

National Sickle Cell Anaemia Elimination Mission

## User Manual For Sickle Cell Treatment Module



Issue Organization:  
Ministry of Health and Family Welfare



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## 1. Introduction

### Sickle Cell:

Sickle Cell Disease (SCD) is a group of blood disorders typically inherited from a person's parents. It results in an abnormality in the oxygen-carrying protein hemoglobin found in red blood cells. This leads to a rigid, sickle-like shape under certain circumstances. A number of health problems may develop, like attacks of pain, anemia, swelling in the hands and feet, bacterial infections and stroke. Long-term pain may develop as people get older.

## 2.User Creation

2.1 User with Role as Treatment user(Portal) has been created under User management.

The screenshot displays the 'Add User' form in the NSCEM Admin Dashboard. The form includes the following fields and values:

- Note:** \* All fields are required
- Level\*:** Health Facility
- State\*:** ASSAM
- District\*:** BARPETA
- Facility Type\*:** Community Health Centre
- Select Health Facility\*:** BARPETA ROAD FRU(8185258830)
- Name\*:** shivani
- Designation\*:** test
- Mobile\*:** 9090884333
- Role\*:** Treatment User (Portal)
- Email\*:** shivani@nic.in

A green 'SAVE' button is located at the bottom center of the form.

2.1.1 Steps to follow to create user for Treatment Module( Portal):

1. Login with state admin or district admin to the Portal sickle.nhm.gov.in
2. Select manage Users under Admin Section
3. Select Level Health Facility and fill the details required to create a user
4. Select the role Treatment User
5. Click on save

## 3. Login

### Treatment Module Login Process

#### 3.1. Login Button

Enter URL <https://sickle.nhm.gov.in/> . Click on the Login button and a popup will be displayed

In popup two options are available:

1. Login with Parichay
2. Login with Mobile Number

The screenshot shows the website for the National Sickle Cell Disease Control Programme. At the top, there are logos for the Ministry of Health and Family Welfare and the Ministry of Tribal Affairs. A navigation menu includes links for Media Gallery, Know Your Report, Contact Us, User Manual, Mobile App Download (marked as NEW), and Privacy Policy. A 'Login' button is visible in the top right corner. The main content area features a large illustration of a person sitting on a bench next to a blood donation station, with a 'BLOOD TEST' banner and a test tube. A 'Login' popup is centered on the screen, containing the following text:

Login

- If you have Gov/NIC email-id , Then login with NIC Single Sign-On Platform (Parichay).
- If you don't have Gov/NIC email-id, Then click on Login with Mobile Number.

The popup includes two buttons: 'Login with Parichay(SSO)' and 'Login with Mobile Number'. A 'CLOSE' button is located at the bottom right of the popup. Below the main content area, there is a profile card for Shri Jagat Prakash Nadda, Hon'ble Cabinet Minister (Health and Family Welfare). At the bottom, there is a footer with the text: 'Website contents are being maintained by Ministry of Health and Family Welfare, Government of India and data is being managed by respective States.'

### 3.2. Choose Login With Mobile Number

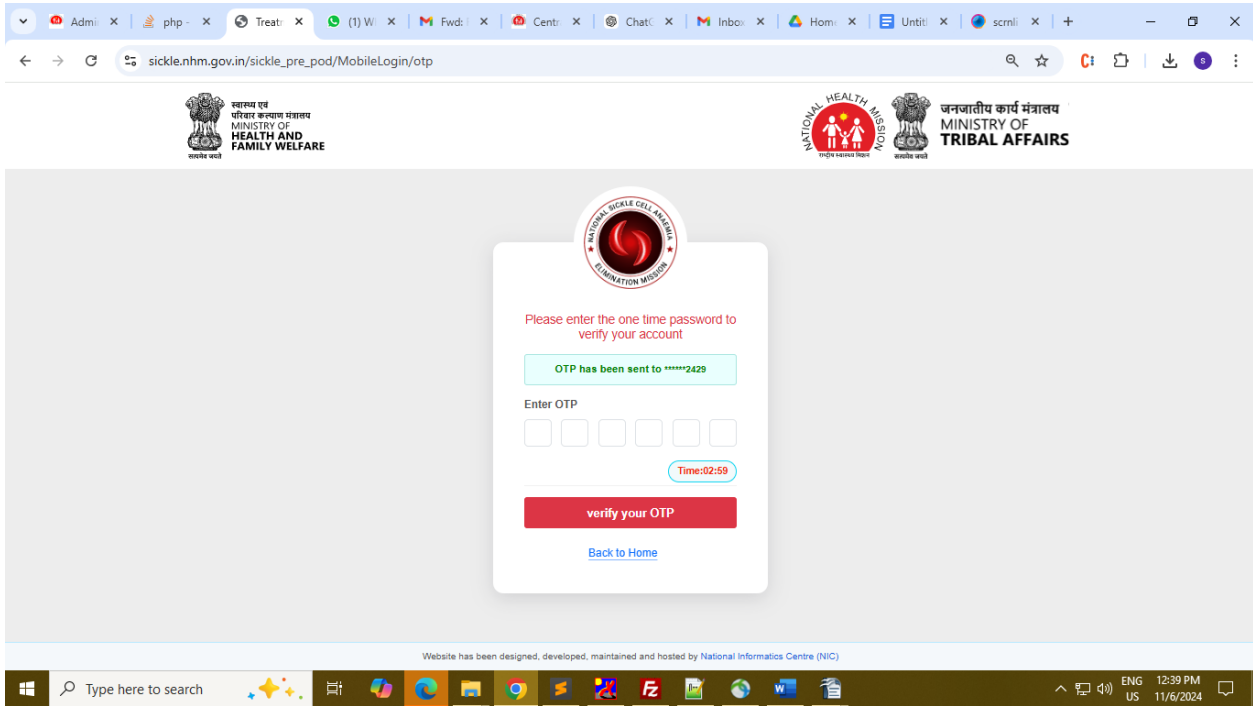
By clicking on Login with Mobile number a user will redirect to a new page .

