



RevolutionEHR

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RevolutionEHR Release 5.0.0

Release Notes

November 7, 2010

Overview

There are two main points of focus within this release. The first includes changes that are visible and also changes that are not visible to the user that are designed to improve and increase the application performance and efficiency. The second includes changes that are dictated by the requirements necessary for a certified EHR. The changes included in this release are not all changes but are the changes necessary for the first phase of certification.

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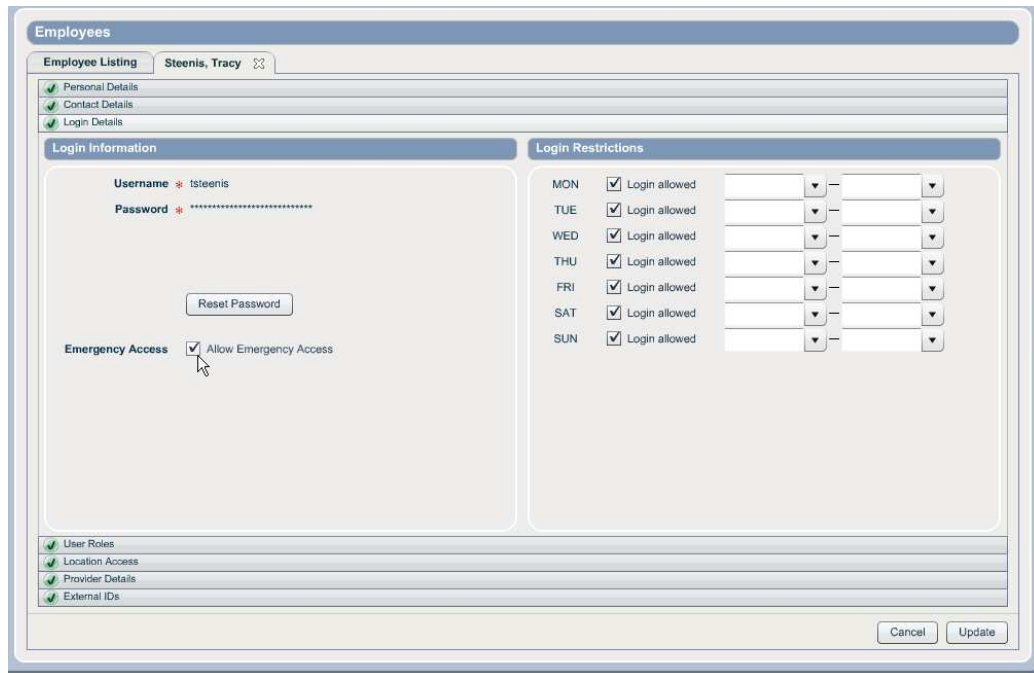
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1. Enhancements

1.1 Meaningful Use

1.1.1 Emergency Access

Based on certification requirements, the application has been enhanced so that emergency access can be given to a specific user(s). This has been achieved by the addition of an "Emergency Access" checkbox in the login details slider of the employee file in Administration:



The screenshot displays the 'Employees' administration page for user 'Steenis, Tracy'. The 'Login Details' section is active, showing the following fields and options:

- Username:** tsteenis
- Password:** [Redacted]
- Reset Password:** [Button]
- Emergency Access:** Allow Emergency Access

The 'Login Restrictions' section shows a table of days with checkboxes for 'Login allowed' and dropdown menus for time ranges:

Day	Login allowed	Time Range
MON	<input checked="" type="checkbox"/>	[Dropdown]
TUE	<input checked="" type="checkbox"/>	[Dropdown]
WED	<input checked="" type="checkbox"/>	[Dropdown]
THU	<input checked="" type="checkbox"/>	[Dropdown]
FRI	<input checked="" type="checkbox"/>	[Dropdown]
SAT	<input checked="" type="checkbox"/>	[Dropdown]
SUN	<input checked="" type="checkbox"/>	[Dropdown]

This emergency access option is active when logging in using the new emergency access URL:

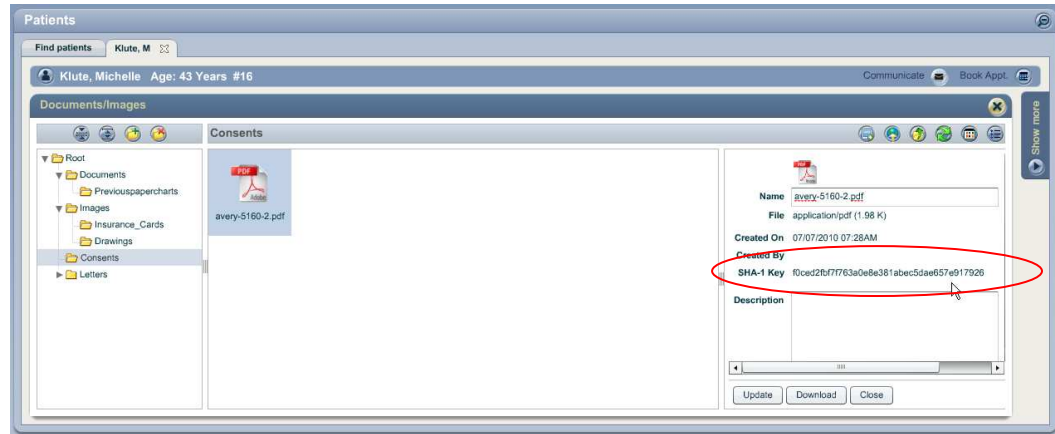
<https://revolutionehr.com/pms/index.html?emergency>

If a user does not have "Emergency Access" set in their employee file, they will not be allowed to log in when using the emergency URL listed above. If the user already has normal access at any time of day based on the log in restrictions set for the user, the use of emergency access is not needed.

If a user is allowed to log in using the emergency access there will be no access restrictions set for that user during the emergency log in session. They will have access to all areas of the application

1.1.2 Security

The display of an SHA-1 Key has been added to documents and images that are uploaded to a patient's file. The SHA-1 key is displayed in the file details on the far right when an uploaded file is selected in the patient's documents and images component:

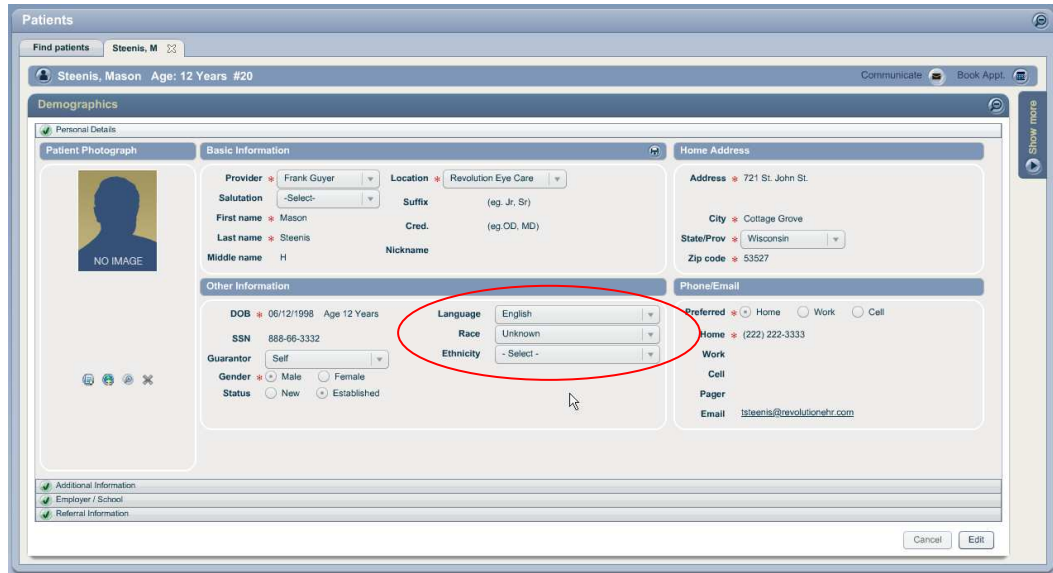


Or the user may right click on a document or image within the patient's file and select "View SHA-1 Key"



