



Flowsheet Build

Webcast 04.15.11

Embrace the new world of healthcare



Flowsheets

- Flowsheets are a convenient tool for providers to view patient data over time and to analyze trends.
- A flowsheet is a spreadsheet of columns and rows. Columns represent an interval of time, such as a day or week. Rows represent clinical data, such as results, vital signs, medications or other clinical findings.

Flowsheets

- *Columns represent an interval of time:*

Data Includes: Start Date: 01 Jan 0001		10 Mar 2011	01 Mar 2011	14 Apr 2010	04 Feb 2010	01 Oct 2009
Item Name	Graph	1	1	1	1	1
Clarity	<input type="checkbox"/>			Turbid	Turbid	Clear
UROBILI	<input type="checkbox"/>	4			1	1
COLOR	<input type="checkbox"/>		Testing the			yellow
Leukocyte Esterase	<input type="checkbox"/>	Moderate			Trace	Moderate
Nitrite	<input type="checkbox"/>	Positive			Negative	Negative
Protein	<input type="checkbox"/>	30			Trace	30
Blood	<input type="checkbox"/>	Small			Negative	Moderate
Specific Gravity	<input type="checkbox"/>	1.030			1.000	* 1.015

- *Rows represent clinical data:*

Flowsheets

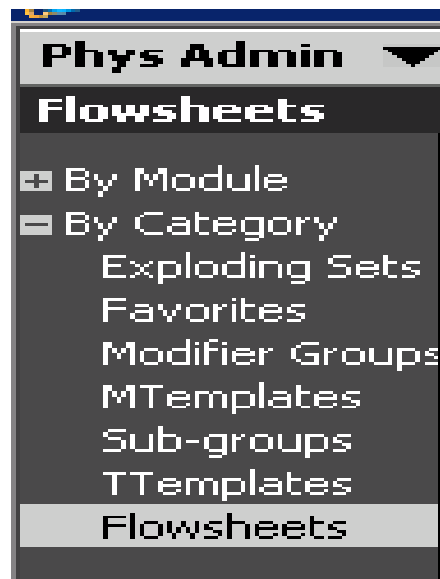
- The first step to creating a flowsheet is to gather data from the specialties which need flowsheets. You will need to know which results, medications, vital signs, etc, they will want to have displayed for the patients.
- *Examples of typical flowsheets are Diabetes, Coumadin, Congestive Heart Failure, Coronary Artery Disease, Thyroid Cancer, etc.*

Flowsheets

- It will need to be determined if the HMP tab will be used to navigate to view flowsheets, or if a Flowsheet tab will be added to the existing Clinical Desktop Views.
- *You will also want to consider this for the tabs within the Note Authoring Workspace.*

Flowsheets

- The Flowsheet Builder is accessed from the PhysAdmin Flowsheets workplace. From here, we are going to show you how to create and edit flowsheets, and to add items, Medcin templates and findings to flowsheets.



Flowsheets

- Flowsheets are listed and built by specialty, which means only users assigned to the specialty will see the flowsheet.
 - Select the specialty for which the flowsheet needs to be linked.
 - Click New and type the name in the Name field.
-

Flowsheets

- Select the Chrono Sort by either ascending or descending.
 - Select to Hide or Show Blank Rows. It is recommended to hide the blank rows, so only rows containing data are displayed.
 - Select the View sequence of Date or Date/Time. Date only is recommended to reduce clutter on the flowsheet, however you can toggle this as an end user from the flowsheet.
-

Flowsheets

- If the flowsheet should be associated with a problem, click the Link button and search for the problem.
 - If any specialty other than the original selected is needed, click the Add button and search for the specialty.
 - Default Time Range is used to apply a time frame to the flowsheet. This represents what will display on the flowsheet on the Clinical Desktop.
-

Flowsheets

- Items will display in the order you select them. Plan your search in the order you want the end user to see them.
- Add Item allows you to link orderable items to the flowsheet. From here, you can search by typing in the description in the Search For text field, or by selecting a classification type from the Classification list. Once the item is found, click on it in the Orderable Items list and click the right arrow button to push the item to the Selected Orderable Items list. Once all items have been selected, click Ok to view the items on the Build tab in the Flowsheet workplace.