The screenshot shows a web browser window with the URL `sickle.nhm.gov.in/sickle_pre_pod/MobileLogin`. The page header includes the logos of the Ministry of Health and Family Welfare and the Ministry of Tribal Affairs. The main content area features a white card with the National Sickle Cell Anaemia Elimination Mission logo at the top. Below the logo, there are two input fields: 'Enter Mobile Number' with a dropdown menu for country selection (India is selected) and 'Enter Captcha' with a captcha image and a 'Captcha code' input field. A red 'Send OTP' button is positioned below the input fields, and a 'Back to Home' link is at the bottom of the card. At the bottom of the page, a footer states: 'Website has been designed, developed, maintained and hosted by National Informatics Centre (NIC)'. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, with the system tray displaying the time as 12:36 PM on 11/6/2024.

- Enter Registered Mobile Number and captcha .
- After successfully enter the correct captcha and registered Mobile number an OTP has been sent to the given mobile number by clicking on the SEND OTP button

### 3.3 OTP Window

A new window will open where users can enter an OTP that has been sent to the MOBILE number.



### 3.3.1 Error Message

After successfully entering the OTP user click on verify OTP button to verify the OTP . If a user has entered a WRONG OTP an error message will be displayed.

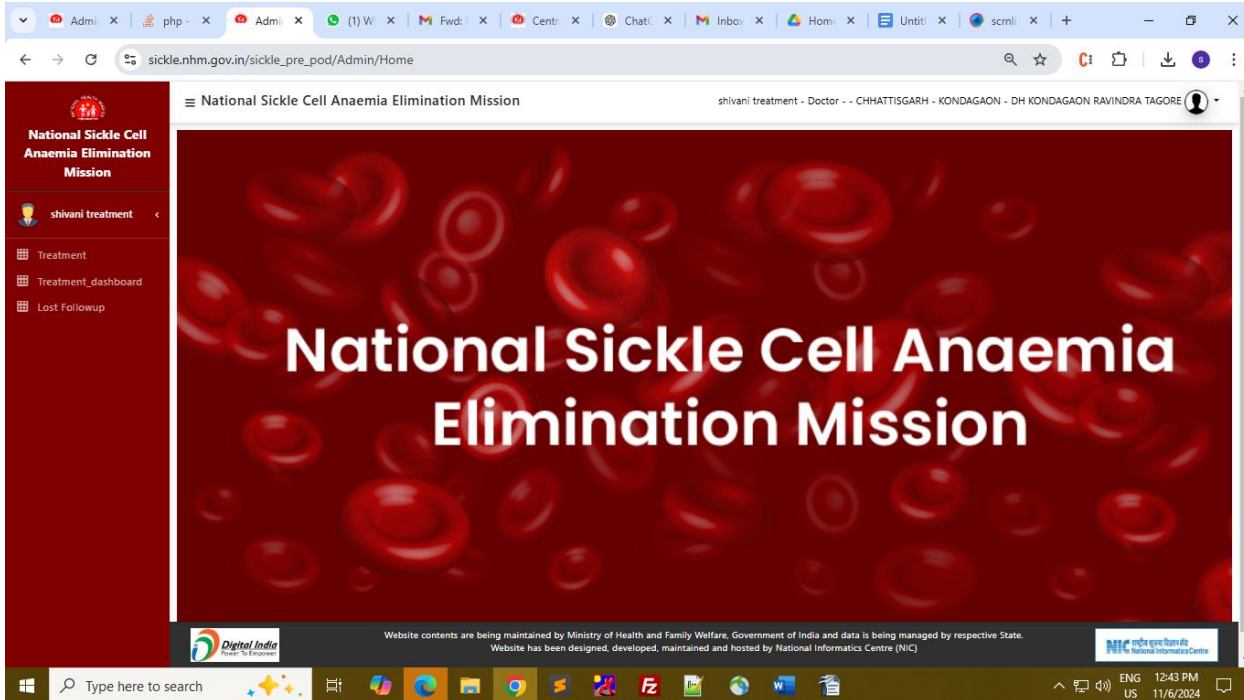
The screenshot displays a web browser window with the URL `sickle.nhm.gov.in/sickle_pre_pod/MobileLogin/otp?mobilenno=9888962429`. The page features logos for the Ministry of Health and Family Welfare and the Ministry of Tribal Affairs. The central content area shows a white card with the National Sickle Cell Anemia Elimination Mission logo at the top. The card contains the following text and elements:

- A pink error message: "Wrong OTP or OTP has been expired".
- A prompt: "Please enter the one time password to verify your account".
- A green confirmation message: "OTP has been sent to \*\*\*\*\*2429".
- An "Enter OTP" section with five input boxes and a "Time:02:59" countdown timer.
- A red "verify your OTP" button.
- A blue "Back to Home" link.

At the bottom of the page, a footer states: "Website has been designed, developed, maintained and hosted by National Informatics Centre (NIC)". The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date and time: "ENG 12:42 PM US 11/6/2024".

## 4. Treatment Module Menu

After Successfully entered a OTP a Treatment Module Window Will be open.



Right now we have three Menu on the sidebar .

1. Treatment Dashboard
2. Treatment
3. Lost followup

## 5. Treatment Dashboard

By clicking On Treatment Dashboard A Dashboard for treatment has opened

**NOTE:** It Displayed Total count of Diseased patients ,Total user count whose Hydroxyurea status is 1 and total count of Blood Transfusion .

By user filter a user can filter data by Health Facility, Facility Type and Disease type

The screenshot shows the 'National Sickle Cell Anaemia Elimination Mission' Treatment Dashboard. The interface includes a sidebar with navigation options: 'shivani treatment', 'Treatment', 'Treatment\_dashboard', and 'Lost Followup'. The main content area features a header with 'HOME' and 'BACK' buttons, and a set of filters for 'State' (CHHATTISGARH), 'District' (KONDAGAON), 'Health Facility Type' (dropdown), and 'Health Facility' (DH KONDAGAON RAVINDRA TAGORE(111)). Below the filters, there are three data cards: 'Total Diseased' (473) with a sub-breakdown of 7 'In Treatment' (1.48%) and 466 'Not in Treatment' (98.52%); 'In Hydroxyurea' (0); and 'Total Blood Transfusion' (5). The footer contains 'Digital India' branding, a disclaimer about website maintenance by the Ministry of Health and Family Welfare, and the date '11/6/2024'.

## 6. Treatment

By clicking on the Treatment Menu a user is redirected to the patient listing page

1. Displays a list of patients associated with the logged-in user's assigned region. For example, if the logged-in user is mapped to the state of Chhattisgarh, district Balod, and the health facility PHC Amadula, then only the patients registered under PHC Amadula will be displayed .
2. Any Patient details can be searched by entering sickle id , abha id or mobile number in a given search box.

SEARCH PATIENTS

Facility Incharge Patients

SR	SICKLE ID	ABHA ID	STATE NAME	DISTRICT NAME	PATIENT NAME	GENDER	MOBILE	SON/DAUGHTER/WIFE OF	ADDRESS	LAST VISIT	DOB	ACTION
1	8483749		CHHATTISGARH	BALOD	Shanti	F	7803836671	Lalit	Jagtara Balod Balod	2024-11-07		<input type="button" value="PROCEED TO TREATMENT"/>
2	8489001		CHHATTISGARH	BALOD	Yogesh	M	7869118799	Ranveer Singh	Pandey para ward no. 6 Balod Balod			<input type="button" value="PROCEED TO TREATMENT"/>
3	8633061		CHHATTISGARH	BALOD	Tij Bai Arendra	F	9754740916	Uday Ram	Siwani Balod Balod			<input type="button" value="PROCEED TO TREATMENT"/>
4	8652983		CHHATTISGARH	BALOD	Shivam	M	7489947903	Gamlesh Kumar	Dewarbhat Balod Balod			<input type="button" value="PROCEED TO TREATMENT"/>
5	8653014		CHHATTISGARH	BALOD	Khileshwari	M	6268970259	Chhmeshwari	Bhengari Balod Balod			<input type="button" value="PROCEED TO TREATMENT"/>
6	8668189		CHHATTISGARH	BALOD	Chanchal Thakur	F	9630381182	Santosh Thakur	Lomora Balod Balod			<input type="button" value="PROCEED TO TREATMENT"/>

By clicking on proceed to Treatment Button corresponding to each patient a new window will open with basic details of Patient Autofill.

