



World Health
Organization

NCD COMPREHENSIVE E- REGISTRY APPLICATION MANUAL

Submitted by



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BACKGROUND

The proposed solution aims to provide a comprehensive and integrated approach to disease management and monitoring. It is designed to address the needs of different stakeholders involved, including patients, healthcare providers, and program managers. Here's an elaboration on the key aspects of the solution:

- **End-to-End Management:** The solution covers the entire spectrum of disease management, from initial diagnosis to long-term monitoring. It encompasses various stages such as patient registration, diagnosis, treatment, follow-up, and adherence monitoring. By providing end-to-end management, the solution ensures continuity of care and supports comprehensive disease management.
- **Holistic Approach:** The solution takes a holistic approach, considering all aspects related to disease management. It includes not only clinical aspects like diagnosis and treatment but also factors such as patient education, lifestyle modifications, psychological support, and social determinants of health. By addressing these multiple dimensions, the solution aims to provide comprehensive care and improve patient outcomes.
- **Beneficial to Different Users:** The solution is designed to benefit different types of users involved in disease management. Patients can benefit from enhanced access to information, personalized care plans, medication reminders, and self-management tools. Healthcare providers can leverage the solution for accurate diagnosis, evidence-based treatment guidelines, efficient documentation, and improved communication with patients. Program managers can utilize the solution to monitor disease trends, track outcomes, identify areas for improvement, and make informed decisions regarding resource allocation and policy development.
- **Composite Model:** The proposed solution employs a composite model, which means it supports the management of various diseases. It is not limited to a single condition but can accommodate multiple disease types, such as cardiovascular diseases, diabetes, respiratory conditions, and more. This versatility allows healthcare providers to use a single system for managing different diseases, reducing the need for multiple specialized systems and enhancing operational efficiency.

By offering end-to-end management, a holistic approach, and a composite model, the proposed solution aims to improve disease management and monitoring. It enables coordinated and personalized care, enhances patient engagement, facilitates data-driven decision-making, and streamlines healthcare processes.

PURPOSE OF THE MANUAL

The Training manual serves as a guide and reference for the use of NCD E- Registry Web Application, Mobile Application and Dashboard. This document is drafted to provide step by step instructions and guidance for the patients, health care providers and data entry personnel.

ONBOARDING PAGE

The onboarding page of “NCD Comprehensive E- Registry application” contains the following 3 user roles (as shown in the figure-1 below):

1. **Health care provider**
2. **Health Facility Supervisor/Manager**
3. **Patient/ Beneficiary/ Health System User**

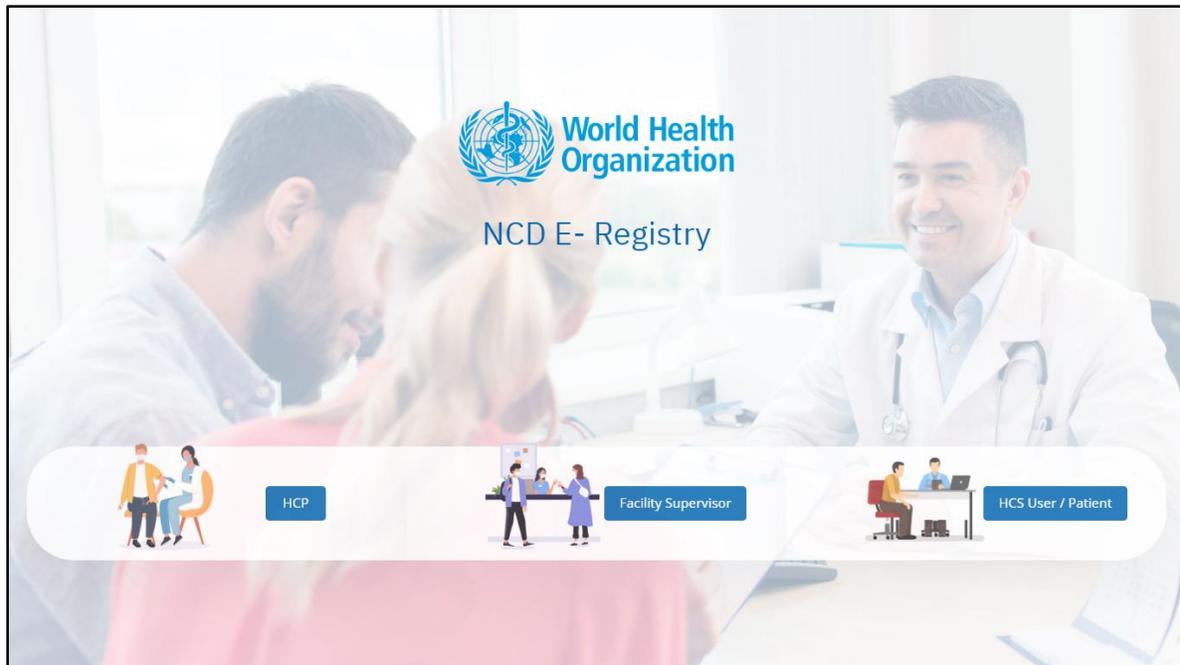


FIGURE 1: ONBOARDING PAGE

To access the web app, the user should open the web app link (from System URLs) on a web browser in Incognito/Private mode.

HEALTH CARE PROVIDER MODULE

Health care provider's /Data entry professionals will register and enroll the new clients into the system. They will also follow up on them at regular intervals to monitor disease control and other outcomes.



FIGURE 2: HEALTH CARE PROVIDER

User Login

1. After the user has selected a particular role (i.e., health care provider), they can login with their respective credentials, (as shown in the figure below Fig-2: Health care provider login) which contains the following:
 - Username
 - Password
2. There should be no spaces before and after the username.
3. The user can unmask the password, to check for any errors in an entry.
4. If the user does not have an account, they should contact the administrator.

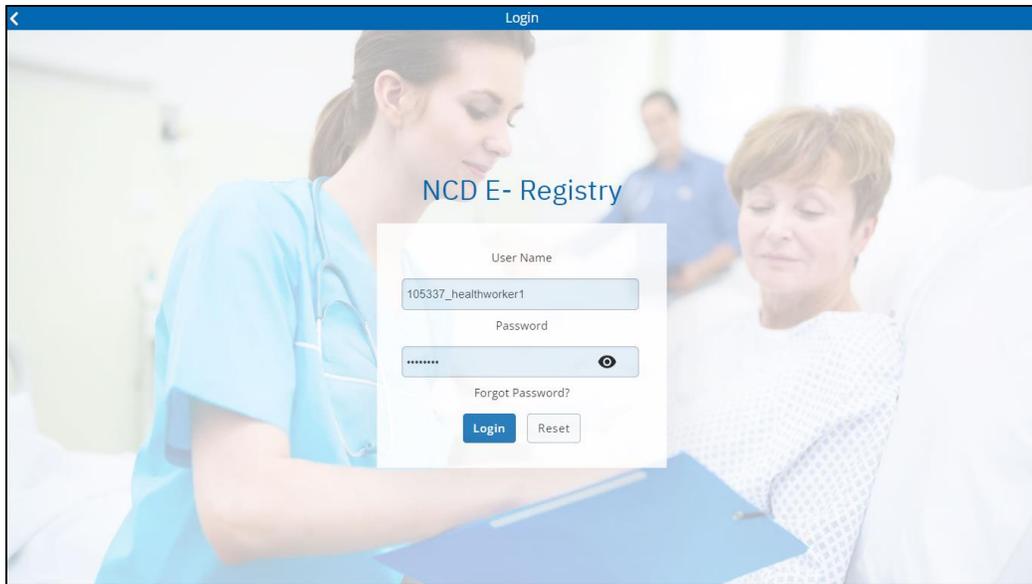


FIGURE 3: HEALTH CARE PROVIDER LOGIN

Language Selection Page

The provider can choose their preferred language from the provided list, and the application will be translated accordingly for ease of use.

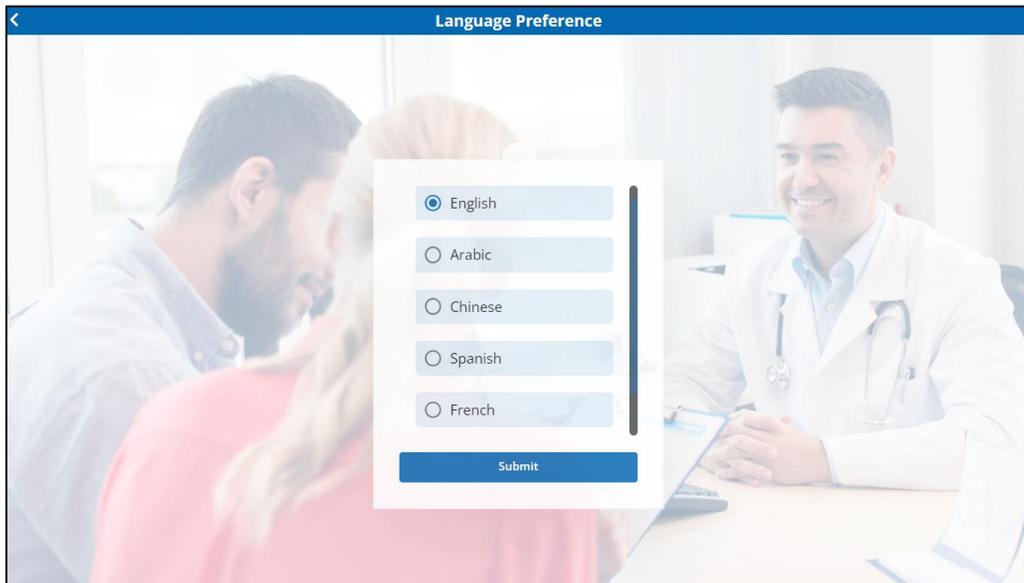


FIGURE 4: LANGUAGE PAGE

Home Page

The HCP home page has following modules (as shown in the below Figure 5: Health care provider homepage):

1. Add new client
2. Search
3. Alerts
4. Patient Record List
5. Patient referred to Tertiary Care centre
6. Follow up
7. Task List
8. Add New Disease
9. Offline Records/clients
10. Other features such as- Theme selection, Translations, Appointment scheduler etc.

