



Patch Release

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Enhancement 1: Hospital Portal has been introduced for Secure and Efficient Sharing of Patient-Specific ACOG Documentation Between OBGYN Clinics and Associated Hospitals

Module:	EMR+HOSPITAL PORTAL
Type:	GENERIC
Case ID:	529631
Enhancement I: Hospital Master Creation and Management	
Affected Screen(s):	Hospital Master Navigation EMR → Settings → Configuration → Vendors column → <i>Hospital</i>
Description:	<p>Hospital Portal has been successfully introduced to enable OBGYN clinics to securely and efficiently share patient-specific documentation, such as ACOG forms, with one or more associated hospitals. This enhancement ensures that hospitals are granted controlled, read-only access to critical patient data through a dedicated, unidirectional portal, thereby maintaining strict data governance and compliance with privacy standards.</p> <p>The solution addresses the need for seamless coordination between clinics and hospitals by digitizing and centralizing the process of sharing prenatal documentation. It eliminates manual handoffs, reduces dependency on intermediaries, and ensures that hospitals always access the most up-to-date patient records.</p> <p>The system now enables clinics to securely share ACOG forms and related prenatal documentation with hospitals via a controlled Hospital Portal. The portal ensures that only patients with an active pregnancy cycle and relevant completed encounters are visible to hospitals, thereby maintaining strict data filtering and relevance.</p> <p>The enhancement ensures:</p> <ul style="list-style-type: none"> • Controlled access to patient data • Secure authentication mechanisms • Audit tracking of all hospital activities • Simplified workflow for document retrieval and printing

The implemented solution is divided into two major functional components:

1. Hospital Master and User Management

A centralized framework has been introduced to define hospitals and manage their access credentials. The system supports both shared login credentials for departments and individual credentials for hospital staff. Audit tracking ensures traceability of all user actions.

2. Hospital Portal Interface

A dedicated web-based portal has been implemented for hospitals, consisting of a secure login page and a focused landing page. The portal allows hospitals to search for patients with active pregnancy cycles and access the latest ACOG forms from closed encounters, with options to view and print documents directly.

Hospital Master Creation and Management

- Prognosis now supports creation of hospital records with mandatory fields such as **Hospital Name** and **Address**.

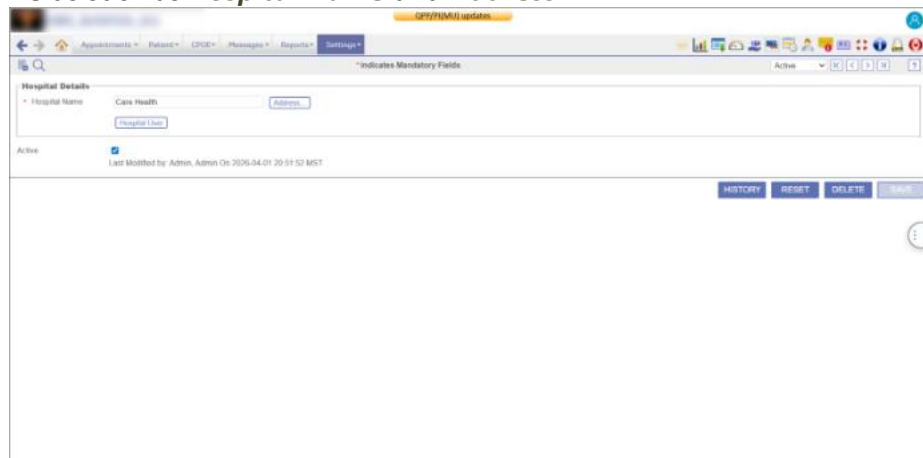
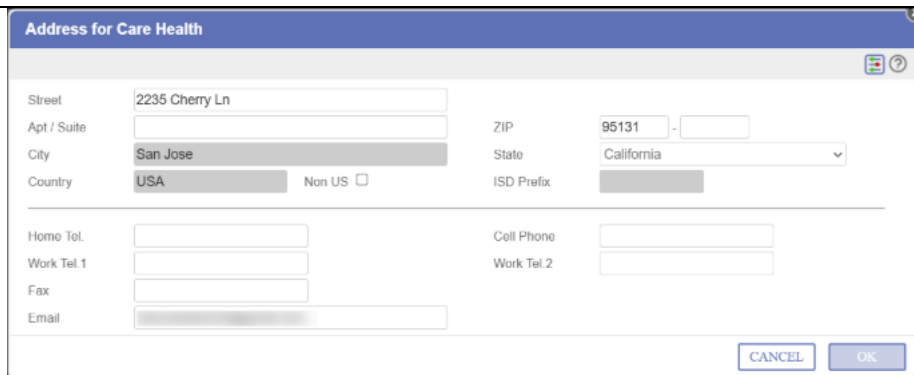