**Personal details:**

VIEW PREVIOUS HISTORY

Name	Gender	Mobile	Blood Group
santram	M	7723061190	notknown
DOB	Current Age		
Age	41Yrs 4Months 15Days		

SAVE AND NEXT

**Note:**Please Click on Final submit button to Create Your visit

1. User can update any patient Mobile number, Blood Group and DOB as per requirement
2. In the current Age column , Age of patient has been calculated automatically as per their already entered record . This Field is non-editable
3. If the user wants to update or verify any field ( Mobile , DOB , Blood group) then click on the verify button once the field is updated or verified then the button will be disabled and the user cannot update or verify again . It is a single time process. So make sure only valid data will be updated or verified.
4. Once the user does the required changes then click on save and NEXT and all other Tabs are accessible to the user .
5. Users can fill details of Lab Investigation , Medicine, Blood transfusion or vaccination details as per the requirement.

## 6.1 Lab Investigation

By clicking on Lab investigation a following page has been displayed.

The screenshot shows a web application interface for a 'Lab investigation report'. At the top, there is a navigation bar with tabs: 'Personal details', 'Lab investigation report' (which is highlighted), 'Medicine', 'Blood Transfusion', 'Vaccination', 'Preview', and 'FINAL SUBMIT'. Below the navigation bar, the 'Lab investigation report' section is displayed. It features a green title bar with the text 'Lab investigation report'. To the right of this title bar is a blue button labeled 'VIEW PREVIOUS LAB HISTORY'. The main form area contains several input fields: 'Test Name\*' (a dropdown menu with 'Select Test'), 'Select Result\*' (a dropdown menu with 'Select'), 'Sample collection Date\*' (a date picker with 'Select Test Date'), 'Result Date\*' (a date picker with 'Select Result Date'), and 'HF Type\*' (a dropdown menu with 'Primary Health'). Below these fields is an 'HF name\*' section with a dropdown menu showing 'PHC Amadula(8)', a green '+' button, and a green 'DONE' button. At the bottom of the form is a blue 'SAVE & NEXT' button. Below the form is a table header with six columns: 'TEST NAME', 'TEST RESULT', 'SAMPLE DATE', 'RESULT DATE', 'HF TYPE', and 'HF NAME'.

**Note:**Please Click on Final submit button to Create Your visit

Steps to follow :

1. Select Test name from the dropdown : CBC, LFT, RFT (only one test can be selected once only)
2. Select result corresponding to the test
3. Select Sample collection date from the calendar
4. Select Result Date
5. Select HF type , If user want to change otherwise its autofill as per the logged in user facility
6. Also Select the HF corresponding to HF Type otherwise it is autofilled
7. By filled all the fields in row , user will click on DONE button
8. After click on done button ,user can click on + add button if user wants to add more test details
9. By click on previous history button on upper right corner , will popup the current details that has been saved on current date

## 6.2. Medicine

By clicking on Medicine tab , following screen will appear

The screenshot displays the 'Medicine' tab interface. At the top, there is a navigation bar with tabs: 'Personal details', 'Lab investigation report', 'Medicine' (highlighted), 'Blood Transfusion', 'Vaccination', 'Preview', and 'FINAL SUBMIT'. Below the navigation bar, the 'Medicine' section is enclosed in a green border. It features a 'VIEW PREVIOUS MEDICINE HISTORY' button in the top right. The main form area includes four dropdown menus for 'HF Type Prescribed\*', 'HF Name Prescribed\*', 'HF Type Dispensed\*', and 'HF Name Dispensed\*', each with a value selected (e.g., 'Primary Health Centre' and 'PHC Amadula(8713637646)'). Below these is a table for adding medicine details with columns: 'Drug Name\*' (dropdown), 'Qty Prescribed\*' (text input), 'Qty Dispensed\*' (text input), 'Date Prescribed\*' (text input), and 'Date Dispensed\*' (text input). A green '+' button and a green 'DONE' button are located below the table. At the bottom of the form is a blue 'SAVE & NEXT' button. Below the form is a table header with columns: 'DRUG NAME', 'QTY PRESCRIBED', 'QTY DISPENSED', 'DATE PRESCRIBED', and 'DATE DISPENSED'.

