare.com/calendar/ for future webcasts**
- **Visit http://wiki.galenhealthcare.com/Build_Flowsheets for a detailed step-by-step build of Flowsheets.**
- **Presentation slides and complete Q&A will be posted at http://wiki.galenhealthcare.com/Flowsheet_Build**

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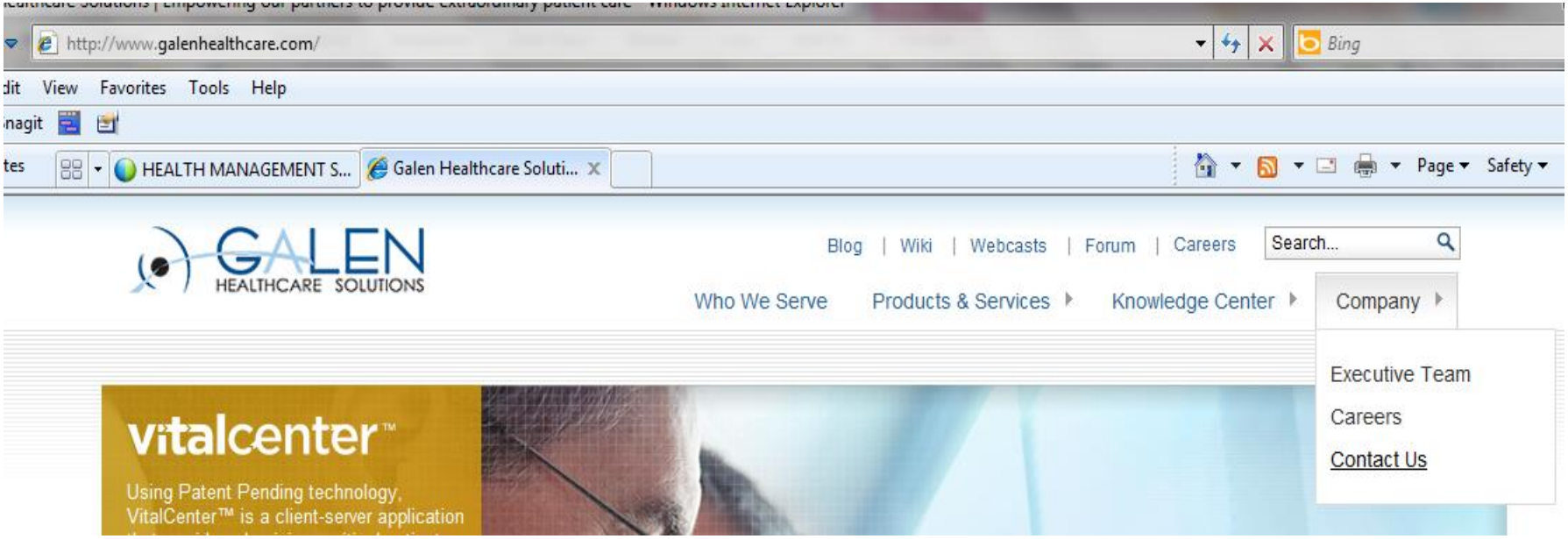
Thank you for joining us today, for additional assistance….

You can contact us through our website at

www.galenhealthcare.com



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