

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.

National Sickle Cell Disease Control Programme:

To address this serious issue of Sickle Cell Disease and to prevent morbidity, mortality and reduce prevalence rate, '*National Sickle Cell Disease Control Programme*' has been proposed and is being launched in 17 states and UTs where this disease is most common.

Under this programme, NIC has developed following software:

- Web Application/portal
- Common API to migrate state existing data
- Mobile Application

AAdministrative Information

| | |
|------------|---|
| App Name | Sickle Cell |
| Department | National Health Mission, Ministry of Health and Family Welfare, GoI |
| Sector | Health |
| Category | G2G |
| Coverage | All Government Health Facilities in India |
| Developer | National Informatics Centre |

Technical Details

| | |
|-------------------------------|---|
| Back-end Office Application | https://sickle.nhm.gov.in/sickle2.0/ |
| Platform | Android |
| Size | 15 MB |
| Language | English |
| Last Update | 18-March-2023 |
| User Authentication | Required, through Mobile number and OTP of associated Health Facility In-charge |
| Auto Alerts | Yes, through SMS and in app |
| Special Permissions | Camera |
| Internet Requirement | Required. But app will work offline also after successful login while connected. |
| Associated Parent website URL | https://sickle.nhm.gov.in/sickle2.0/ |

2. User Creation

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

The screenshot shows the 'Add User' form in the National Sickle Cell Anaemia Elimination Mission Admin Dashboard. The form is titled 'Add User' and includes a note: 'Note: * All fields are required'. The form fields are as follows:

| Field | Value |
|-------------------------|------------------------------|
| 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

