

Results Review Tab

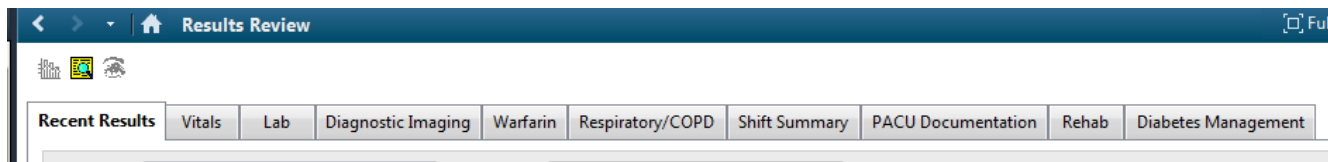
The tab divided into several flowsheets. The four flowsheets viewed by most clinicians are

- Recent Results
- Vitals
- Lab
- Diagnostic Imaging

Other tabs that may be seen depending upon the clinician's position are

- Warfarin
- Resp/COPD Pathway
- Shift Summary
- PACU
- Rehab
- Diabetic Management

You are not able to document directly on these tabs.



Changing the View on all flowsheets (Results Review, Vitals, Assessments)

Clinicians can use the Table, Group and List views to change the way the flowsheet displays the information to aid in trending and viewing data in an alternate fashion.

- **Table view** is the standard flowsheet viewing method

The screenshot shows the 'Vitals View' flowsheet in 'Table' view. The interface includes a 'Navigator' on the left with expandable sections for 'Vitals View', 'Measurements', 'Weight Change Information', 'Vital Signs', 'Basic Oxygen Information', and 'Blood Glucose'. The main area displays a table with columns for dates and rows for various vital signs and measurements. The 'Vitals View' section is expanded, showing a table with columns for dates and rows for various vital signs and measurements.

2016-Dec-15 08:15 - 2017-Jan-06 10:48 (Admit to Current Date)					
Vitals View		2016-Dec-21 17:30	2016-Dec-21 12:30	2016-Dec-21 10:15	2016-Dec-21 08:15
Measurements					
Height			160 cm	172	
HT Type				Actual	
Weight			78 kg	80	
Wt Type				Estimated	
Body Mass Index			30.47		
Weight Change Information					
Unintentional weight loss last 6 months			No		

- **Group view** allows clinicians to trend data in a vertical manner by displaying the vertical axis as the result date/time and the horizontal axis as the charted value

Vitals View			
Measurements	Height	Weight	Body Mass Index
7/3/2006 3:01 PM CDT	120.00	100.00	69.44
10/25/2004 9:06 AM CDT	120.00	20.00	83.33
Vital Signs	Temperature	Temperature	Peripheral Pulse
2/16/2006 4:07 PM CST	C 42.0		
2/16/2006 3:58 PM CST	H 41.0		
12/21/2005 12:37 PM CST		38	67
12/21/2005 12:29 PM CST		37	* L (c) 55
7/11/2005 3:49 PM CDT	37.0		88
3/30/2005 3:35 PM CST	99.0		
3/30/2005 3:34 PM CST	H 39.0		
1/18/2005 2:37 PM CST	37.0		80
9/17/2004 1:43 PM CDT			
5/20/2004 1:04 AM CDT			
1/28/2004 4:35 AM CST	37.0		68

- **List view** can be used to view all the results that were charted during at a specific time together, rather than being divided into the normal groupings of results.

Event Date	Event	Result	Ref. Range	Status
1/28/2004 4:35 AM CST	Temperature Oral	37.0	(35.8 - 37.3)	
	Peripheral Pulse Rate	68	(60 - 100)	
	Respiratory Rate	16	(14 - 20)	
	Systolic Blood Pressure	120	(90 - 140)	
	Diastolic Blood Pressure	80	(60 - 90)	
	Mean Arterial Pressure	93		
3/24/2004 3:17 PM CST	Oxygen Flow Rate	2.0		
5/20/2004 1:04 AM CDT	Systolic Blood Pressure	114	(90 - 140)	
	Diastolic Blood Pressure	72	(60 - 90)	
	Mean Arterial Pressure	86		
9/17/2004 1:43 PM CDT	Systolic Blood Pressure	120	(90 - 140)	
	Diastolic Blood Pressure	80	(60 - 90)	
	Mean Arterial Pressure	93		
9/17/2004 1:54 PM CDT	Primary Pain Location	Parietal		