Flowsheets

TouchWorks - Allscripts Healthcare Solutions -- Webpage Dialog

Flowsheet: Test Flow CBC

Search By: Master **Search For:** hemoglobin

Classification	Orderable Items:	Selected Orderable Items:
Laboratory	Glycohemoglobin (GHb),Total - L	Hemoglobin
Dx Imaging	Hemoglobin	
Other Dx Testing	HEMOGLOBIN A1c W/REFL TO GLYCOMARK(R)	
Clinical Findings	Hemoglobin A2	
Supplies	Hemoglobin Electroph	
Follow Up	Hemoglobin F, Quant.	
Referrals	Hemoglobin POC	
	Hemoglobin S, Quantitation	
	Hemoglobin, Plasma	
	HEMOGLOBINOPATHY EVALUATION - Q	
	Methemoglobin	
	SICKLE CELL SCREEN W/REFL HEMOGLOBINOPA	
	THALASSEMIA AND HEMOGLOBINOPATHY COMP	
	TOTAL GLYCOHEMOGLOBIN	
	U Hemoglobin	

Flowsheets

- *For medications, it is best to search for the medication in the OID to get the subclassification, so you can locate them more easily while adding items.**

TW Admin Hide YTB

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

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	

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

Flowsheets

- Add Findings allows you to link Medcin Templates and Findings to your flowsheet. To add findings, you can select a note section from the top left side of the screen or by selecting the Search radio button and typing in the finding you need and clicking Search. Check the boxes that represent the Clinical Findings needed for the flowsheet. This will change the text color to magenta, and will display the finding on the right side of the screen. Click Ok to view the items on the Build tab.

Flowsheets

Medicin Selector
X

- Symptoms
- History
- Physical Exam
- Diagnosis
- Tests
- Therapy/Procedures

Browse
 Search Search

M-Templates

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 Labilty
 - Unusual Body Odor

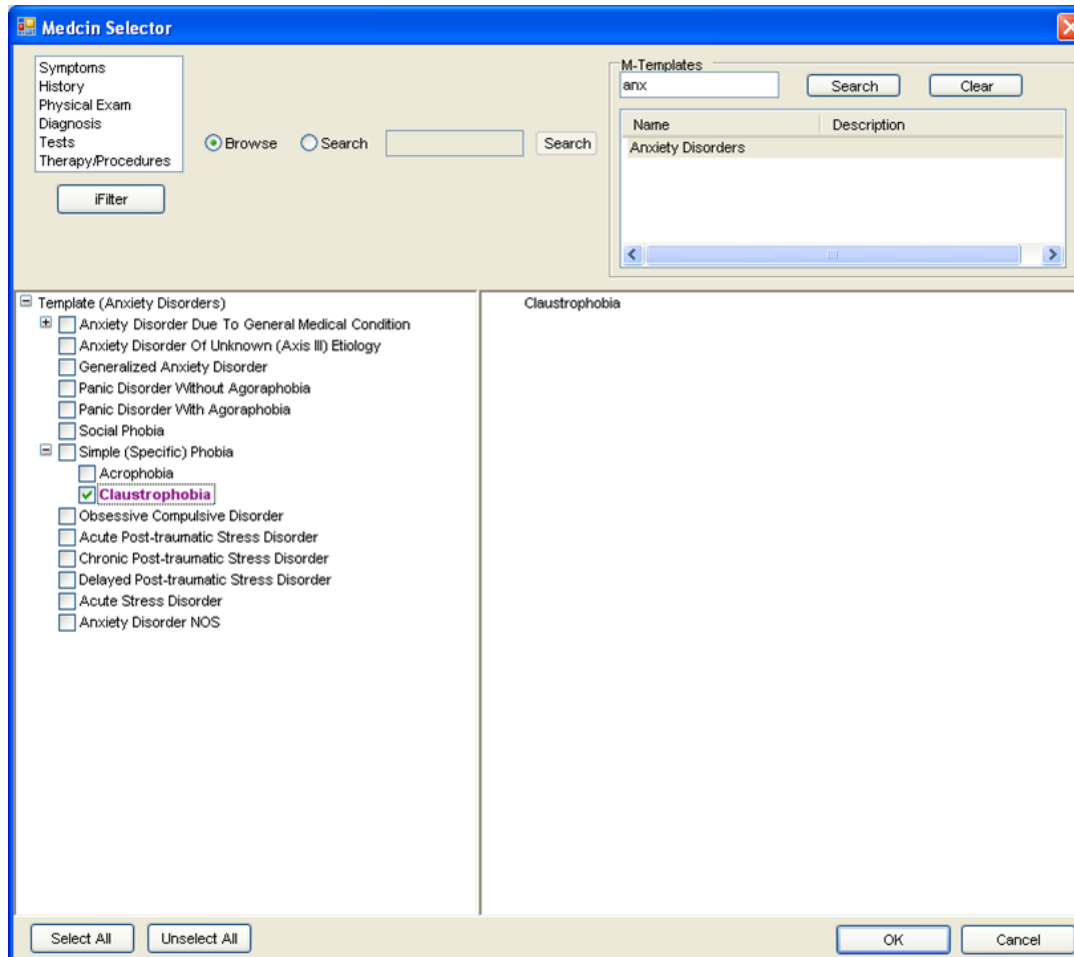
- Eye Symptoms
- Gastrointestinal Symptoms