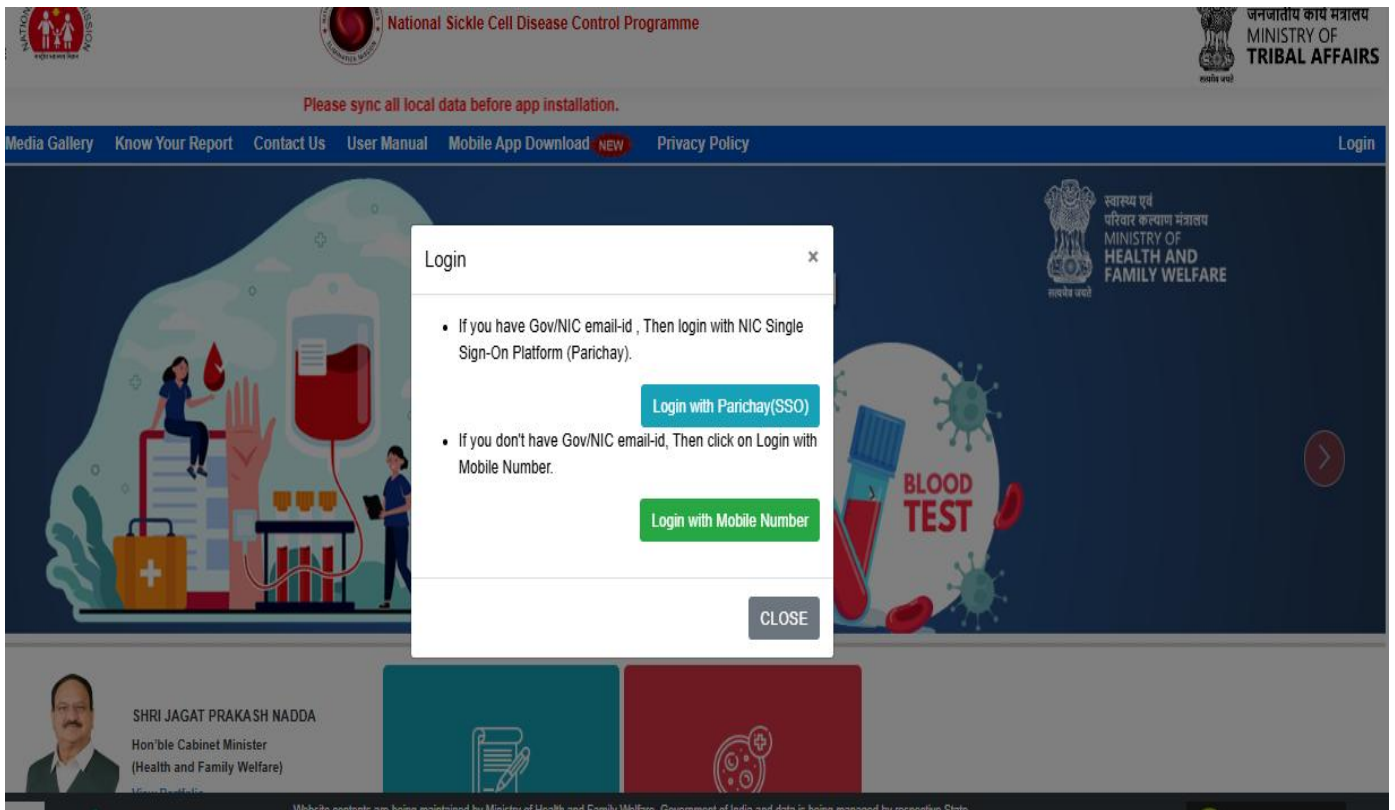
Treatment Module Login Process

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



3.2. Choose Login With Mobile Number

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

Admi x php x Treati x What x Fwd: x Centr x Chat x Inbo x Hom x Untit x scrni x +

sickle.nhm.gov.in/sickle_pre_pod/MobileLogin

स्वास्थ्य एवं परिवार कल्याण मंत्रालय
MINISTRY OF HEALTH AND FAMILY WELFARE

NATIONAL HEALTH MISSION
जनजातीय कार्य मंत्रालय
MINISTRY OF TRIBAL AFFAIRS

ENTER MOBILE NUMBER
ELIMINATION MISSION

Enter Mobile Number

Enter Captcha

P
X 903H

Captcha code

Send OTP

[Back to Home](#)

Website has been designed, developed, maintained and hosted by National Informatics Centre (NIC)