**Note:**Please Click on Final submit button to Create Your visit

Steps to follow :

**Upto 5 Rows can be added , that means users can add 5 medicine details .**

1. Choose drug from the list of dropdown (*Once the drug chosen cannot be choose again*)
2. Quantity Prescribed and Quantity Dispensed are corresponding to each other . Value entered in Qty Prescribed can also auto fill in Qty Dispensed.( *Qty dispensed value cannot be greater than qty prescribed*)
3. Date prescribed and Date dispensed are also corresponding to each other . Date Prescribed date will also auto fill in date dispensed (*Date dispensed cannot be greater than date prescribed*)
4. By clicking on Done Button ,the filled details are displayed in the below table.
5. Once data entered in a row and user presses done and + add button then that row cannot be editable .
6. You can only remove the row by clicking on the minus button

### 6.3. Blood Transfusion

By clicking on the Blood transfusion tab user can details of the patient Blood Transfusion if any

The screenshot shows a navigation bar with tabs: Personal details, Lab investigation report, Medicine, Blood Transfusion (selected), Vaccination, Preview, and FINAL SUBMIT. Below the navigation bar is a form titled "Blood Transfusion". The form contains a "VIEW PREVIOUS BLOOD TRANSFUSION HISTORY" button. The main form area has three fields: "Date of blood Transfusion\*" with a date picker, "HF Type\*" with a dropdown menu showing "Primary Health Centre", and "HF Name\*" with a dropdown menu showing "PHC Amadula(8713637646)". A "SAVE & NEXT" button is located at the bottom of the form.

**Note:**Please Click on Final submit button to Create Your visit

Steps to follow :

1. Select Blood transfusion date
2. Select HF type if user want to change
3. Select HF corresponding to HF type
4. By clicking on save and next it will save the records

## 6.4.Vaccination

By clicking on Vaccination tab , Details related to vaccination can be added

The screenshot shows a web application interface for adding vaccination details. At the top, there is a navigation bar with tabs: Personal details, Lab investigation report, Medicine, Blood Transfusion, Vaccination (highlighted), Preview, and FINAL SUBMIT. Below the navigation bar, the Vaccination form is displayed. It features a 'Vaccination' header and a 'VIEW PREVIOUS VACCINE HISTORY' button. The form contains the following fields:

- Vaccine Name\* (dropdown menu with 'Select Vaccine')
- Dose\* (dropdown menu with 'Select Dose')
- Date of Vaccination\* (calendar icon and 'Select Date')
- Health Facility Type\* (dropdown menu with 'Primary Health Centre')
- Vaccine center Name\* (dropdown menu with 'PHC Amadula(8713637646)')
- Next vaccine Date\* (calendar icon and 'Select Next vaccination Date')

A 'SAVE & NEXT' button is located at the bottom center of the form.

**Note:**Please Click on Final submit button to Create Your visit

Steps to Follow :

1. Select vaccination name from the given list of vaccinations
2. Select Dose either its DOSE1 or DOSE2
3. Choose Date of vaccination
4. Once the date of vaccination is selected then it automatically fills the next vaccination date .

**NOTE:** Next vaccination date should be next 56 days from the date of vaccination

## 6.5 Preview

By clicking on the preview button all details which you have saved will be displayed. Users can Also download the details as pdf.

The screenshot shows the 'National Sickle Cell Disease Control Programme' web application. The user is logged in as 'Testing New user - Doctor' in 'ANDHRA PRADESH - ANANTAPUR - Kristipadu'. The main content area is titled 'Final Preview' and contains the following information:

**Personal details:**  
 Dr: Testing New user  
 Designation: teter  
 Mob. No.: 9888962429  
 Primary Health Centre: Kristipadu

**Patient Details:**  
 Sickle ID : 329675  
 Name : Shivani  
 Gender : F  
 Mobile : 9888962429  
 DOB : 1993-11-13  
 Blood group : B+  
 Address : House No- 1767, Kumhar Mohalla, Near Dev Samaj College, Sector- 45 B, Burail, Chandigarh, Chandigarh

**Medicine Details:**

Sickle Id	Visit	Drug Name	Dose	Body Weight	Date of Administration	Qty Dispensed	Facility name
No data Available							

The footer contains the Digital India logo and text: 'Website contents are being maintained by Ministry of Health and Family Welfare, Government of India and data is being managed by respective State. Website has been designed, developed, maintained and hosted by National Informatics Centre (NIC)'. The NIC logo is also present on the right side of the footer.

## 6.6 FINAL SUBMIT

By clicking on the final submit , Your details have been **Permanently** saved to the database and your visit has been created .