Figure: Hospital Master screen

- The **Address** popup invoked using the **Address...** button includes email capture, which serves as the primary identifier for login credential generation.



The screenshot shows a form titled "Address for Care Health" with the following fields:

- Street: 2235 Cherry Ln
- Apt / Suite: [Empty]
- City: San Jose
- Country: USA (with a "Non US" checkbox)
- ZIP: 95131
- State: California
- ISD Prefix: [Empty]
- Home Tel.: [Empty]
- Work Tel. 1: [Empty]
- Fax: [Empty]
- Email: [Empty]
- Cell Phone: [Empty]
- Work Tel. 2: [Empty]

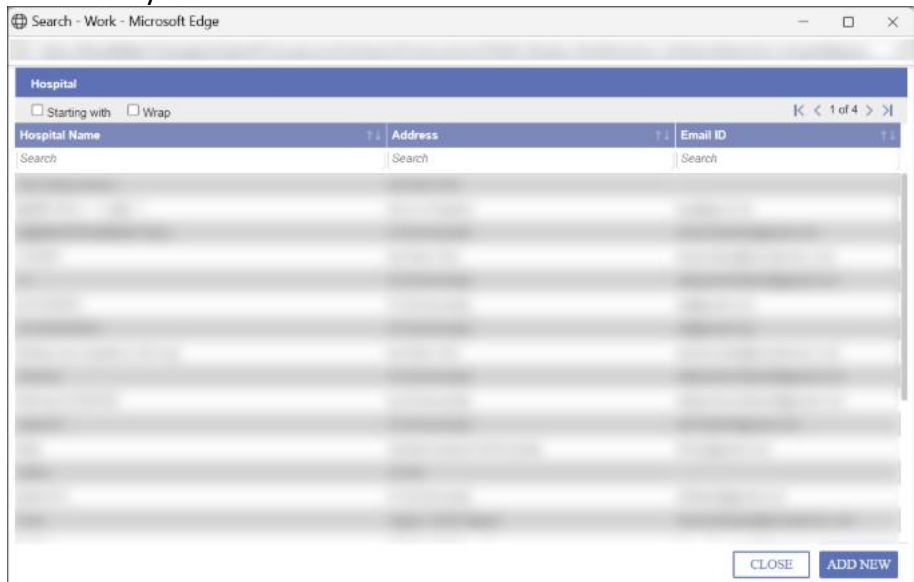
Buttons: CANCEL, OK

Figure: Address popup

- A structured layout similar to **Employer** Master has been implemented, ensuring familiarity and ease of use.

Search and Navigation Enhancements

- A robust search popup has been implemented with fields such as **Hospital Name, Address, and Email**.
- Advanced search features include:
 - “Starting With” filter for prefix-based search
 - “Wrap” functionality for better readability of long text
 - Pagination controls (First, Previous, Next, Last) with tooltips
 - Column-based sorting with dynamic icon indicators (ascending/descending)
- By default, hospital records are displayed alphabetically, ensuring consistency.



The screenshot shows a search popup window titled "Hospital Search - Work - Microsoft Edge". It contains a table with the following columns: Hospital Name, Address, and Email ID. Each column has a search input field. The table is currently empty. At the bottom, there are "CLOSE" and "ADD NEW" buttons.

Figure: Hospital Search popup
Status and Lifecycle Management

- Hospitals are assigned an Active status by default upon creation.
- The system supports toggling between Active, Inactive, and All records through a dropdown filter.
- Inactive hospitals are restricted from accessing the portal while retaining historical data for audit purposes.

