



AmkaiCharts

3.7 Features Document

200 Business Park Drive, Suite 208 | Armonk, New York 10504
Phone: 855.462.6524 | www.amkai.com

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AmkaiSolutions
555 North Point Center East, Suite 300
Alpharetta, Georgia 30022
855.462.6524 | www.amkai.com

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1 Introduction

Welcome to **AmkaiCharts™ 3.7**. This release introduces many new features and functionality that will provide improved workflow and enhanced user interaction with the software. Please be sure to review this document in full so that you are aware of the new options as well as the modifications that may have been made to existing functionality.

Also, please be sure to make yourself and other staff familiar with the links under the HELP menu that will take you to **AmkaiCentral**. If you have not yet registered for access to these great tools, please follow the instructions on the links for registering or contact Client Services for assistance.

As with all new release versions, administrators should be sure to check roles and permissions for new features as well as new reports that are added to the system with the upgrade and provide access to the staff that will make use of these enhancements. While this document is intended to inform users of all significant changes made to the software, all changes may not be reflected in the document. If you have questions, please do not hesitate to contact **AmkaiSolutions™**.

Note, certain functionalities described in these release notes require a license to additional modules with AmkaiCharts, including:

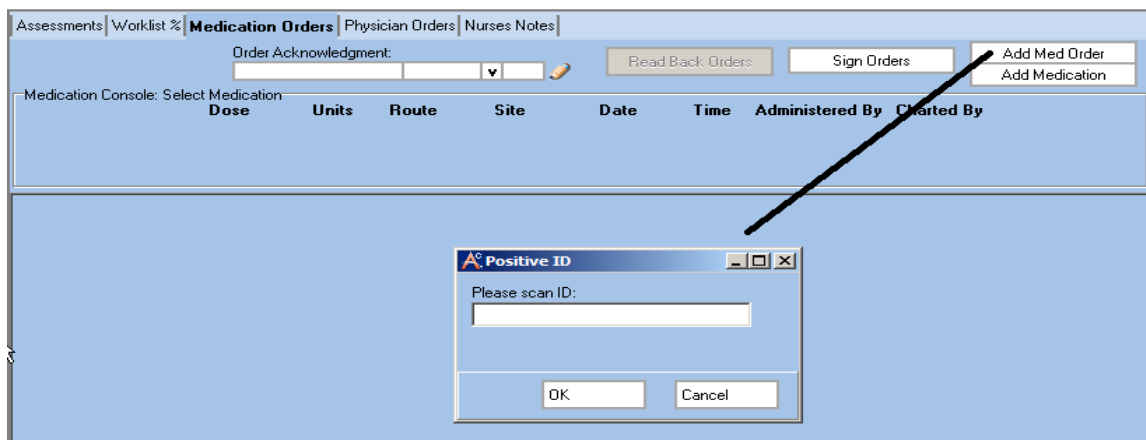
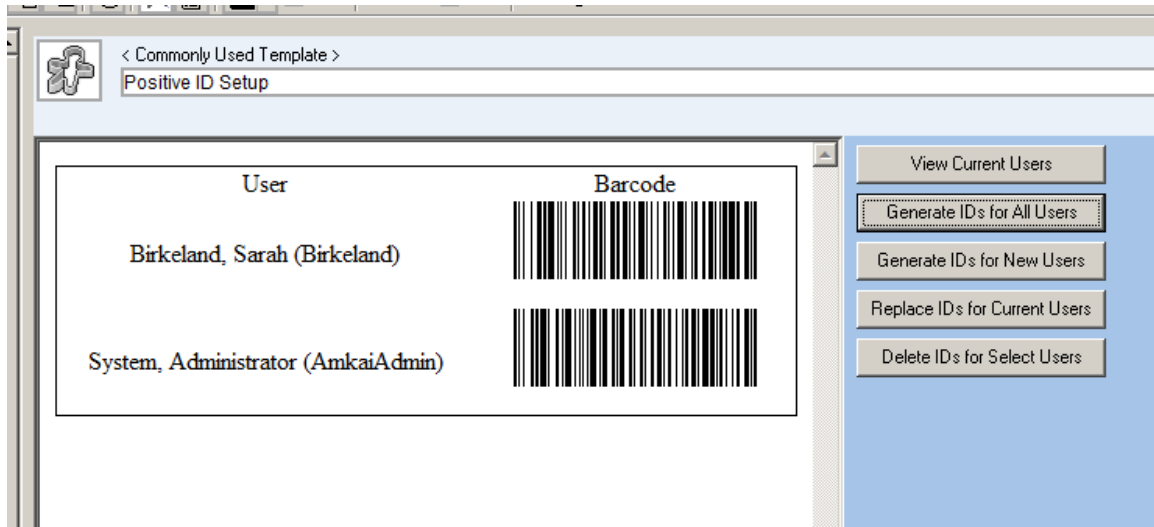
- AmkaiOffice
- ePrescribing
- Patient Portal (to Simple Admit or One Medical Passport)
- Medication Reconciliation

