

Advanced Medication Platform (AMPL) Graphic User Interface (GUI)

Frequently Asked Questions (FAQ)



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Revision History

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07/2023	1.0	Baseline Document	AMPL Team

Artifact Rationale

The FAQ provides answers to frequently asked questions which may be needed by the AMPL GUI and AMPL GUI support teams to answer questions as they arise during the development and continuation of AMPL GUI. The FAQ is an optional resource which serves as addition to required documentation support for AMPL GUI users and testers.

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Introduction

1.1. What is AMPL GUI?

The Advanced Medication Platform (AMPL) Graphic User Interface (GUI) is a front-end application supporting the Department of Veterans Affairs (VA) pharmacists by fulfilling the need for medical knowledge during patient care. AMPL GUI provides a single point of access for pharmacists to do their work, such as reviewing patient records and processing pending orders.

Currently, AMPL GUI is a READ ONLY application. Writing and processing of orders as well as note writing, etc. is planned for a later phase.

Logging On

2.1. How do I log on to AMPL GUI?

1. Enter the AMPL URL (<https://ampl.vaec.va.gov/login>) into the address bar of your internet browser.
2. After selecting **Login**, users are redirected to the VA SSOi page.
 - Click on **Sign In** with VA Personal Identity Verification (PIV) Card graphic.
 - Select the appropriate certificate.
 - Enter your Personal Identification Number (PIN) and select **OK**.

Figure 1: VA Advanced Medication Platform Login Page

Welcome to the VA Advanced Medication Platform.

WARNING - This system may contain Government information which is restricted to authorized users ONLY. Unauthorized access, use, misuse, or modification of this computer system or of the data contained herein or in transit to/from this system constitutes a violation of Title 18, United States Code, Section 1030, and may subject the individual to Criminal and Civil penalties pursuant to Title 26, United States Code, Sections 7213(a), 7213A (the Taxpayer Browsing Protection Act), and 7431. This system and equipment are subject to monitoring to ensure proper performance of applicable security features or procedures. Such monitoring may result in the acquisition, recording and analysis of all data being communicated, transmitted, processed or stored in this system by a user. If monitoring reveals possible evidence of criminal activity, such evidence may be provided to Law Enforcement Personnel.

ANYONE USING THIS SYSTEM EXPRESSLY CONSENTS TO SUCH MONITORING

If you agree to the above statement press the 'Login' button to proceed.

Login

Figure 2: VA Single Sign-On



2.1.1. How do I know what my 3-digit station number is?

Figure 3: Set VistA Context 3-Digit Station Number

The image shows a "Set VistA Context" dialog box. It has a title bar that says "Set VistA Context". Below the title bar, there is a paragraph of text: "AMPL requires a valid **3-digit** station number to establish context with a specific VistA system. Please enter the station you want to work with below & click 'Set' to continue. This context can be changed at any time by selecting the 'Change Station' option from the user menu." Below the text, there is a label "Station #:" followed by a text input field. To the right of the input field are two buttons: "Set" and "Cancel".

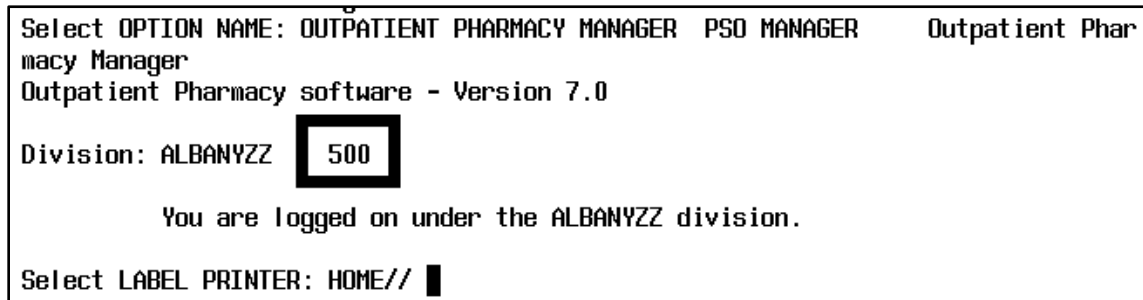
The links below can be used to get a report of facilities and their station number:

Internet - [To Facility Listing - Locations \(va.gov\)](https://va.gov)

Intranet - [Report - Facility Listing - Facilities Locator & Leadership Directory \(va.gov\)](https://va.gov)

Your station number is also found in VistA, it is displayed when you enter your division. See example below:

Figure 4: Station Number in VistA



The screenshot shows a VistA interface with the following text: "Select OPTION NAME: OUTPATIENT PHARMACY MANAGER PSO MANAGER Outpatient Pharmacy Manager", "Outpatient Pharmacy software - Version 7.0", "Division: ALBANYZZ" followed by a box containing the number "500", "You are logged on under the ALBANYZZ division.", and "Select LABEL PRINTER: HOME//".

Pending Orders Manager (POM)

3.1. What is the “Pending Orders Manager”?

The pending orders manager of POM is a dashboard intended to help pharmacists manage and process pending orders for their facility.

3.2. Why are patients not showing under the Pending Orders Manager?

To display a list of patients under the **Pending Orders Manager**, select an outpatient site from the dropdown list next to **Select Outpatient Site**.

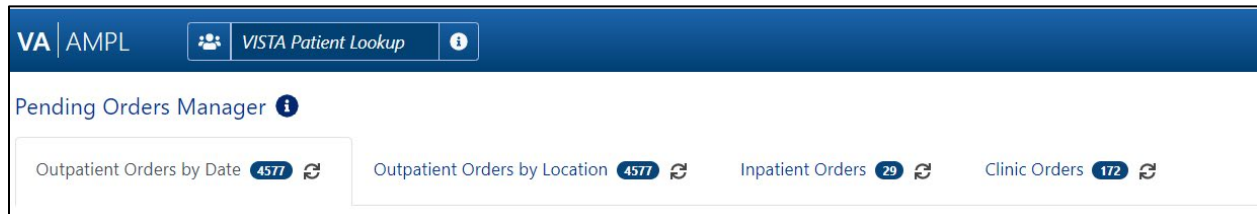
3.3. What does the “Select Ordering Institution” button do?

Select Ordering Institution allows users to drill down to see orders for a specific CBOC or VAMC included under a Station.

3.4. What are those numbers I see in the blue bubbles on the tabs?

In the category tabs on the POM, the number of orders within that tab are displayed in the blue bubble on the tab.

Figure 5: POM Number of Orders



3.5. What are those green arrows in the column headers?



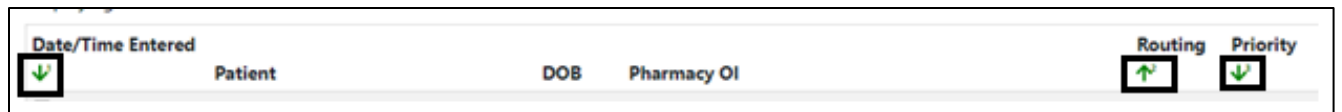
To reveal if a column is sortable, click the column header. If it is sortable, the  icon will display. Repeatedly clicking the sortable column will toggle between ascending, descending then back to default. If more than 1 column is sorted, a small number by the arrow  indicates the order.

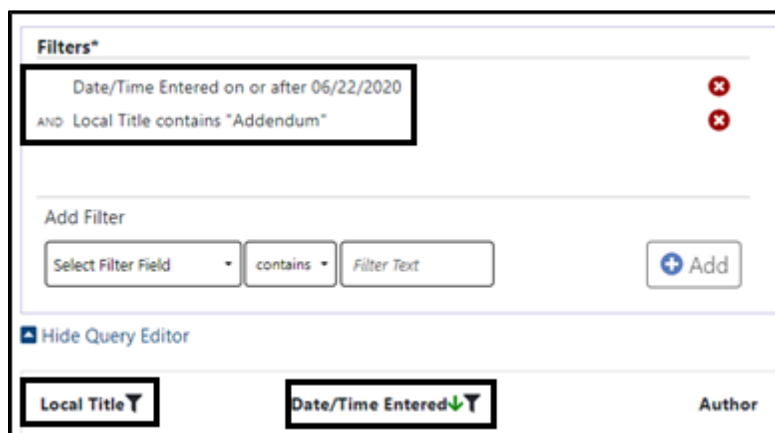
Figure 6: Green Arrows Sorting Columns



3.6. What is the black funnel symbol I see in the column headers?

The black funnel symbol indicates that column is included in the current query.

Figure 7: Black Funnel Symbol



3.7. How can I get more information about the column headers?

Hovering your mouse over the column headers will reveal help text providing additional information. The hover functionality is available throughout AMPL, if you are not sure, hover!

Figure 8: Hover Text

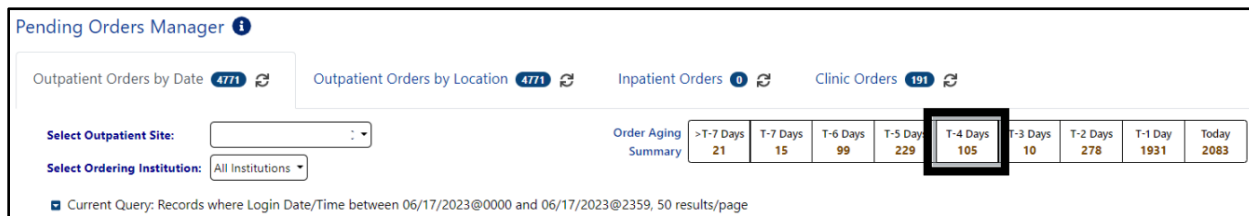


3.8. Can I sort the patients by the age of the orders?

By default, pending orders are displayed oldest first.

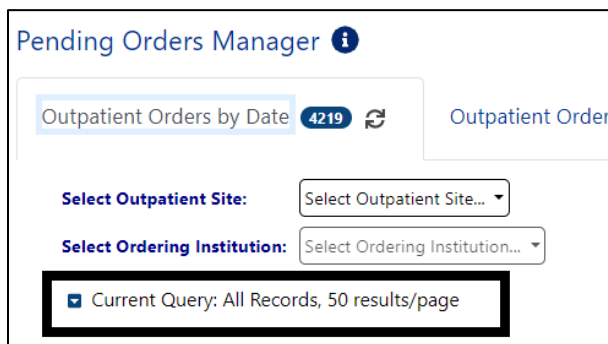
Clicking on the desired date range in the **Order Aging Summary**, located near the upper right-hand section of your screen will display only the orders that fall within that date range.

Figure 9: VA Order Aging Summary



Orders that display in any of the Pending Orders tabs may also be filtered using the Query Editor. Clicking on the blue arrow will expand the Query Editor.

Figure 10: Current Query: All Records



3.9. How can I take advantage of Clinic Sort Groups or Ward Groups that are set-up in VistA?

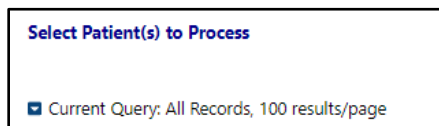
Choose the **Outpatient Orders by Location**, **Inpatient Orders**, or **Clinic Orders** tab near the top of your screen. You will find Outpatient Clinic Sort Groups, Inpatient Ward Groups and **Clinic Groups** for Clinic Orders if you have them set up at your facility.