Feeling Dehydrated

Flowsheets

- To add Medcin Templates, type in the template name in the MTemplates field and search. Check the boxes that represent the MTemplates needed for the flowsheet. This will change the text color to magenta and will display the template on the right side of the screen. Click Ok to view the items on the build tab.

Flowsheets



The screenshot shows the 'Medicin Selector' application window. It features a top navigation bar with categories: Symptoms, History, Physical Exam, Diagnosis, Tests, and Therapy/Procedures. Below this is a 'Browse' button and a search field. On the right, there is an 'M-Templates' section with a search input containing 'anx' and a 'Search' button. Below the search is a table with columns 'Name' and 'Description', showing 'Anxiety Disorders'. The main area is divided into two panes. The left pane, titled 'Template (Anxiety Disorders)', contains a list of conditions with checkboxes. 'Claustrophobia' is checked and highlighted with a pink box. The right pane is titled 'Claustrophobia'. At the bottom, there are buttons for 'Select All', 'Unselect All', 'OK', and 'Cancel'.

Medicin Selector

Symptoms
History
Physical Exam
Diagnosis
Tests
Therapy/Procedures

Browse Search Search

IFilter

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

Flowsheets

- *At any point, you can click the Preview tab to see how your flowsheet will display for the end user.

Flowsheets

Specialty: Family Medicine Name: Test Flow CBC

Problem(s) Linked: There are no items to show in this view

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

Assigned Specialty: Anesthesiology Cardiology Dermatology Emergency Medicine Hematology