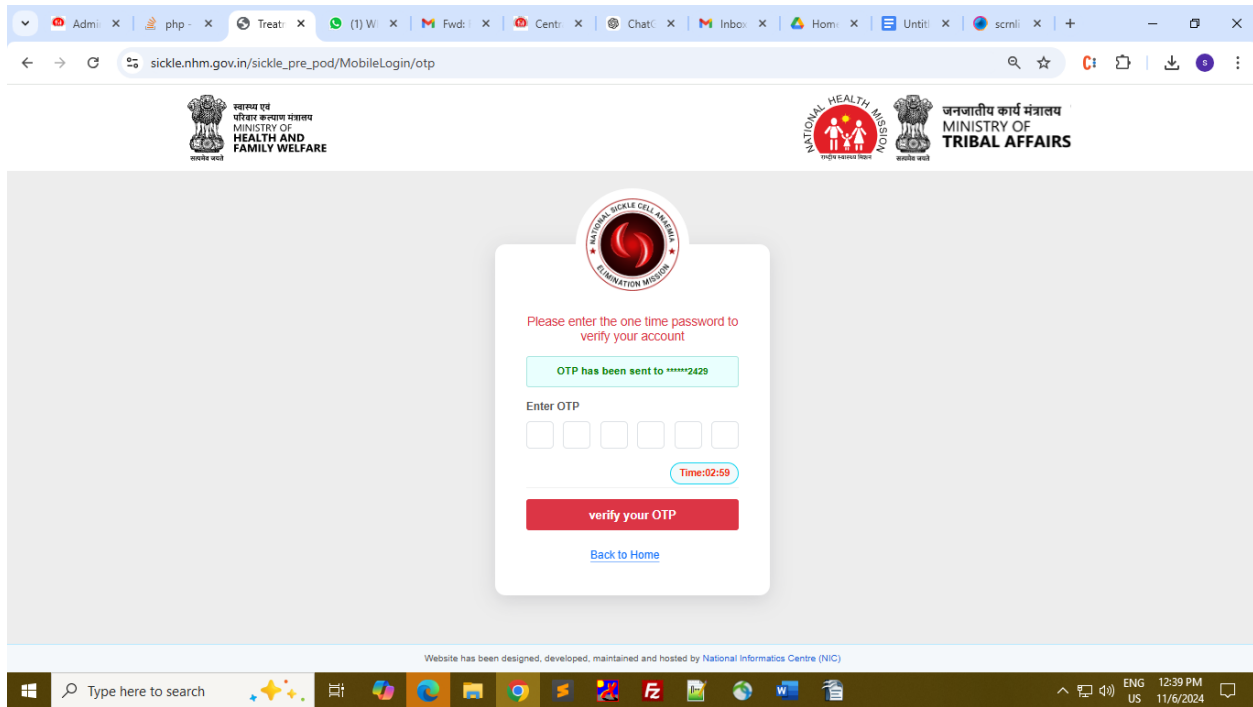
Type here to search

ENG 12:36 PM
US 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

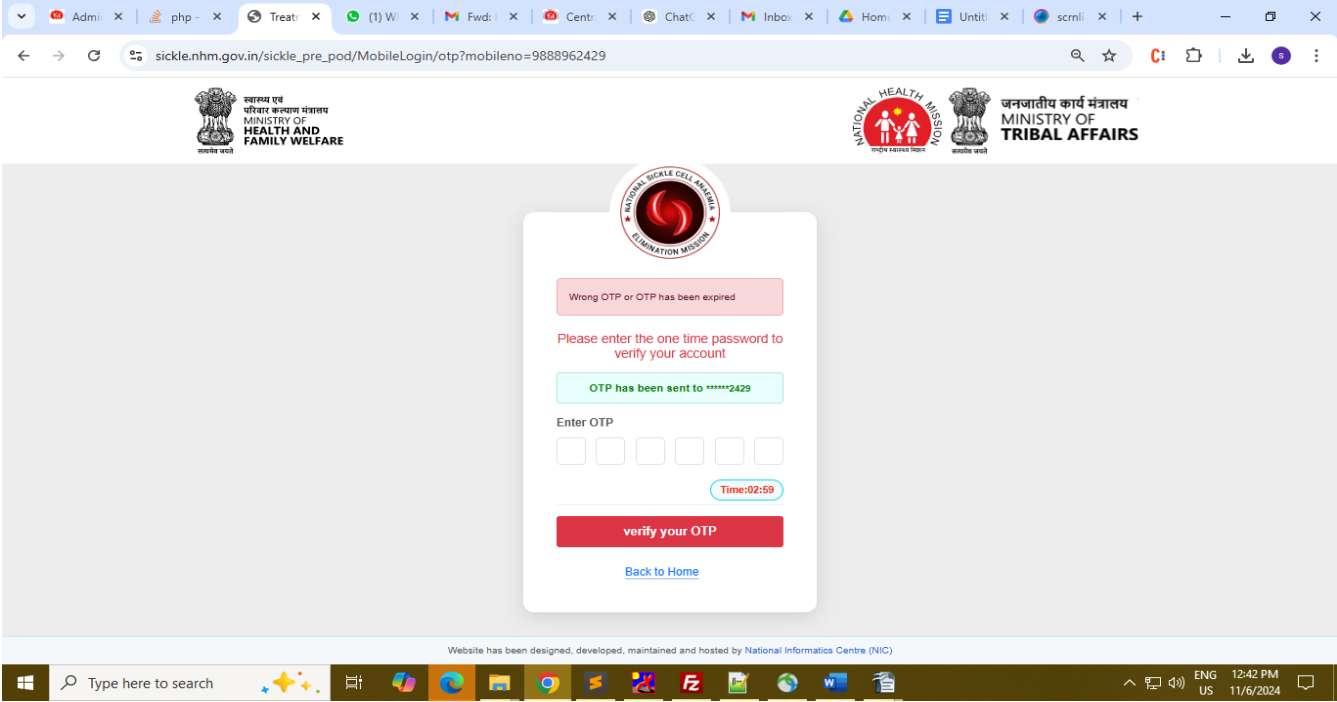
3.3 OTP Window

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



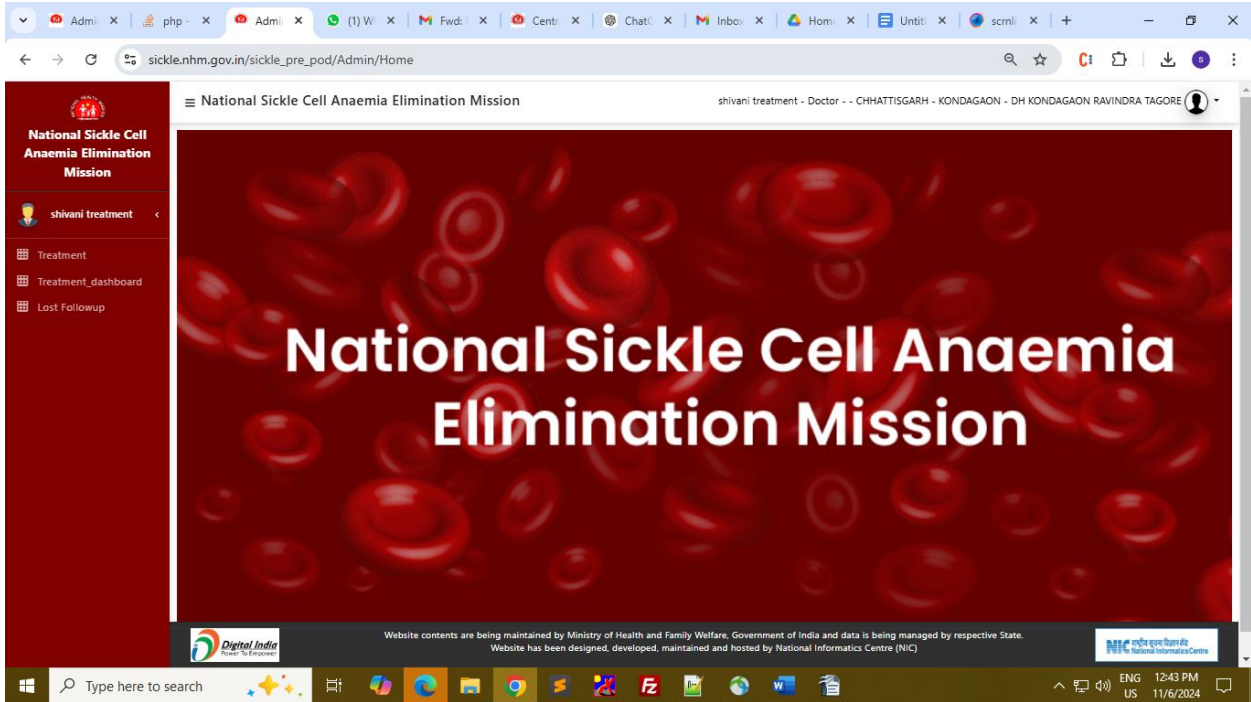
3.3.1 Error Message

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.



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 like 'shivani treatment', 'Treatment', 'Treatment_dashboard', and 'Lost Followup'. The main content area features filter dropdowns for State (CHHATTISGARH), District (KONDAGAON), Health Facility Type, and Health Facility (DH KONDAGAON RAVINDRA TAGORE(111)). Below the filters, three summary cards are displayed: 'Total Diseased' (473), 'In Hydroxyurea' (0), and 'Total Blood Transfusion' (5). A detailed view of 'Total Diseased' shows a bar chart with 7 'In Treatment' (1.48%) and 466 'Not in Treatment' (98.52%). The footer contains 'Digital India' branding and a disclaimer about website maintenance by the Ministry of Health and Family Welfare, Government of India.

6. Treatment

By clicking on the Treatment Menu a user will redirect to a list of all patients .

1. It Displays a list of all patients who lie under logged in user state .For example: If the user belongs to state chhattisgarh then it will display all list of patients under Chhattisgarh .
2. By enter any sickle id , abha id or mobile number user can search the patient

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 | | PROCEED TO TREATMENT |