1.1.3 Patient Demographics

To improve efficiency in meeting demographic requirements for meaningful use, the "Language", "Race", and "Ethnicity" drop downs have been moved to the main "Personal Details" slider in patient demographics:



Patients
Find patients Steenis, M

Steenis, Mason Age: 12 Years #20

Demographics

Personal Details

Patient Photograph
NO IMAGE

Basic Information

Provider: Frank Goyer Location: Revolution Eye Care

Salutation: -Select- Suffix: (eg. Jr, Sr)

First name: Mason Cred.: (eg. OD, MD)

Last name: Steenis Middle name: H Nickname:

Other Information

DOB: 06/12/1998 Age: 12 Years Language: English

SSN: 888-66-3332 Race: Unknown

Guarantor: Self Ethnicity: - Select -

Gender: Male Female
Status: New Established

Home Address

Address: 721 St. John St.
City: Cottage Grove
State/Prov: Wisconsin
Zip code: 53527

Phone/Email

Preferred: Home Work Cell
Home: (222) 222-3333
Work:
Cell:
Pager:
Email: steenis@revolutionehr.com

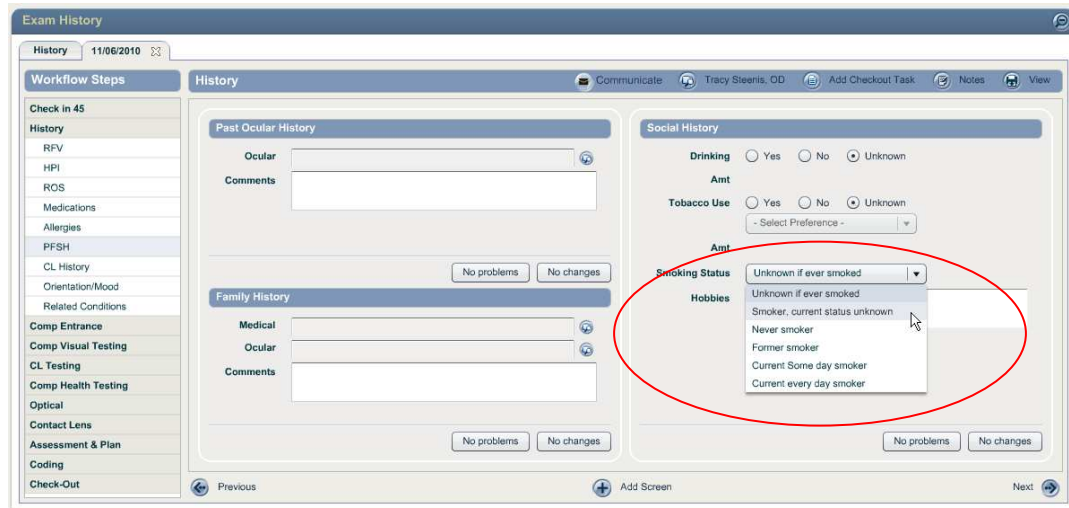
Additional Information
Employer / School
Referral Information

Cancel Edit

IMPORTANT NOTE While the location of the Language and Race dropdowns are in a more accessible location for future increased use relative to meaningful EHR use, the menus for those two will be updated to new standard lists in our next release.

1.1.4 Smoking Status

A new drop down has been added to the PFSH screen within encounters to indicate specific smoking status:



Exam History
History 11/06/2010

Workflow Steps

Check in 45
History
RFV
HPI
ROS
Medications
Allergies
PFSH
CL History
Orientation/Mood
Related Conditions
Comp Entrance
Comp Visual Testing
CL Testing
Comp Health Testing
Optical
Contact Lens
Assessment & Plan
Coding
Check-Out

History

Past Ocular History

Ocular: [Text Field]
Comments: [Text Area]
No problems No changes

Family History

Medical: [Text Field]
Ocular: [Text Field]
Comments: [Text Area]
No problems No changes

Social History

Drinking: Yes No Unknown
Amt: [Text Field]

Tobacco Use: Yes No Unknown
Amt: [Text Field]