When you check a box for a clinic group or ward group, patients in the clinic or ward group with pending orders will be viewable below in the **Select Patients to Process** section (you may have to scroll down if there are a lot of groups).

There is also a Query Editor available in the **Select Patients to Process** section to further filter the list of patients. To filter the list, click on the down arrow to access the Query Editor (shown below).

Note: Currently, AMPL is read only. The ability to process orders will be added in a later version.

Figure 11: Select Patient(s) to Process



3.10. For Inpatient pending orders, do ASAP orders show up under the STAT heading?

Yes. The red symbol displays next to STAT orders, so they are easy to locate.


Figure 12: Priority Indication Screen

Name (PID)	DOB	STAT
<input type="checkbox"/>		1 

3.11. Can I find flagged Outpatient orders in AMPL?

Yes. The red flag symbol displays next to Flagged orders, so they are easy to locate.

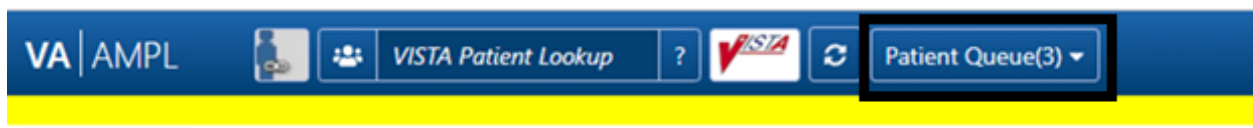
Figure 13: Flagged Outpatient Pending Orders

Expanded View of Outpatient Medication Orders				
<input type="checkbox"/> Show Remote Orders				
RX#	Generic Drug Name	Dosage	Route	Schedule/ (Duration)
	AMOXICILLIN 500MG CAP		PO	PENDING

3.12. I have my patient list, now what?

One or more patients may be selected from the list for processing using the **Process Selected** or **Process All** buttons. If multiple patients are selected, the first one will open to the **Patient Coversheet** and the rest will be added to the patient queue and their names will display at the bottom of the screen and using the patient queue button at the top of the screen.

Figure 14: Patient Queue for Multiple Patients



3.13. How do I change patients?

Once patient(s) are selected, you will be taken to the **Patient Coversheet**. If you want to go back into the **Pending Orders Manager**, you can select **Pending Orders** from the upper right corner of your screen. If you selected multiple patients and want to change patients, click on the Patient Queue button.

Figure 15: POM Button Toggle to Coversheet and Retained in Patient Queue



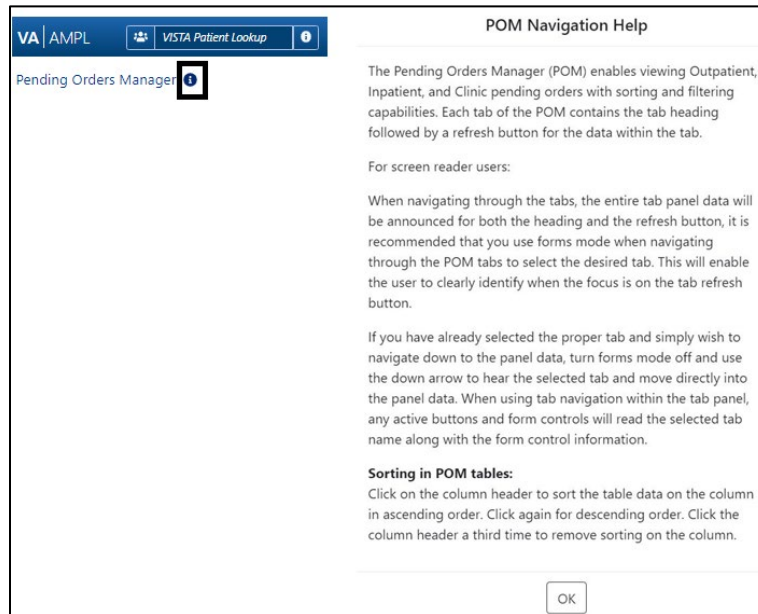
Figure 16: Patient Cover Sheet with Patient Queue List



3.14. What is the “i” symbol next to Pending Orders Manager?

The “i” next to **Pending Orders Manager** text gives informational text regarding POM Navigational help once it is clicked.

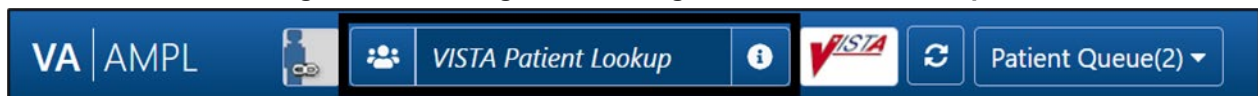
Figure 17: Pending Orders Manager "i" Button



3.15. What if I just want to go to an individual patient not on the Pending Orders Manager?

You can locate and select individual patients from the **VISTA Patient Lookup** located in the upper left corner of your screen.

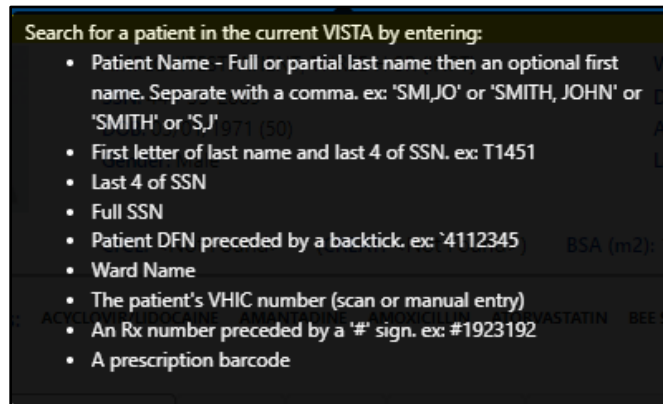
Figure 18: Pending Order Manager VistA Patient Lookup



3.16. What is the “i” symbol next to VISTA Patient Lookup?

When you click on the “i” next to **VISTA Patient Lookup**, it will display help text on different ways to search for the patient you need.

Figure 19: VistA Patient Lookup Help Text

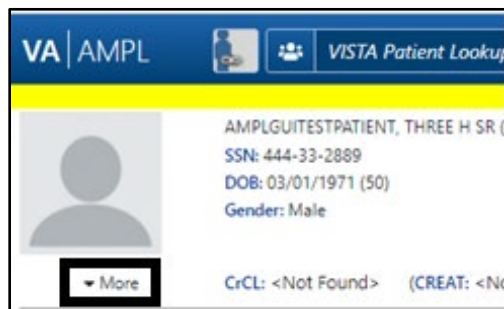


Patient Coversheet

4.1. How do I view more detailed patient demographics?

Click the down arrow to the left of **More** (below where the patient's picture would be) to get more patient demographics.

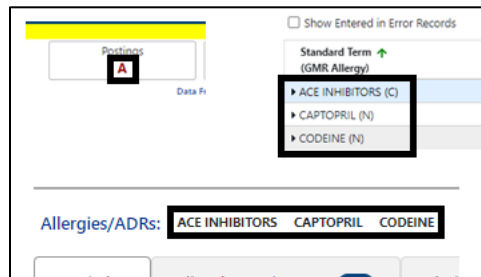
Figure 20: More Patient Demographics



4.2. How do I get more detailed Allergy/ADR information?

Click on the allergen in the **allergy summary ribbon**, on the **Allergies and ADRs** tab or in the **CWAD** section.

Figure 21: More Information for Allergies and ADRs



4.3. What is CWAD and how do I find that information?

CWAD is **C**risis, **W**arnings, **A**llergies, and **D**irectives found in the **Postings** button in the upper right corner. Click on this button, to see the CWAD entries for that patient. Hovering over the Postings button shows additional information.

Figure 22: Postings CWAD Button



4.4. How do I see recent additions or changes to the patient's data from VistA or CPRS?

Like VistA and CPRS, new changes made to patient data after the patient's record is accessed in AMPL (entering a new order, discontinuing an active order) are not seen until the patient is refreshed. See figure below:

- In AMPL, the Refresh button is used
- In CPRS, the File/Refresh Patient Information is used
- In VistA, close the patient in a backdoor pharmacy option and open the patient again.

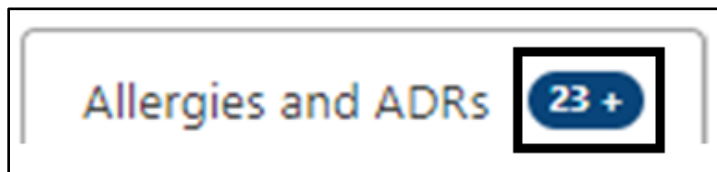
Figure 23: Refresh Patient Data



4.5. What is the number that I sometimes see next to the Tab Name?

A numeric value indicates the **total number of Allergy and Adverse Reaction records** for the selected patient and the “+” sign indicates that patient has "allergies/ADRs that were entered in error".

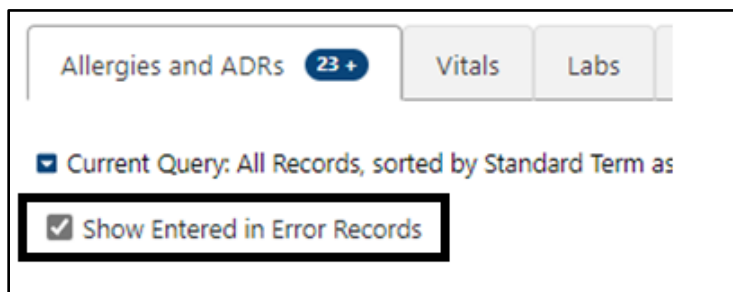
Figure 24: Total Number of Allergy and Adverse Reactions



4.6. Is there a way to see allergies or ADRS that were “Entered in Error”?

Yes, click on the check box to the left of **Show Entered in Error Records**.

Figure 25: Allergies Entered in Error



4.7. How do I know what facility entered the allergy/ADR?

The facility number where the allergy/ADR originated is in the last column to the right in the **Allergies and ADRs** tab.

Figure 26: Originating Facility for Allergies and ADRs

Observed / Historical	Severity	Mechanism	Reaction Type	Origination Date / Time	Facility
OBSERVED	MILD	ALLERGY	DRUG	05/19/ [redacted] @ [redacted]	Facility # [redacted]

4.8. Okay, but how do I know what facility corresponds to that facility number?

Hover over the facility number and the facility name will appear.

Figure 27: Hover for Facility Name

Reaction Type	Origination Date / Time	Facility
DRUG	05/19/2022 @11:19	Facility Name
DRUG	05/20/2021 @08:34	Facility #

4.9. How do I find more information about column headers?

Hover over the header and information about that header will appear.

Figure 28: Hover Text for Column Headers

Allergies and ADRs 24	Vitals	Labs	Progress Notes	Consults	Problem List	Immunizations	Appointments
Query: All Records, sorted by Standard Term ascending							
m ↑ y)	Causative Agent / Reactant	This indicates whether the Allergy/ADR was observed by personnel, or if it is historical data gathered about the patient.				Observed / Historical	
(N)	ABCIXIMAB	HYPOTENSION				HISTORICAL	
N (N)	AMOXICILLIN	RASH				HISTORICAL	

4.10. It would be nice to be able to graph vitals to see trends, can I do that with AMPL?

Yes, you can select date ranges, toggle between metric and US Standard units, and graph the vitals. The **graph** button is on the far right and next to it is the **table** button to return to table view.