| 2 | 8489001 | | CHHATTISGARH | BALOD | Yogesh | M | 7869118799 | Ranveer Singh | Pandey para ward no. 6 Balod Balod | | | PROCEED TO TREATMENT |
| 3 | 8633061 | | CHHATTISGARH | BALOD | Tij Bai Arendra | F | 9754740916 | Uday Ram | Siwani Balod Balod | | | PROCEED TO TREATMENT |
| 4 | 8652983 | | CHHATTISGARH | BALOD | Shivam | M | 7489947903 | Gamlesh Kumar | Dewarbhat Balod Balod | | | PROCEED TO TREATMENT |
| 5 | 8653014 | | CHHATTISGARH | BALOD | Khileshwari | M | 6268970259 | Chhmeshwari | Bhengari Balod Balod | | | PROCEED TO TREATMENT |
| 6 | 8668189 | | CHHATTISGARH | BALOD | Chanchal Thakur | F | 9630381182 | Santosh Thakur | Lomora Balod Balod | | | 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.

The screenshot shows a web interface for patient management. At the top, there are six tabs: 'Personal details' (selected), 'Lab investigation report', 'Medicine', 'Blood Transfusion', 'Vaccination', and 'Preview'. Below the tabs is a form titled 'Personal details:'. The form contains the following fields and buttons:

- Name:** Text input field containing 'Shanti'.
- Gender:** Text input field containing 'F'.
- Mobile:** Text input field containing '7803836671' with a 'VERIFY' button to its right.
- Blood Group:** A dropdown menu with 'Select' and a downward arrow, with a 'VERIFY' button to its right.
- DOB:** A text input field with 'Age' and a 'VERIFY' button to its right.
- Current Age:** A text input field containing '41Yrs 0Months 17Days'.
- VIEW PREVIOUS HISTORY:** A blue button located in the top right corner of the form area.
- SAVE AND NEXT:** A blue button located at the bottom center of the form area.