Smoking Status: Unknown if ever smoked
Unknown if ever smoked
Smoker, current status unknown
Never smoker
Former smoker
Current Some day smoker
Current every day smoker

Hobbies: [Text Area]
No problems No changes

Previous Add Screen Next

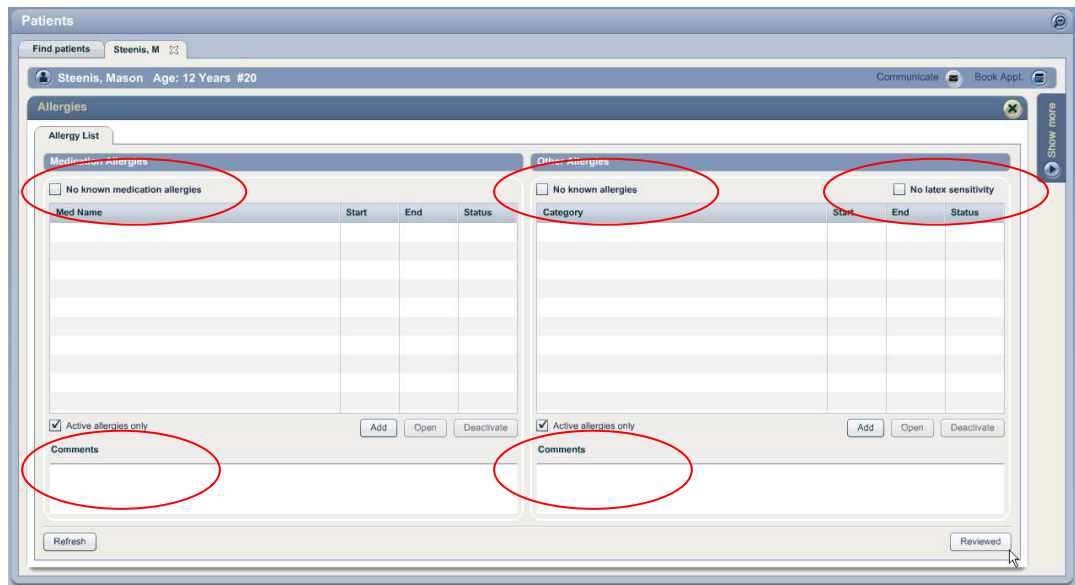
1.1.5 Allergies

The Allergies component has been enhanced. The items added to the Medication Allergies section are:

- “No known medication allergies” check box in the upper left
- Comments field under the grid

The items added to the Other Allergies section are:

- “No known allergies” check box in the upper left
- “No latex sensitivity” check box in the upper right
- Comments field under the grid



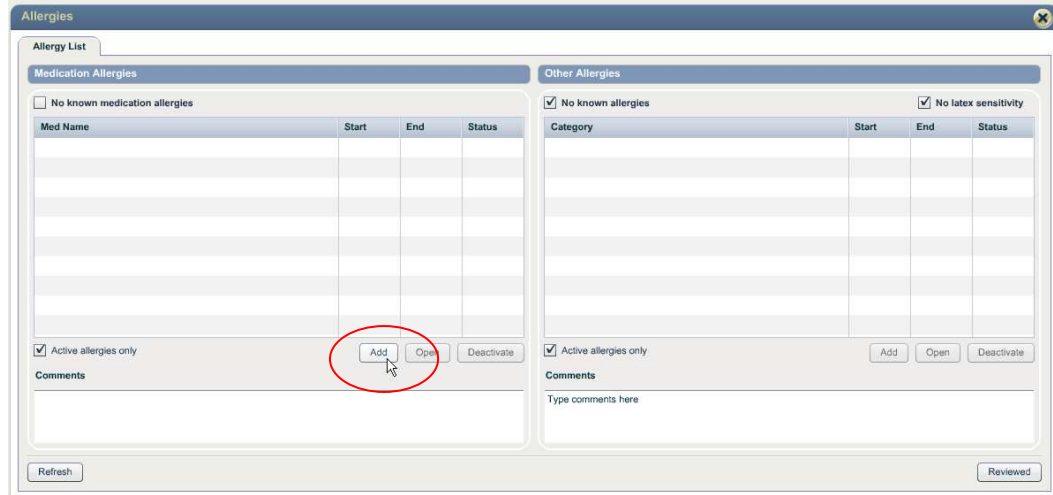
IMPORTANT NOTE When checking or unchecking the new boxes and also when typing in new comments the “Reviewed” button must be clicked to save the changes. If “Reviewed” is not clicked before leaving this screen the changes will not be saved to the new check boxes and comments fields.