2 New Features

2.1 Features

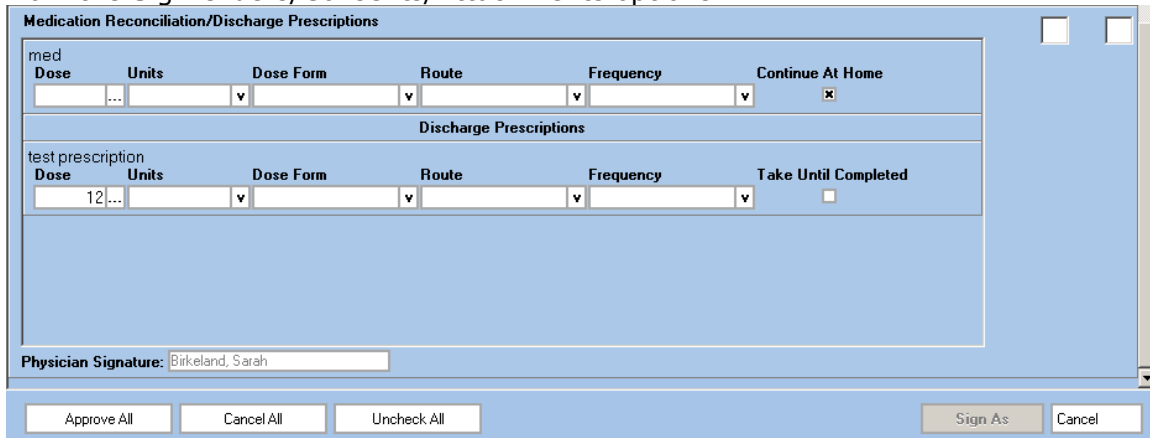
2.1.1 Positive ID for Medications in AmkaiCharts

Positive ID requires users to enter two forms of ID to verify they are the correct person documenting a medication or medication order in AmkaiCharts. This feature pertains to Ohio State regulations for users to provide dual authentication when charting medications electronically. This includes medication administration, standing medication orders, verbal medication orders, and medications administered in the Anesthesia Module. The AmkaiCharts application now provides a way for users to print barcodes unique to each user in AmkaiCharts. When administering or ordering a medication they will be prompted to scan their barcode to complete the transaction. The use of positive ID is turned on via the default surgical preferences.



2.1.2 Physician Tracker Discharge Prescriptions

The Physician Tracker in AmkaiCharts will now display any prescriptions charted in the medication reconciliation alongside the already displaying home medications from the Sign Orders/Consents/Attachments options.



The screenshot shows a software interface titled "Medication Reconciliation/Discharge Prescriptions". It features two main data entry sections. The first section, labeled "med", has columns for "Dose", "Units", "Dose Form", "Route", "Frequency", and "Continue At Home". The second section, labeled "test prescription", has columns for "Dose", "Units", "Dose Form", "Route", "Frequency", and "Take Until Completed". Below these sections is a "Physician Signature" field with the text "Birkeland, Sarah". At the bottom of the interface are several buttons: "Approve All", "Cancel All", "Uncheck All", "Sign As", and "Cancel".

2.1.3 Physician Tracker – Add Patients Height/Weight/BMI

The patient information are along the header of the Physician Tracker will now display the patients height, weight, and BMI alongside the other demographic information.

2.1.4 Physician Tracker – Medications to show Frequency and Reoccurrences

Users can now review and change the frequency and reoccurrences of a medication order when signing off on orders from the Physician Tracker task list.

2.1.5 Physician Tracker (Mine by Date) Task List

There is now a Physician Tracker Task List per physician that will give users a calendar based feature that will allow them to quickly navigate to different days of the week from the AmkaiCharts user desktop screen.