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. When any field is updated then click on the verify button a column has been updated in our Database.
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 displays the National Sickle Cell Anaemia Elimination Mission web application. The page title is "National Sickle Cell Anaemia Elimination Mission" and the user is logged in as "shivani treatment - Doctor - CHHATTISGARH - KONDAGAON - DH KONDAGAON RAVINDRA TAGORE". The main navigation menu includes "Personal details", "Lab investigation report", "Medicine", "Blood Transfusion", "Vaccination", and "Preview". The "Lab investigation report" form is active and contains the following fields:

- Test Name* (dropdown menu)
- Select Result* (dropdown menu)
- Sample collection Date* (calendar)
- Result Date* (calendar)
- HF Type* (dropdown menu)
- HF name* (dropdown menu)

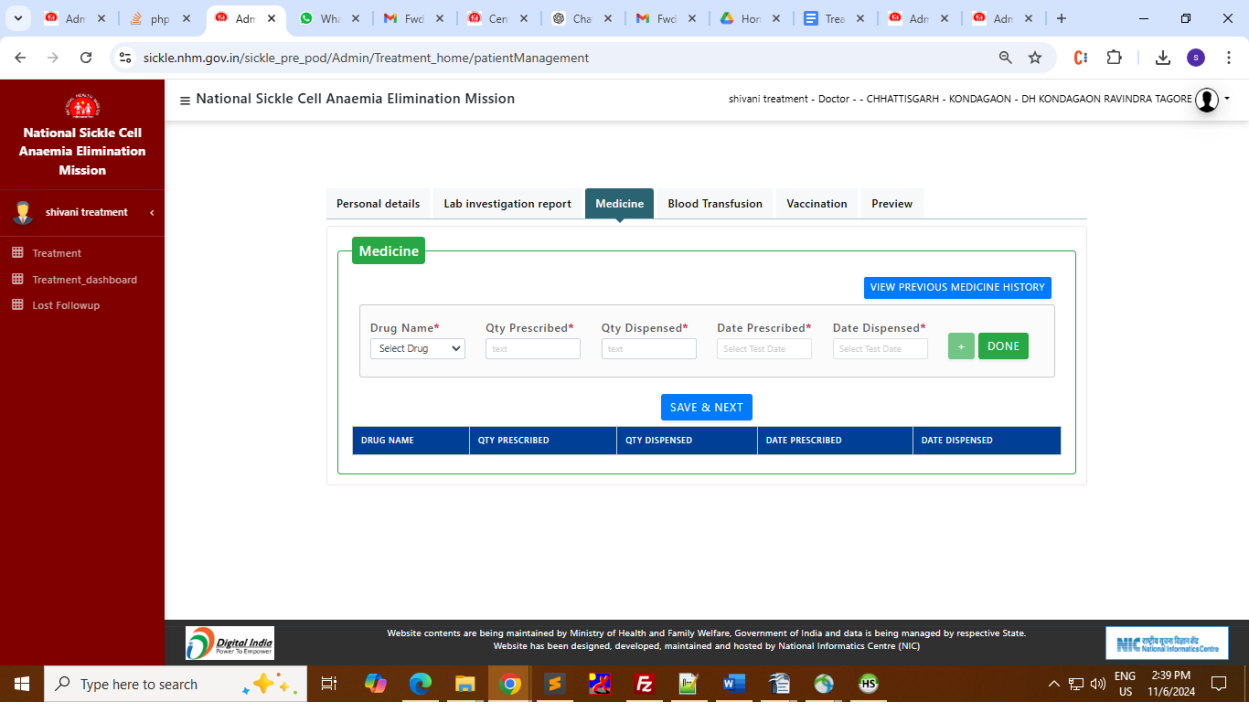
Buttons include "VIEW PREVIOUS LAB HISTORY", "DONE", and "SAVE & NEXT". Below the form is a table with the following columns: TEST NAME, TEST RESULT, SAMPLE DATE, RESULT DATE, HF TYPE, and HF NAME.