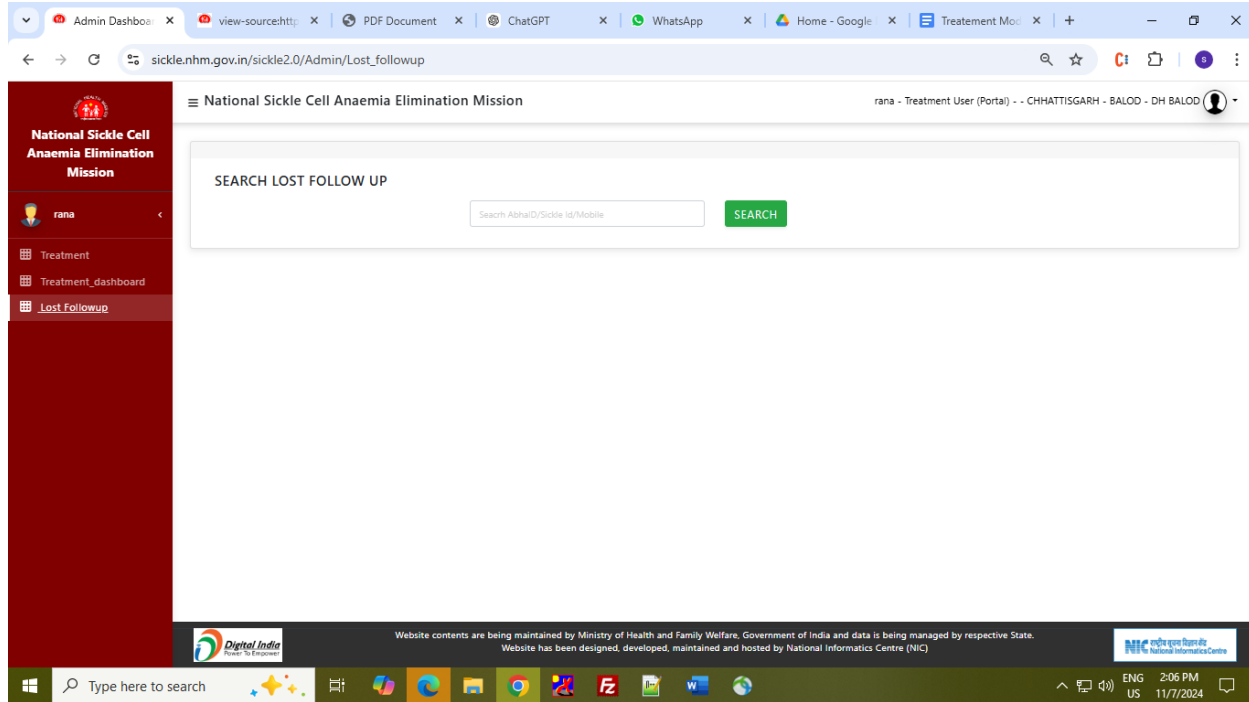
**Note : If the user does not click on the Final Submit Button or leaves the page without clicking on the submit button, the user details have not been saved. A popup will be displayed whether you want to save the changes or leave it without saving .**

## 7.Lost Followup

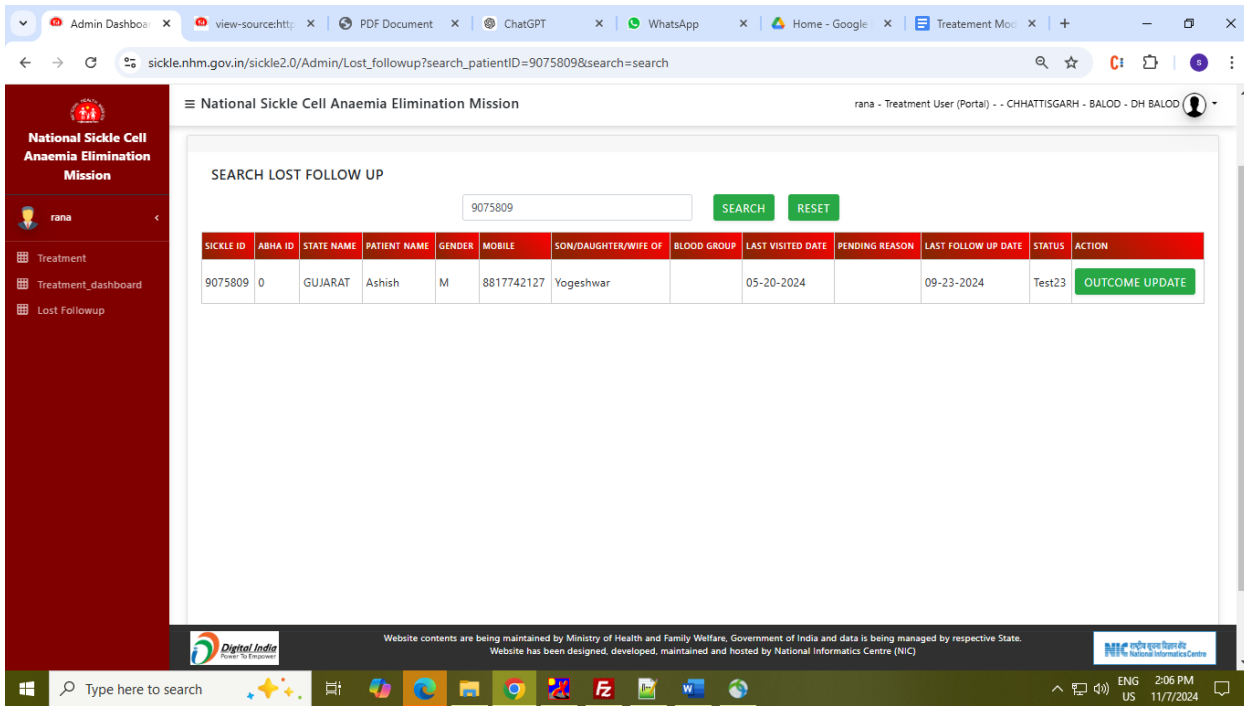
**Note: It will show records who is not active from Last 3 Months**