Audit and History Tracking

- A comprehensive audit mechanism has been implemented to track:
 - Patient record searches
 - Viewing of ACOG forms
 - Printing actions
- The **Hospital History** popup invoked using the **HISTORY** button captures all modifications made to hospital records, including timestamps and user details.

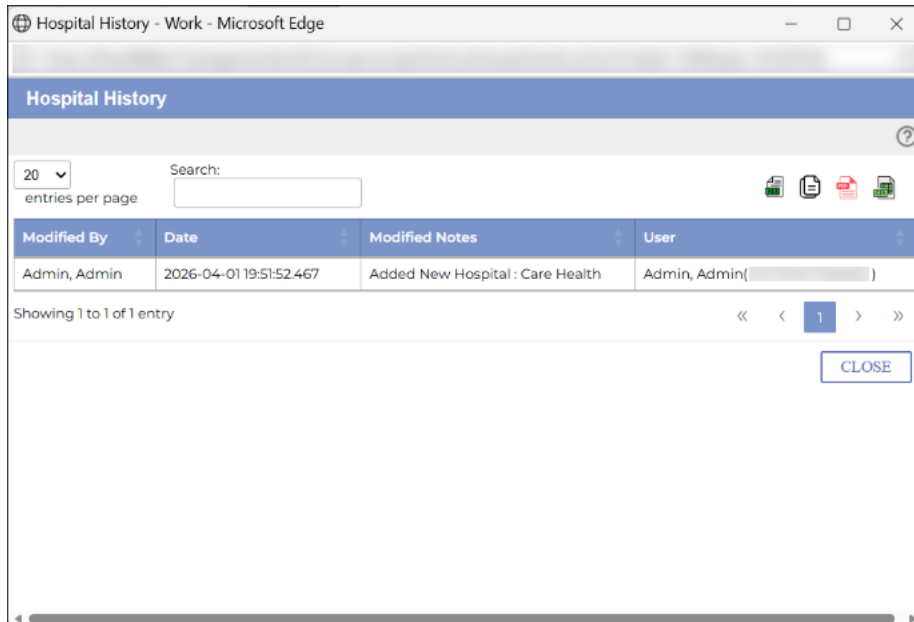



Figure: *Hospital History popup*

Hospital Users Management

- The Hospital Users feature allows multiple users to be associated with a single hospital.

Hospital Users for Care Health					
First Name	Last Name	Email ID	History	Inactive	
Aaron	King	Aaron.King5445@gmail.cc	History	<input type="checkbox"/>	
James	Joseph	James.Joseph897@gmail.	History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	
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			History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	
			History	<input type="checkbox"/>	



Figure: *Hospital Users popup*

- o A dedicated popup invoked via the **Hospital User**  button enables creation and management of hospital users.
- o Email ID is enforced as a unique identifier and is used as the login credential.
- o Mandatory fields include First Name, Last Name, and Email ID, with strict validation rules.
- o The system prevents duplication of email IDs across users, ensuring uniqueness.

Validation and Error Handling

- Mandatory field validations ensure complete data entry.
- Email format validation ensures correctness of login credentials.
- Restrictions are enforced on modifying email IDs once assigned, as they serve as User IDs.
- Some validations include:
 - o **Please enter a valid e-mail address. For example: abc@company.com**, when an invalid Email ID is entered in the field.
 - o **This Email ID is already added for another user. Can not add duplicate email ID.**, when the same Email ID has been used for another Hospital user.

User Lifecycle and Security

- Users can be deleted using the  icon or marked as Inactive by checking the box. Clicking on the  icon prompts a confirmation message which says, Are you sure, you want to delete this user? With **OK** and **Cancel** buttons. User can select **OK** to proceed or **Cancel** to stop the deletion of the record.
- Inactive users are automatically restricted from accessing the Hospital Portal.
- A detailed history log captures all changes, including email updates and status changes on the **Hospital User History** popup.