The homepage also allows the user to view the following-

- App version number and username on the left hamburger menu
- Language selection, app theme selection and logout option as icons on the top right corner.

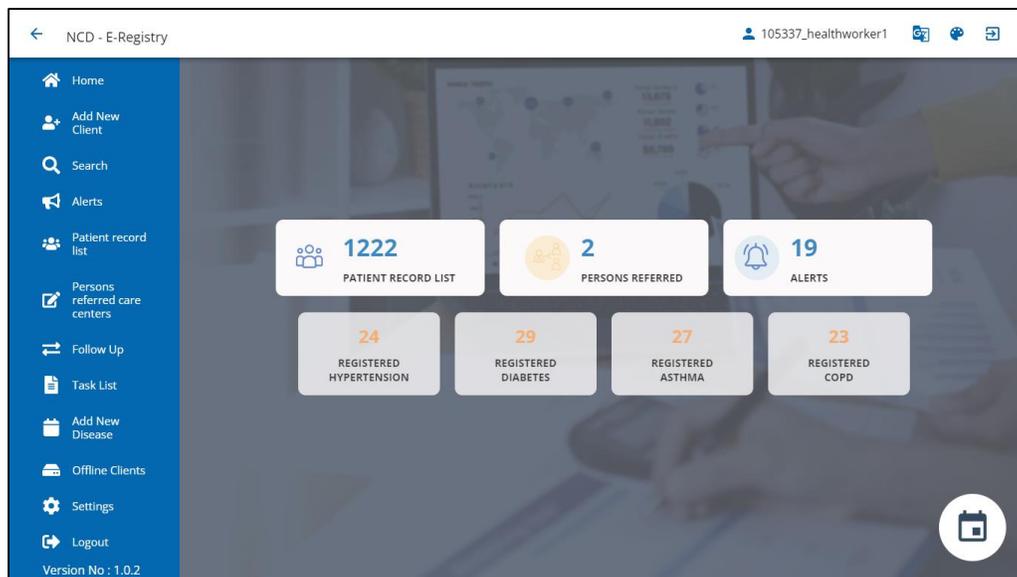


FIGURE 5 : HEALTH CARE PROVIDER HOMEPAGE

Application Modules

Module 1: Add New Client/Patient

'Add new client' module allows the user to register a new patient. It starts with capturing some registration information, including demographic details, followed by specific medical history and screening information.

The screenshot displays the 'Add New Patient' page in the NCD - E-Registry application. The page is titled 'NCD - E-Registry' and shows a user profile for '105337_healthworker1'. The form is organized into several sections:

- Registration Information:** Includes 'Date of registration', 'Unique ID *' (with value 8053754), and 'Given legal name *'.
- Personal Details:** Includes 'Middle name', 'Family name', and 'Sex at birth' (with a dropdown menu).
- Birth Information:** Includes 'Date of birth known' (with a dropdown menu), 'Age - estimated', and 'Mother's maiden name (Given name Middle name Family name)'.
- Address and Contact Information:** Includes 'Father's name (Given name Middle name Family name)', 'Nationality (country of residence)' (with a dropdown menu), 'Permanent address - village and district' (with a dropdown menu), 'Permanent address - details' (with a dropdown menu), 'Current address - same as permanent address' (with a dropdown menu), and 'Contact phone number'.
- Other Fields:** Includes 'Email address'.

A 'Submit' button is located at the bottom left of the form. The page also features a search icon and a home icon at the bottom.

FIGURE 6: ADD NEW PATIENT PAGE

Module 2: Search

1. The Search module can be used to search for a specific client within the application, especially before registering a new client, to avoid client duplication.
2. The search module supports the following modes of looking up a client:
 - a. Profile: Clients can be searched based on their first name, age and gender.
 - b. UIC: Clients can be searched via their Unique Identification Code.
 - c. QR Scan: The user can scan a QR code of the client's UIC.
 - d. Specimen: Clients can be searched based on a Specimen ID.
3. At the time of registration, a QR code can be associated with the client profile. Same QR code can be scanned to search for any registered client.
4. If a client with the same details is available on the system, it is displayed and can be selected by the user to access that client's profile

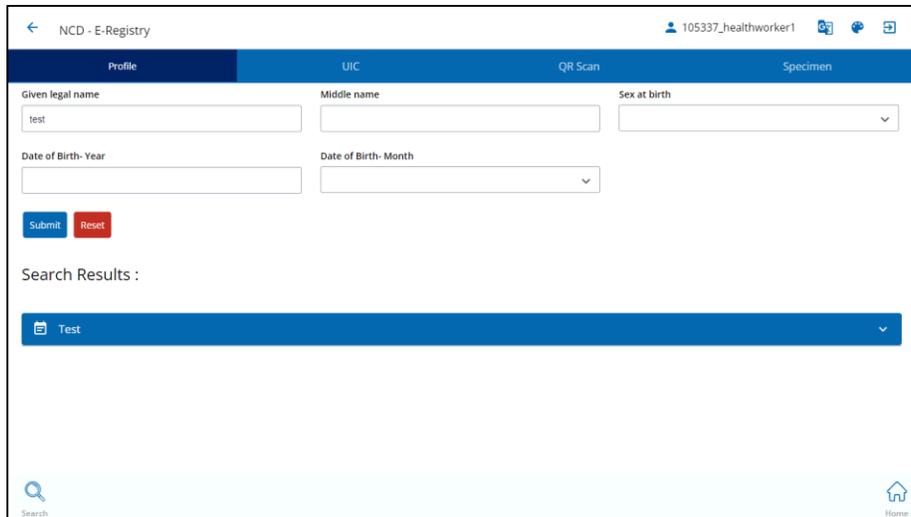
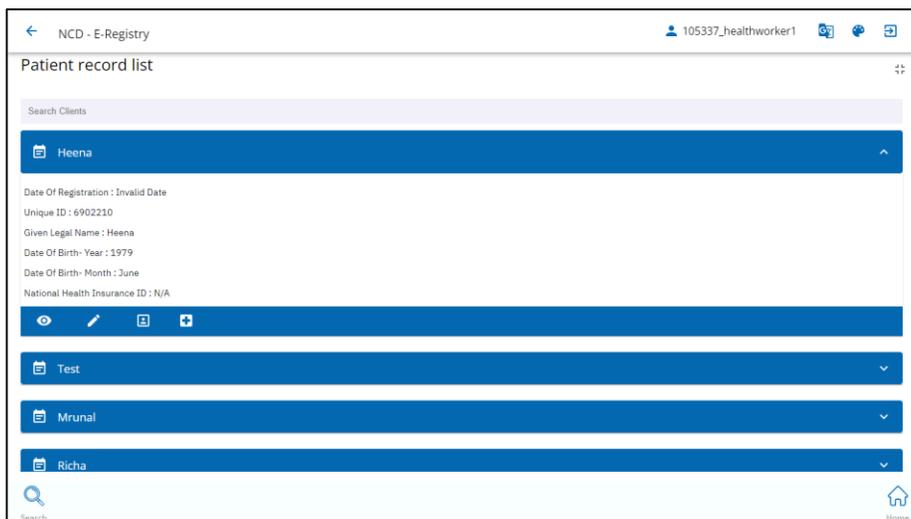


FIGURE 7: SEARCH PAGE

Module 3: Patient Record List

1. In the 'People on care' module, the clients registered on the NCD E- Registry application can be viewed by the user.
2. To view/update the client details, the user can navigate to that particular client, and click on the dropdown.
3. There is a provision of a search bar to look up clients. The search bar requires a minimum input of four characters to filter the results.
4. The following actionable buttons are available for each client in this module-
 - View: Users can view stage-wise details for a particular client.
 - Edit: Users can edit or view the client details.
 - Patient Card: Users can print a card with their UIC and other information
 - CVD Risk Score: An added capability is the CVD Risk Score calculator, which computes the patient's overall risk score and offers a relative understanding of their requirements.



Module 4: Patient referred to tertiary care centre

This functionality allows the Healthcare providers to see the list of patients suspected of having cancer and referred to higher levels of care for advanced treatment.

It also facilitates the recording of additional treatment prognosis details for these patients.