2.1.6 Discharge Directed By Mandatory

There is a new preference under the General section of the default surgical preferences that will make the Discharge Directed By fields on the Transfer/Discharge form mandatory.

2.1.7 Patient Assignment Number OR Board Tracker

There is a new field on the OR Board Tracker that can be used to give patients an assigned number. This number can be modified directly from the tracker via a right click option.

2.1.8 AC Patient Tracker that shows all cases

New task list Sx Patient Tracking (No Fall Off) which shows the entire day of patients as they would on our Sx Patient Tracking task list with no fall off criteria.

2.1.9 Patient Portal Preference to Import N/A and Empty questions

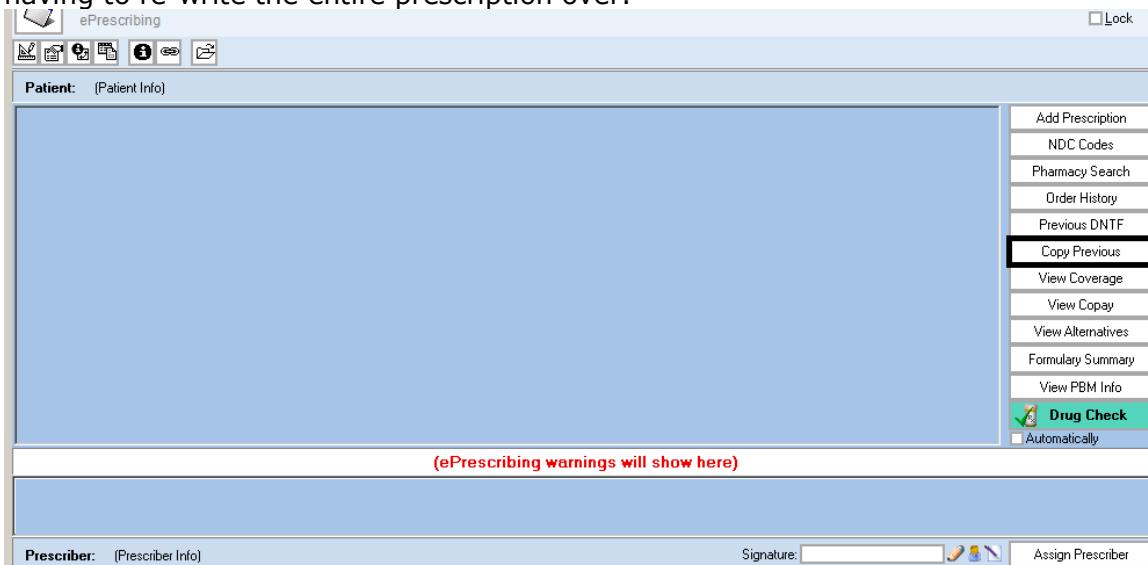
There is a new preference that will work for the Patient Portal interface to either Simple Admit or One Medical Passport that will include questions to AmkaiCharts as discrete data when answers as N/A or left blank.

2.1.10 Medication Administration Record Pharmacy Approval Warning

There is now a preference that will warn a user trying to administer a medication in an Inpatient setting using the Medication Administration Record when the medication has not yet been approved by a pharmacist.

2.1.11 ePrescribing Copy Previous Prescriptions

There is now a new button via the ePrescribing module in AmkaiCharts that will allow users to pull prescriptions that have been written on a previous visit instead of having to re-write the entire prescription over.



The screenshot shows the ePrescribing interface. At the top, there is a toolbar with various icons and a 'Lock' checkbox. Below the toolbar, the 'Patient:' field is set to '(Patient Info)'. The main area is a large blue rectangle. To the right of this area is a vertical menu with the following options: Add Prescription, NDC Codes, Pharmacy Search, Order History, Previous DNTF, Copy Previous (highlighted with a black border), View Coverage, View Copay, View Alternatives, Formulary Summary, View PBM Info, Drug Check (with a green checkmark icon), and Automatically. Below the main area, there is a red text warning: '(ePrescribing warnings will show here)'. At the bottom, the 'Prescriber:' field is set to '(Prescriber Info)', and there is a 'Signature:' field with a text input box and an 'Assign Prescriber' button.