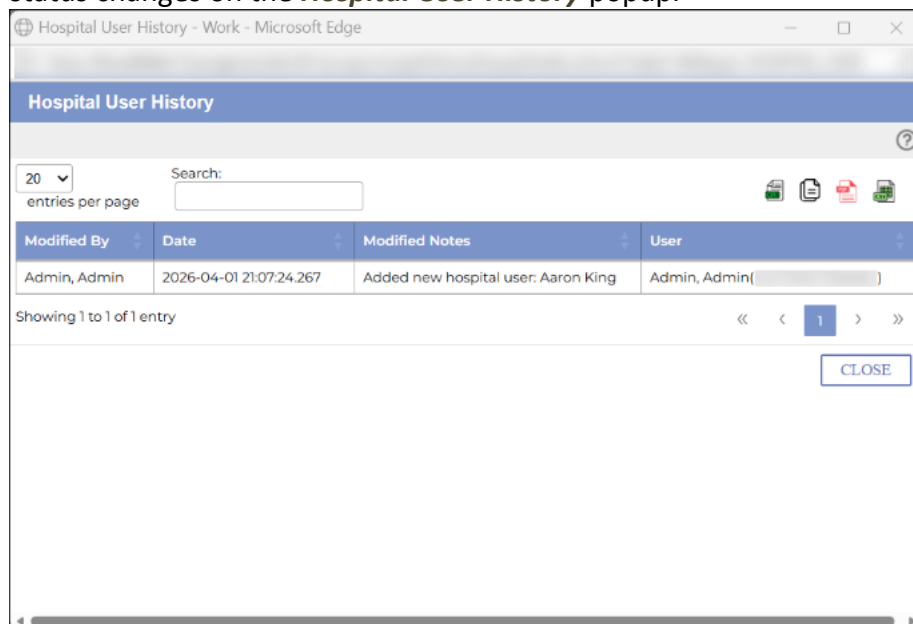


Figure: Hospital User History popup

A checkmark appears on the **Hospital User**  button when details are added to the **Hospital Users** popup.

Enhancement II: Hospital Portal Settings has been introduced for configuration

<p>Affected Screen(s):</p>	<p>Portal Settings Master Navigation EMR → Settings → Configuration → Workflow column → Portal Settings → Hospital Portal</p>
<p>Description:</p>	<p>A system-level flag has been implemented to control Hospital Portal activation. The portal can be configured in advance even when disabled, ensuring readiness upon activation. All configurable elements are mapped to system-</p>

level properties, ensuring centralized control while maintaining abstraction from backend property tables.

The **Hospital Portal Settings** Master module has been introduced under Settings → Configuration → Workflow column → Portal Settings → **Hospital Portal**. All configurable elements are mapped to system-level properties, ensuring centralized control while maintaining abstraction from backend property tables.

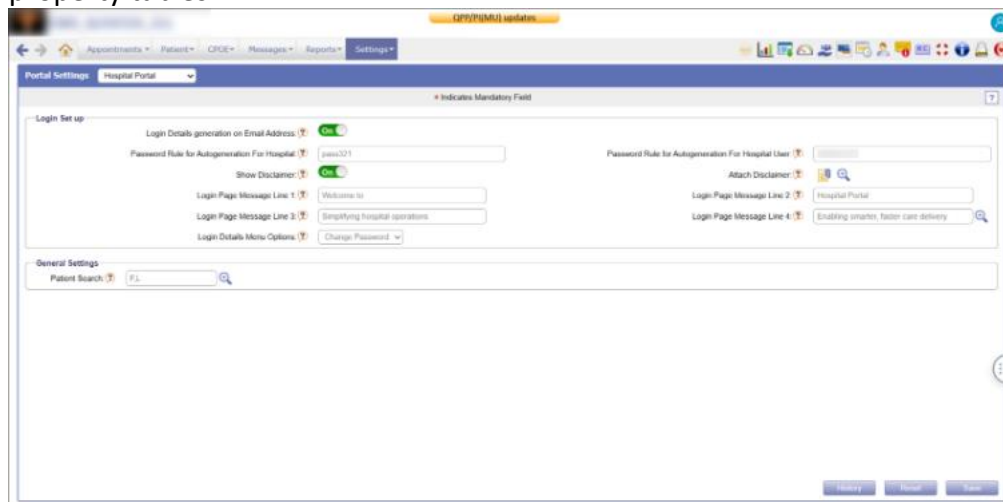



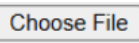



Figure: Hospital Portal Master screen


The **Hospital Portal Settings** Master screen is divided into two sections: **Login Set up** and **General Settings**.