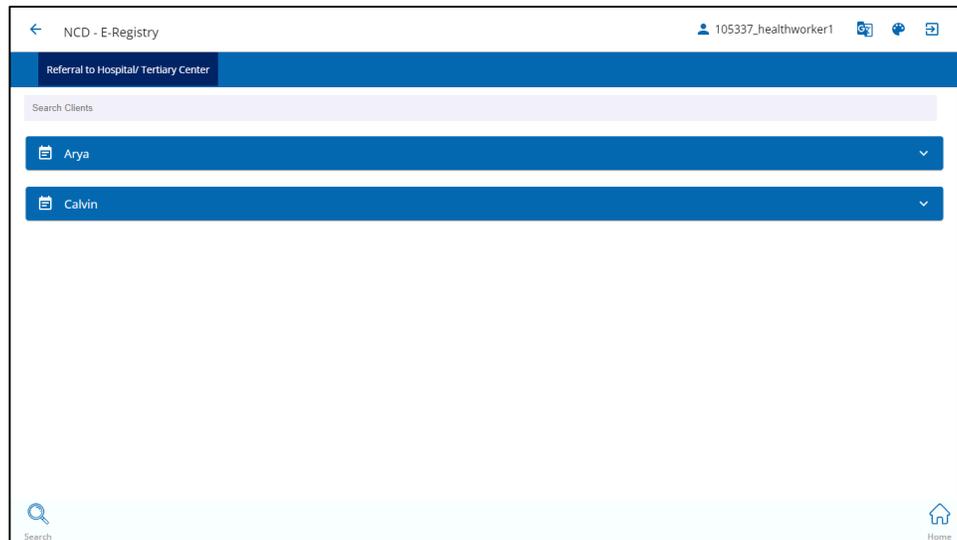


FIGURE 9: PATIENTS REFERRED

Module 5: Follow Up

Organized by follow-up dates, this folder contains records that can be edited/updated during each follow-up call. Healthcare providers can also adjust the frequency of the next follow-up for each patient based on individual needs.

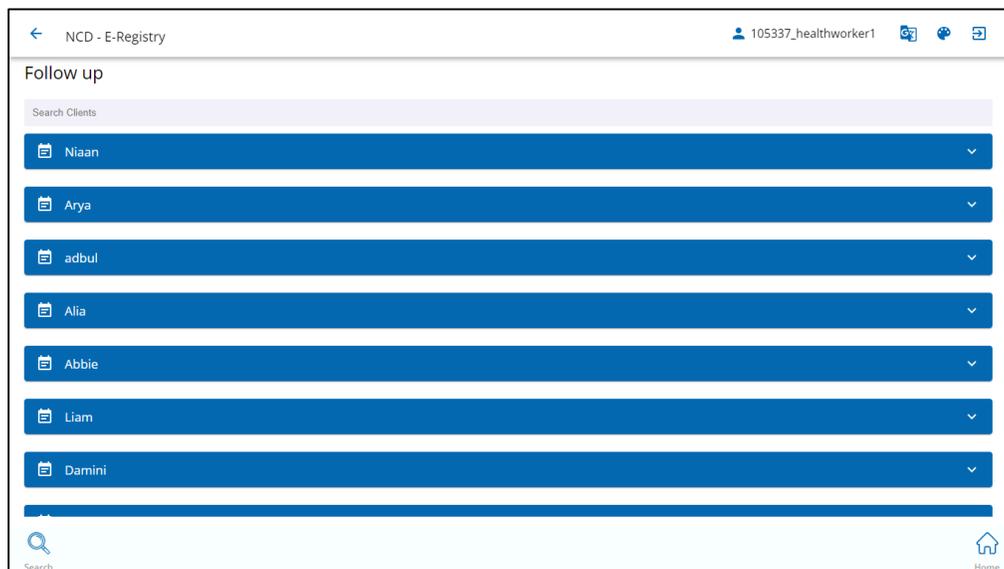


FIGURE 10: FOLLOW UP

Module 6: Task list

List of patients with pending forms is accessible within specific tabs. Actionable buttons of 'View' and 'Edit' would allow users to view the client's stage details or open their forms for editing respectively.

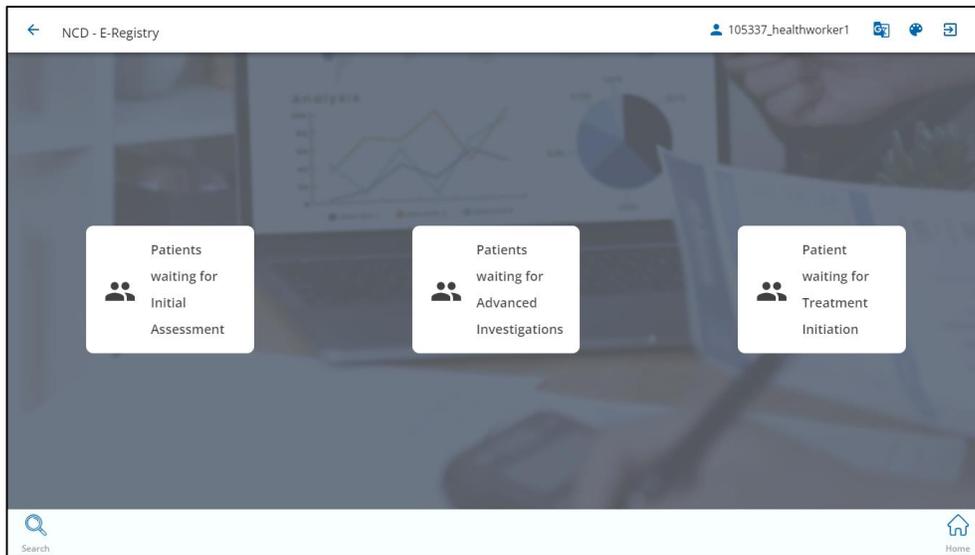


FIGURE 11: TASK LIST

Module 7: Add New Disease

This unique feature enables the configuration and addition of new diseases in accordance with the program's future-specific requirements.

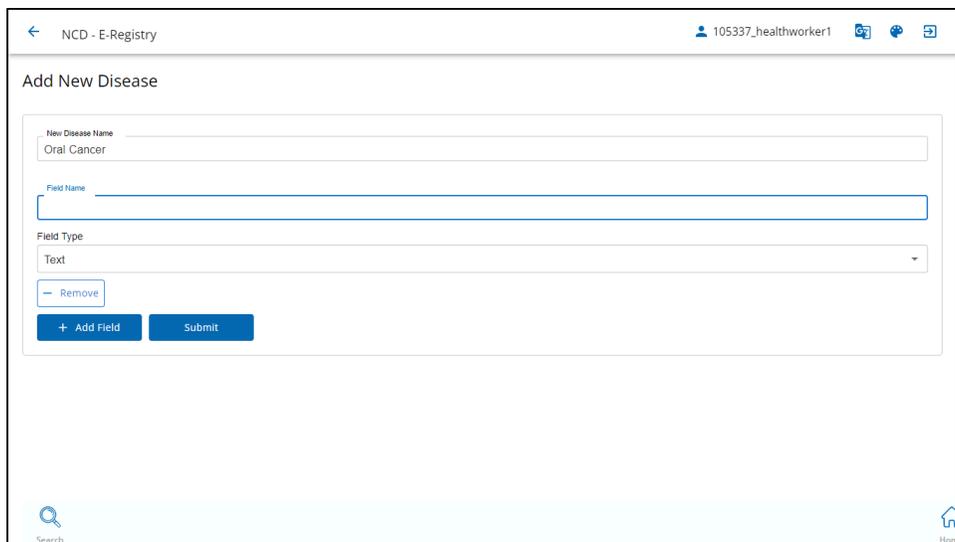


FIGURE 12: ADD NEW DISEASE

Module 8: Offline Functionality

In case of power outages or internet connectivity issues this feature can help the health care providers/users to enter and collect data without any hinderance

Offline Sync- Once the data is entered the same can be viewed in the offline section and clicking the "sync" option, the entries will be displayed in the app.

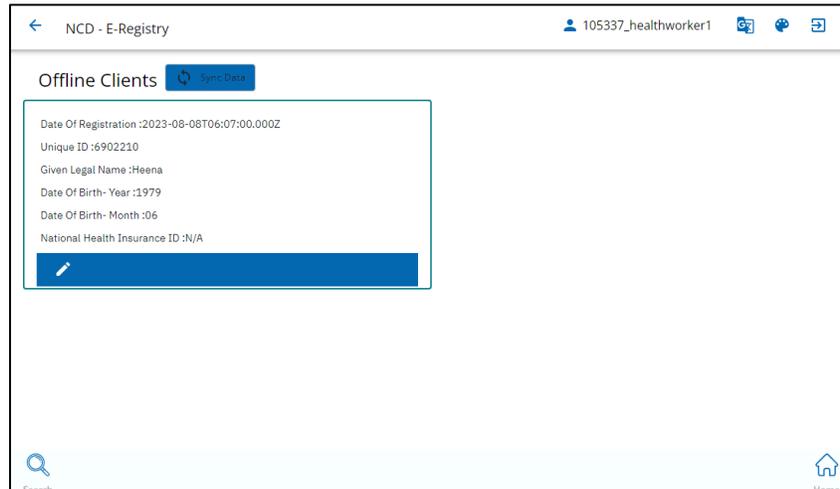


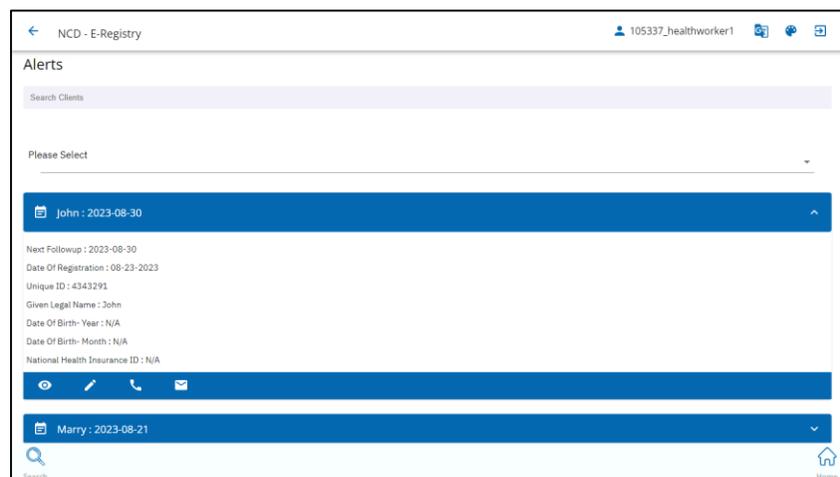
FIGURE 13: OFFLINE RECORD

Module 9: Alerts

This functionality will allow the Healthcare providers to view alerts regarding missed patient follow-ups and any reported adverse events. Each client is displayed by their first name and the name of the alert.