Figure 29: Graph Vitals



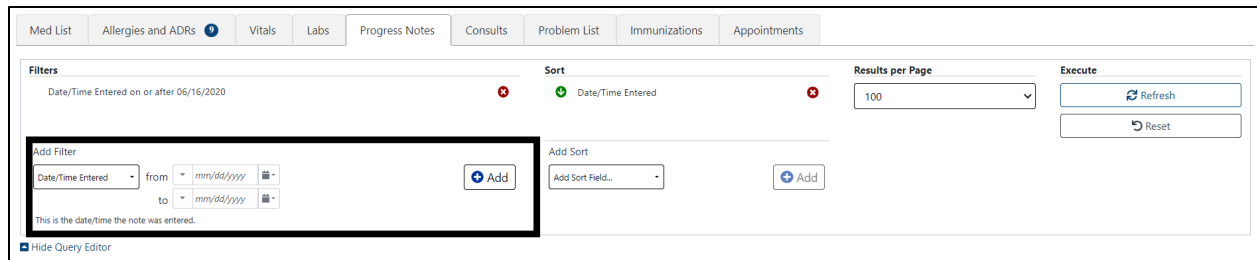
4.11. How many progress note titles are displayed per page?

A maximum of 100 progress notes can be displayed per page. Additional notes may be viewed, 100 at a time, by clicking the Next button at the bottom of the page.

4.12. How can I see a particular date range or an earlier date range than what is shown?

The Query Editor can be used to filter and/or sort data for a date range. The Query Editor is opened by selecting the down arrow next to the Current Query button. Choose the **Add Filter** button to show filter options. **Date/Time Entered** is one of the options. See [Section 5: Filter and Sort](#) for more info on the Query Editor.

Figure 30: Query Editor for Date Range



The screenshot shows the Query Editor interface. At the top, there are tabs for Med List, Allergies and ADRs (9), Vitals, Labs, Progress Notes, Consults, Problem List, Immunizations, and Appointments. Below the tabs, there are sections for Filters, Sort, Results per Page, and Execute. The Filters section shows a filter for 'Date/Time Entered on or after 06/16/2020'. The Sort section shows 'Date/Time Entered' as the sort field. The Results per Page section shows '100'. The Execute section has 'Refresh' and 'Reset' buttons. A 'Hide Query Editor' button is at the bottom left.

4.13. There are a lot of progress notes, how do I sort and filter them?

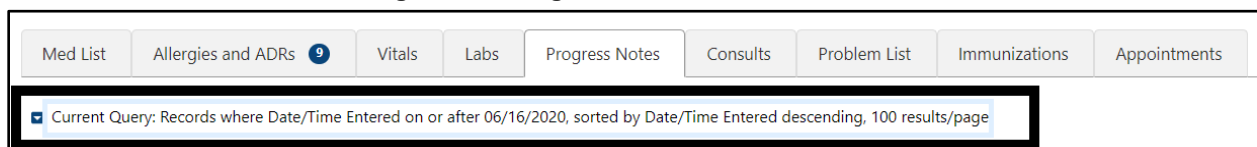
In the Progress Notes Tab, is a **Current Query** with a down arrow to the left of it. Select the down arrow to bring up the Sort and Filter options. Choose the **Add Filter** button to show filter options.

If **Add Sort Field** is selected, the same options appear, but will sort by those fields instead of filter.

Don't forget to click **Add** after you make your selection (multiple filters and sort fields may be added at once). Execute the new filter and sort criteria by clicking on the **Refresh** button to the right of the page.

See [5.1.5: Progress Notes](#) for more info on sorting and filtering Progress Notes

Figure 31: Progress Notes Sort and Filter



The screenshot shows the Progress Notes Sort and Filter interface. At the top, there are tabs for Med List, Allergies and ADRs (9), Vitals, Labs, Progress Notes, Consults, Problem List, Immunizations, and Appointments. Below the tabs, there is a 'Current Query' button with a down arrow. A dropdown menu is open, showing the text: 'Current Query: Records where Date/Time Entered on or after 06/16/2020, sorted by Date/Time Entered descending, 100 results/page'.

4.14. How do I see the actual progress note?

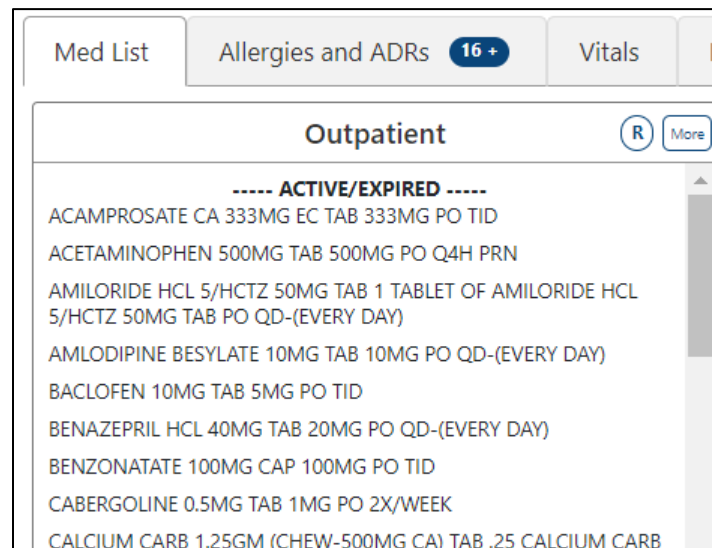
Click on the note title to get a detailed view.

4.15. How do I see Remote meds?

If there are remote meds, under the Med List Tab, there will be a circle with an “R” inside to the right of the column header. Click on that “R”.

Note: There will be no “inpatient” remote medications.

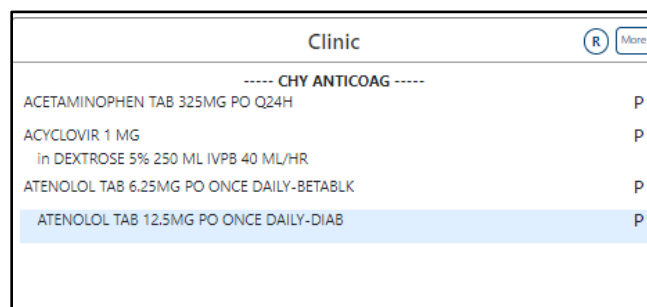
Figure 32: Remote Meds



4.16. How do I see a more detailed view of the meds?

Click on **More** to the right of the header. This will give more information about all the meds in that section.

Figure 33: Detailed View of Meds



4.17. Okay, but how do I see an even MORE detailed view of the medication orders?

Click on the **medication name** in the section and it will give you a detailed view of the medication order.

Figure 34: Even More Detailed View of Medication Order

Pending Unit Dose Medication Order				Medication Order			
Unit Dose Order #: 414981	CPRS Order #: 5589546	CPRS Parent Order #:	Priority: ROUTINE	Nature of Order: Electronically Entered	Clinic: CHY ANTICOAG	Facility: CHYSQA261 (969)	
Orderable Item: ACETAMINOPHEN TAB		Dosage Ordered: 325MG			Duration:		
Dispense Drug(s): ACETAMINOPHEN 325MG TAB	U/D: 1	Inactive Date:	PADE Inventory:	PD Ind:	Start Date/Time:	Requested Start Date/Time: 11/09/2021@08:00	
Route: PO	Schedule Type: Continuous	Schedule: Q24H	Admin Times:		Stop Date/Time:	BCMA Last Dispensed/Action:	
Self-Med:	Entry Date/Time: 11/04/2021@12:25	Entry By: AKTER, RONEY	Provider: AKTER, RONEY				
Special Instructions:							
Provider Comments:							
Comments:							

4.18. I see buttons at the bottom of that view, what are those for?

A screenshot of those buttons is below. They include Order Checks, Drug Restrictions/Guidelines, Drug Info, Provider Info, PADE Inventory Activity, Admin Hx, and Close. These buttons put often needed information that you can find in VistA and CPRS, but in a much easier to find and read format for each order. If the button is greyed out, there is no information for that item.

Figure 35: Order Checks, Drug Restrictions/Guidelines, Drug Info, Provider Info, PADE Inventory Activity, Admin Hx, and Close

Order Checks	Drug Restrictions/Guidelines	Drug Info	Provider Info	PADE Inventory Activity	Admin Hx	Close
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4.19. For Inpatient and Clinical Med Orders, can I see PADE inventory amounts for the associated device?

Yes, click on the **PADE Inventory Activity** button at the bottom of the screen when in a medications detailed view.

Figure 36: PADE Inventory Activity

Order Checks	Drug Restrictions/Guidelines	Drug Info	Provider Info	PADE Inventory Activity	Admin Hx	Close
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Filter and Sort

5.1. Can I get more information on sort and filter functionality for Allergies and ADRs, Labs, Consults, Progress Notes, Immunizations, Problem List, and Appointments tabs?

Each tab has its own unique filter and sort criteria to easily filter and sort to find the information you need quickly and efficiently.

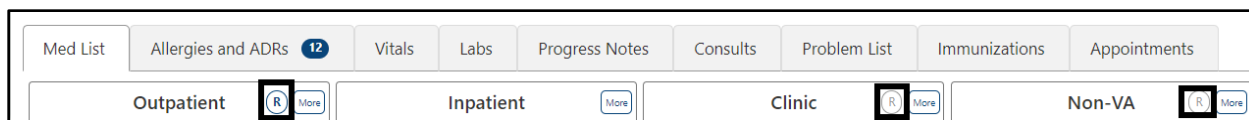
There are several things to remember. After selecting the filter or sort, don't forget to click the **Add** button to add your new criteria to the filter or sort section above the options. You can add multiple filter or sort criteria if needed. Once you have your filter and sort criteria finished, click the **Refresh** button to the right side of the screen. Below the Refresh button is a **Reset** button to return to the default search and sort settings.

Listed below are figures and information for each tab to show what types of data may be used to filter or sort data.

5.1.1. Meds

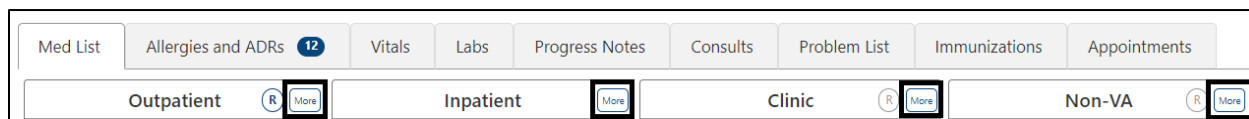
Starting out with an exception, the Med List tab doesn't currently include a Query Editor. Instead, it displays all Active/Recently Expired, Pending and Non-Verified orders. **Remote** Outpatient, Clinic and Non-VA orders may be added by checking the **R button** in the section header.

Figure 37: Remote Order Button



An **expanded view** for orders in a category may be accessed by clicking the **More** button for that category. Additional details for a specific order are displayed by clicking on the order from the Expanded View.

Figure 38: More Button



NOTE: The Outpatient medications included in the discontinued and expired categories are determined by RECENTLY DC'D/EXPIRED DAYS Field (#3.2) in the OUTPATIENT SITE (#59) File. Inpatient Medication Order include orders that were discontinued or expired in the last 24 hours in the RECENTLY DC'D/EXPIRED section.