The new “Reviewed” button is not found in the allergies screen within an encounter. If editing allergy information within an encounter, simply click “next” to save changes.

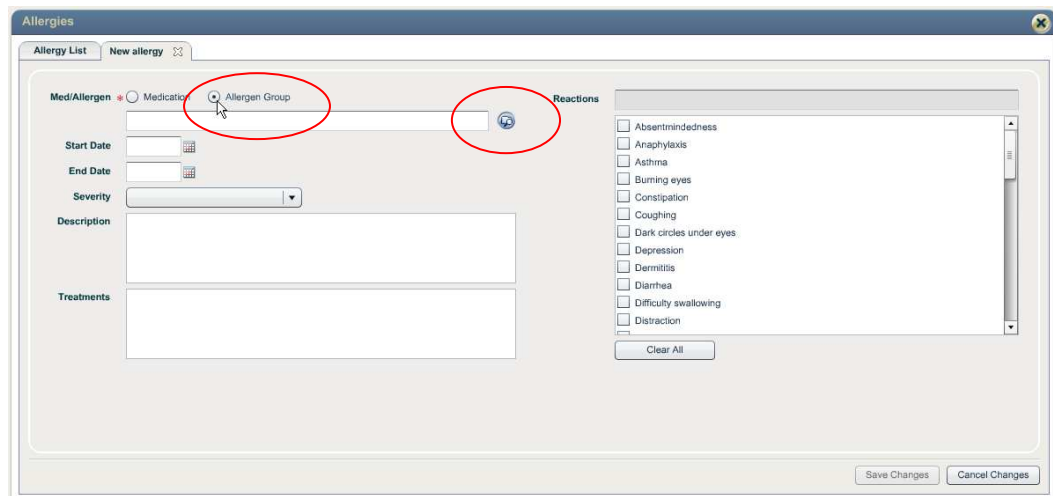
IMPORTANT NOTE Medication allergies cannot be added if the “No known medication allergies” check box is checked. You must uncheck the box to use the “Add” button for medication allergies. You will also not be able to check the box if medication allergies are already listed in the grid. These rules are also active to the Other Allergies section.

The Medication Allergies section has also been enhanced to allow for the entry of an "Allergen Group"

Click the "Add" button under the Medication Allergies grid



Select the "Allergen Group" radio button, and click the look up button



Select the appropriate allergen group and click "Select"



1.2 Patients

1.2.1 Patient Status

When a patient status is changed to “deceased” all active appointments will be cancelled, and all recall dates will be deleted.

1.2.2 New Patients

When adding a new patient the gender selection defaulted to “male”. This has been changed to default to no gender so that the user must select a gender when adding a new patient.