The user can also perform the following actions on a specific client:

- View:** The user can view the client's stage-wise data.
- Edit:** The user can update or modify the client's data.
- Call:** The user can contact the client on their permanent phone number.
- Email:** The user can email the client with their specific email id.



Program Workflow

The main purpose of the NCD E- Registry application is to register patients who are affected by any of the NCD and provide them with the required services. This chapter covers the entire flow of the client's journey through screening, testing and treatment services as well as user-based access to the various stages present on the application

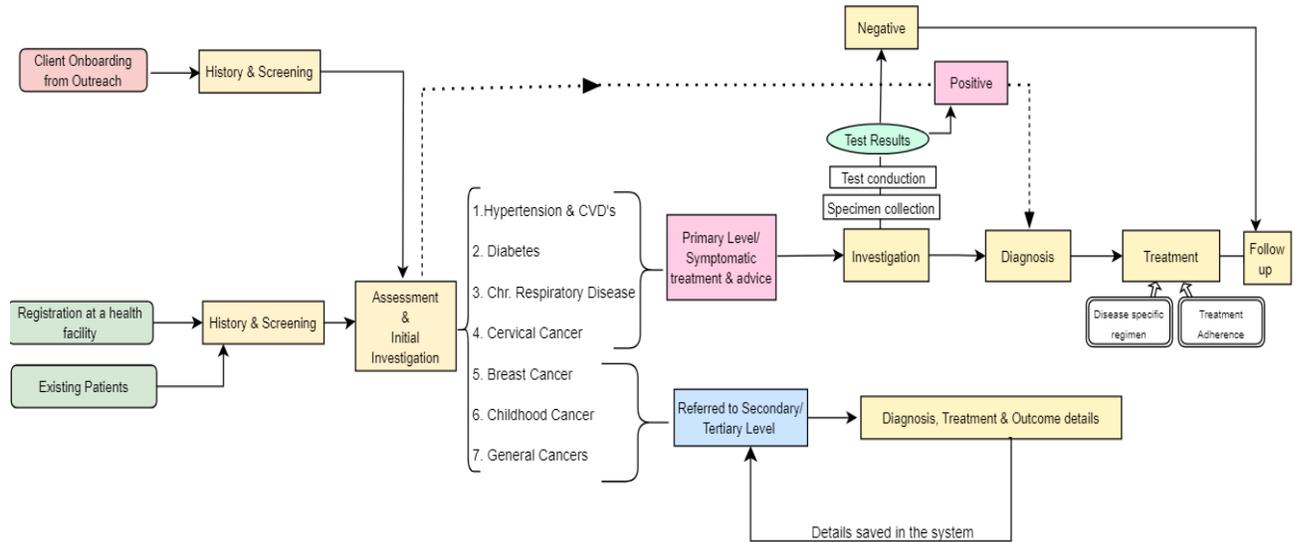


FIGURE 15: PATIENT USER FLOW

Add New Client/Patient

Registration Form

FIGURE 16: REGISTRATION FORM

1. This module allows the user to register a new patient.
2. The user is first directed to the 'Search' page to check if the client to be registered already exists.
3. The user can look up a client in the following ways:
 - a. Profile: The user can enter the client's first name, age, and gender.
 - b. UIC: The user can enter the client's Unique Identification Code.
 - c. QR Code: The user can scan a QR code.
 - d. Specimen: The user can enter the client's Specimen ID.
4. If a match is found, the user can edit the details of the existing client, and if not, the user can proceed to register the client. The search option helps to avoid duplication of records.
5. The user is prompted to fill in the asterisks marked mandatory fields before submitting the registration

History & Screening Form

1. On submitting the 'Registration' form, the user is directed to the 'History & Screening' form.
2. After submitting registration details, users are guided to provide screening information, share their medical history, and specify any signs and symptoms in the next form.
3. On submit, the user is directed to the homepage.

FIGURE 17: HISTORY & SCREENING

Initial Assessment

1. After gathering the patient's medical history, the screening process concludes. Subsequently, the healthcare provider (HCP) is guided back to the homepage. From there, they are required to access the patient record list, enabling them to choose the recently registered patient and continue filling in the assessment details.
2. A preliminary evaluation is conducted for each disease, and the outcomes are documented.
3. If there arises a necessity to recommend additional examinations, the patient is duly referred. However, when a patient is under suspicion of having any form of cancer, they are directed towards tertiary care for advanced treatment. At this point, the procedural sequence takes a distinct route for such patients.
4. The record of the previous visit is archived within the table located at the bottom of the page, ensuring it is accessible for future reference.

FIGURE 18: INITIAL ASSESSMENT

Advanced Investigation & Final Diagnosis

1. Once the patient's assessment includes any of these five conditions (Hypertension, Asthma, Diabetes, COPD, or Cervical Cancer), the required confirmatory tests are conducted, and the diagnosis is documented.
2. Following this, the appropriate treatment stage/form is automatically populated with the pertinent section corresponding to the diagnosed disease.
3. A dedicated section exists to indicate whether a follow-up is necessary for the given patient. Should a follow-up be deemed necessary, the healthcare provider (HCP) possesses the ability to establish the frequency of the subsequent follow-up for that patient directly from within this section.

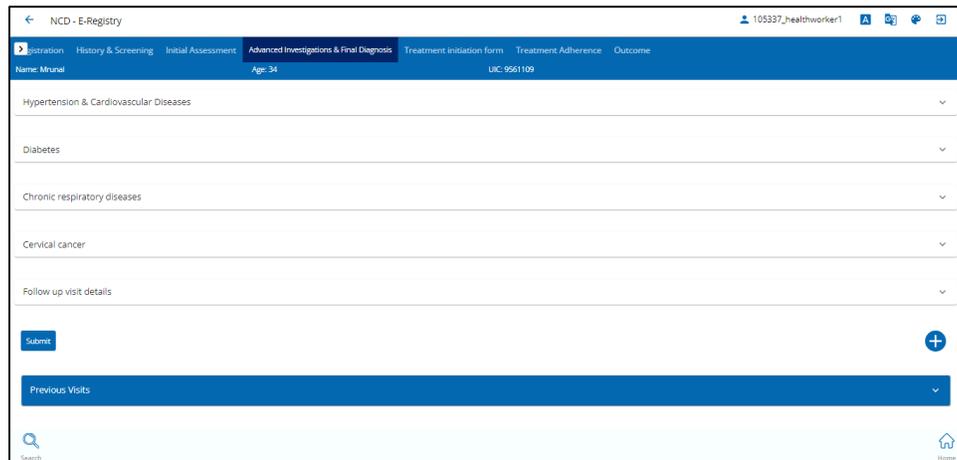
The screenshot shows a mobile application interface for 'NCD - E-Registry'. The top navigation bar is blue and contains several tabs: 'Registration', 'History & Screening', 'Initial Assessment', 'Advanced Investigations & Final Diagnosis' (which is currently selected), 'Treatment Initiation form', 'Treatment Adherence', and 'Outcome'. Below the navigation bar, the patient's name 'Name: Mrunal' and age 'Age: 34' are displayed, along with a UIC number 'UIC: 9561109'. The main content area consists of five vertically stacked sections, each with a dropdown arrow on the right: 'Hypertension & Cardiovascular Diseases', 'Diabetes', 'Chronic respiratory diseases', 'Cervical cancer', and 'Follow up visit details'. Below these sections is a blue 'Submit' button and a blue plus sign icon. At the bottom of the form is a blue bar labeled 'Previous Visits' with a dropdown arrow. The bottom of the screen features a search icon and a home icon.

FIGURE 19: ADVANCED INVESTIGATION & FINAL DIAGNOSIS

Treatment Initiation

1. For every disease identified in the prior form, a pertinent section appears to gather the commencement specifics of the treatment. This encompasses information about the prescribed medication, dosage frequency, doses, and other fundamental particulars.
2. Importantly, these sections are provided with an "ADD" feature, facilitating the inclusion of multiple medications if a patient necessitates multiple treatments for a specific condition. Additionally, provisions have been integrated to accommodate future alterations in medications.
3. Furthermore, the capability to remove previous prescriptions is also integrated into this section.

NCD - E-Registry | 105337_healthworker1
 Registration | History & Screening | Initial Assessment | Advanced Investigations & Final Diagnosis | **Treatment initiation form** | Treatment Adherence | Outcome
 Name: Mrunal | Age: 34 | UIC: 9561109

Hypertension & CVD- Treatment Initiation

Treatment regimen: [Dropdown] | Dose (mg): [Text] | Frequency: [Dropdown]

Treatment start date: 2023-08-01 | Advice: [Text] | Treatment end date: 2023-08-31

Remarks: [Text]

Medication	Dose (mg)	Frequency	Advice	Remarks	Treatment start date	Treatment end date	Remove	edit
Telmisartan	45	Once a day	Test	Test result	2023-08-01	2023-08-31		

Diabetes- Treatment Initiation

+ Submit

FIGURE 20: TREATMENT INITIATION

Treatment Adherence

1. After finalizing the treatment initiation details for a patient, the patient is presented with an adherence calendar. This calendar allows the healthcare provider (HCP) to record the patient's adherence to the prescribed medication.
2. When a specific date is chosen, the calendar reflects the adherence status with colors: red if the dose was missed, orange if the dose was taken partially, and green if the dose was taken as prescribed.
3. Additionally, within this form, there's an option to provide information about any adverse events the patient might have experienced.