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

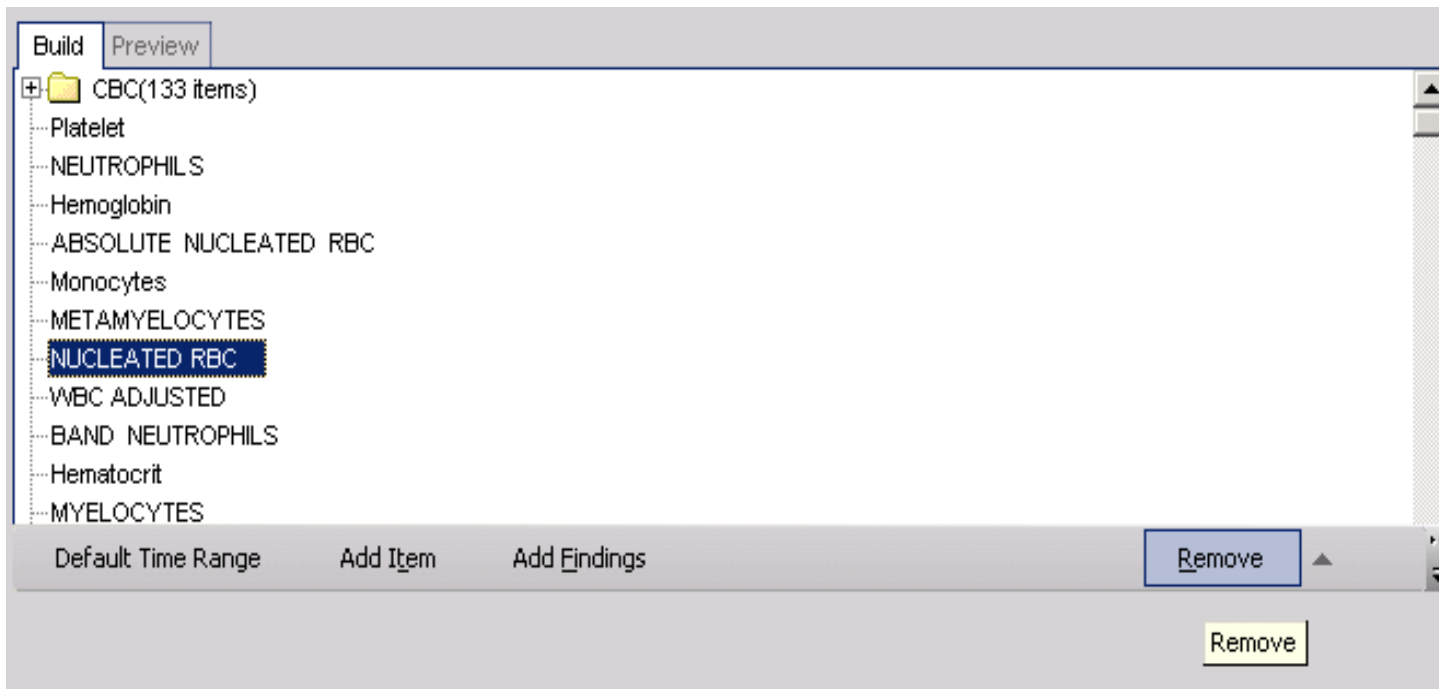
Build Preview

	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
<input checked="" type="checkbox"/> Target Cells					
<input type="checkbox"/> Tear Drop Cells					
<input type="checkbox"/> Total Cells Counted					
<input type="checkbox"/> Smudge Cells					
<input type="checkbox"/> Sickle Cells					
<input type="checkbox"/> Schistocytes					
<input type="checkbox"/> Absolute Neutrophils					
<input type="checkbox"/> Absolute Monocytes					

New Default Time Range Add Item Add Findings Remove

Flowsheets

- To remove items, highlight the item and click the Remove button. You can also move items up within the list by clicking the up arrow by the Remove button.



Flowsheets

- You can save the flowsheet as a draft if it is not ready for viewing by end users. Once the flowsheet is ready for end users, bring it into context and click Save.
- 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.

Flowsheets

Demonstration

Flowsheets

- Results are populated into a flowsheet in 3 ways:
 - Interfaced diagnostic studies automatically populate in the flowsheet.
 - If no order exists for the diagnostic study, manually enter the results.
 - Order result entry if the order exists but must be manually resulted.
-

Flowsheets

- Vital signs display as entered into the vital signs order details.

Flowsheets

- 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	11 Apr 2011
Item Name		1
Acid Controller 10 MG Oral Tablet	<input type="checkbox"/>	X

Flowsheets

- Immunizations administered or reported as history will display with an “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.