1.3 Vendors & Partners

1.3.1 Insurance

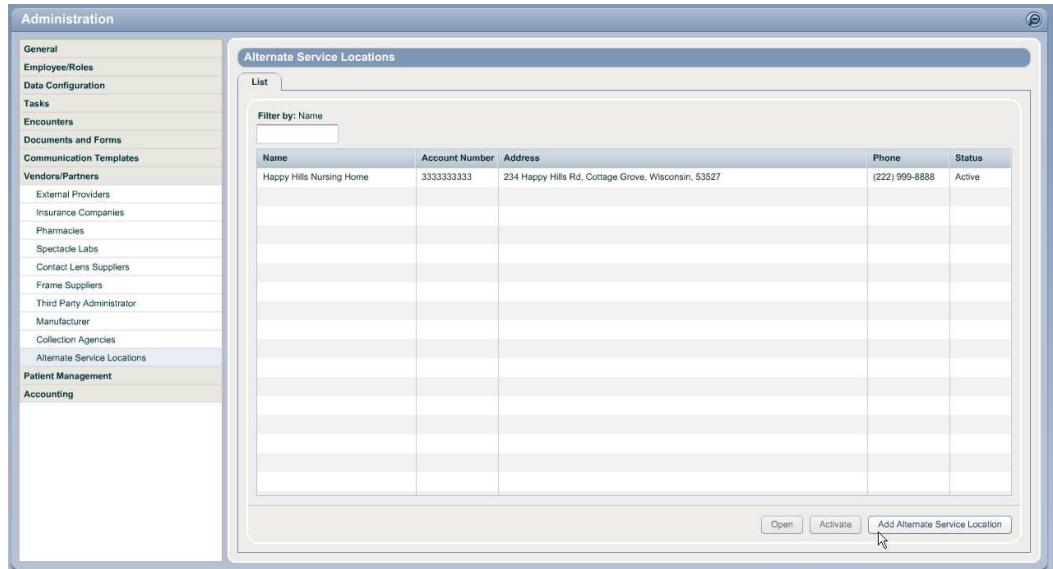
When a new insurance company is added the “Participating Practice” checkbox will be checked by default.

1.3.2 Alternate Service Locations

A new category called “Alternate Service Locations” has been added to the Vendors and Partners section of the Administration Module.

The purpose of an alternate service location is to allow the user to enter service location options that can be applied to a claim. For example, if a provider has an office, but also goes into area nursing homes to provide care; the claims that are submitted for services performed in the nursing home should display that nursing home in box 32 of the HCFA 1500. The new "Alternate Service Location" feature allows the user to configure the information needed for box 32 of the HCFA for claims on services provided outside the normal service facility/office.

To add a new service facility, go to Administration/Vendors, Partners/Alternate Service Locations and click "Add Alternate Service Location":



Name	Account Number	Address	Phone	Status
Happy Hills Nursing Home	333333333	234 Happy Hills Rd, Cottage Grove, Wisconsin, 53527	(222) 999-8888	Active

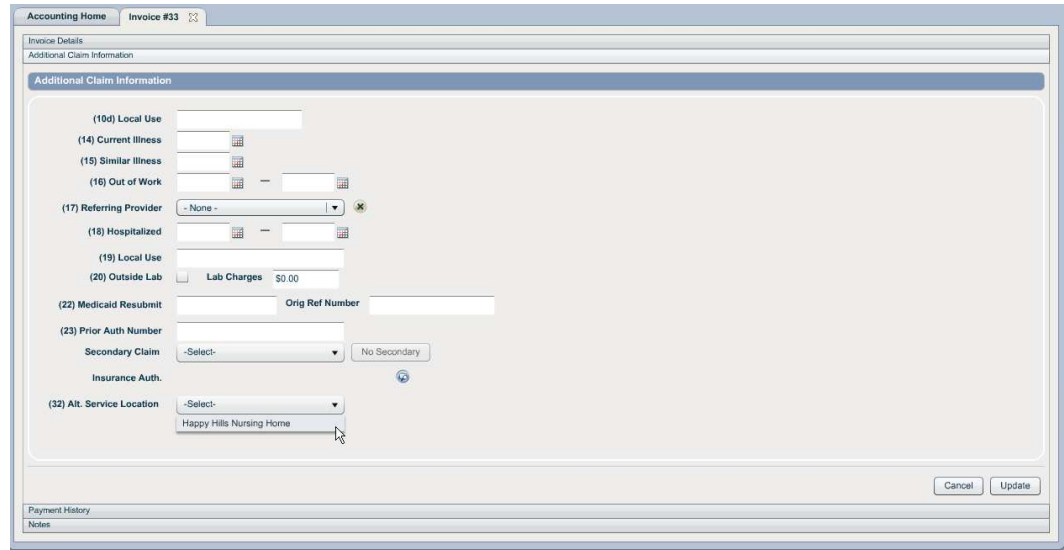
Once all necessary service locations have been configured in Administration, a specific service location can be set to be included in box 32 of the HCFA on a claim from within the appropriate invoice.