For more FAQs about the **Meds tab**, see [Section 4.14](#) of this document.

5.1.2. Allergies

Allergies/ADRs and Assessments are displayed for all sites where a patient has been seen. Records may be further filtered or sorted using the **Query Editor**. It is accessed by clicking on the down arrow next to the **Current Query**.

Figure 39: Current Query

The screenshot shows the 'Allergies and ADRs' tab selected, with a notification badge showing '8+'. Below the tabs, a dropdown menu is open, displaying the text 'Current Query: All Records, sorted by Standard Term ascending'. Below this menu, there is a checkbox labeled 'Show Entered in Error Records'.

After adding new filter or sort criteria, don't forget to click the **Add** button to add your new criteria to the Filters or Sort sections above the options. You may add multiple filter or sort criteria. Once you have completed filter and sort criteria changes, click the **Refresh** button to the right side of the screen. Below the Refresh button is a **Reset** button to return to the default search and sort settings.

Figure 40: Allergies Filtering and Sorting

The screenshot shows the 'Allergies and ADRs' tab with a notification badge showing '16+'. Below the tabs, there are two main sections: 'Filters' and 'Sort'. The 'Filters' section has a text input field with the placeholder 'No filters specified.' and an 'Add Filter' button. The 'Sort' section has a dropdown menu with 'Standard Term' selected and an 'Add Sort' button. To the right of these sections are 'Execute' buttons: 'Refresh' and 'Reset'. At the bottom left, there is a checkbox labeled 'Hide Query Editor'.

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 41: Allergies Adding Filter Criteria

The screenshot shows the 'Add Filter' dropdown menu. The 'Select Filter Field' dropdown is open, displaying a list of fields: 'Standard Term', 'Causative Agent/Reactant', 'Signs/Symptoms', 'Observed/Historical', 'Severity', 'Mechanism', 'Reaction Type', 'Origination Date/Time', 'Facility', and 'Drug Class'. The 'contains' operator is selected, and the 'Filter Text' input field is empty.

Figure 42: Allergies Adding Filter

Med List Allergies and ADRs 17+ Vitals Labs

Filters

No filters specified.

Add Filter

Severity is Select a value... + Add

- ☐ MILD
- ☐ MODERATE
- ☐ SEVERE
- ☐ NO VALUE

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars or select from **common date ranges** by clicking on the **down arrows** to the left of the date/time as shown below:

Figure 43: Allergies Date Range Filter

Filters

No filters specified.

Add Filter

Origination Date/Time from [date] to [date]

Hide Query Editor

Standard Term ↑
(GMR Allergy)

NO KNOWN ALLERGIES

- T-365
- T-180
- T-90
- T-60
- T-30
- T-7
- T
- T+7
- T+30
- T+60
- T+90
- T+180
- T+365

If a text field is selected, the Filter Text box turns into a **Select a Value** drop down that includes only values included in the patient's data. In the example below for causative agent, the possible options are displayed and as many or few as you like can be checked.

Figure 44: Allergies Selecting a Value

The screenshot shows a filter configuration interface. At the top, there is a section labeled 'Add Filter'. Below this, there is a dropdown menu with the text 'Causative Agent/Reac...' and a 'is' operator. To the right of the operator is a dropdown menu labeled 'Select a value...'. This menu is open, showing two options: 'FISH' and 'NUTS', each with an unchecked checkbox. Below the filter configuration, there is a 'Hide Query Editor' button and a checkbox labeled 'Show Entered in Error Records'.

Adding Sort Criteria:

Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 45: Allergies Adding Sort Field

The screenshot shows a sort configuration interface. At the top, there is a section labeled 'Sort'. Below this, there is a green upward arrow icon and the text 'Standard Term'. Below the sort configuration, there is a section labeled 'Add Sort'. Below this, there is a dropdown menu labeled 'Add Sort Field...'. This menu is open, showing a list of fields: 'Standard Term', 'Causative Agent/Reactant', 'Signs/Symptoms', 'Observed/Historical', 'Severity', 'Mechanism', 'Reaction Type', 'Origination Date/Time', 'Facility', and 'Drug Class'. To the right of the list, there is a label 'Observed / Historical'.

As each filter or sort is defined, click the **Add** button to add it to the query.
There is an Add button for both filter and Sort sections, located on the right side of the section.

Figure 46: Allergies New Filter Add Button

The screenshot shows the 'Filters' section of the query editor. It displays 'No filters specified.' Below this is the 'Add Filter' section. A dropdown menu is set to 'Origination Date/Time'. The 'from' date is '06/15/2022@0000' and the 'to' date is '06/15/2023@2359'. A blue box highlights the 'to' date field. To the right of the date fields is a blue button with a plus icon and the text 'Add', which is highlighted by a black rectangular box.

The **Refresh** and **Reset** buttons are in the Execute section on the right of the Query Editor. Refresh will apply any new filters. Reset will return the display to the default criteria.

Figure 47: Allergies Refresh Button

The screenshot shows the 'Allergies and ADRs' tab selected in the top navigation bar. The 'Filters' section contains two criteria: 'Date/Time Entered on or after 06/20/2020' and 'AND Facility contains "CBOC"'. The 'Sort' section contains one criterion: 'Date/Time Entered'. The 'Results per Page' is set to 100. On the right, the 'Execute' section contains a blue 'Refresh' button and a grey 'Reset' button. A black box highlights the 'Refresh' button. Below the 'Reset' button, a small red text message reads: '*Query changed, click "Refresh" to apply'.

To remove single filter or sort criteria, including one of the defaults, click the Red X next to it.

Figure 48: Allergies Red "X" Button

The screenshot shows the 'Sort' section of the query editor. It displays a single sort criterion: 'Standard Term' with a green up arrow icon. To the right of the criterion is a red 'X' button, which is highlighted by a black rectangular box. Below this is the 'Add Sort' section, which contains a dropdown menu labeled 'Add Sort Field...' and a blue 'Add' button.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 49: Allergies Reset Button

The screenshot shows the Allergies tab interface. It includes a 'Filters' section with 'No filters specified.' and an 'Add Filter' button. Below this is a filter configuration area with 'Select Filter Field', 'contains', and 'Filter Text' dropdowns, and an 'Add' button. To the right is a 'Sort' section with 'Standard Term' and an 'Add Sort' button. On the far right, under the 'Execute' label, there are 'Refresh' and 'Reset' buttons. The 'Reset' button is highlighted with a red rectangle.

5.1.3. Vitals

Vitals is the second tab that does not include a query editor. Instead, the vitals tab initially displays a table of the latest common vitals. You can view past readings by clicking on the vital name, results will display to the right with a default date range of **one year for Outpatient** and **one week for Inpatient**. Additional Vitals may be added to the table by clicking on the **Vital name**. They can be removed by clicking again.

Figure 50: Vitals Display

The screenshot shows the Vitals Display interface. It features two main tables. The left table, 'Latest Vitals', lists common vital signs. The right table, 'Readings', shows historical data for a selected vital sign, with a date range filter at the top.

Vital Name	Metric Value	US Std Value	Qualifier	Date/Time Taken	Facility
T	37.22 C	99.0 F	CORE	12/02/2022 11:16	
HT	182.88 cm	72.0 in	ACTUAL	12/02/2022 11:16	
WT	65.77 kg	145.0 lb		12/13/2022 11:14	
BP	115/75		L ARM, LYING, ADULT CUFF, AT REST	12/02/2022 11:16	
P	120		BILATERAL PERIPHERALS, LEFT, AT REST, SEMIFOWLERS	12/02/2022 11:16	
CVP	24			12/02/2022 10:27	
R	80		LYING, AT REST	12/02/2022 11:16	
POX	99		AT REST	12/02/2022 11:16	
PN	0			12/02/2022 11:16	

Vital Name	Metric Value	US Std Value	Qualifier	Date/Time Taken	Facility
PULSE OXIMETRY	99 %		AT REST	12/02/2022 11:16	
PAIN	0			12/02/2022 11:16	
PULSE OXIMETRY	99 %		AT REST	12/02/2022 10:27	
PAIN	0			12/02/2022 10:27	
PULSE OXIMETRY	Pass	Pass		01/21/2023 14:22	
PAIN	Pass	Pass		01/21/2023 14:22	
PULSE OXIMETRY	66 %		AFTER EXERCISE	11/16/2022 14:02	

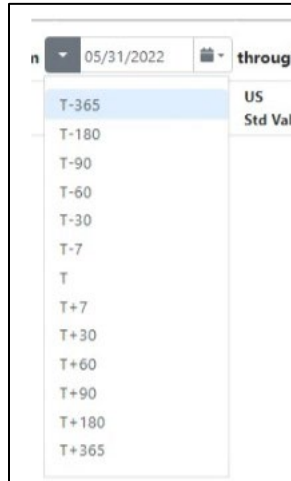
To change the date range, modify the Readings from or through dates.

Figure 51: Vitals Date Range

The screenshot shows the date range selection interface. It includes a 'Readings from' dropdown, a date input field with '05/18/2018', a 'through' label, another date input field with '05/31/2023', and a 'Read' button.

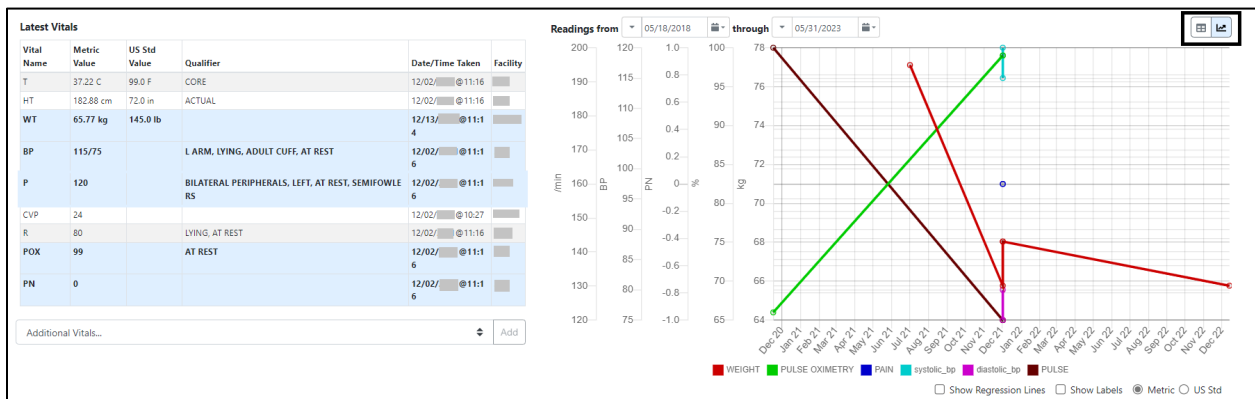
There are several ways to enter dates - typing the date, clicking on the calendars or select from **common date ranges** by clicking on the **down arrows** to the left of the date/time as shown below.

Figure 52: Vitals Commonly Used Date Ranges



Vital types in the date range table may also be shown in a graph by selecting the **graphing icon** located in the top right corner of the Vitals screen.