2.1.12 Ability to add blank option in Physician Review Quick Notes

When using the Physician Review Quick Notes customizable drop down feature users can now add a blank option to be selected from. The selection is formatted in the template as such [option1, option2, , option3].

2.1.13 Patient Portal: Preference for Illnesses Mapping

There is a new preference in AmkaiCharts that will write all illnesses answered "No" to the regular worklist and all illnesses answered "Yes" to the hard coded illnesses field.

2.1.14 Patient Portal Interface: Preference for Family History Mapping

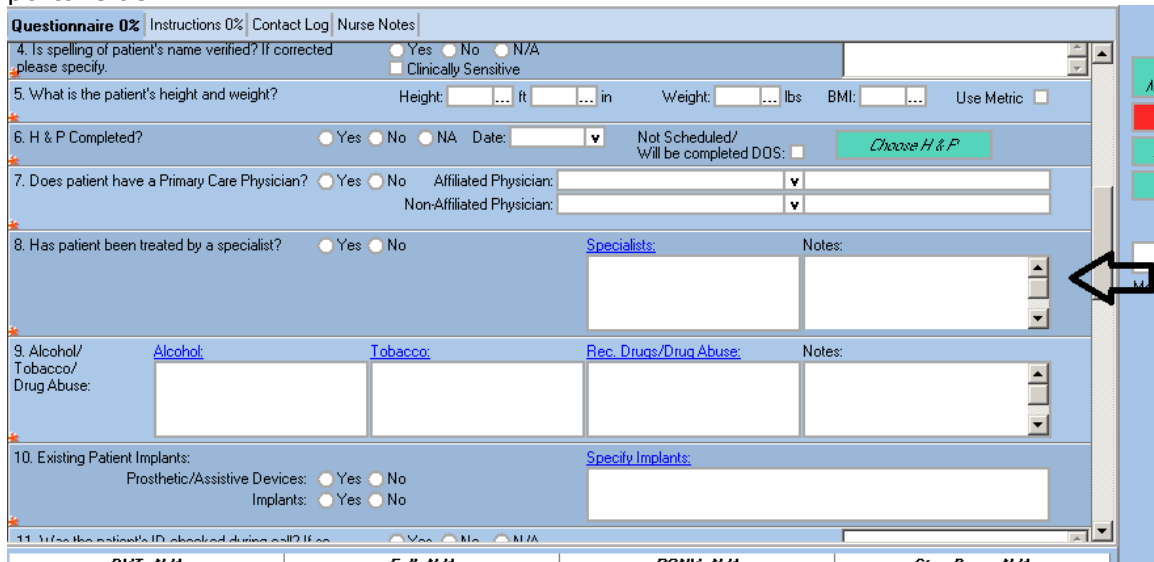
There is now a preference for Patient Portal that will allow users to have family history items answered "yes" and "no" to write to the hard coded questionnaire panel. In the current state only items answered "yes" are reported to this field and "no" is being sent to the questionnaire.

2.1.15 Patient Portal: Preference to Omit Questions Answered "no"

There is now a preference that allows a facility to omit the questions answered as "No" on the One Medical Passport or Simple Admit patient portal from being imported into the questionnaire.

2.1.16 Patient Portal Interface with One Medical Passport – Treated by Specialist Mapping

The Patient Portal interface with One Medical Passport functionality will now import if the patient has been treated by a specialist as discrete data if being used on the portal side.