NCD - E-Registry | 105337_healthworker1
 Registration | History & Screening | Initial Assessment | Advanced Investigations & Final Diagnosis | Treatment initiation form | **Treatment Adherence** | Outcome
 Name: Mrunal | Age: 34 | UIC: 9561109

August 2023 | Today

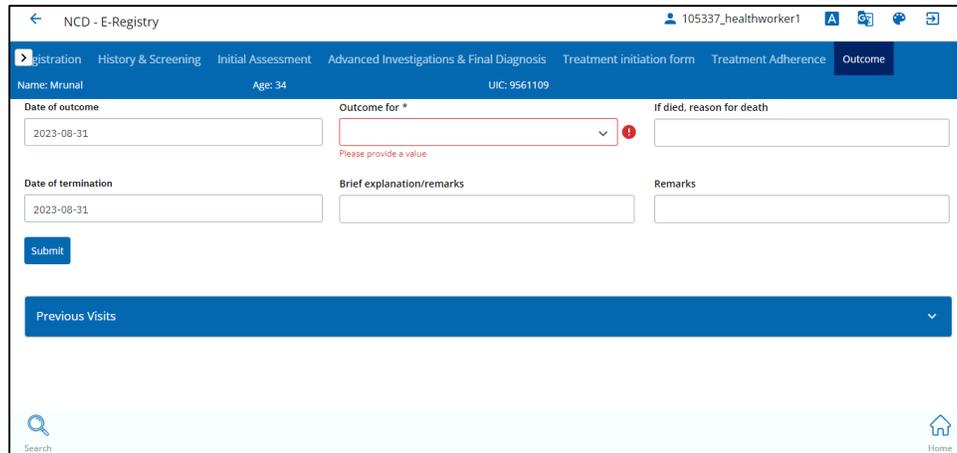
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Any adverse drug reactions: [Dropdown] | Give details on the adverse drug reaction: [Text]

FIGURE 21: TREATMENT ADHERENCE

Outcome

1. The results and outcome details for the patient are recorded in this section. If, unfortunately, the patient has passed away, the reason for the death is documented here.
2. Once this process is finalized, the patient is directed back to the homepage for further actions or navigation.

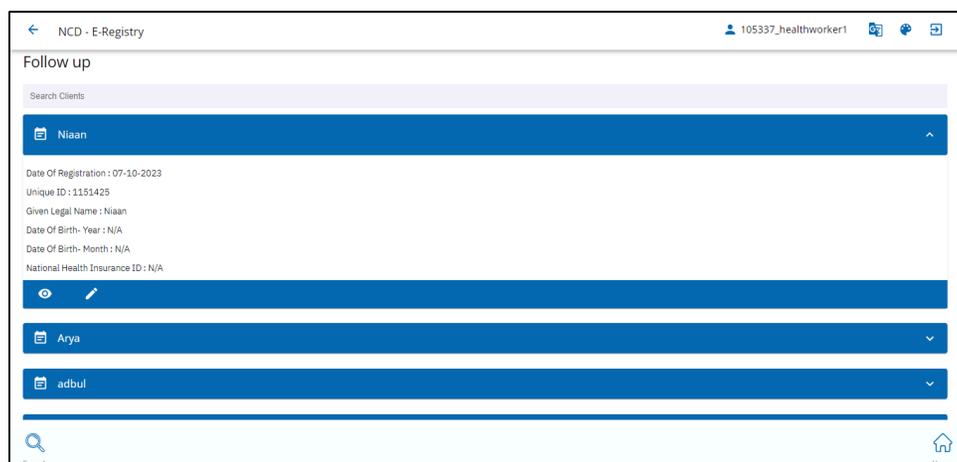


The screenshot shows the 'Outcome' form in the NCD - E-Registry. The form is titled 'NCD - E-Registry' and includes a user profile for '105337_healthworker1'. The patient's name is 'Mrunal', age is '34', and UIC is '9561109'. The form contains several input fields: 'Date of outcome' (2023-08-31), 'Outcome for *' (a dropdown menu with a red error message 'Please provide a value'), 'If died, reason for death', 'Date of termination' (2023-08-31), 'Brief explanation/remarks', and 'Remarks'. A 'Submit' button is located below the form. At the bottom, there is a 'Previous Visits' section with a dropdown arrow. The interface includes a search icon and a home icon.

FIGURE 22: OUTCOME

Follow up

1. During each follow-up, the healthcare provider (HCP) needs to search for the patient within the follow-up table. Once located, the HCP can access the patient's information and directly input the follow-up details into the designated form.
2. The follow-up form, presented in a card view format, has been enhanced to offer a concise summary of the patient's current condition. This summary facilitates a rapid assessment by the HCP, enabling swift analysis of the patient's situation and contributing to more efficient treatment decisions.



The screenshot shows the 'Follow up' card view in the NCD - E-Registry. The card is titled 'Follow up' and includes a search bar for 'Search Clients'. The card displays a list of patients: 'Niaan', 'Arya', and 'adbul'. The 'Niaan' card is expanded, showing patient details: 'Date Of Registration : 07-10-2023', 'Unique ID : 1151425', 'Given Legal Name : Niaan', 'Date Of Birth- Year : N/A', 'Date Of Birth- Month : N/A', and 'National Health Insurance ID : N/A'. The card also includes a search icon and a home icon.

FIGURE 23: FOLLOW UP

NCD - E-Registry

105337_healthworker1

Search Registration History & Screening Initial Assessment Referral to Hospitals/ Tertiary centers Treatment Adherence Outcome Follow up

Name: Niaan Age: N/A UIC: 1151425

Hypertension Follow up

Diabetes Follow up

Asthma & COPD Follow up

Cervical Cancer Follow up

Mammography Screening- Follow up

Next follow up visit details

Search Home

FIGURE 24: FOLLOW UP FORM

HEALTH FACILITY SUPERVISOR MODULE

User Login

1. After the user has selected a particular role (i.e., health facility user), they can login with their respective credentials, (as shown in the figure below Fig: health facility user login) which contains the following:
 - Username
 - Password
2. There should be no spaces before and after the username.
3. The user can unmask the password, to check for any errors in an entry.
4. If the user does not have an account, they should contact the administrator.

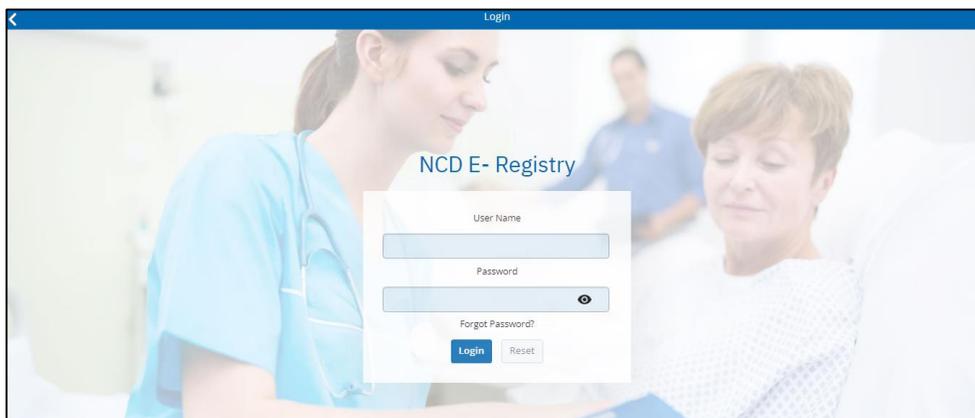


FIGURE 25: LOGIN

Language Selection Page

The provider can choose their preferred language from the provided list, and the application will be translated accordingly for ease of use.

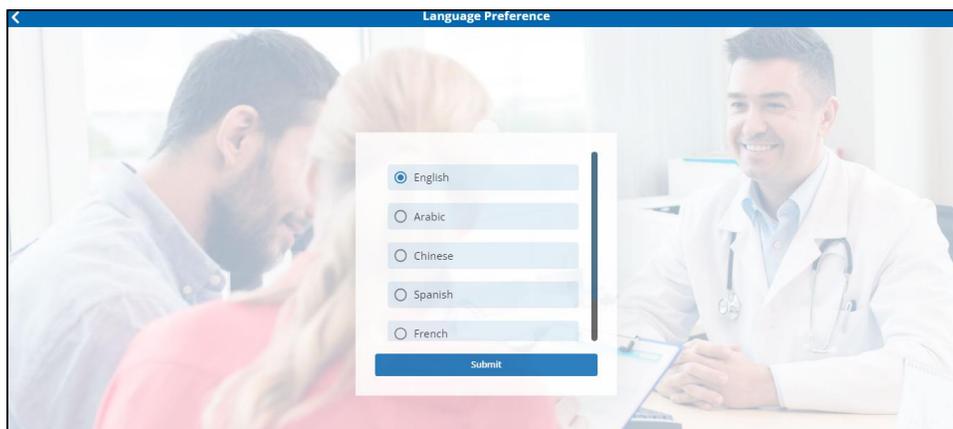


FIGURE 26: LANGUAGE FORM

Home Page

The HCP home page has following modules -

1. Facility Management Module
2. Supplementary Facility Modules
3. User Management
4. Training Section
5. Appointment Scheduler