With the insurance invoice open click on the "Additional Claim Information" slider in the bottom left.

Click "Edit"

Select the appropriate Service Location from the drop down

Click "Update"



The screenshot shows the 'Accounting Home Invoice #33' window. The main section is titled 'Additional Claim Information' and contains the following fields:

- (10d) Local Use: [Text Field]
- (14) Current Illness: [Text Field]
- (15) Similar Illness: [Text Field]
- (16) Out of Work: [Text Field]
- (17) Referring Provider: [-None-] (with a search icon)
- (18) Hospitalized: [Text Field]
- (19) Local Use: [Text Field]
- (20) Outside Lab: [Text Field] with a checkbox for 'Lab Charges' set to '\$0.00'
- (22) Medicaid Resubmit: [Text Field] with 'Orig Ref Number' [Text Field]
- (23) Prior Auth Number: [Text Field]
- Secondary Claim: [-Select-] with a 'No Secondary' button
- Insurance Auth.: [Text Field]
- (32) Alt. Service Location: [-Select-] with 'Happy Hills Nursing Home' selected

At the bottom right of the form are 'Cancel' and 'Update' buttons. Below the form are sections for 'Payment History' and 'Notes'.

1.3.3 Pharmacies

The pharmacy address fields have been enhanced so that a Canadian address can be entered. The state drop down will now allow the user to select the providence if it has been set up in Administration/Data Configuration/Patient Information/States & Providences. The zip code field has been enhanced to all for the entry of a Canadian zip code.

1.4 Appointments

1.4.1 Appointment Status

When an appointment is associated to an encounter and the encounter is cancelled, the appointment status will now also be changed to "Cancelled" automatically.

1.5 Accounting

1.5.1 Accounting Home

In an effort to improve performance within the application, the Accounting Home tab will no longer simply load all active invoices every time the Accounting Module is accessed. This action requires significant action to occur as it relates to pulling all information related to those active invoices from the database. To increase efficiency, the user will now simply search for the invoices needed at that time using any combination of search criteria that is available as soon as the Accounting Module is selected.

User feedback has also indicated that the small reporting area that was available on the right side of the Accounting Home tab was rarely if ever

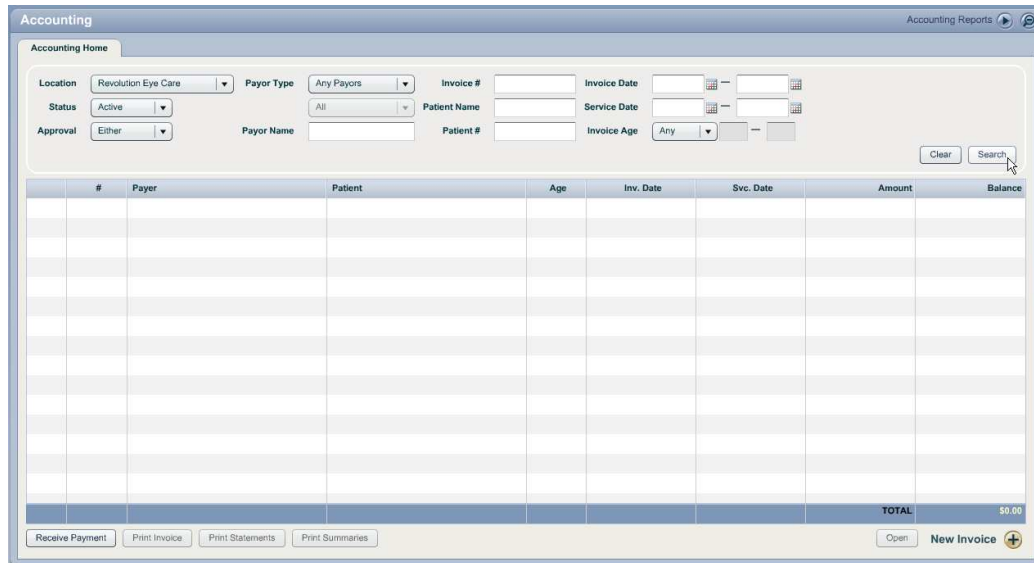
used. To give more space to the information displayed regarding the invoices shown in any search result the small reporting area to the right has been removed.