Login Set up:

This section controls how hospital users log in and how credentials are managed.

- **Login Details generation on Email Address:** If this property is **On**, Hospital Portal logins use email addresses as User IDs for both Hospitals and Hospital Users. When **Off**, logins instead use the Hospital name or Hospital User name as the User ID.
- **Password Rule for Autogeneration For Hospital:** Sets the value to be used as the auto-generated password for Hospital Portal logins when creating credentials from the Login Details screen for a Hospital. For example, if the property is set to “password1”, the same value will be assigned as the password and emailed to the respective Hospital. If the property is left blank, the system defaults to “password1”.
- **Password Rule for Autogeneration For Hospital User:** Sets the value to be used as the auto-generated password for Hospital Portal logins when creating credentials from the **Login Details** screen for Hospital Users. For example, if the property is set to “password1”, the same value will be assigned as the password and emailed to all Hospital Users for whom

	<p>the password is auto-generated. If the property is left blank, the system defaults to “password1”.</p> <ul style="list-style-type: none"> • Show Disclaimer: Enables the display of a disclaimer pop-up on the first login to the Hospital Portal when the property is turned On; when turned Off, the popup is not shown. The content of the disclaimer is sourced from an HTML file uploaded via the <i>Hospital Portal Settings</i> Master screen. If no HTML file is uploaded, the disclaimer pop-up will appear blank. The default value is Off. • Attach Disclaimer: Enables the user to Attach Disclaimer File. Clicking the <i>Attach Disclaimer</i>  icon invokes the popup, which allows users to select a file from the local folder using the <i>Choose File</i>  button and make attachments using the <i>attach</i>  button. The <i>View Disclaimer</i>  icon invokes the preview of the attached file. • Login Page Message Line 1: Determines the welcome message displayed on the Hospital Portal login page. By default, this is set to “Welcome to”. The field has a maximum character limit of 16 characters. • Login Page Message Line 2: Determines the text displayed below the “Welcome to” message on the Hospital Portal login page. By default, this is set to “ProgoCIS Hospital Portal.” The field has a maximum character limit of 21 characters. • Login Page Message Line 3: Displays a line of text below the second message on the Hospital Portal login page. This field can be used to add a single-line message about the clinic or practice. The field has a maximum character limit of 31 characters and is blank by default. • Login Page Message Line 4: Displays text below the third line of the message on the Hospital Portal login page. This field is intended to provide a brief introduction to the portal. Users can use HTML
 tags to format the displayed content. The field has a maximum character limit of 196 characters and is blank by default. Clicking the <i>Zoom</i>  icon invokes the <i>Notes</i> popup displaying the notes added to the field. • Login Details Menu Options: Determines the login detail options available on the Hospital Portal based on the selected property value. Selecting “P (Password)” enables the Change Password option, while selecting “N (None)” disables all password modification options. The default value is “P (Password)”. <p>General Settings:</p>
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	<p>This section defines basic operational behavior of the portal.</p> <ul style="list-style-type: none"> • Patient Search: Specifies the format used for Patient Search in the Hospital Portal. The format should be defined using a combination of “F” (First Name) and “L” (Last Name), along with appropriate separators. Clicking the Zoom  icon invokes the Notes popup displaying the notes added to the field.
<p>Enhancement III: Login Details for Hospital and Hospital User</p>	
<p>Affected Screen(s):</p>	<p>Login Details Navigation EMR → Settings → Configuration → Admin column → Login Details</p>
<p>Description:</p>	<ul style="list-style-type: none"> • Automated workflows have been implemented for generating and sending login credentials for via email upon record creation. • Email validation is enforced to ensure successful credential delivery. • System-generated confirmation messages provide feedback to users upon successful credential sharing. • Credential reset functionality has been integrated into the Login Details screen, enabling administrative control.