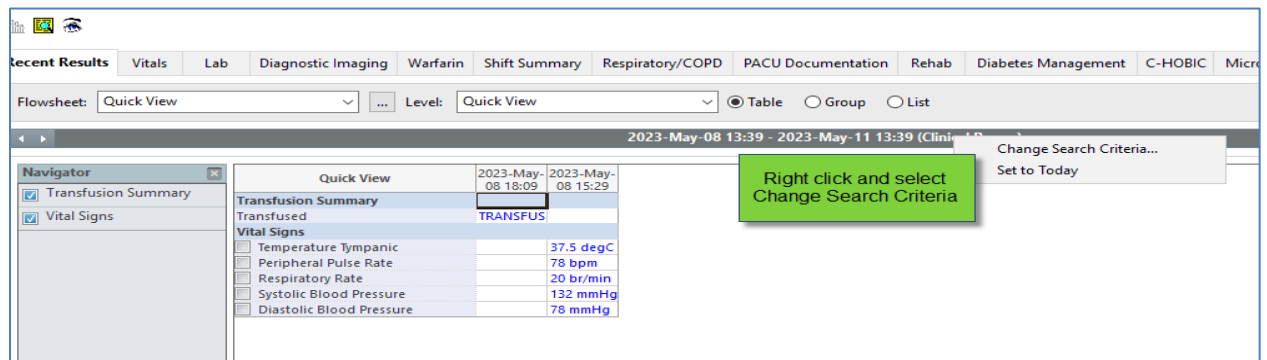
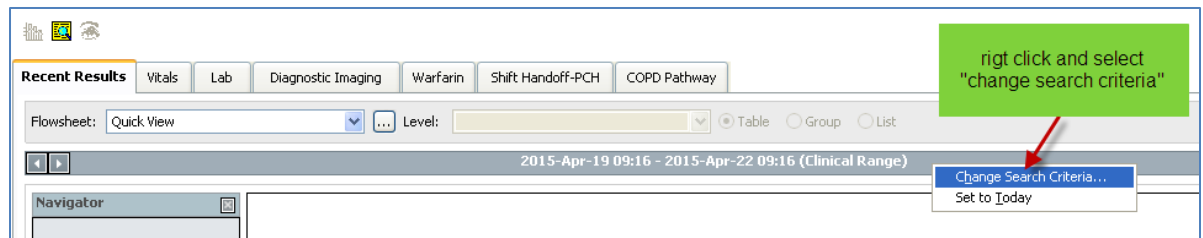
Flowsheet Functionality

Changing the Clinical Date Range

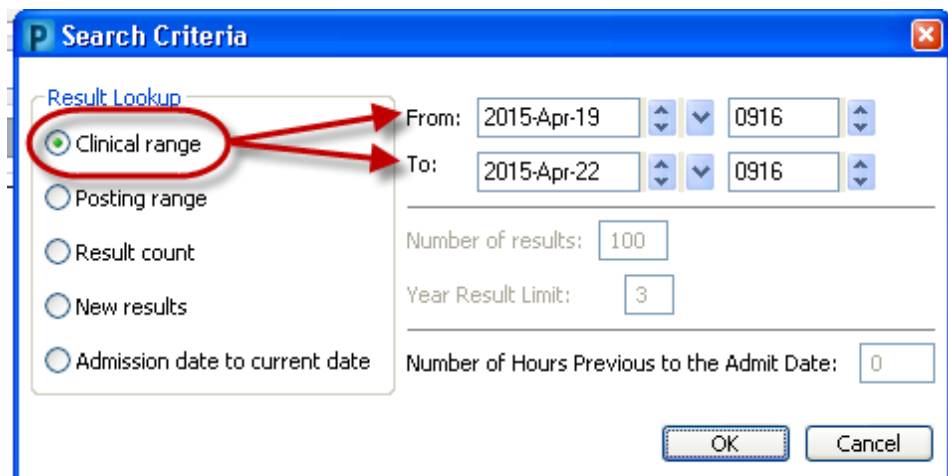
The Clinical Date Range is located above the Navigator and the Results Display. The number of days you have visible in the flowsheet will depend on which flowsheet you have displayed.