Flowsheets

- Flowsheet entries can be sorted and filtered using right click options:
 - Date is what typically shows. Click the Date/Time Sequence to display both the date and time, and click it again to return to date only.
 - Time filters can be applied. Click Time Filter and select the desired time frame. Remove by clicking the Time Filter and selecting None.
 - Sort chronologically either in ascending or descending order.
-

Flowsheets

- Set the start date by clicking Start Date and selecting a date. This allows you to show results for dates on or after the date you select. Remove by clicking Start Date and Clear Date.

Flowsheets

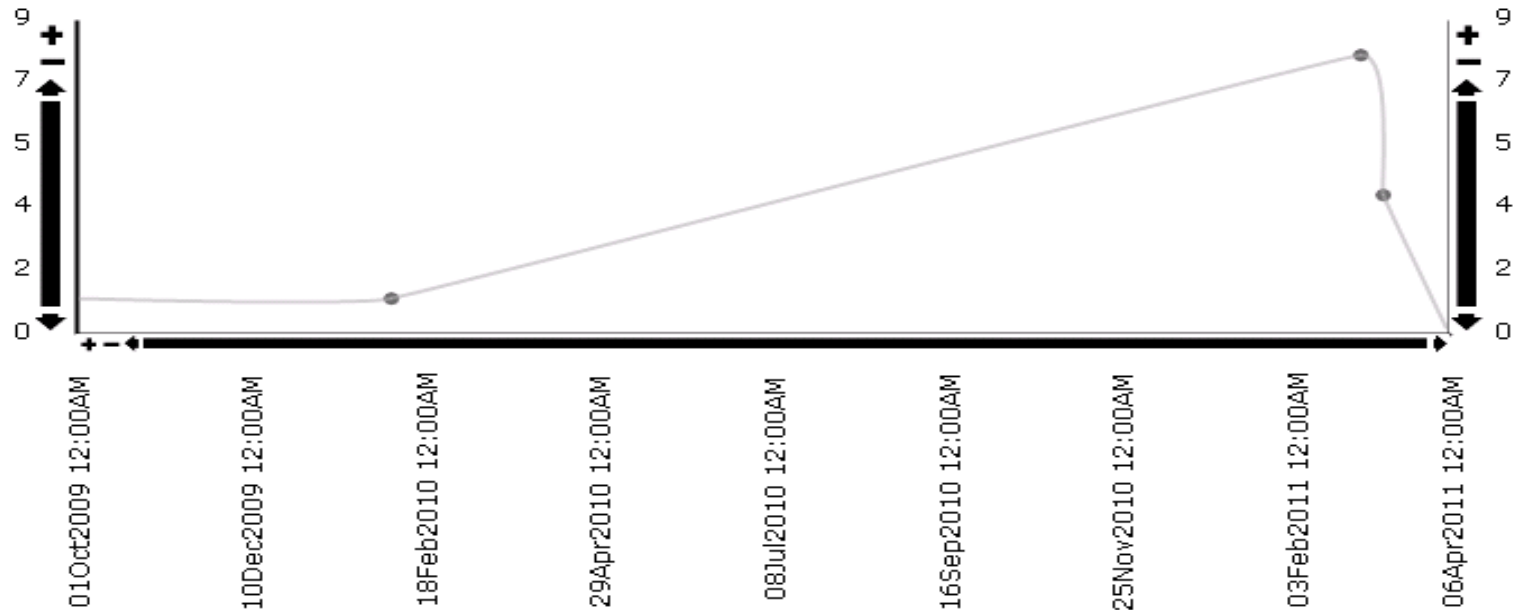
- Flowsheets can be graphed by checking the box next to at least 1, but no more than 6, results; then click the Graph icon.



Flowsheets

Problem	Visit Summary	Meds	Orders	Allergies	Health Management Plan	Chart Viewer	Patient Worklist
FlowSheets		Test Flow HIV			Family Medicine		

UROBILI



Flowsheets

- Flowsheets can also be edited:
 - 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.

Flowsheets

- Flowsheets can easily be printed by clicking the Print button on the toolbar, or right clicking and selecting Print. In v11.2, there are new print options to display more of the fields when printing – Flowsheet Double Wide and Flowsheet Double High.