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 one 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



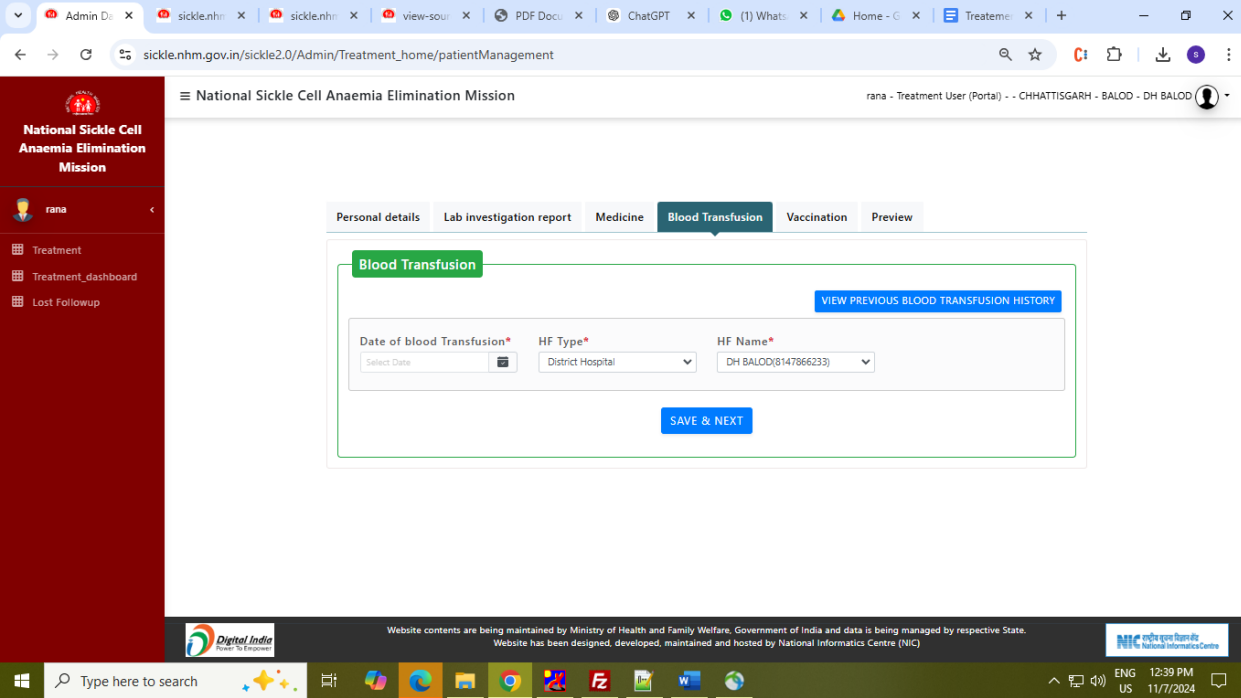
Steps to follow :

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 click 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



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 the National Sickle Cell Anaemia Elimination Mission web portal. The user is logged in as 'rana - Treatment User (Portal)'. The 'Vaccination' tab is selected, and the form contains the following fields:

- Vaccine Name***: Select Vaccine (dropdown)
- Dose***: Select Dose (dropdown)
- Date of Vaccination***: Select Date (calendar icon)
- Health Facility Type***: District Hospital (dropdown)
- Vaccine center Name***: DH BALOD(8147866233) (dropdown)
- Next vaccine Date***: Select Next vaccination Date (calendar icon)

A 'VIEW PREVIOUS VACCINE HISTORY' button is located at the top right of the form, and a 'SAVE & NEXT' button is at the bottom center. The footer of the page includes the Digital India logo and a disclaimer: '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)'.

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
 - a.