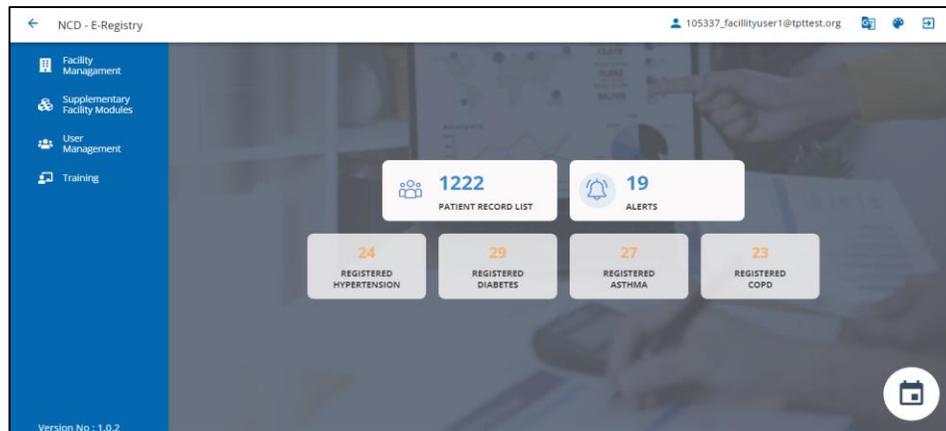
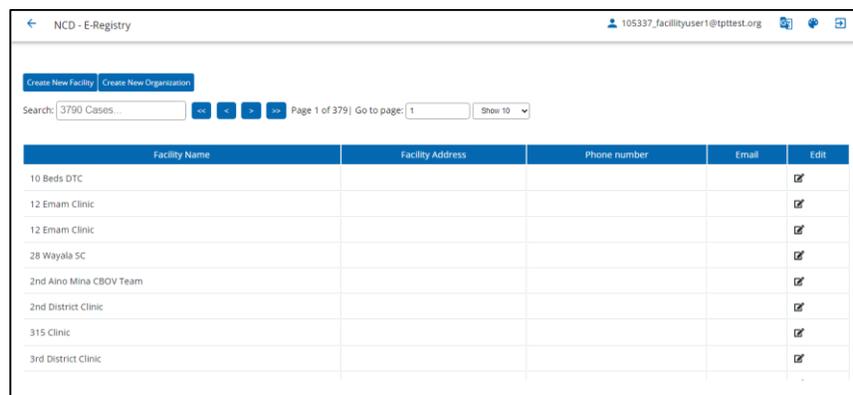


FIGURE 27: HOMEPAGE

Application Modules

Module 1: Facility Management Module

1. This functionality grants health facility supervisors/administrative users the ability to both introduce new facilities and revise information related to existing ones.
2. The "Add Organization" button empowers facility users to incorporate a new organization while also providing options to specify different tiers or levels within a facility.
3. Moreover, the "Edit" feature facilitates the modification of any facility details if deemed necessary in the future.



Facility Name	Facility Address	Phone number	Email	Edit
10 Beds DTC				<input type="checkbox"/>
12 Emam Clinic				<input type="checkbox"/>
12 Emam Clinic				<input type="checkbox"/>
28 Wayala SC				<input type="checkbox"/>
2nd Aino Mina CBOV Team				<input type="checkbox"/>
2nd District Clinic				<input type="checkbox"/>
315 Clinic				<input type="checkbox"/>
3rd District Clinic				<input type="checkbox"/>

FIGURE 28: FACILITY MANAGEMENT MODULE

Module 2: Supplementary Facility Module

This feature empowers health facility supervisors/managers to input data across four distinct subsections: equipment management, stock management, facility performance, and test availability within the facility.

1. **Equipment Management:** Health facility supervisors and managers have the ability to record and manage information related to medical equipment within the facility. This includes details such as equipment inventory, maintenance schedules, calibration records, and any issues or repairs. By maintaining accurate equipment data, the facility can ensure that essential medical devices are functioning properly and are available when needed.
2. **Stock Management:** This aspect empowers supervisors and managers to oversee the inventory of medical supplies and medications. They can input data on stock levels, restocking schedules, reorder points, and usage patterns. Effective stock management ensures that the facility has an adequate supply of necessary items, minimizing the risk of shortages and optimizing resource allocation.
3. **Facility Performance:** Health facility performance can be tracked and analyzed through this subsection. Supervisors and managers can input data on various performance metrics, such as patient satisfaction, wait times, appointment adherence, and service utilization. This information helps identify areas for improvement and enables evidence-based decision-making to enhance overall facility performance.
4. **Test Availability:** This subsection focuses on the availability of medical tests within the facility. Supervisors and managers can input details about the range of tests offered, their frequency, turnaround times, and any specific requirements. This information ensures that patients receive timely and accurate diagnostic services, contributing to effective patient care.

This feature equips health facility supervisors and managers with a comprehensive toolset to manage and optimize various facets of their facility's operations. It enhances efficiency, quality of care, and overall facility management.

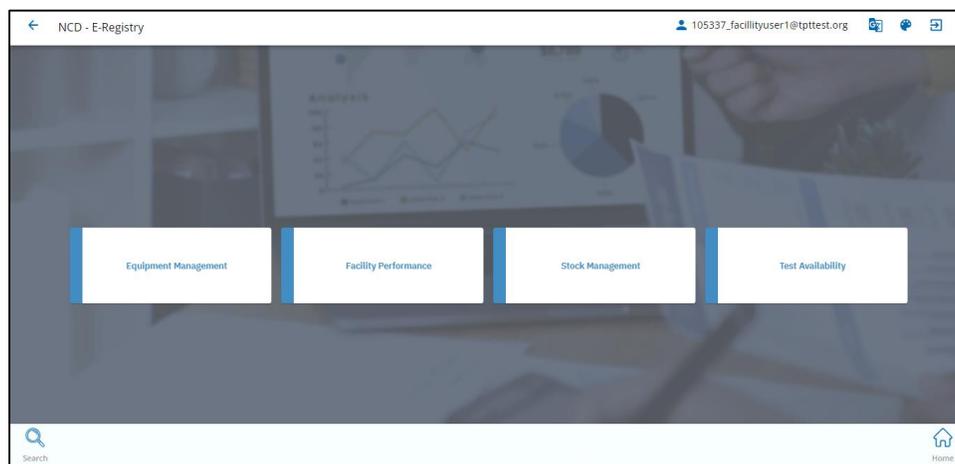


FIGURE 29: SUPPLEMENTARY FACILITY MANAGEMENT MODULE

Module 3: User Management Module

This functionality provides health facility supervisors/administrators with the ability to manage user accounts within the healthcare system. It encompasses two primary actions: creating new healthcare provider (HCP) users and managing the access privileges of existing users.

1. **Creating New HCP Users:** Health facility supervisors/administrators can utilize this feature to add new healthcare provider (HCP) users to the system. The supervisors/administrators can input essential details for each new user, such as their name, role, contact information, and any relevant credentials.
2. **Managing User Access:** Once user accounts are established, supervisors/administrators have the authority to manage access privileges for each user.

First Name	Last Name	Email	Phone Number	Status	Edit
test	test	105337_healthworker1@imon.org	9876543210	Active	✎
Harry	testsurname			Active	✎
First Test	testsurname		1234567899	Active	✎
John Doe	testsurname		1234567890	Active	✎
Genice	testsurname		98765434568	Active	✎
Nikhil	Galkwad		9867155919	Active	✎
Test	User	ncdadmin@imonitorplus.com		Active	✎
Leone	testsurname			Active	✎
Mrunal	testsurname			Active	✎
Renata Fernanda	testsurname		12023614862	Active	✎

FIGURE 30: USER MANAGEMENT MODULE

Module 4: Training Module

This functionality serves as a vital tool for health facility supervisors to effectively educate and train the facility staff on the most up-to-date guidelines, protocols, and practices. It is designed to ensure that all staff members are equipped with the necessary knowledge and skills to provide quality care in alignment with the latest industry standards.

Training

Non-Communicable Diseases, are a group of medical conditions that are primarily caused by lifestyle and environmental factors, rather than infectious agents. These diseases, including heart disease, diabetes, cancer, and respiratory disorders, have become a significant global health challenge. To address this issue, the World Health Organization (WHO) has published comprehensive guidelines and recommendations to help countries and healthcare systems effectively manage and prevent NCDs.

Below are the guidelines published by WHO under various headings. You can click on any link to access the full file:

- > [Guidelines for primary health care in low-resource settings](#)
- > [Guideline for the pharmacological treatment of hypertension in adults](#)
- > [Comprehensive cervical cancer control](#)
- > [WHO guideline on self-care interventions for health and well-being, 2022 revision](#)

FIGURE 31: TRAINING MODULE

Module 5: Appointment Scheduler

This functionality empowers facility supervisors to efficiently manage and allocate appointments for patients.

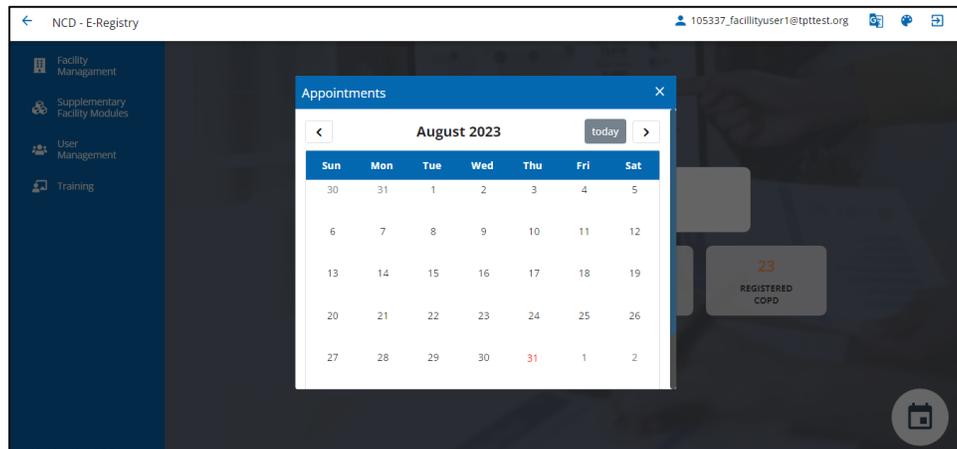


FIGURE 32: APPOINTMENT SCHEDULER

HEALTH SYSTEM USER/ PATIENT/ BENEFICIARY MODULE

Login

1. After the user has selected a particular role (i.e., Client/patient), they can login with their respective credentials, which contains the following picture.
2. Mobile number (which was entered while registering the client)
3. If the user does not have a registered number, they should contact the health care provider.
4. After entering the mobile number, the user needs to click on the send access code button.
5. The access code which is received by the user must be entered in the pop-up box.