Figure 53: Vitals Graphing



5.1.4. Labs

The Current Query default for Labs is Collection Date/Time within the past year, sorted by Collection Date/Time with newest results first, and 100 records per page. The Filter and sort criteria can be changed using the Query Editor. The Query Editor is accessed by clicking the blue down arrow.

Figure 54: Labs Current Query

The screenshot shows a navigation bar with tabs: Med List, Allergies and ADRs (8+), Vitals, Labs, Progress Notes, Consults, Problem List, Immunizations, and Appointments. Below the tabs is a box containing the text: "Current Query: Records where Collection Date/Time on or after 06/20/2022@0000, sorted by Collection Date/Time descending, 100 results/page".

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 55: Labs Select Filter Field

The screenshot shows the "Add Filter" section. A dropdown menu labeled "Select Filter Field" is open, displaying a list of fields: Collection Date/Time, Test Name, Flag, Specimen, Provider, Ordered Date/Time, Status, Urgency, Accession#, Available Date/Time, Hospital Location, Facility, and Report Text. To the right of the dropdown is a "contains" operator and a "Filter Text" input field. Below the dropdown is a table with two columns: "Test" and "Name". The table contains two rows: "URINE(DRUG SCREEN)" and "CYTOLOGY URINE".

Figure 56: Labs Filter Contains Field

The screenshot shows the 'Add Filter' dialog. The 'Select Filter Field' dropdown is open, showing 'contains' as the selected operator. The 'Filter Text' field is empty. Below the dialog, a table shows patient data with columns 'Collection' and 'Date/Time'. The first row shows '10/18/2021@14:08' and 'URINE(DRUG SCREEN)'.

For efficiency, the Filter Text box turns into a **Select a Value** drop down with options specific to the patient's data.

Figure 57: Labs Filter Contains Field

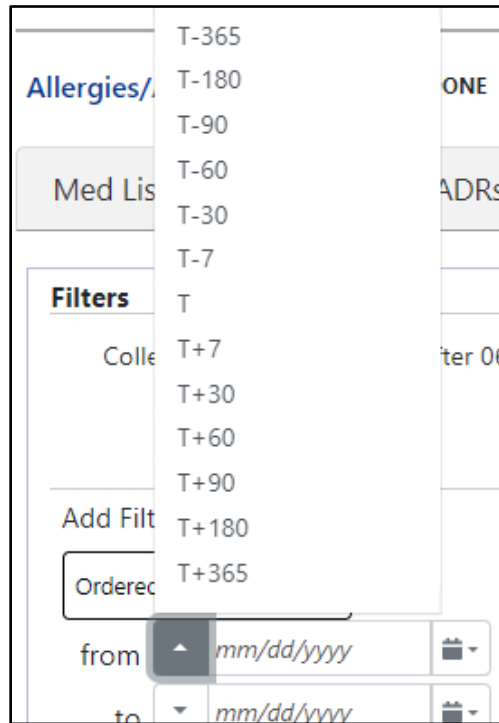
The screenshot shows the 'Add Filter' dialog. The 'Select Filter Field' dropdown is open, showing 'is' as the selected operator. The 'Filter Text' field is now a dropdown menu with the text 'Select a value...'. The dropdown menu is open, showing a list of values: H, L, H*, and L*. Below the dialog, a table shows patient data with columns 'Collection' and 'Date/Time'. The first row shows '10/18/2021@14:08' and 'URINE(DRUG SCREEN)'.

Figure 58: Labs Selecting a Value

The screenshot shows the 'Add Filter' dialog. The 'Select Filter Field' dropdown is open, showing 'is' as the selected operator. The 'Filter Text' field is now a dropdown menu with the text 'Select a value...'. The dropdown menu is open, showing a list of values: CYTOLOGY URINE and URINE(DRUG SCREEN). Below the dialog, a table shows patient data with columns 'Collection' and 'Date/Time'. The first row shows '10/18/2021@14:08' and 'URINE(DRUG SCREEN)'.

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

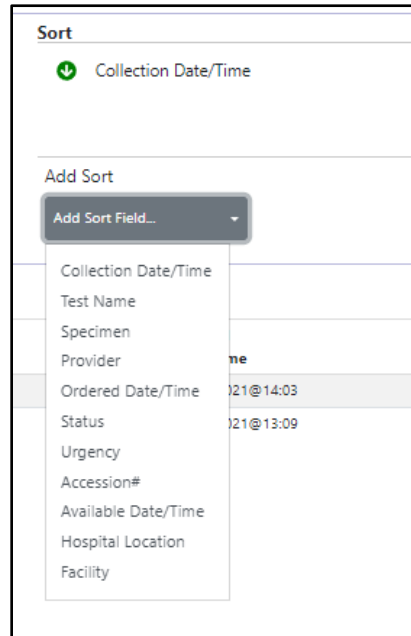
Figure 59: Labs Selecting a Date Range



Adding Sort Criteria:

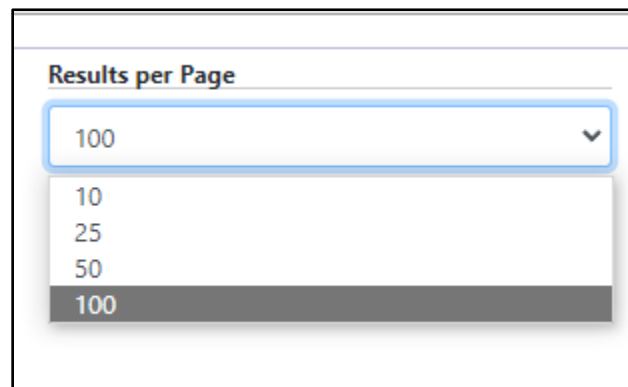
Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 60: Labs Adding Sort Criteria



By selecting **Results per Page**, you can decrease the number of results per page as below, the default is 100.

Figure 61: Labs Results Per Page



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located in the right side of the section.

Figure 62: Labs Add Button for Sort criteria

The screenshot shows the 'Filters*' and 'Sort*' sections of the query editor. The 'Filters*' section contains two criteria: 'Collection Date/Time on or after 06/20/2022@0000' and 'AND Status is "COMPLETE"'. The 'Sort*' section contains one criterion: 'Collection Date/Time'. Both sections have an 'Add' button. The 'Add' button in the 'Sort*' section is highlighted with a black box. Below the sections are input fields for 'Add Filter' and 'Add Sort', each with a dropdown menu, a 'contains' or 'Add Sort Field...' dropdown, and a text input field. The 'Add' button in the 'Add Sort' section is also highlighted with a black box. At the bottom left is a 'Hide Query Editor' button.

To process the list with your new criteria, click the **Refresh** button.

Figure 63: Labs Refresh Button

The screenshot shows the 'Filters*', 'Sort*', and 'Results per Page*' sections. The 'Filters*' section contains two criteria: 'Collection Date/Time on or after 06/20/2022@0000' and 'AND Status is "COMPLETE"'. The 'Sort*' section contains two criteria: 'Collection Date/Time' and 'Provider'. The 'Results per Page*' section has a dropdown menu set to '100'. An 'Execute' dialog box is open on the right, showing 'Refresh' and 'Reset' buttons. The 'Refresh' button is highlighted with a black box. Below the sections are input fields for 'Add Filter' and 'Add Sort', each with a dropdown menu, a 'contains' or 'Add Sort Field...' dropdown, and a text input field. The 'Add' button in the 'Add Sort' section is also highlighted with a black box. At the bottom left is a 'Hide Query Editor' button.

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 64: Labs Red "X" Buttons

The screenshot shows the 'Filters*' and 'Sort*' sections. The 'Filters*' section contains two criteria: 'Collection Date/Time on or after 06/20/2022@0000' and 'AND Status is "COMPLETE"'. The 'Sort*' section contains two criteria: 'Collection Date/Time' and 'Provider'. Red 'X' buttons are visible next to each criterion. The 'X' buttons are highlighted with black boxes. Below the sections are input fields for 'Add Filter' and 'Add Sort', each with a dropdown menu, a 'contains' or 'Add Sort Field...' dropdown, and a text input field. The 'Add' button in the 'Add Sort' section is also highlighted with a black box. At the bottom left is a 'Hide Query Editor' button.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 65: Labs Reset Button

The screenshot shows the 'Labs' query editor interface. It includes sections for 'Filters' (with a filter for 'Collection Date/Time on or after 06/21/2022@0000' and 'AND Status is "COMPLETE"'), 'Sort' (with 'Collection Date/Time' and 'Provider'), 'Results per Page' (set to 100), and an 'Execute' section with 'Refresh' and 'Reset' buttons. The 'Reset' button is highlighted with a red rectangle. Below these sections are 'Add Filter' and 'Add Sort' buttons with dropdown menus for selecting fields and operators. A 'Hide Query Editor' link is at the bottom left.

5.1.5. Progress Notes

The default filter/sort criteria for Progress Notes is: Records within the last year, sorted by Date/Time Entered with most recent notes first, 100 results per page. These criteria may be changed using the **Query Editor** by clicking on the blue drop-down arrow to the left of the Current Query.

Figure 66: Progress Notes Current Query

The screenshot shows the 'Progress Notes' tab selected in the top navigation bar. Below the tabs, a blue bar displays the 'Current Query': 'Records where Date/Time Entered on or after 06/20/2020, sorted by Date/Time Entered descending, 100 results/page'. A red rectangle highlights this bar.

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 67: Progress Notes Select Filter Field

The screenshot shows the 'Add Filter' dialog box. The 'Select Filter Field' dropdown menu is open, displaying a list of fields: 'Local Title', 'Date/Time Entered', 'Author', 'Status', 'Hospital Location', 'Facility', and 'Standard Title'. The 'Facility' field is highlighted. To the right of the dropdown are 'contains' and 'Filter Text' fields. The background shows the 'EMATOLOGY AND ONCOLOGY' section.

Figure 68: Progress Notes Add Filter Contains

The screenshot shows a dialog box titled "Add Filter". It contains a "Select Filter Field" dropdown, a dropdown menu with "contains" selected, and a "Filter Text" input field. Below the dropdown menu, the options "contains", "is", and "is not" are visible. There is also a "Hide Query Editor" button and a "Local Title" label.

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

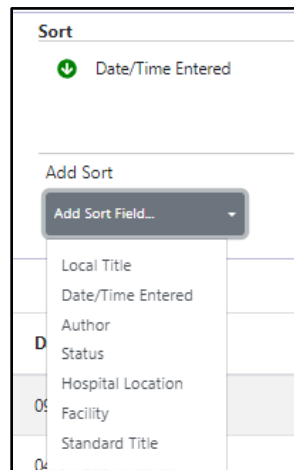
Figure 69: Progress Notes Add Filter

The screenshot shows a dialog box titled "Filters*". It contains a "No filters specified." message. Below this is an "Add Filter" section with a "Date/Time Entered" dropdown, a "from" dropdown, a date input field with a calendar icon, and an "Add" button. A dropdown menu is open showing common date ranges: T-365, T-180, T-90, T-60, T-30, T-7, T, T+7, T+30, T+60, T+90, T+180, and T+365. There is also a "Hide Query Editor" button and a "Local Title" label.