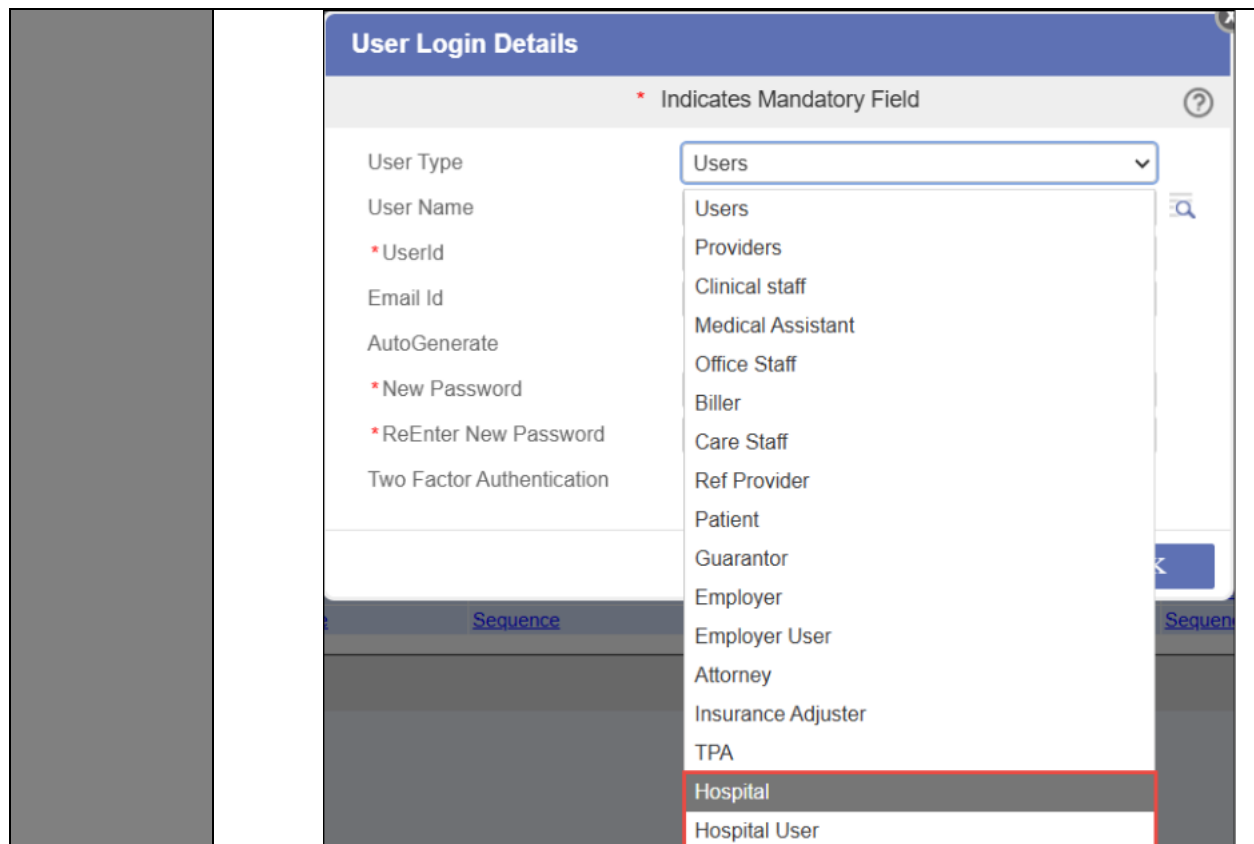


Figure: User Login Details popup with User Types Hospital and Hospital User

Enhancement IV: Hospital Portal has been introduced	
Affected Screen(s):	<ul style="list-style-type: none"> • Login page Navigation Hospital Portal → <i>Login</i> • Clinic Shared Documents Navigation Hospital Portal → Login → <i>Clinic Shared Documents</i>
Description:	<p>Accessing Hospital Portal</p> <ul style="list-style-type: none"> • The Hospital Portal URL is automatically shared via email during credential generation. • Additionally, clinic users can retrieve the portal link from the Info section within Prognosis EMR.



Figure: Hospital Portal link on the Info popup

- A streamlined workflow allows easy copying and sharing of the portal URL.