To change the Clinical Range:

1. Right click on the Clinical Range bar.
2. Select Change Search Criteria



3. In the Search Criteria box, select the desired criteria



- Clinical Range – enter the desired date and time range
- Posting Range – enter a date and time range for when the results were sent to the system **(NOT RECOMMENDED)**
- Result Count – enter a number in the Number of Results fields to get all results
- Admission date to Current date – displays all results from admission to current date **(Not recommended for prolonged encounters)**

4. Click OK.

Bookmark icon

The screenshot shows the PowerChart interface. At the top, there is a navigation bar with icons for Home, Recent Results, and a bookmark icon (a blue square with a white bookmark symbol). A red arrow points from the text 'bookmark icon' to this icon. Below the navigation bar, there are tabs for 'Recent Results', 'Vitals', 'Lab', 'Diagnostic Imaging', 'Warfarin', 'Shift Handoff-PCH', and 'COPD Pathway'. The 'Recent Results' tab is active. Below the tabs, there is a 'Flowsheet' section with a dropdown menu set to 'Quick View'. To the right of the 'Flowsheet' section, there is a 'Level' dropdown menu set to 'Quick View'. Below the 'Level' dropdown, there are radio buttons for 'Table', 'Group', and 'List'. The main content area shows a table with columns for dates and times: 2015-Apr-19 09:58, 2015-Apr-21 09:54, 2015-Apr-21 02:16, 2015-Apr-20 17:11, 2015-Apr-20 08:35, 2015-Apr-20 07:55, and 2015-Apr-19 23:01. The table is titled 'Quick View' and contains data for 'Chemistry' and 'CBC'.

Quick View	2015-Apr-21 09:54	2015-Apr-21 02:16	2015-Apr-20 17:11	2015-Apr-20 08:35	2015-Apr-20 07:55	2015-Apr-19 23:01
Chemistry						
Sodium Level					138 mmol/L	
Potassium Level					3.5 mmol/L	
Chloride					* 86 mmol/L	
Total CO2					37 mmol/L	
Anion Gap					15 mmol/L	
Creatinine					56 umol/L	
Urea					3.1 mmol/L	
e-GFR (MDRD)					* >60 mL/min	
CBC						

When you click on the Icon bookmark, the information in the data box 'Cell' turns from blue to black.

09:56 - 2017-Apr-06 09:56 (Clinical Range)