Flowsheets

Demonstration

Overview of Galen Services

- Professional Services
 - Project Management
 - Implementation Consulting
 - Technical Services
 - Interface
 - Reporting
 - Technical Training Specialists
 - Remote Services
 - Remote, Scalable, Resources
 - v10 to v11 Upgrades
 - Service Pack Upgrades
 - Note/Order/Charge Build
 - High-Level Strategic Planning
-

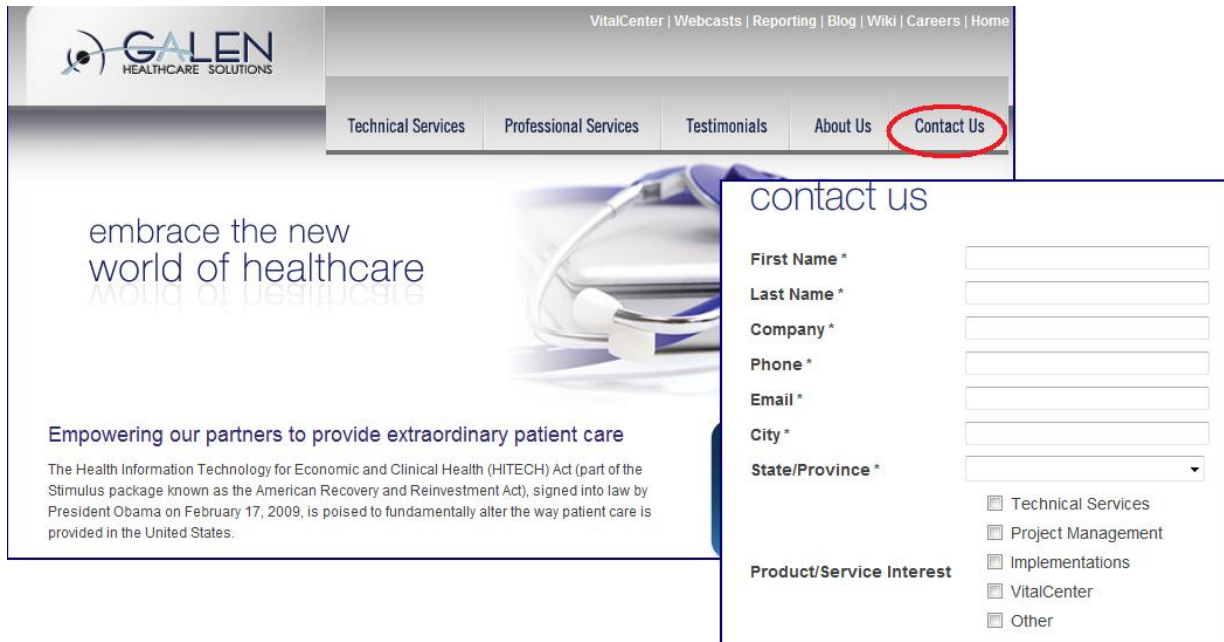
Questions????



You can submit your question through the gotomeeting control panel.

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

You can contact us through our website at www.galenhealthcare.com



The screenshot shows the GALEN Healthcare Solutions website. The top navigation bar includes links for VitalCenter, Webcasts, Reporting, Blog, Wiki, Careers, and Home. Below this is a secondary menu with links for Technical Services, Professional Services, Testimonials, About Us, and Contact Us. The 'Contact Us' link is circled in red. The main content area features the slogan 'embrace the new world of healthcare' and a sub-headline 'Empowering our partners to provide extraordinary patient care'. A stethoscope image is visible. A 'contact us' form is overlaid on the right side of the page, containing the following fields and options:

- First Name *
- Last Name *
- Company *
- Phone *
- Email *
- City *
- State/Province *
- Product/Service Interest (checkboxes):
 - Technical Services
 - Project Management
 - Implementations
 - VitalCenter
 - Other