Figure: Popup with Hospital Portal URL that can be copied

Hospital Portal Login Page Design

Figure: Hospital Portal Login page

UI and Responsiveness

- A modern and responsive UI has been implemented, aligned with TPA Portal design standards.
- Support for multiple screen resolutions ensures optimal display across devices.

Security and Validation

- CAPTCHA validation has been implemented to prevent unauthorized access.

- Comprehensive error handling ensures clear user feedback for:
 - Missing credentials
 - Invalid login attempts
 - Incorrect CAPTCHA entries
 - Inactive user access

Password Management Workflows

Forgot Password

- Secure password reset functionality has been implemented using email verification and CAPTCHA.
- System-generated emails provide temporary credentials with clear instructions.

Change Password

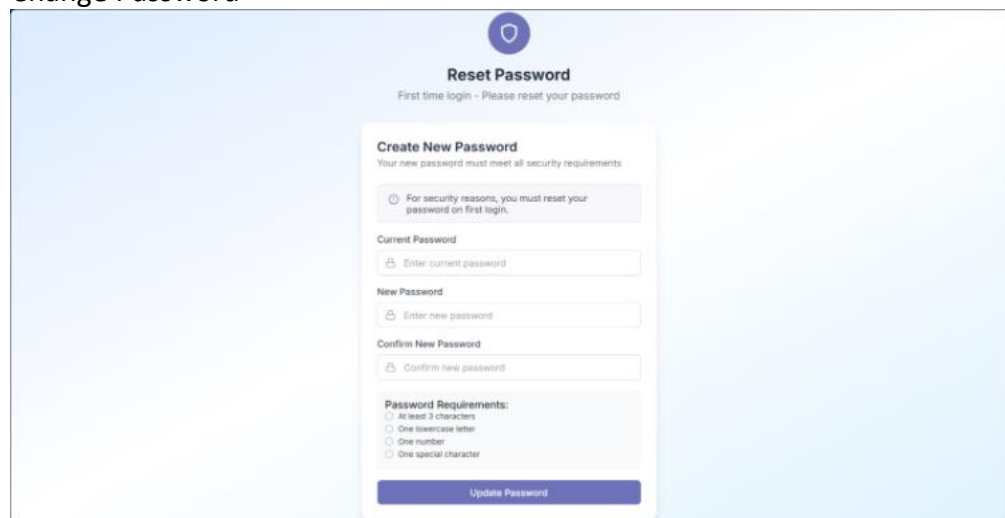


Figure: *Reset Password page on the Hospital Portal*

- Mandatory password change is enforced on first login and after password reset.
- Password validation rules ensure compliance with security standards, including minimum length and alphanumeric requirements.
- Email notifications confirm successful password updates.

Disclaimer Handling

- Disclaimer acceptance is enforced based on configuration.
- Users must explicitly accept terms before accessing the portal.



Figure: Disclaimer popup on the Hospital Portal

Hospital Portal Landing Page Design

Patient Search and Data Filtering

- The landing page provides a focused search interface for retrieving patients by first and last name.
- The system filters results to include only:
 - Patients with active pregnancy cycles
 - Patients with ACOG forms from closed encounters

Search Results Display

- Results are displayed in a structured grid with detailed columns including:
 - Document Date
 - Patient Name
 - Date of Birth
 - Type
 - Category
 - Subject
 - Document Source
 - View

Document Access

- Inline document viewing has been implemented, allowing users to view ACOG forms directly on the page.
- Print functionality is integrated for seamless document handling.
- Close functionality ensures efficient navigation.

User Interface Enhancements

- Header includes clinic branding and user profile details.

- Profile dropdown provides options for password management and logout.