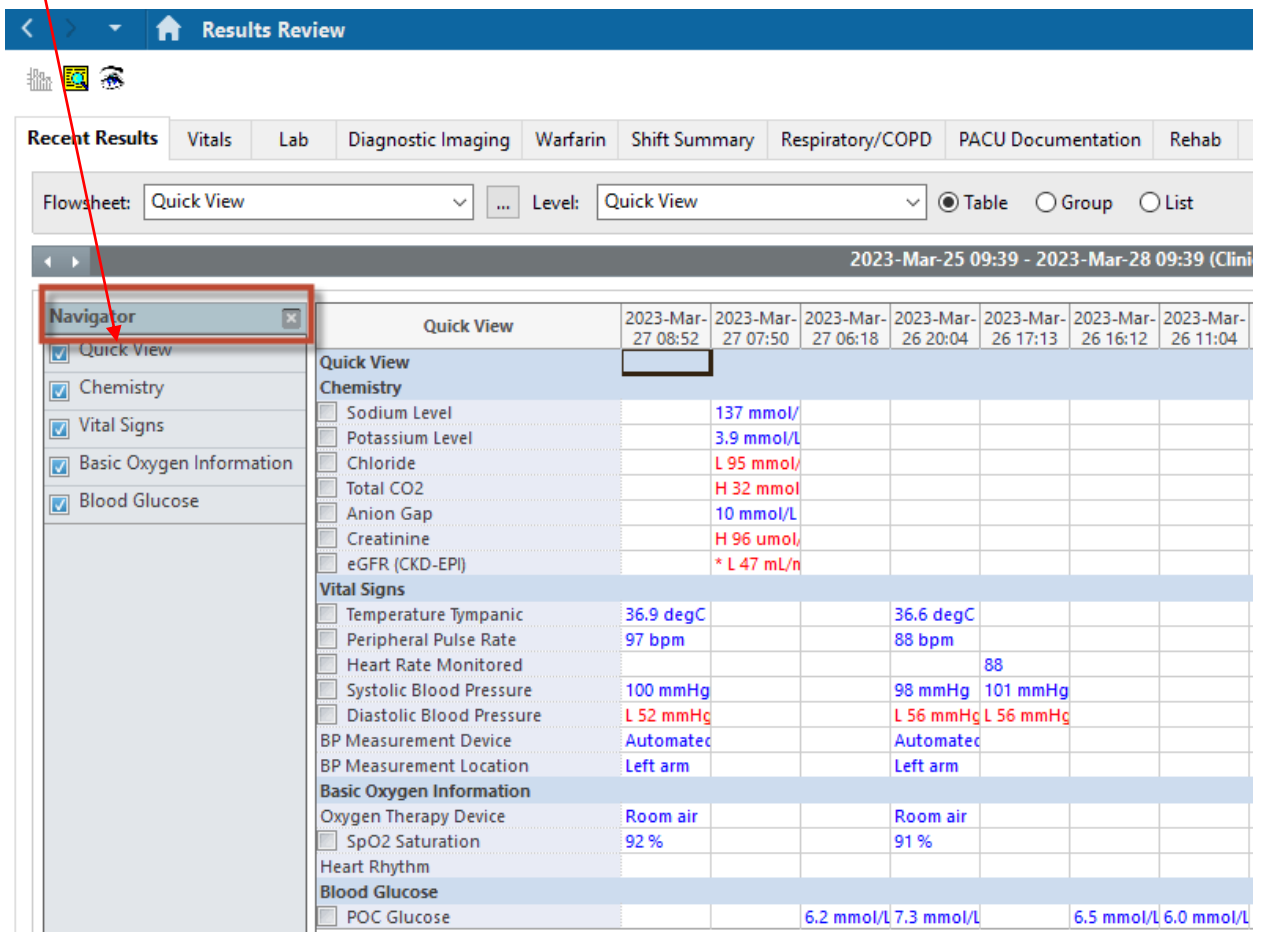
	2017-Apr-04 09:28	2017-Apr-04 09:17	2017-Apr-04 09:07
			176 cm
			65 kg
			20.98
		37 degC	38 degC
* H In Error		65 bpm	88 bpm
			20 br/min
		134 mmHg	135 mmHg
		88 mmHg	L 54 mmHg
			H 145 mmHg
			77 mmHg

The screenshot shows the PowerChart interface. At the top, there is a navigation bar with icons for Home, Recent Results, and a bookmark icon (a blue square with a white bookmark symbol). A red arrow points from the text 'Click on Book Mark' to this icon. Below the navigation bar, there are tabs for 'Recent Results', 'Vitals', 'Lab', 'Diagnostic Imaging', 'Warfarin', 'Respiratory/COPD', 'Shift Summary', 'PACU Documentation', 'Rehab', and 'Di'. The 'Recent Results' tab is active. Below the tabs, there is a 'Flowsheet' section with a dropdown menu set to 'Quick View'. To the right of the 'Flowsheet' section, there is a 'Level' dropdown menu set to 'Quick View'. Below the 'Level' dropdown, there are radio buttons for 'Table', 'Group', and 'List'. The main content area shows a table with columns for dates and times: 2017-Apr-04 09:28, 2017-Apr-04 09:17, and 2017-Apr-04 09:07. The table is titled 'Quick View' and contains data for 'Measurements' and 'Vital Signs'.

Quick View	2017-Apr-04 09:28	2017-Apr-04 09:17	2017-Apr-04 09:07
Measurements			
Height			176 cm
Weight			65 kg
Body Mass Index			20.98
Vital Signs			
Temperature Tympanic		37 degC	38 degC
Temperature Oral		* H In Error	
Peripheral Pulse Rate		65 bpm	88 bpm
Respiratory Rate			20 br/min
Systolic Blood Pressure		134 mmHg	135 mmHg
Diastolic Blood Pressure		88 mmHg	L 54 mmHg
Left Arm Systolic Blood Pressure			H 145 mmHg
Left Arm Diastolic Blood Pressure			77 mmHg

Navigator Bar

The Navigator Bar is the area located on the left side of a Flowsheet tab



The screenshot shows the 'Results Review' tab in PowerChart. The Navigator Bar is located on the left side, containing a list of categories with checkboxes. The categories are: Quick View (checked), Chemistry (checked), Vital Signs (checked), Basic Oxygen Information (checked), and Blood Glucose (checked). The main area displays a table of data for the selected category, 'Quick View'. The table has columns for dates and times, and rows for various lab and vital signs results. A red arrow points to the Navigator Bar.