Adding Sort Criteria:

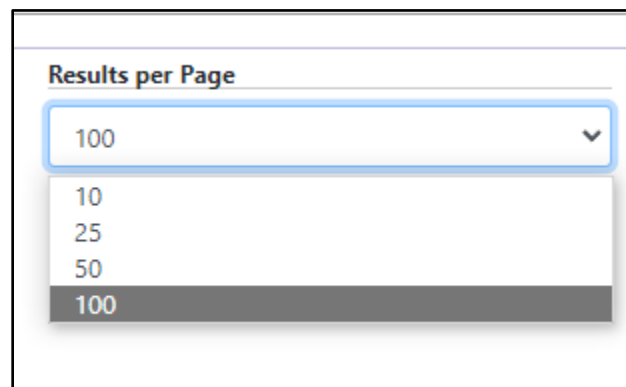
Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 70:Progress Notes Add Sort Field



Selecting **Results per Page**. You can decrease the number of results per page as below, the default is 100.

Figure 71: Progress Notes Results Per Page



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located in the right side of the section.

Figure 72: Progress Notes Add Buttons

The screenshot shows a query editor interface with two main sections: **Filters*** and **Sort***.
In the **Filters*** section, there is a filter rule: "Date/Time Entered on or after 05/21/2023" with a red 'X' icon. Below this, there is an "Add Filter" section with a dropdown menu set to "Author", a "contains" operator, and a "Filter Text" input field. A blue "+ Add" button is highlighted with a black box.
In the **Sort*** section, there is a sort rule: "Date/Time Entered" with a green down arrow icon and a red 'X' icon. Below this, there is an "Add Sort" section with a dropdown menu set to "Hospital Location". A blue "+ Add" button is highlighted with a black box.
At the bottom left, there is a "Hide Query Editor" link.

To process the list with your new criteria, click the Refresh button.

Figure 73: Refresh Button

The screenshot shows a query editor interface with **Filters***, **Sort***, and **Results per Page*** sections.
The **Filters*** section has two rules: "Date/Time Entered on or after 06/20/2022" and "AND Author contains 'Smith'", both with red 'X' icons.
The **Sort*** section has two rules: "Date/Time Entered" and "Hospital Location", both with green down arrow icons and red 'X' icons.
The **Results per Page*** section has a dropdown menu set to "100".
On the right side, there is an "Execute" section with a blue "Refresh" button (highlighted with a black box) and a "Reset" button. Below these buttons, there is a note: "Query changed, click 'Refresh' to apply".
At the bottom left, there is a "Hide Query Editor" link.

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 74: Remove single criteria Notes tab

The screenshot shows the Query Editor interface for the Notes tab. It features a 'Filters' section with a single filter: 'Date/Time Entered on or after 06/21/2020'. A red square with a white 'X' is positioned next to this filter. Below the filter is an 'Add Filter' section with a dropdown menu set to 'Date/Time Entered', and 'from' and 'to' date pickers both set to 'mm/dd/yyyy'. An 'Add' button is to the right. The 'Sort' section shows a single sort: 'Date/Time Entered' with a green checkmark. A red square with a white 'X' is next to it. Below the sort is an 'Add Sort' section with a dropdown menu set to 'Add Sort Field...' and an 'Add' button. The 'Results per Page' section shows a dropdown menu set to '100'. The 'Execute' section has 'Refresh' and 'Reset' buttons. A 'Hide Query Editor' link is at the bottom left.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 75: Reset button for Notes

This screenshot is identical to Figure 74, showing the Query Editor for the Notes tab. However, the 'Reset' button in the 'Execute' section is highlighted with a black rectangular box.

5.1.6. Consults

The default display for the Consults tab is All Records, sorted by Date/Time descending, 100 results/page. The filter and sort criteria maybe changed using the Query Editor.

Figure 76: Consults current query

The screenshot shows the top of the Consults tab interface. It has a series of tabs: 'Med List', 'Allergies and ADRs' (with a blue circle containing the number '1'), 'Vitals', 'Labs', 'Progress Notes', 'Consults' (which is the active tab), and 'Problem List'. Below the tabs is a blue-bordered box containing a checkbox (which is checked) and the text: 'Current Query: All Records, sorted by Date/Time descending, 100 results/page'.

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 77: Consults Select Filter Field

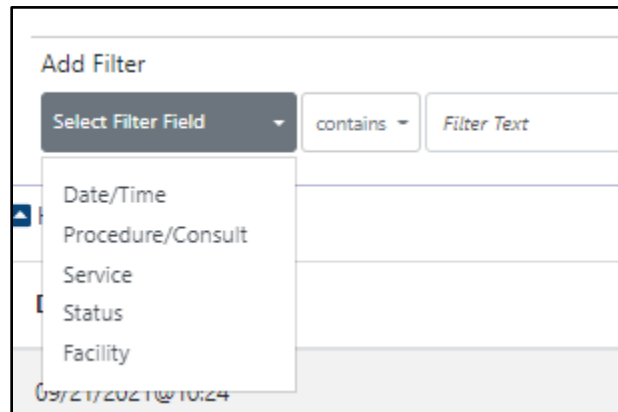
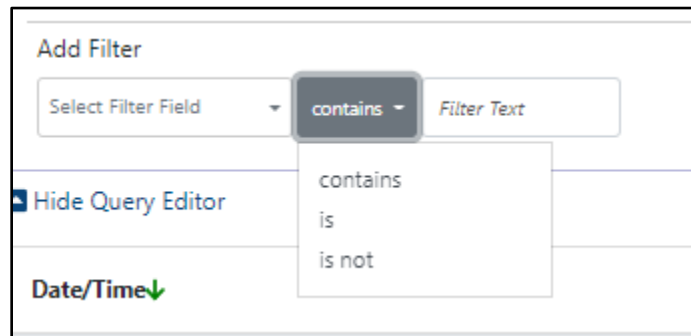
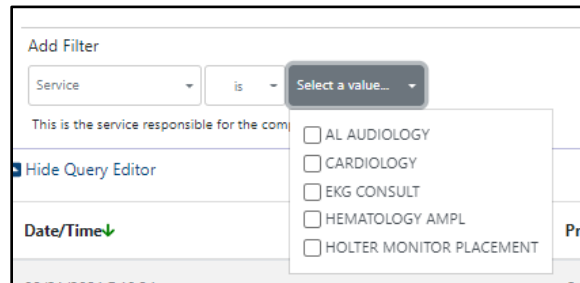


Figure 78: Consults Filter Contains



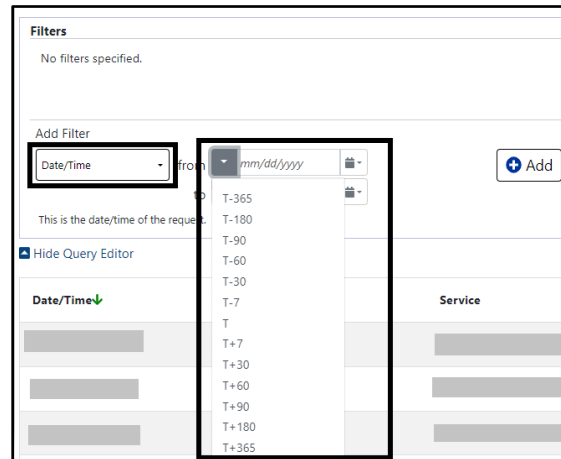
To make it easy to add filters, the Filter Text box turns into a **Select a Value** drop down with options specific to the patient's data.

Figure 79: Consults Selecting a Value



If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

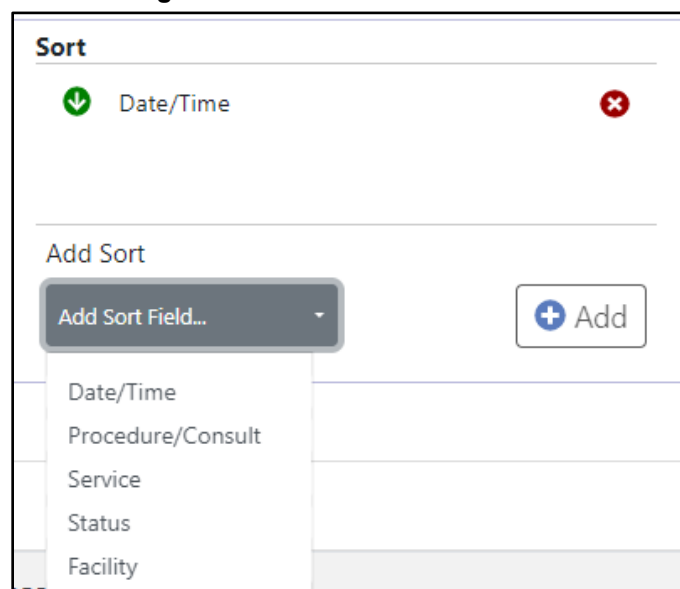
Figure 80: Consult Date/time filter



Adding Sort Criteria:

Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 81: Consults Add Sort Field



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located in the right side of the section.

Figure 82: Consults New Filter Add button

Filters*

No filters specified.

Add Filter

Status is SCHEDULED

This is the CPRS status of the consult (e.g.,

- ☐ COMPLETE
- ☐ DISCONTINUED
- ☐ PENDING
- ☒ SCHEDULED

+ Add

Hide Query Editor

Date/Time↓ Proc Service

Selecting **Results per Page**. You can decrease the number of results per page as shown below, the default is 100.

Figure 83: Consults Results Per Page

Results per Page

100

10

25

50

100

To process the list with your new criteria, click the Refresh button.

Figure 84: Refresh/Reset Buttons

The screenshot shows the AMPL GUI interface. On the right side, there is a box labeled "Execute" containing two buttons: "Refresh" and "Reset". The "Refresh" button is highlighted with a red border. Below the buttons, a small note reads: "Query changed, click 'Refresh' to apply". The main interface shows filters and sort criteria.

Filters*

Status is "SCHEDULED" [X]

Sort*

✓ Date/Time [X]
✓ Facility [X]

Results per Page*

100

Execute

Refresh
Reset

*Query changed, click "Refresh" to apply

Add Filter

Select Filter Field [v] contains [v] Filter Text [v] [Add]

Add Sort

Add Sort Field... [v] [Add]

☒ Hide Query Editor

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 85: Consult Remove Single Criteria

The screenshot shows the AMPL GUI interface. The "Filters" section shows "Status is 'COMPLETE'" with a red X button next to it. The "Sort" section shows "Date/Time" and "Facility" with red X buttons next to them. The "Execute" section shows "Refresh" and "Reset" buttons. The "Reset" button is highlighted with a red border.

Filters

Status is "COMPLETE" [X]

Sort

✓ Date/Time [X]
✓ Facility [X]

Results per Page

100

Execute

Refresh
Reset

Add Filter

Select Filter Field [v] contains [v] Filter Text [v] [Add]

Add Sort

Add Sort Field... [v] [Add]

☒ Hide Query Editor

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 86: Consult Reset Button

The screenshot shows the AMPL GUI interface. The "Filters" section shows "Status is 'COMPLETE'" with a red X button next to it. The "Sort" section shows "Date/Time" and "Facility" with red X buttons next to them. The "Execute" section shows "Refresh" and "Reset" buttons. The "Reset" button is highlighted with a red border.