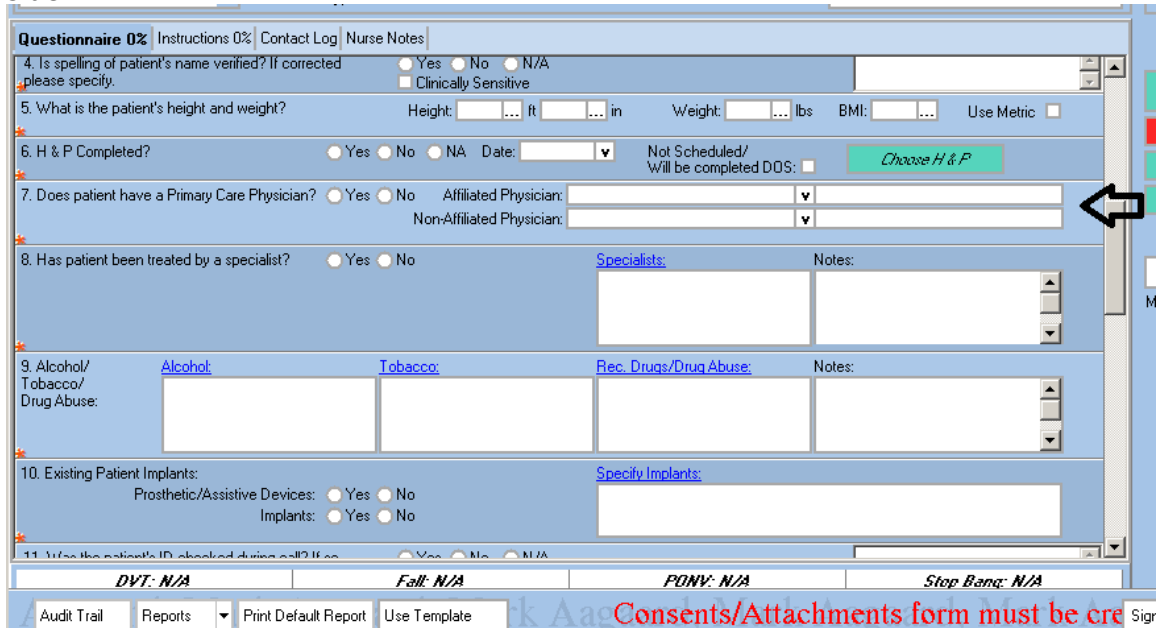
The screenshot shows a questionnaire interface with the following questions and fields:

- 4. Is spelling of patient's name verified? If corrected please specify. Yes No N/A Clinically Sensitive
- 5. What is the patient's height and weight? Height: [] ft [] in Weight: [] lbs BMI: [] Use Metric
- 6. H & P Completed? Yes No NA Date: [] Not Scheduled/ Will be completed DOS: [Choose H & P](#)
- 7. Does patient have a Primary Care Physician? Yes No Affiliated Physician: [] Non-Affiliated Physician: []
- 8. Has patient been treated by a specialist? Yes No [Specialists:](#) [] [Notes:](#) []
- 9. Alcohol/ Tobacco/ Drug Abuse: [Alcohol:](#) [] [Tobacco:](#) [] [Rec. Drugs/Drug Abuse:](#) [] [Notes:](#) []
- 10. Existing Patient Implants: Prosthetic/Assistive Devices: Yes No Implants: Yes No [Specify Implants:](#) []
- 11. If on the patient's ID, checked, did you call? Yes No N/A

A black arrow points to the 'Specialists' field in question 8.

2.1.17 Patient Portal with One Medical Passport – Primary Care Physician Mapping

The Patient Portal interface with One Medical Passport functionality will now import if the patient has a primary care physician as discrete data if being used on the portal side.



The screenshot shows a web-based questionnaire form with the following sections:

- Questionnaire 0%** | Instructions 0% | Contact Log | Nurse Notes
- 4. Is spelling of patient's name verified? If corrected, please specify. Yes No N/A Clinically Sensitive
- 5. What is the patient's height and weight? Height: [] ft [] in Weight: [] lbs BMI: [] Use Metric
- 6. H & P Completed? Yes No NA Date: [] Not Scheduled/Will be completed DOS: [] [Choose H & P](#)
- 7. Does patient have a Primary Care Physician? Yes No NA Affiliated Physician: [] Non-Affiliated Physician: []
- 8. Has patient been treated by a specialist? Yes No Specialists: [] Notes: []
- 9. Alcohol/Tobacco/Drug Abuse: Alcohol: [] Tobacco: [] Rec. Drugs/Drug Abuse: [] Notes: []
- 10. Existing Patient Implants: Prosthetic/Assistive Devices: Yes No Implants: Yes No Specify Implants: []
- 11. Was the patient's ID checked during call? Yes No N/A

At the bottom, there are buttons for 'Audit Trail', 'Reports', 'Print Default Report', and 'Use Template'. A red watermark at the bottom right reads 'Consents/Attachments form must be cre'.

2.1.18 Patient Portal with Simple Admit – Codified Medications Mapping

When using the Patient Portal interface with Simple Admit, medications documented on the portal side will now flow directly to the discrete data field in AmkaiCharts for home medications under the Medication Reconciliation encounter. Any medications charted on the portal side as free text will be included in the notes field below the home medications field.