	2023-Mar-27 08:52	2023-Mar-27 07:50	2023-Mar-27 06:18	2023-Mar-26 20:04	2023-Mar-26 17:13	2023-Mar-26 16:12	2023-Mar-26 11:04
Quick View							
Chemistry							
Sodium Level		137 mmol/L					
Potassium Level		3.9 mmol/L					
Chloride		L 95 mmol/L					
Total CO2		H 32 mmol/L					
Anion Gap		10 mmol/L					
Creatinine		H 96 umol/L					
eGFR (CKD-EPI)		* L 47 mL/n					
Vital Signs							
Temperature Tympanic	36.9 degC			36.6 degC			
Peripheral Pulse Rate	97 bpm			88 bpm			
Heart Rate Monitored				88			
Systolic Blood Pressure	100 mmHg			98 mmHg	101 mmHg		
Diastolic Blood Pressure	L 52 mmHg			L 56 mmHg	L 56 mmHg		
BP Measurement Device	Automatec			Automatec			
BP Measurement Location	Left arm			Left arm			
Basic Oxygen Information							
Oxygen Therapy Device	Room air			Room air			
SpO2 Saturation	92 %			91 %			
Blood Glucose							
POC Glucose			6.2 mmol/L	7.3 mmol/L		6.5 mmol/L	6.0 mmol/L

Navigator has the following features:

- Click on the category name you want to see. The selected category will display at the top of the screen.
- Uncheck the checkbox to the left of a category and that category will not be shown in the view on the right.
- Select the checkbox to the left of a category to view it

**** **Note:** If you choose to change your view or customize your navigator, it will automatically default back to the original settings the next time you sign in

Refreshing the View

Initially when the chart is opened, the system will provide the clinician with the most current data available;

As time elapses, the clinician will need to refresh the screen to view the most current data. **This is very important!!!!**

To refresh the screen:

1. Click the “Refresh”.  button

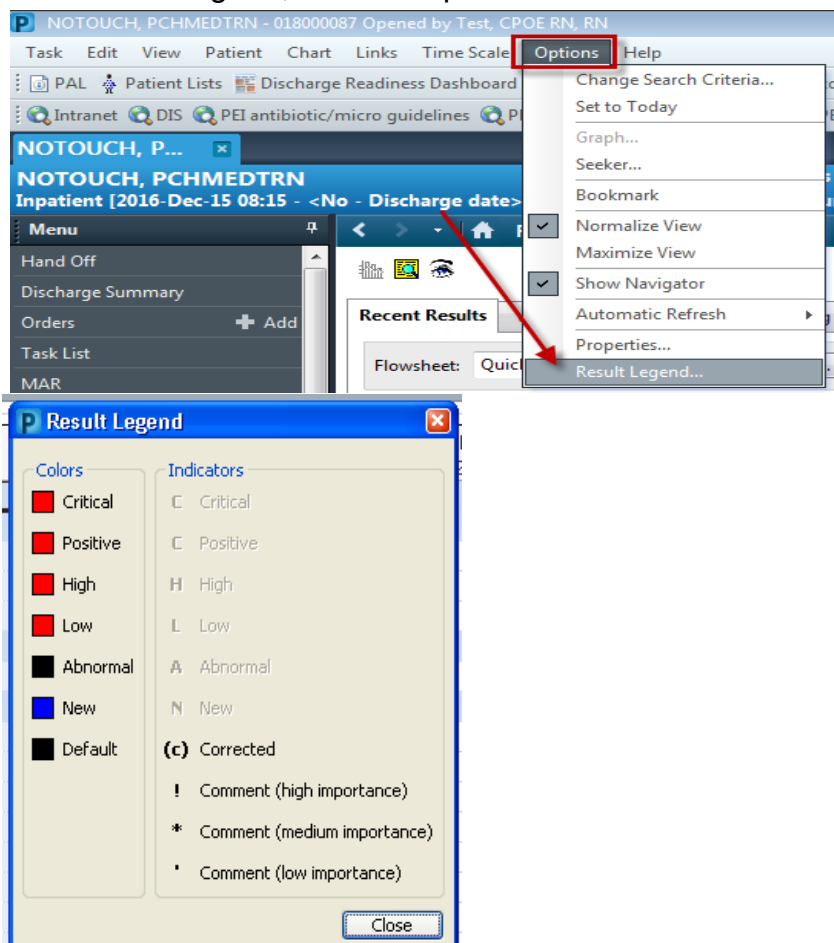
Note: You must refresh each tab/screen individually. It is recommended that you refresh frequently.