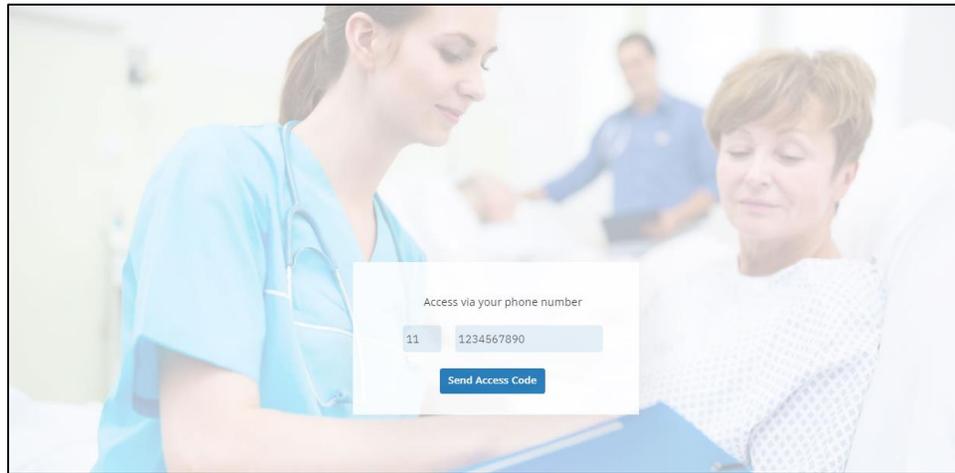


FIGURE 33: CLIENT LOGIN PAGE

Language Selection Page

The user can select their preferred language from the list of languages (as shown in the Figure -Language selection page).

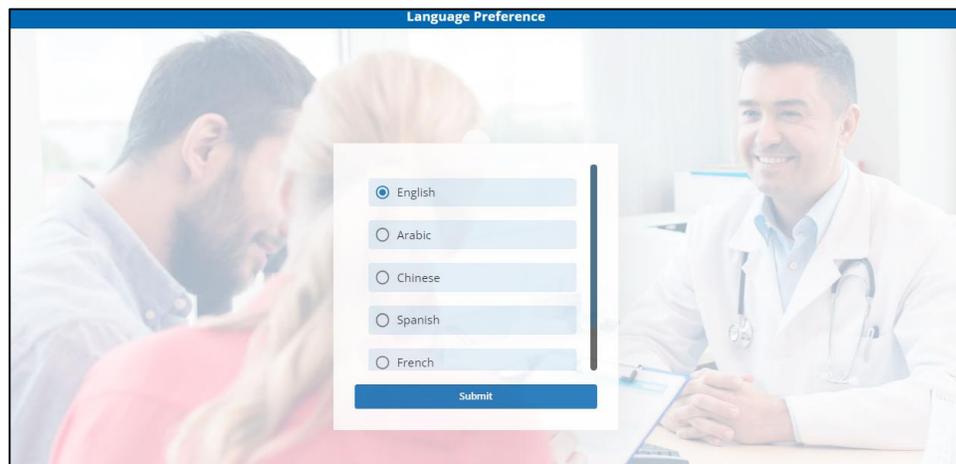


FIGURE 34: LANGAUGE SELECTION PAGE

User Profile Selection Page

The user can select from a list of user profiles created by using the identical phone number (as shown in the below Figure: User profile selection page).

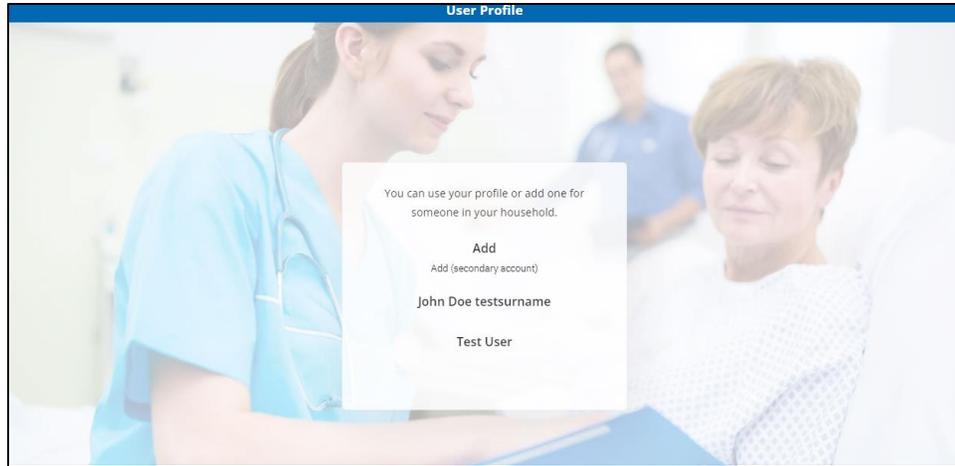


FIGURE 35: USER PROFILE SELECTION PAGE

Home Page

The patient module home page has the following 5 modules (as shown in the below Figure- Client homepage):

1. My journey
2. Get Connected
3. Near Me
4. Health Tools
5. Education and Knowledge

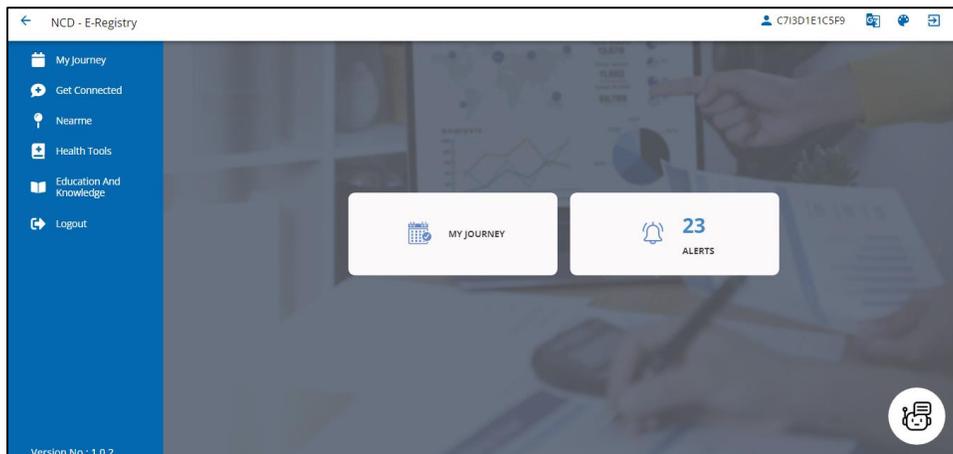


FIGURE 36: CLIENT HOMEPAGE

Module 1: My Journey

1. This functionality provides users with the capability to access and modify all the forms they are authorized to interact with within the system.
2. It ensures that users have a streamlined and efficient way to interact with their respective forms while maintaining data accuracy and user control.
3. After submitting the form, the client gets directed to the homepage.