2.1.19 Add Discharge Option in Femtosecond Procedure Record

There is now a discharge out of the facility option when charting in the Femtosecond procedure record for cases that have a patient discharged directly after the Femtosecond Procedure.

2.1.20 Pain Injection Forms Patient Position include Seated

The pain injection forms used by the Pain Procedure Note record in AmkaiCharts now included the option to chart "seated" for the patient position.

2.1.21 Vitals by DOS Report

There is now a Vitals by DOS Report under the Reports -> Reports by DOS Module that will display all vitals taken within a certain date range. This report includes an optional patient filter.

2.1.22 Third Party Administer Option for EMAR

There is now a right click option on the EMAR "Administer w/ Details" that will allow users to chart a third party administration during the inpatient stay.

2.1.23 Unsigned Encounters All/Mine by Date Task List

There are two new task lists for Unsigned Encounters All and Unsigned Encounters mine which include "By Date". There are two new features included in these task lists.

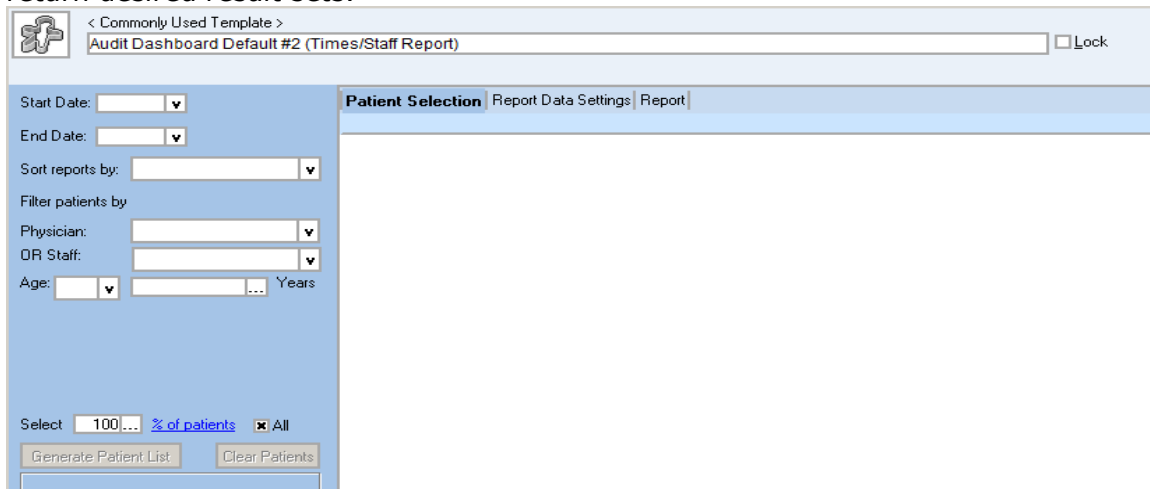
There is a calendar based feature which will allow users to cycle day by day snapshots of all the unsigned encounters they have. This is similar to how the appointment grid on the user desktop is working.

There is also a "Sign All" button included which is to be used as an end of day operation to sign any left over documents from the current or previous day in bulk.

3 Improvements

3.1.1 Audit Dashboard Improvements

You can now use the Audit Dashboard implemented in AmkaiCharts 3.6 with a variety of new improvements. These improvements include a physician filter, staff filter and a patient age filter. Alongside the new filters the toggle for only showing a % of patients has been changed to show a # of patients instead making it easier to return desired result sets.



Users now also have the ability to add the verbal orders that are displayed via the CPOE Worksheet report to be displayed as a part of their audit dashboard reports.

3.1.2 Non-Verbal Order Medications in EMAR

Users can now add medications to the EMAR record that do not require a Physician Signature. This is used for the case when Physicians will administer a medication and not require a signature.

3.1.3 Femto Procedures listed on Operative Report

When using the Femtosecond procedure record any procedures and codes documented will print on the corresponding cases Physician Review Operative Report.

3.1.4 EMAR Audit Trail Improvements

Improvements made to audit trail when administering medications using the Inpatient EMAR record.

3.1.5 Sx Vitals Auditing Improvements

Improvements made to all encounters where a user can document vitals for a patient. The full audit of any additions, changes, or deletions will be stored in the parent records audit trail.