Results legends:

There are different color alerts in PowerChart.

The screen below demonstrates the result legend for the lab and vitals tab.

To find this legend, click on “options” in the menu bar and select “result legend”



Anatomy of a Result

The flowsheet provides significant information about the results that are displayed.

The result below provides the following information.

* L (c) 55

- The **red** color of the result indicates an abnormal result.
- **H** (high), **L** (low), or **C** (critically high/low) characters indicate degree of the abnormal results
- (*) The asterisk indicates there is a comment attached to the result.
- (c) The small black (c) indicate results that have been corrected or updated

Lab View	2015-Mar-31 14:42	2015-Mar-26 07:55	2015-Mar-24 14:30	2015-Mar-24 08:10	2015-Mar-21 20:10
Chemistry					
<input type="checkbox"/> Sodium Level		134 mmol/L		* 132 mmol/L	
<input type="checkbox"/> Potassium Level		4.1 mmol/L		* 4.3 mmol/L	
<input type="checkbox"/> Chloride		100 mmol/L		103 mmol/L	
<input type="checkbox"/> Total CO2		22 mmol/L		17 mmol/L	
<input type="checkbox"/> Anion Gap		12 mmol/L		12 mmol/L	

To find clinical reference range:

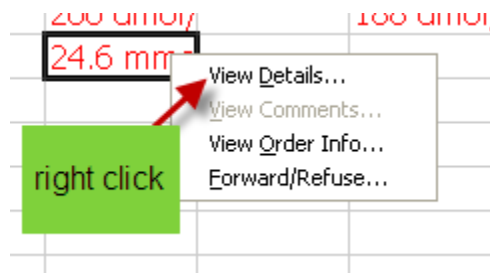
1. Click on the numerical result. The data box will be highlighted.
2. A reference range for this result will appear in the left lower corner of the screen (the reference bar).

<input checked="" type="checkbox"/> Pathology Reports	<input type="checkbox"/> Glucose Random <input type="checkbox"/> Creatinine <input type="checkbox"/> Urea <input type="checkbox"/> e-GFR (MDRD) <input type="checkbox"/> Albumin Level <input type="checkbox"/> Bilirubin Total <input type="checkbox"/> ALT <input type="checkbox"/> Alkaline Phosphatase	206 umol/L 24.6 mmol/L
-------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------

r-26 07:55 Urea: 24.6 mmol/L (HI) (Auth (Verified)) (Ref. Range 1.7 - 8.3)

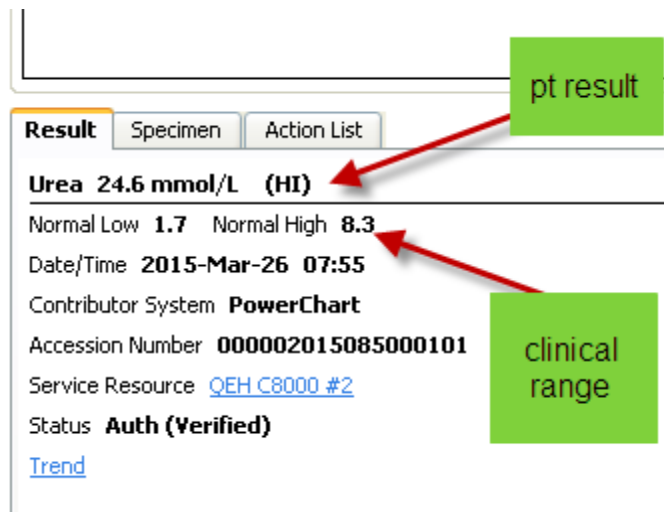
OR

1. **Double click** this result or **right-click** and choose the View Details option on this result