Filters

Status is "COMPLETE" [X]

Sort

✓ Date/Time [X]
✓ Facility [X]

Results per Page

100

Execute

Refresh
Reset

Add Filter

Select Filter Field [v] contains [v] Filter Text [v] [Add]

Add Sort

Add Sort Field... [v] [Add]

☒ Hide Query Editor

5.1.7. Problem List

The default view for the Problem List tab is all active problems sorted by Immediacy (Acute, Chronic or Unknown) in alphabetical order, then by Description in Alphabetical order.

Figure 87: Problem List Current Query

The screenshot shows a navigation bar with tabs: Med List, Allergies and ADRs (10+), Vitals, Labs, Progress Notes, Consults, and Problem List. Below the tabs, a query box displays: ☒ Current Query: Records where Status is "Active", sorted by Immediacy ascending, then Description ascending. Below the query box is a checkbox labeled ☐ Show Comments.

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 88: Problem List Select Filter Field

The screenshot shows the 'Add Filter' section. A dropdown menu labeled 'Select Filter Field' is open, displaying a list of fields: Status, Verified, Immediacy, Onset Date, Last Updated Date, Facility, Description, and Comments. To the right of the dropdown is a dropdown menu labeled 'contains' and a text input field labeled 'Filter Text'. Below the dropdown menu, a table is visible with the word 'Verified' in the first column and 'Verified' in the second column.

Figure 89: Problem List Add Filter Operators

The screenshot shows the 'Add Filter' section. A dropdown menu labeled 'Select Filter Field' is open, displaying a list of operators: contains, is, and is not. To the right of the dropdown menu is a text input field labeled 'Filter Text'. Below the dropdown menu, a table is visible with the word 'Verified' in the first column and 'Verified' in the second column.

To make it easy to add filters, the Filter Text box turns into a **Select a Value** drop down with values specific to the patient's data.

Figure 90: Problem List Selecting a Value

The screenshot shows the 'Add Filter' interface. It includes a dropdown menu for 'Immediacy' and a radio button for 'is'. A 'Select a value...' dropdown is open, showing three options: 'Acute', 'Chronic', and 'Unknown'. Below the filter options, there is a text box with the placeholder 'This is an indication of how critical a problem is'. At the bottom, there are buttons for 'Hide Query Editor' and 'Show Comments'.

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

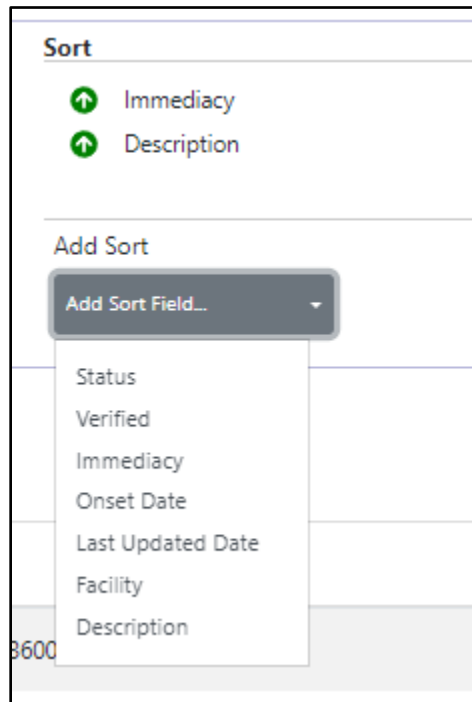
Figure 91: Problem List Add Date Range Filter

The screenshot shows the 'Add Filter' interface for a date range. It includes a dropdown menu for 'Last Updated Date' and a text box for 'from' with a date format 'mm/dd/yyyy'. A dropdown menu is open, showing common date ranges: T-365, T-180, T-90, T-60, T-30, T-7, T, T+7, T+30, T+60, T+90, T+180, and T+365. Below the filter options, there is a text box with the placeholder 'This is the last date/time this problem is'. At the bottom, there are buttons for 'Hide Query Editor' and 'Show Comments'. The main content area shows a table with columns 'Status' and 'Verified', and a 'Description / Comments' section.

Adding Sort Criteria:

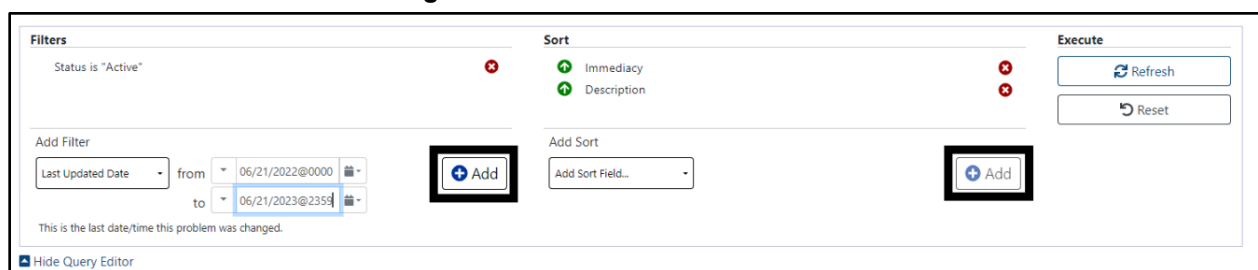
Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 92: Problem List Adding Sort Field



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located in the right side of the section.

Figure 93: Problem List Add Buttons



To process the list with your new criteria, click the Refresh button.

Figure 94: Problem List Refresh Button

The screenshot shows the 'Problem List' query editor interface. It has two main sections: 'Filters*' and 'Sort*'. The 'Filters*' section contains two criteria: 'Status is "Active"' and 'AND Last Updated Date between 06/21/2022@0000 and 06/01/2023@2359'. The 'Sort*' section contains two criteria: 'Immediacy' and 'Description'. To the right of these sections are 'Add Filter' and 'Add Sort' buttons. On the far right, under the 'Execute' heading, there are 'Refresh' and 'Reset' buttons. The 'Refresh' button is highlighted with a black rectangular box. Below the buttons, there is a small red text note: '*Query changed, click "Refresh" to apply'. At the bottom left, there is a 'Hide Query Editor' checkbox.

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 95: Problem List Remove single Filter or Sort

This screenshot is identical to Figure 94, showing the 'Problem List' query editor. However, in this image, the 'Red X' buttons next to each filter and sort criterion are highlighted with black rectangular boxes, indicating how to remove individual criteria.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 96: Problem List Reset button

This screenshot is identical to Figure 94, showing the 'Problem List' query editor. In this image, the 'Reset' button under the 'Execute' heading is highlighted with a black rectangular box, indicating how to clear all filters and sorts.

5.1.8. Immunizations

The default view for the Immunizations tab is All Records, sorted by Name (of immunization), most recent record first. The filter and sort criteria may be changed using the Query Editor. It is access by be clicking on the blue down-arrow next to the Current Query.

Figure 97: Immunizations Current Query

The screenshot shows the top navigation bar of the application with several tabs: 'Med List', 'Allergies and ADRs' (with a blue circle containing the number 1), 'Vitals', 'Labs', 'Progress Notes', 'Consults', 'Problem List', and 'Immunizations'. Below the tabs, there is a dropdown menu labeled 'Current Query: All Records, sorted by Name (of immunization) ascending'. This dropdown menu is highlighted with a black rectangular box.

Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 98: Immunizations Select Filter Field

The screenshot shows the 'Add Filter' dialog box. At the top, it says 'Add Filter'. Below this, there is a 'Select Filter Field' dropdown menu which is currently open, displaying a list of fields: 'Name (of immunization)', 'Administration Date/Time', 'Reaction', 'Facility', 'Full name (of immunization)', 'Series', 'Contraindicated', 'Lot #', 'NDC', 'Location', and 'Comments'. To the right of the dropdown menu is a 'contains' dropdown menu, and further right is a text input field labeled 'Filter Text'.

Figure 99: Immunizations Add Filter Operators

The screenshot shows the 'Add Filter' dialog box. The 'Select Filter Field' dropdown menu is now closed, and the 'contains' dropdown menu is open, displaying a list of operators: 'contains', 'is', and 'is not'. The text input field labeled 'Filter Text' is still visible to the right. Below the dropdown menus, there is a 'Hide Query Editor' button and a text input field labeled 'Name (of immunization)'.

To make it easy to add filters, the Filter Text box turns into a **Select a Value** drop down with options specific to the patient's data.

Figure 100: Immunizations Selecting a Value

The screenshot shows a filter configuration interface. At the top, there's a section titled "Add Filter". Below it, a dropdown menu is open, showing the text "Reaction" and the word "is". To the right of "is" is another dropdown menu labeled "Select a value...". This menu is open, displaying three options: "FEVER", "LETHARGY", and "RASH OR ITCHING", each with an unchecked checkbox. Below the filter configuration, there's a button labeled "Hide Query Editor". At the bottom, there's a label "Name (of immunization)↑" with a green upward arrow.

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

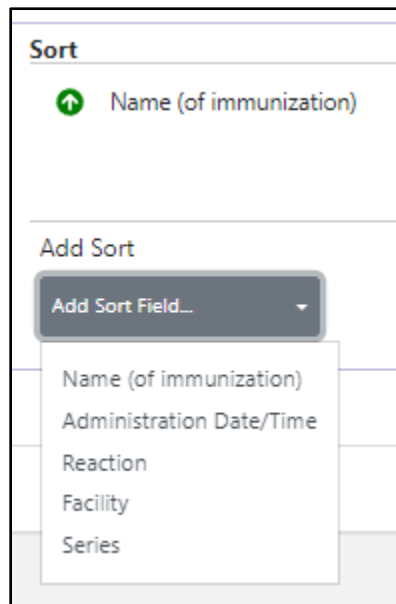
Figure 101: Immunization Date Filter

The screenshot shows a filter configuration interface titled "Filters". Below the title, it says "No filters specified." There's a section titled "Add Filter". Below it, a dropdown menu is open, showing the text "Administration Date/T..." and the word "from". To the right of "from" is a date input field with a calendar icon. Below the date input field is a dropdown menu labeled "to". This menu is open, displaying a list of date ranges: "T-365", "T-180", "T-90", "T-60", "T-30", "T-7", "T", "T+7", "T+30", "T+60", "T+90", "T+180", and "T+365". To the right of the date input field is a button labeled "+ Add". Below the filter configuration, there's a button labeled "Hide Query Editor".

Adding Sort Criteria:

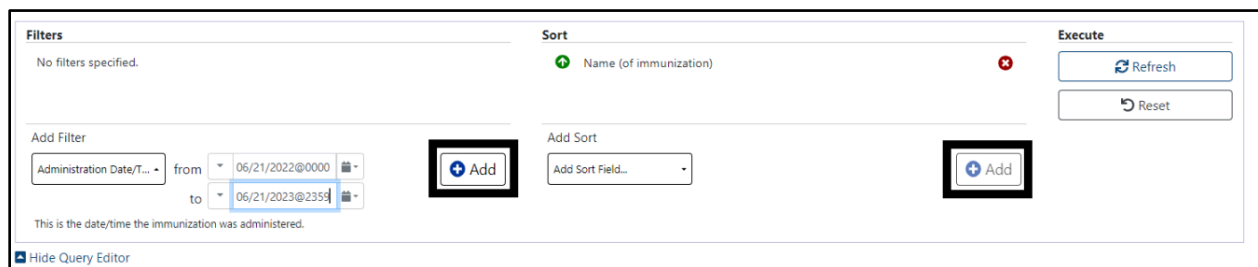
Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 102: Immunizations Adding Sort Criteria



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located on the right side of the section.