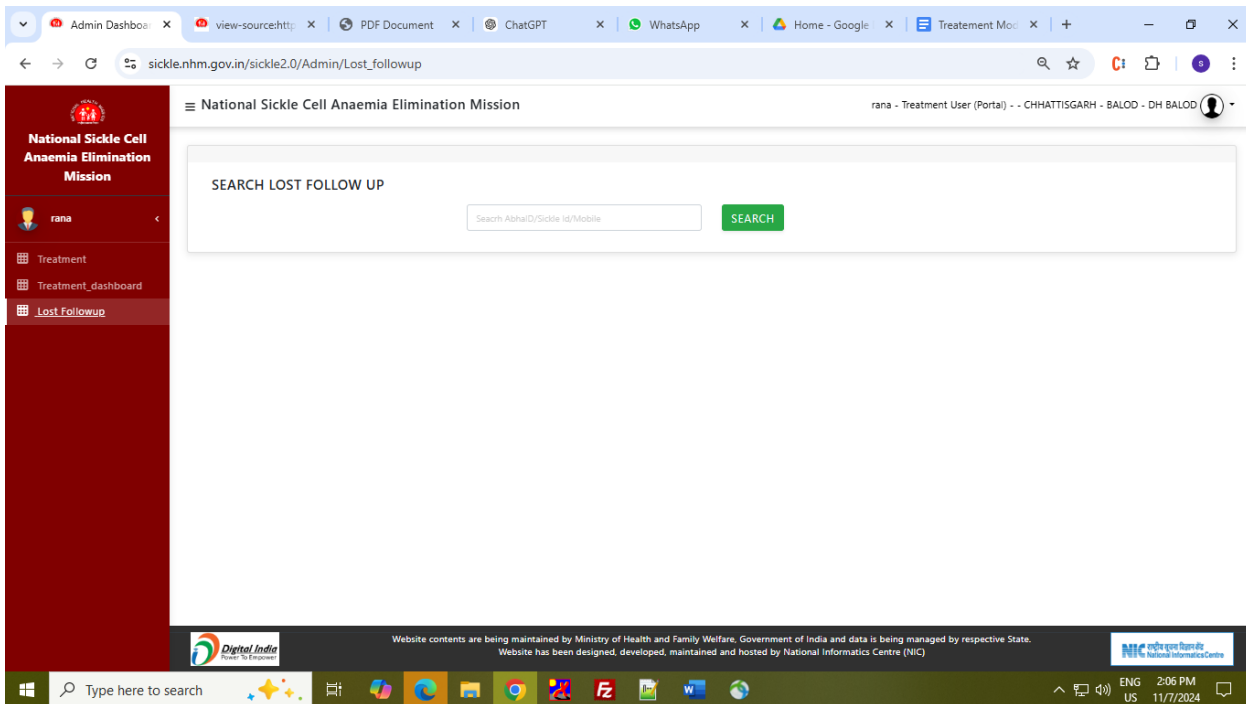
By clicking on the Preview button all data that has been filled in all tabs will be displayed . Users can download it as a PDF document if required .

7.Lost Followup

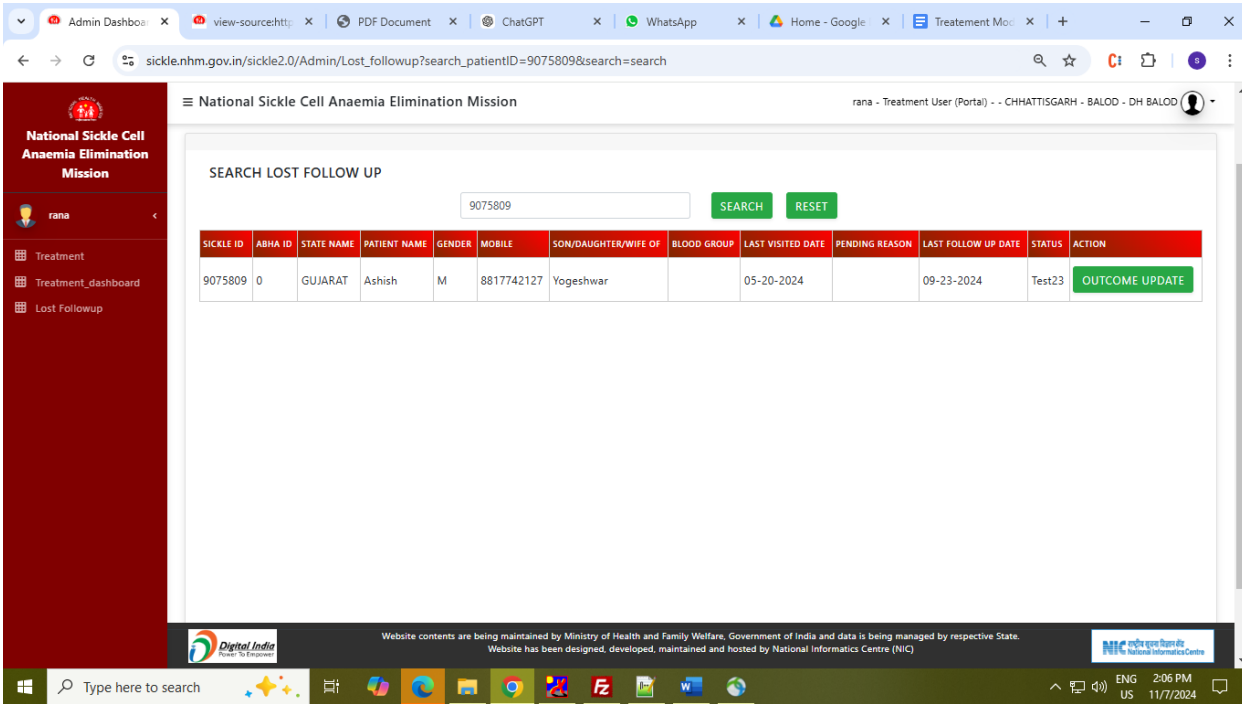
Note: It will show records who is not active from Last 3 Months