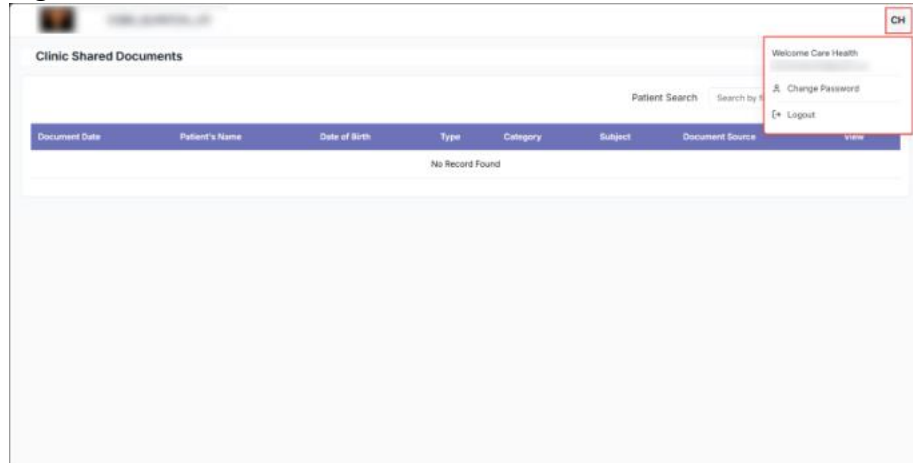


Figure: Header and Profile dropdown on the Hospital Portal Landing page

Enhancement V: Standardized email templates have been implemented

<p>Affected Screen(s):</p>	<p>E-Mail Master Navigation EMR → Settings → Configuration → Output Templates → <i>E-Mail</i></p>
<p>Description:</p>	<ul style="list-style-type: none"> • Standardized email templates have been implemented for: <ul style="list-style-type: none"> ○ Credential creation - <i>Login Email For Hospital / Hospital User</i> ○ Password reset - <i>Forgot Password Email from Hospital Portal</i> ○ Password change notifications - <i>Change Password Email For Hospital</i> • Templates are fully customizable and accessible through the Output Templates module. • Consistent formatting ensures professional communication and improved user experience.

Enhancement 2: Automated synchronization of Preferred Language selection and Proficiency options on My Health Records app

<p>Module:</p>	<p>MY HEALTH RECORDS APP</p>
<p>Type:</p>	<p>GENERIC</p>
<p>Case ID:</p>	<p>517507</p>

Affected Screen(s):	<p>My Health Records App</p> <p>Navigation Login → My Profile → Personal Information → Basic Details → <i>Other Information</i></p>
Description:	<p>A two-panel modal layout was introduced in the application to align with the existing web functionality. This enhancement enables users to select languages and configure their corresponding preferences within a structured interface. The right panel automatically displays preference options when a language is selected, ensuring a more intuitive and efficient user experience.</p> <p>The system synchronizes selections such that when a language is deselected, its associated preferences are automatically cleared. Additionally, real-time state management was implemented to ensure that all changes are reflected instantly while maintaining data integrity through validation checks before saving.</p> <p>Functional Enhancements Implemented:</p> <ul style="list-style-type: none"> • FR-001: Automatic Panel Display – The right panel was configured to activate automatically when a language is selected. • FR-002: Multi-Language Support – The system now supports selecting multiple languages, each with its own preference dropdown options. • FR-003: Automatic Deselection Cascade – Associated preferences are automatically cleared when a language is unchecked. • FR-004: Real-Time State Management – Changes are reflected immediately without requiring a page reload. • FR-005: Data Integrity Validation – Validation was implemented to ensure that no orphaned preference data remains before saving. • FR-006: Visual State Indicators – Clear enabled and disabled states were introduced for dropdown fields. • FR-007: Cancel Operation – Users can discard changes and close the modal using the Cancel option. • FR-008: OK/Save Operation – The Save option is enabled only when at least one language is selected. <p>Modal Layout Details:</p> <p>Left Panel:</p> <ul style="list-style-type: none"> • Displays a searchable list of languages with checkboxes.

- Supports scrolling when the language list exceeds the visible area.

Right Panel:

- Displays preference dropdowns for each selected language.
- Includes dropdowns for **Language Ability** and **Proficiency Level**.
- Multiple languages are arranged vertically.
- Supports scrolling when the content exceeds the visible area.

Visual Design Updates:

- The right panel is highlighted when languages are selected.
- Disabled styling is applied when no languages are selected.



Note: *No changes were made to the Sign-Up workflow to maintain a quick and streamlined onboarding experience.*