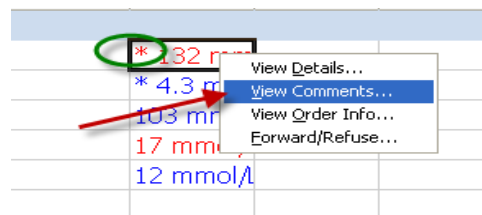


2. The following information is available:

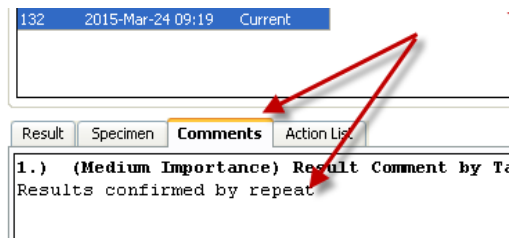
- Patient result
- Clinical range – normal and abnormal reference ranges for the particular result
- Date specimen obtained



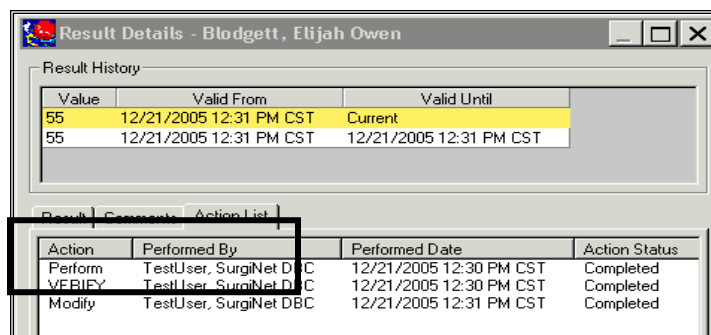
3. The red asterik indicates any comments documented under the Comment tab and the history of the result under the Action List tab



- To view the comments double click, the comments tab will display any comments associated to the result.



- The Action List tab displays the history of who charted/updated the result and when.




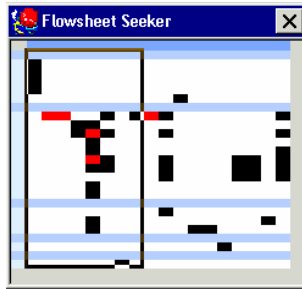
Controlling the Flowsheet

The flowsheet has the following functionalities:

- Defaults to standard date and time range
- The left and right arrows allow clinicians to change the beginning/end date by one or more days,



- The seeker functionality allows the clinician to get a high-level overview of the flowsheet and where results are located, including any critical/high/low results.
- Use the seeker  icon to display the seeker window. Then click and drag the black rectangle within the seeker window to adjust the view of the flowsheet.




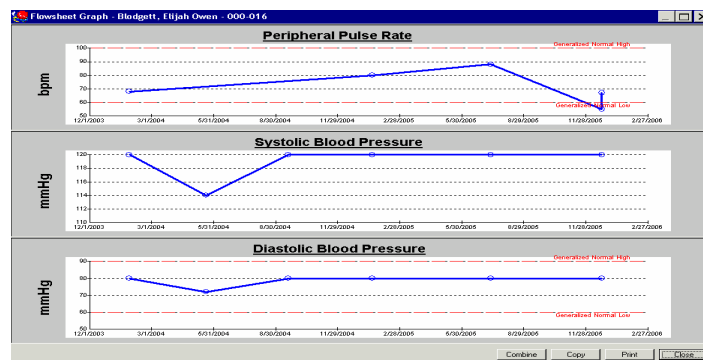
- Clinicians may opt to display specific results on a graph. PowerChart can only create graphs on data that is numeric

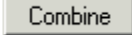
To create a graph:

1. Use the check-boxes ☐ next to individual results to select 1 or more results to graph.

Vital Signs	
<input type="checkbox"/>	Temperature Oral
<input type="checkbox"/>	Temperature Tympanic
<input checked="" type="checkbox"/>	Peripheral Pulse Rate
<input type="checkbox"/>	Heart Rate Monitored
<input type="checkbox"/>	Respiratory Rate
<input checked="" type="checkbox"/>	Systolic Blood Pressure
<input checked="" type="checkbox"/>	Diastolic Blood Pressure