The normal Accounting Reports are still accessible by clicking on the "Accounting Reports" toggle button found in the upper right corner of the Accounting Home tab.

The "Invoice Payment" button that was added in the last release has been temporarily removed and will be added back in a future release.

The "Total" of all invoices being displayed has been moved from the upper right corner to the lower right corner.

The final notable change made to the Accounting Home tab is that the location used for retrieving invoices when using the "Receive Payment" button does not require the user to do any type of "search", just simply select the desired location from the "Location" drop down in the upper left:



The screenshot shows the "Accounting Home" window. At the top, there are search filters for Location (Revolution Eye Care), Payor Type (Any Payors), Invoice #, Invoice Date, Status (Active), All, Patient Name, Service Date, Approval (Either), Payor Name, Patient #, and Invoice Age (Any). There are "Clear" and "Search" buttons. Below the filters is a table with columns: #, Payer, Patient, Age, Inv. Date, Svc. Date, Amount, and Balance. The table is currently empty. At the bottom right of the table, it shows "TOTAL 50.00". At the bottom of the window, there are buttons for "Receive Payment", "Print Invoice", "Print Statements", "Print Summaries", "Open", and "New Invoice".

1.6 Orders

1.6.1 Orders Module Home

In additional effort to improve performance within the application, the Orders Home tab will no longer simply load all active orders every time the Orders Module is accessed. This action requires significant action to occur as it relates to pulling all information related to those active orders from the

database. To increase efficiency, the user will now simply search for the orders needed at that time using any combination of search criteria that is available as soon as the Orders Module is selected.

Orders

Order Search

Order Search

Location:
 Vendor Name:
 Order Date:

Order #:
 Vendor Order #:
 Order Type:

Patient Name:
 Status:

#	Order Date	Type	Vencd	Patient	Ship To	Completed	Status	Status Date	Comment

2. Fixes

2.1 Schedule

2.1.1 Appointment Details

When a new appointment is created the "Details" button located in the appointment summary would not take the user to the patient details if the user had logged out/in without a browser refresh. This issue has been resolved.

2.1.2 Slot creation

Some performances issues in the database have occurred that were being triggered when a practice was creating slots for long periods of time. Changes were made to how those queries are run in an effort to eliminate the demand on the database during slot creation.

2.2 Accounting

2.2.1 Search filters

Typing capital letters in the open text filter found at the top of the Accounting Module home page as well as the open text filter in the Receive Payment payer list will not produce results. This has been fixed to allow for the entry of both capital and lower case letters.

2.2.2 Receive Payment

When using the "Receive Payment" button in the Accounting Module, the invoices displayed are not from the appropriate location if an advanced search was done before the "Receive Payment" button is clicked and the advanced search was for a different location than the one that was set in the basic search. The location invoices displayed in the receive payment screen will still be the invoices from the location that was set in the basic search before the advanced search was done.

This has been resolved and the invoices displayed in the receive payment screen will now match the location listed in the location drop down before "receive payment" is clicked.

2.3 EHR

2.3.1 Care Plan Items

Care plans added to an encounter using “quick add” was allowing the user to enter long statements, but was cutting it off at 256 characters when saving in the database. This issue has been resolved.

2.4 General Items

2.4.1 Sorting lists

When a grid contained a column for patient name and that column header was selected so that the grid would be sorted by the patient name, it was only sorting by last name. This has been fixed to sort by last and then first name.

2.5 Administration

2.5.1 Search Claims

Previously printing batches of claims from the Administration/Search Claims screen would drop the insurance company name and address from the upper right corner of several claims in the batch. This has been fixed and the insurance company name and address will now show up for each claim in the batch.

2.5.2 Vendors & Partners

In the Pharmacy section of Vendors & Partners, the word “Pharmacy” was misspelled in the blue header bar above the pharmacy listing. This has been corrected.