### 7.1 Search Records

By clicking on the lost follow Up Menu, A new Window will be displayed with search input.

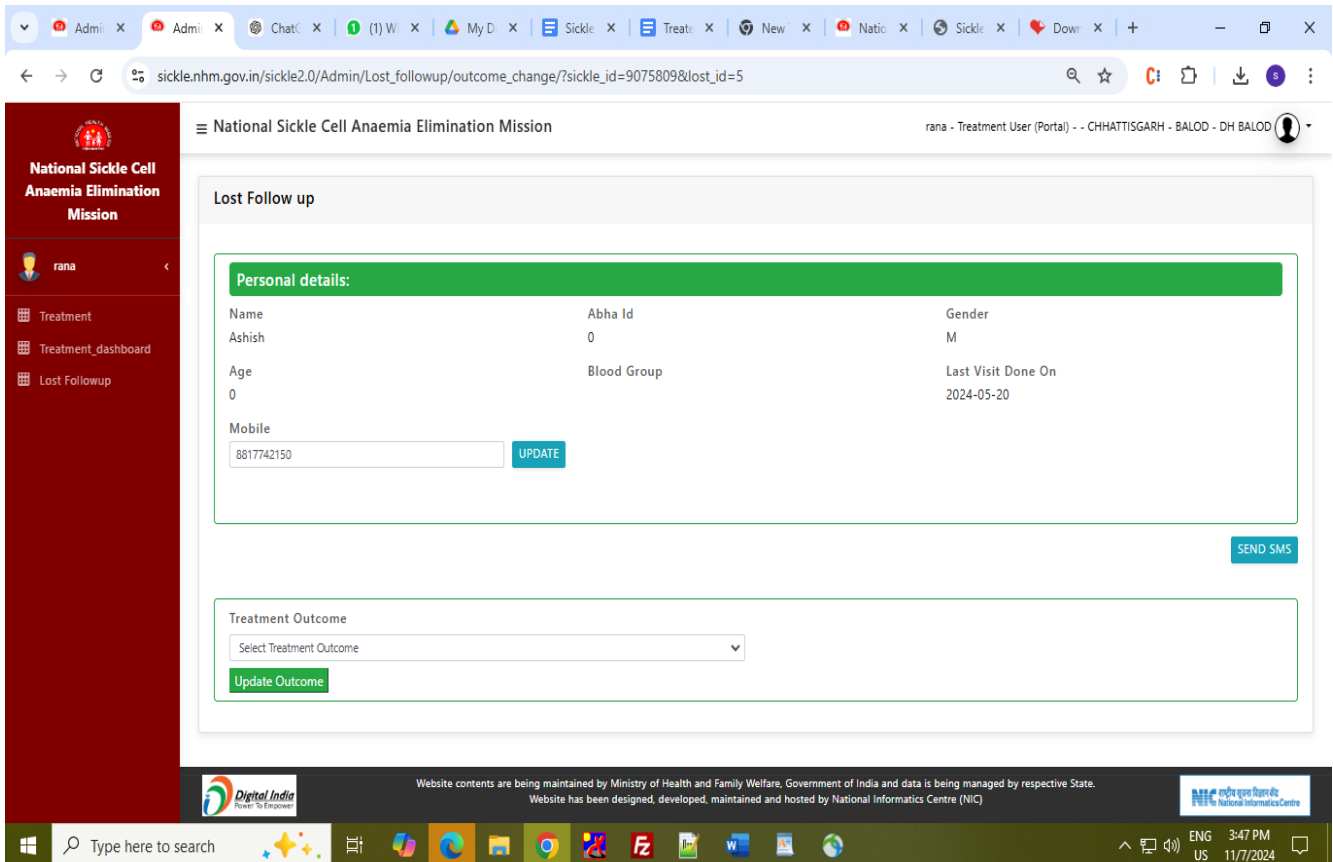


1. Users can search any sickle id /Abha Id or Mobile Number by filling the entry In the given text Box and clicking onSearch button .
2. It will display list of user with given sickle id/abha id or mobile number