2. Click the graph  icon to open up the graphing window. The system will show the reference ranges for the individual results as long as items being graphed have reference ranges



3. Combine the results into one graph, if necessary, using the Combine  icon within the graphing window.

Vitals Tab

	2016-Dec-21 17:30	2016-Dec-21 12:30	2016-Dec-21 10:15	2016-Dec-21 08:15	2016-Dec-21 07:30
Vitals View					
Measurements					
Height			160 cm	172	
Ht Type				Actual	
Weight			78 kg	80	
Wt Type				Estimated	
Body Mass Index			30.47		
Weight Change Information					
Unintentional weight loss last 6 months			No		

Lab Tab

The Lab tab displays tests completed by the lab. You can access the information in this Tab the same way you would in other flowsheets.

	2016-Dec-21 8 21:13	2016-Dec-21 8 21:12	2016-Dec-21 7 08:05	2016-Dec-21 6 18:55	2016-Dec-21 6 05:55	2016-Dec-21 5 05:30
Chemistry						
Sodium Level			138 mmol/L		140 mmol/L	137 mmol/L
Potassium Level			4.4 mmol/L		3.7 mmol/L	L 3.0 mmol/L
Chloride			107 mmol/L		108 mmol/L	106 mmol/L
Total CO2			26 mmol/L		26 mmol/L	23 mmol/L
Anion Gap			5 mmol/L		6 mmol/L	8 mmol/L
Calcium Level Total					L 1.90 mmol/L	L 1.85 mmol/L
Glucose AC					H 6.9 mmol/L	H 7.1 mmol/L
Glucose Random						

To review microbiology results in the Lab Tab:

Double click on **Review** in the result data box to view the detail screen.

To view the susceptibilities for antibiotics click on the **Susceptibilities** tab on Result Details screen

	A	B
1	Proteus mirabilis	
2		MIC Interp
3	Amoxicillin/Clavulanate	S
4	Ampicillin	S
5	Cefazolin	S
6	Cefixime	S
7	Ceftazidime	S
8	Ceftriaxone	S
9	Cephalexin	S
10	Ciprofloxacin	S
11	Gentamicin	S
12	Trimethoprim/Sulfa	S
13	Tobramycin	S
14		
15	Escherichia coli	
16		MIC Interp

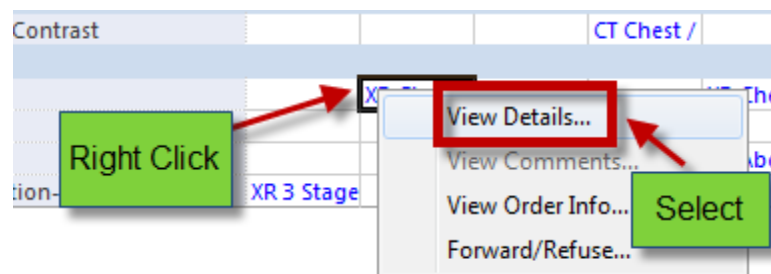
In this tab, the textual report from radiology will be available. Actual X-ray films will continue to be viewed on the PACs computer.

Diagnostic Imaging		2017-Jan-05 14:28	2017-Jan-05 08:05
Computed Tomography			
CT Chest / Abdomen / Pelvis w/o Contrast			
X-Ray			
XR Chest 1 View			
XR Chest 2 Views			

Double Click in data Box

XR Chest 1

Right click on the procedure and choose View Details from the menu.



*** Final Report ***

XR Chest 1 View Portable
SINGLE VIEW CHEST

Clinical Information: Pneumonia

Findings:

Comparison: Several previous exams most recent being from January 3, 2017.

Air space opacification in the right upper lung is unchanged. There is improvement in the left upper lung. Slight increased density in the left lower lung which may represent evolving consolidation or atelectasis. The cardiomedialastinal contours are unchanged. No pneumothorax or pulmonary edema.

Interpreting Radiologist: MCQUAID, MELANIE
Exam Date: 2017-JAN-05 08:05