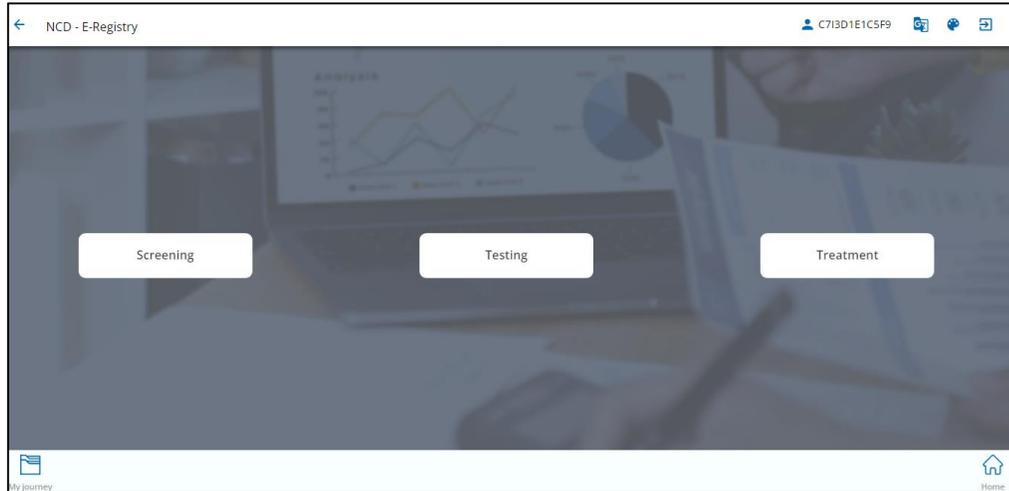


FIGURE 37:MY JOURNEY

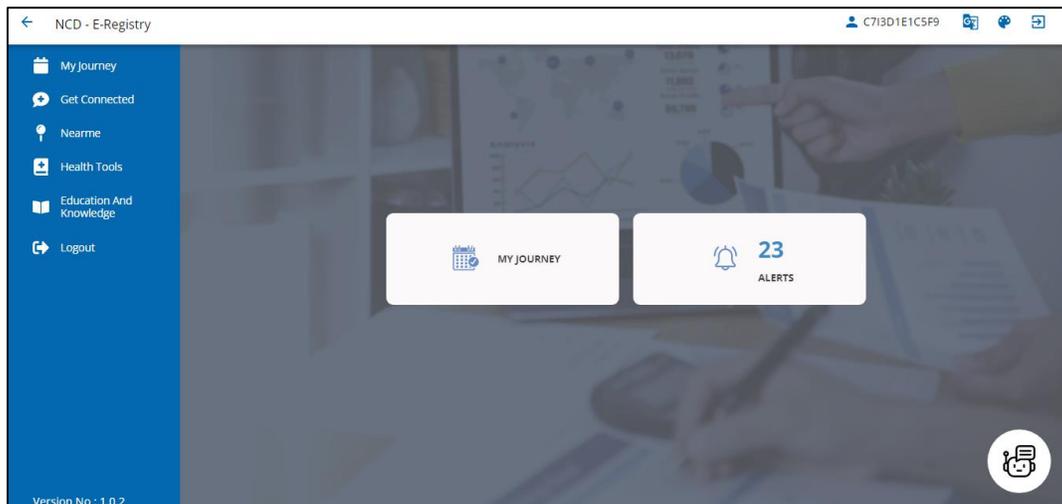


FIGURE 38: AFTER FORM SUBMISSION

Module 2: Get Connected

This section enables clients to connect with their healthcare providers/peers by providing them a space where they could communicate through chat.

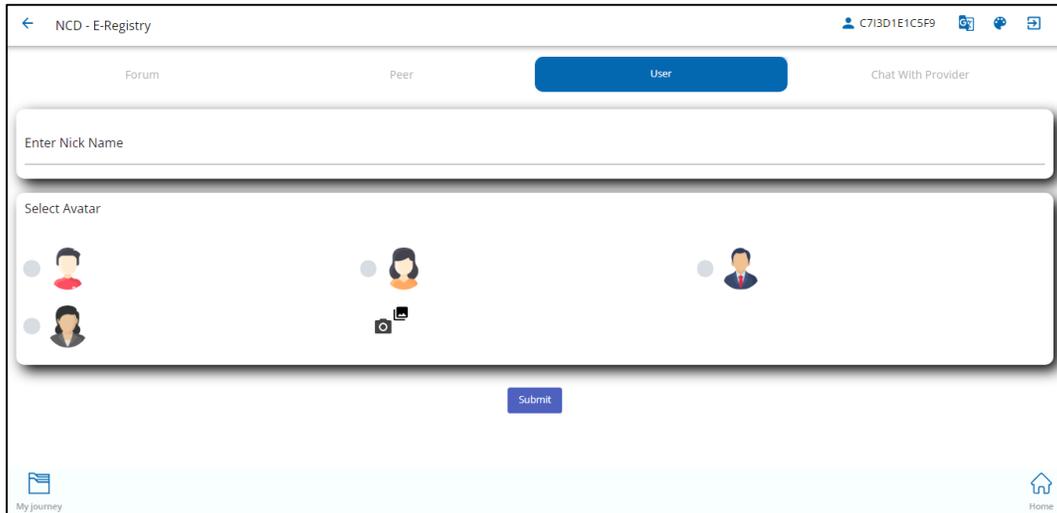


FIGURE 39: GET CONNECTED

Module 3: Near Me

1. Users can use the Near me module to locate the availing suitable health services around them (as shown in the below Figure -near me module and filters).
2. Users can use the proximity and facility type filters to locate their preferred facility center.

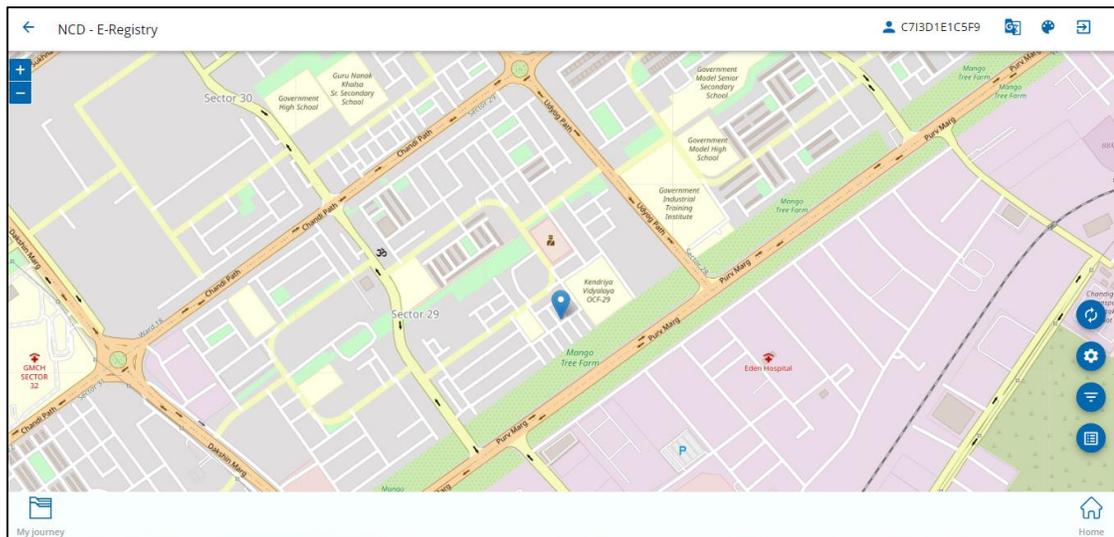


FIGURE 40: NEAR ME MODULE AND FILTERS

Module 4: Health Tools

This feature enables patients/clients to utilize various tools, such as calculating their BMI or checking their treatment status.

The screenshot shows the 'BMI Calculator' interface within the 'NCD - E-Registry' app. The app header includes a back arrow, the text 'NCD - E-Registry', a user profile icon with ID 'C713D1E1C5F9', and three utility icons. The main content area is titled 'BMI Calculator' and contains four input fields: 'Name' (with 'John Doe testsurname' entered), 'Age', 'Height *' (with 'cm' selected), and 'Weight *' (with 'kg' selected). A blue 'Calculate' button is positioned below the input fields. To the right of the form is a semi-circular BMI scale with four segments: 'Underweight' (yellow), 'Normal weight' (green), 'Overweight' (orange), and 'Obesity' (red). The center of the scale displays 'BMI N/A'. The bottom navigation bar features a 'My journey' icon on the left and a 'Home' icon on the right.

FIGURE 41: HEALTH TOOLS

Module 5: Education & Knowledge

This section empowers users to access materials for self-education as and when needed.

The screenshot shows the 'Education and Knowledge' section of the 'NCD - E-Registry' app. The app header is identical to Figure 41. The main content area is titled 'Education and Knowledge' and features a prominent blue button labeled 'GET KNOWLEDGE'. The bottom navigation bar is also identical to Figure 41, with 'My journey' and 'Home' icons.

FIGURE 42: EDUCATION & KNOWLEDGE

OFFLINE FUNCTIONALITY

1. The offline functionality is of utmost importance to users who have limited access to internet connectivity, especially for volunteers who work at ground zero.
2. It is important to note that a user needs a stable internet connection to first login AND reach the homepage of the mobile application before using the application in the offline mode.
3. The user will not have access to any modules except 'Add new client'.
4. All client records registered in the offline mode can be accessed under 'Offline Client' in the hamburger menu at the top left corner of the application.
5. The offline client records are saved even if the mobile application is shut/killed

To register a client, the user can simply navigate to the 'Add new client' and register a client.

1. To add details of assessment and treatment, the user has to navigate to 'Offline Client' in the hamburger menu at the top left of the application.
2. Once the user has access to a stable internet connection, they can sync the records by selecting the
3. 'Sync data' option in the 'Offline client' section.
4. On syncing the offline records, the user can now view these records in the 'Patient record List' module.

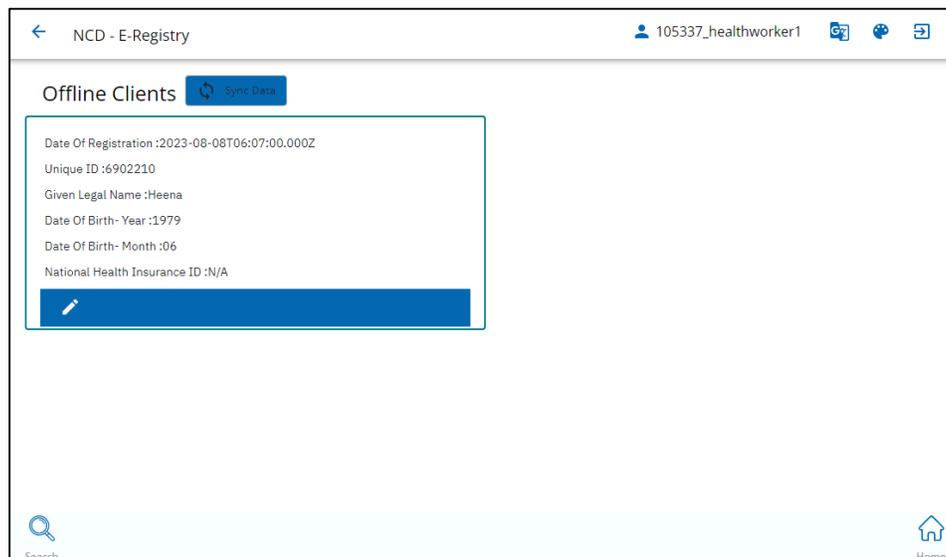


FIGURE 43: OFFLINE MODULE