## 7.2. Outcome

By click on Outcome Update a New window will display



## Steps to Follow:

1. Users can update Mobile numbers if required .
2. Users can also update Treatment Outcome . There are three option which user can select from the dropdown:
3. Die

3.1.1. If Die is chosen then its record will be removed from the records.

The screenshot displays the 'National Sickle Cell Anaemia Elimination Mission' web portal. The user is logged in as 'rana - Treatment User (Portal)'. The page shows a patient record for 'Ashish' with the following details:

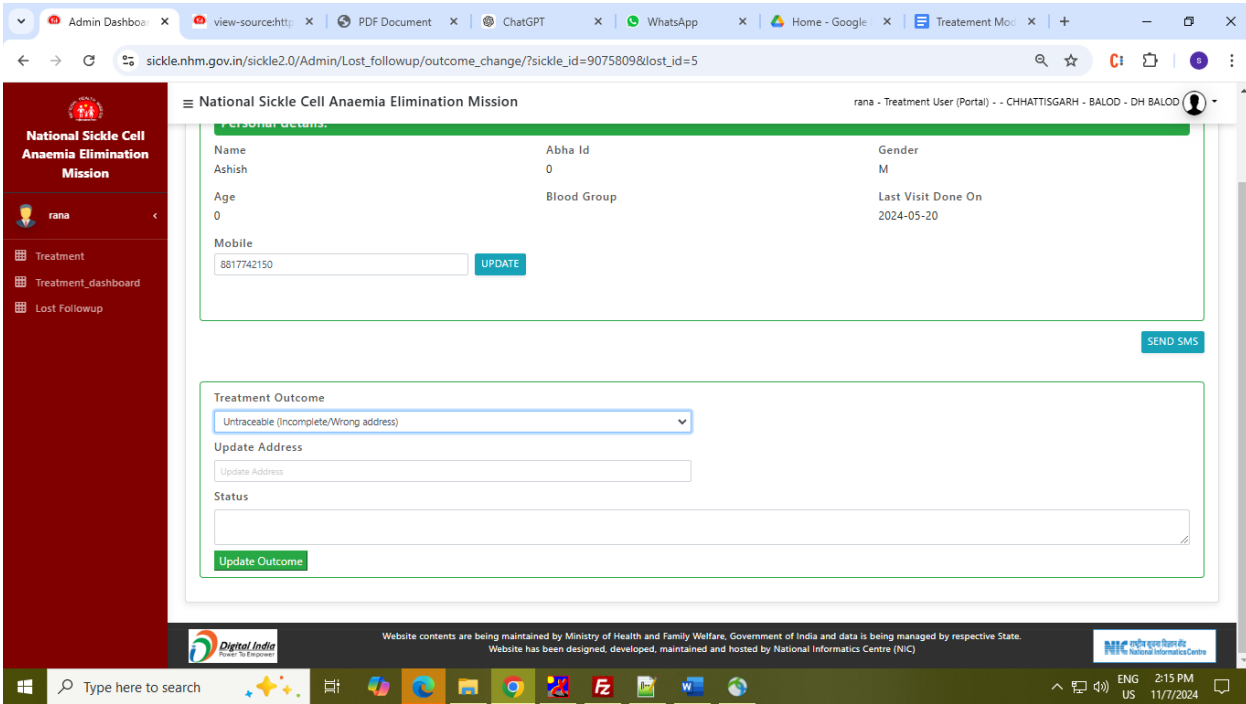
PERSONAL DETAILS		
Name	Abha Id	Gender
Ashish	0	M
Age	Blood Group	Last Visit Done On
0		2024-05-20
Mobile	<input type="text" value="8817742150"/> <input type="button" value="UPDATE"/>	
<input type="button" value="SEND SMS"/>		

Below the patient details, the 'Treatment Outcome' dropdown is set to 'Died'. There are also fields for 'Death Date' and 'Death Certificate No.', and an 'Update Outcome' button.

At the bottom of the page, there is a footer with the text: 'Website contents are being maintained by Ministry of Health and Family Welfare, Government of India and data is being managed by respective State. Website has been designed, developed, maintained and hosted by National Informatics Centre (NIC)'. The Windows taskbar at the bottom shows the date as 11/7/2024 and time as 2:14 PM.

## 4. Untraceable(Incomplete/Wrong Address)

4.1.1 If this option is selected then user can update or change the address



### 5. Untraceable(Migrated to another State )

5.1.1.If this option is selected then user can update the new state where patient has been migrated