3.1.6 Consents/Attachments Audit Trail Improvements

The Consents/Attachments encounter in AmkaiCharts will now show a human readable format audit entry for any change, access, or modification made to consents signatures.

3.1.7 Patient Portal: Progress Bar during Import

Added a progress bar when using the right-click import feature on the Patient Portal task list to give users a visual cue for when the import is finished.

3.1.8 Physician Copied to Scheduled Information to Include Role

Currently the Physician scheduled for a case in AmkaiOffice will pull into the scheduled information button on the surgical case pack screen. To improve this the role charted under the Default Surgical Preferences for that Physician will also be assigned when the Physician is copied in.

3.1.9 CPOE Report – Spaces Between Medication Dose and Unit

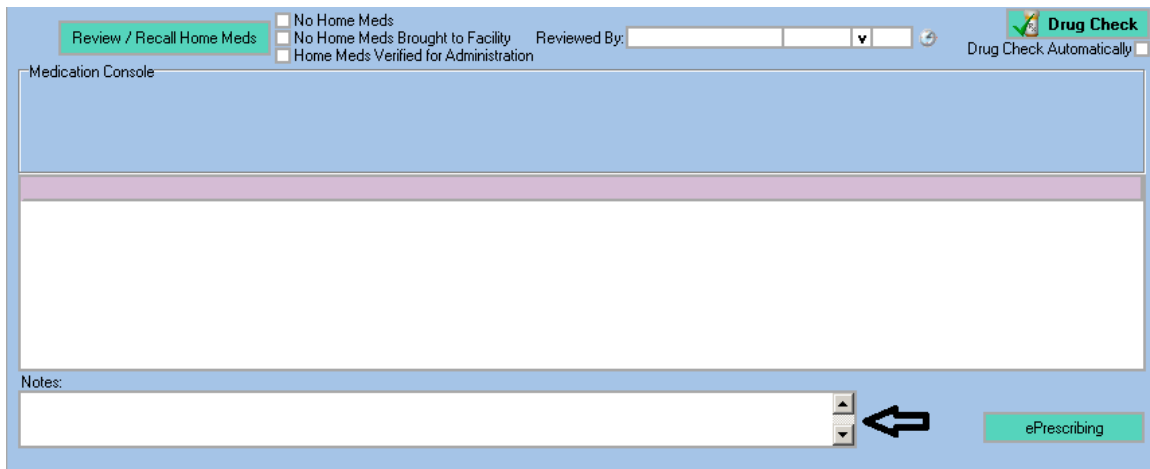
The CPOE Report print out has been modified to automatically make a space between the dose and units for medications printed.

3.1.10 Sx Patient Portal (Data Not Imported) Improvements

The Sx Pre-Admission Incomplete Questionnaires Patient Portal (Data Not Imported) task list will only show encounters that have not had data imported from the portal and have a status of “ready”.

3.1.11 Patient Portal Home Medications Improvements

When there are home medications that cannot be imported correctly into AmkaiCharts these will now import directly into the notes field on the Medication Reconciliation form instead of simply showing a warning to the user.



3.1.12 Physician Tracker Performance Improvements

The Physician Tracker now uses a different method for downloading all of the required dictionary lists for the approve orders screen. Users should see improvements loading the sign consents/attachments/orders screen.

3.1.13 History and Physical Default Report Improvements

The default report on the History and Physical form will now print with a 1 pixel border on all data displayed in tabular format.