Figure 103: Immunizations Add Buttons



To process the list with your new criteria, click the Refresh button.

Figure 104: Immunizations Refresh Button

The screenshot shows the 'Immunizations' interface. On the left, under 'Filters*', there is a filter: 'Administration Date/Time between 06/21/2022@0000 and 06/01/2023@2359' with a red 'X' icon to its right. Below this is an 'Add Filter' section with a dropdown 'Select Filter Field', a dropdown 'contains', and a text input 'Filter Text', followed by an 'Add' button. On the right, under 'Sort*', there is a sort: 'Name (of immunization)' with a green checkmark icon to its left and a red 'X' icon to its right. Below this is an 'Add Sort' section with a dropdown 'Add Sort Field...' and an 'Add' button. On the far right, under 'Execute', there are two buttons: 'Refresh' (highlighted with a black box) and 'Reset'. A small red text note below the buttons says '*Query changed, click "Refresh" to apply'. At the bottom left, there is a link 'Hide Query Editor'.

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 105: Immunization Remove Single Criteria

The screenshot shows the 'Immunizations' interface. Under 'Filters', the filter 'Administration Date/Time between 06/21/2022@0000 and 06/01/2023@2359' has a black box with a red 'X' icon next to it. Under 'Sort', the sort 'Name (of immunization)' has a black box with a red 'X' icon next to it. The 'Add Filter' and 'Add Sort' sections are the same as in Figure 104. The 'Execute' section has 'Refresh' and 'Reset' buttons. The red text note '*Query changed, click "Refresh" to apply' is still present. The 'Hide Query Editor' link is at the bottom left.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

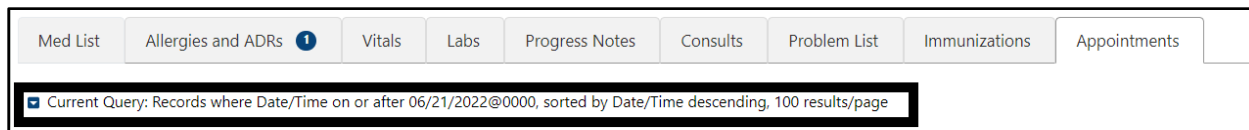
Figure 106: Immunization Reset button

The screenshot shows the 'Immunizations' interface. Under 'Filters', the filter 'Administration Date/Time between 06/21/2022@0000 and 06/01/2023@2359' has a red 'X' icon to its right. Under 'Sort', the sort 'Name (of immunization)' has a green checkmark icon to its left and a red 'X' icon to its right. The 'Add Filter' and 'Add Sort' sections are the same as in Figure 104. On the far right, under 'Execute', there are two buttons: 'Refresh' and 'Reset' (highlighted with a black box). The red text note '*Query changed, click "Refresh" to apply' is still present. The 'Hide Query Editor' link is at the bottom left.

5.1.9. Appointments

The default display for the Appointments tab is Records within the last year, sorted by Date/Time descending, 100 results/page. The filter and sort criteria may be changed using the Query Editor. It is access by clicking on the blue down-arrow next to the Current Query.

Figure 107: Appointments Current Query



Adding Filter Criteria:

The drop-down list of Filter Fields displays a list of fields that can be used to restrict the list. The list of operators' changes based on the type of data selected in the filter field.

Figure 108: Appointments Select Filter Field

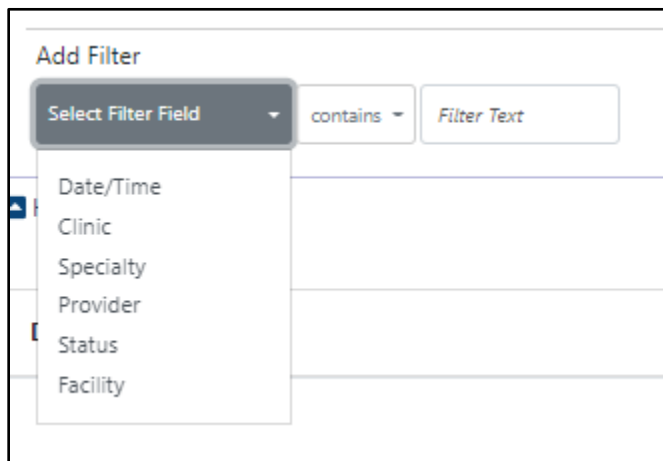
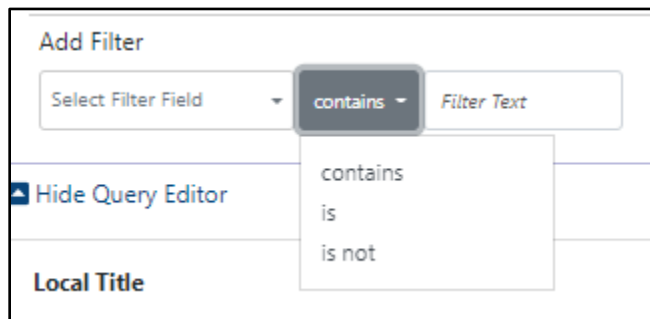


Figure 109: Appointments Add Filter Operators



To make it easy to add filters, the Filter Text box turns into a **Select a Value** drop down with options specific to the patient's data.

Figure 110: Appointments Filter

The screenshot shows the 'Filters' section of the AMPL GUI. At the top, there is a filter text box containing 'Date/Time on or after 06/21/2022@0000' and a red 'X' icon. Below this is the 'Add Filter' section. It contains three dropdown menus: 'Status', 'is', and 'Select a value...'. The 'Select a value...' dropdown is open, showing a list of options: 'CHECKED OUT', 'FUTURE', 'NON-COUNT', and 'NON-COUNT/CHECKED IN'. To the right of the dropdowns is a blue '+ Add' button. Below the dropdowns, there is a text box with the placeholder 'This is the status of the appointment.' and a 'Hide Query Editor' button.

If the filter is a date range, there are several ways to enter dates - typing the date, clicking on the calendars, or clicking on the down arrows to the left of the date/time box which displays common date ranges as shown below:

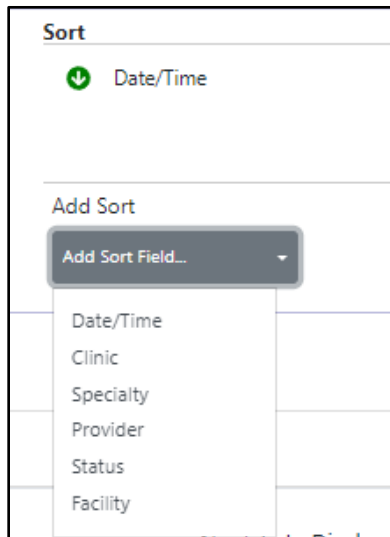
Figure 111: Appointments Date Filter

The screenshot shows the 'Filters' section of the AMPL GUI. At the top, there is a filter text box containing 'Date/Time on or after 06/21/2022@0000' and a red 'X' icon. Below this is the 'Add Filter' section. It contains three dropdown menus: 'Date/Time', 'from', and 'to'. The 'from' dropdown is open, showing a list of common date ranges: 'T-365', 'T-180', 'T-90', 'T-60', 'T-30', 'T-7', 'T', 'T+7', 'T+30', 'T+60', 'T+90', 'T+180', and 'T+365'. To the right of the dropdowns is a blue '+ Add' button. Below the dropdowns, there is a text box with the placeholder 'This is the date/time of the appointment.' and a 'Hide Query Editor' button.

Adding Sort Criteria:

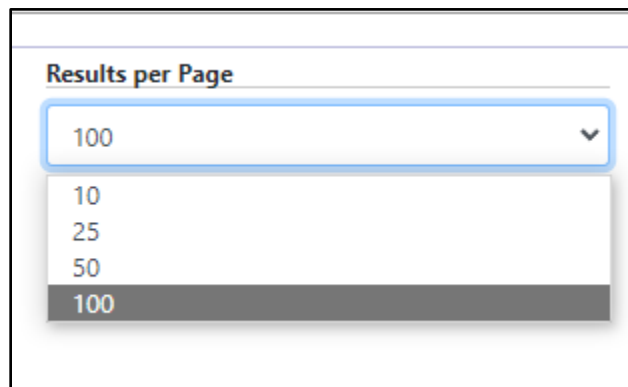
Setting **Sort** criteria is like setting filter criteria. A dropdown box shows the fields that can be used for sorting.

Figure 112: Appointments Add Sort Criteria



Selecting **Results per Page**. You can decrease the number of results per page as below, the default is 100.

Figure 113: Appointments Results Per Page



As each filter or sort is defined, click the **Add** button to add it to the query. There is an Add button for each section, located in the right side of the section.

Figure 114: Appointments Add Buttons

The screenshot shows the 'Filters' and 'Sort' sections of the query builder. In the 'Filters' section, a filter for 'Date/Time on or after 06/21/2022@0000' is active. Below it, the 'Add Filter' section shows a dropdown for 'Status' with 'is' as the operator and 'FUTURE' as the value. A red 'X' button is next to the filter. In the 'Sort' section, a sort for 'Date/Time' is active. Below it, the 'Add Sort' section shows a dropdown for 'Add Sort Field...'. A red 'X' button is next to the sort. Both the 'Add Filter' and 'Add Sort' sections have a blue '+ Add' button highlighted with a black box. The 'Execute' section on the right has 'Refresh' and 'Reset' buttons. The 'Results per Page' dropdown is set to '100'.

To process the list with your new criteria, click the Refresh button.

Figure 115: Appointments Refresh Button

The screenshot shows the same query builder interface as Figure 114, but with the 'Refresh' button in the 'Execute' section highlighted with a black box. The 'Filters' section now shows the filter 'Date/Time on or after 06/21/2022@0000 AND Status is "FUTURE"'. The 'Sort' section shows the sort 'Date/Time'. The 'Add Filter' and 'Add Sort' sections are empty. The 'Results per Page' dropdown is set to '100'. A message at the bottom right says '*Query changed, click "Refresh" to apply'.

To remove single filter or sort criteria, including one of the defaults, click the **Red X** next to it.

Figure 116: Appointments Remove Single Criteria

The screenshot shows the same query builder interface as Figure 115, but with the 'Red X' buttons next to the filter and sort criteria highlighted with black boxes. The 'Filters' section shows the filter 'Date/Time on or after 06/21/2022@0000 AND Status is "FUTURE"'. The 'Sort' section shows the sort 'Date/Time'. The 'Add Filter' and 'Add Sort' sections are empty. The 'Results per Page' dropdown is set to '100'. The 'Execute' section has 'Refresh' and 'Reset' buttons.

To clear all filters and sorts added by the user and return to the tab's default, click the **Reset** button.

Figure 117: Appointments Reset Button

The screenshot shows the same query builder interface as Figure 116, but with the 'Reset' button in the 'Execute' section highlighted with a black box. The 'Filters' section shows the filter 'Date/Time on or after 06/21/2022@0000 AND Status is "FUTURE"'. The 'Sort' section shows the sort 'Date/Time'. The 'Add Filter' and 'Add Sort' sections are empty. The 'Results per Page' dropdown is set to '100'. The 'Execute' section has 'Refresh' and 'Reset' buttons.