3.1.14 Order Validation for Med Templates and EMAR

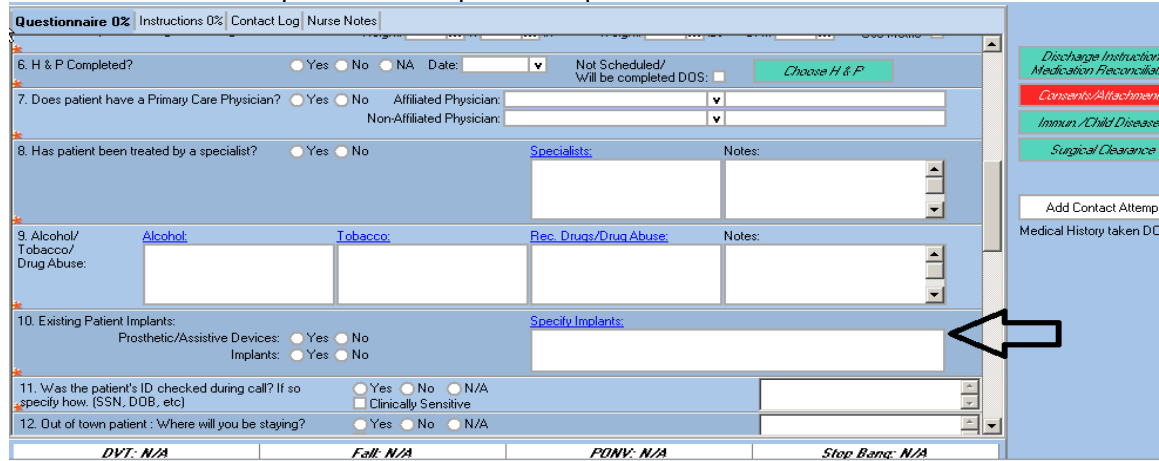
AmkaiCharts will alert a user when creating templates if any of the order details written don't match the order details provided in Multum. This warning is also available on the eMAR.

3.1.15 Patient Portal Task Lists to include Last Contact

There is now a column on the patient portal task lists that will show the last time a patient was contacted about their questionnaire.

3.1.16 Recall Questionnaire to include Previous Implants Documented

When recalling a questionnaire in AmkaiCharts the “recall questionnaire” button will now include any implants charted under the “Specify Implants” field to be recalled into the hard coded panel on the patients questionnaire.



The screenshot shows a questionnaire form with the following sections:

- 6. H & P Completed? (Yes, No, NA) Date: [dropdown] Not Scheduled/Will be completed DDS: [checkbox] Choose H & P
- 7. Does patient have a Primary Care Physician? (Yes, No) Affiliated Physician: [dropdown] Non-Affiliated Physician: [dropdown]
- 8. Has patient been treated by a specialist? (Yes, No) Specialists: [text area] Notes: [text area]
- 9. Alcohol/Tobacco/Drug Abuse: Alcohol, Tobacco, Rec. Drugs/Drug Abuse, Notes
- 10. Existing Patient Implants: Prosthetic/Assistive Devices: (Yes, No) Implants: (Yes, No) Specify Implants: [text area] (highlighted with a white arrow)
- 11. Was the patient's ID checked during call? If so specify how. (SSN, DDB, etc) (Yes, No, N/A) Clinically Sensitive [checkbox]
- 12. Out of town patient: Where will you be staying? [dropdown]

At the bottom of the form, there are four status indicators: DVT: N/A, Fall: N/A, PDNY: N/A, Stop Bars: N/A.

3.1.17 Physician Tracker Sign All Improvements

When using the “check all” feature on the physician tracker the system will now skip over items that have already been addressed to prevent users from accidentally over-writing documents that have already been signed.

3.1.18 Show Baseline Vitals in Recovery Improvements

When using the Show Baseline Vitals in Recovery Preference users will now be able to see values for the Pre-Operative SA02/SP02.

3.1.19 Show Patient Handout Information on Post OP Qx

Previously the “Show Discharge Instructions on Post OP Qx” preference has now been improved to include all information that is sent home with the patient via the patient handout on the Post-Operative Phone Call encounter.

3.1.20 Discharge Instructions Patient Handout Improvements

We have removed the Taken DOS and Continue as Pre-Admission/Post-OP columns from printing on the patient handouts in the discharge instructions encounter because the information contained is not important for the patient to go home with.

3.1.21 Global Lock Time to Override User Lock Time

There is a new system setting that will make the global lock time override any setting made on the user desktop preferences.

3.1.22 Amkai Image Viewer Preference for Fit to Page

There is a new preference available on the user desktop under the "Picture Editor" section that can allow users to default the "Fit to Page" checkbox for the Amkai Image Viewer.

3.1.23 Scanned Document Names Dictionary Preference

There is now a system setting that can be turned on to force users to pick from a list of dictionary items when using the twain acquire features in AmkaiCharts to scan documents directly into the application. The dictionary used is under "Administrative\Scanned Document Names".

3.1.24 IV/IO Estimated Blood Loss Pull to Physician Review

The estimated blood loss charted in the IV/IO Encounter will now pull forward to the Physician Review encounter when the field in Physician Review is blank.

3.1.25 Drug Checking Performance Improvements

Performance improvements were made to the AmkaiCharts Drug Checking feature to report results back to users quickly.