7.1 Search Records

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

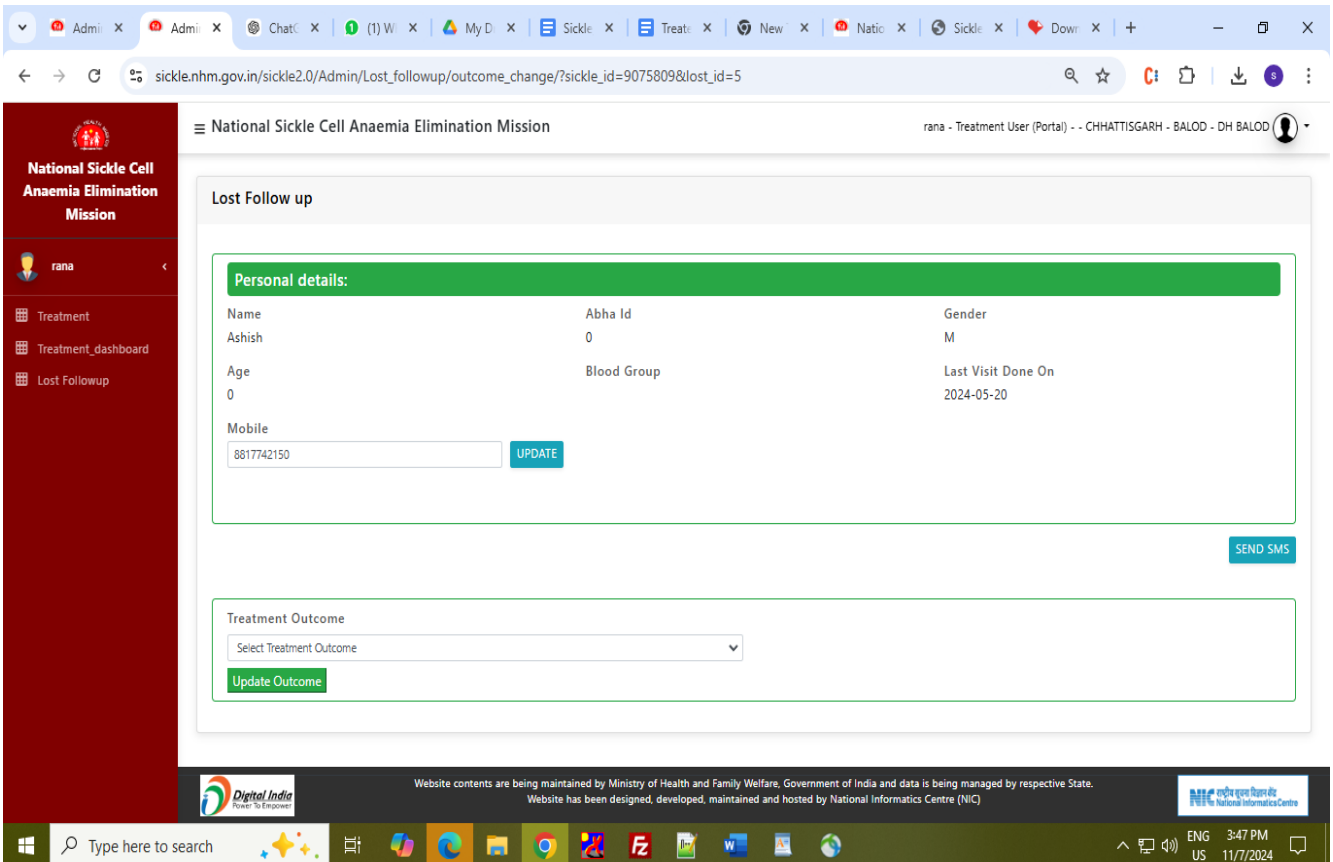


1. Users can search any sickle id /Abha Id or Mobile Number by filling the entry In the given text Box and clicking onSearch button .
2. It will display list of user with given sickle id/abha id or mobile number



7.2. Outcome

By click on Outcome Update a New window will display



Steps to Follow:

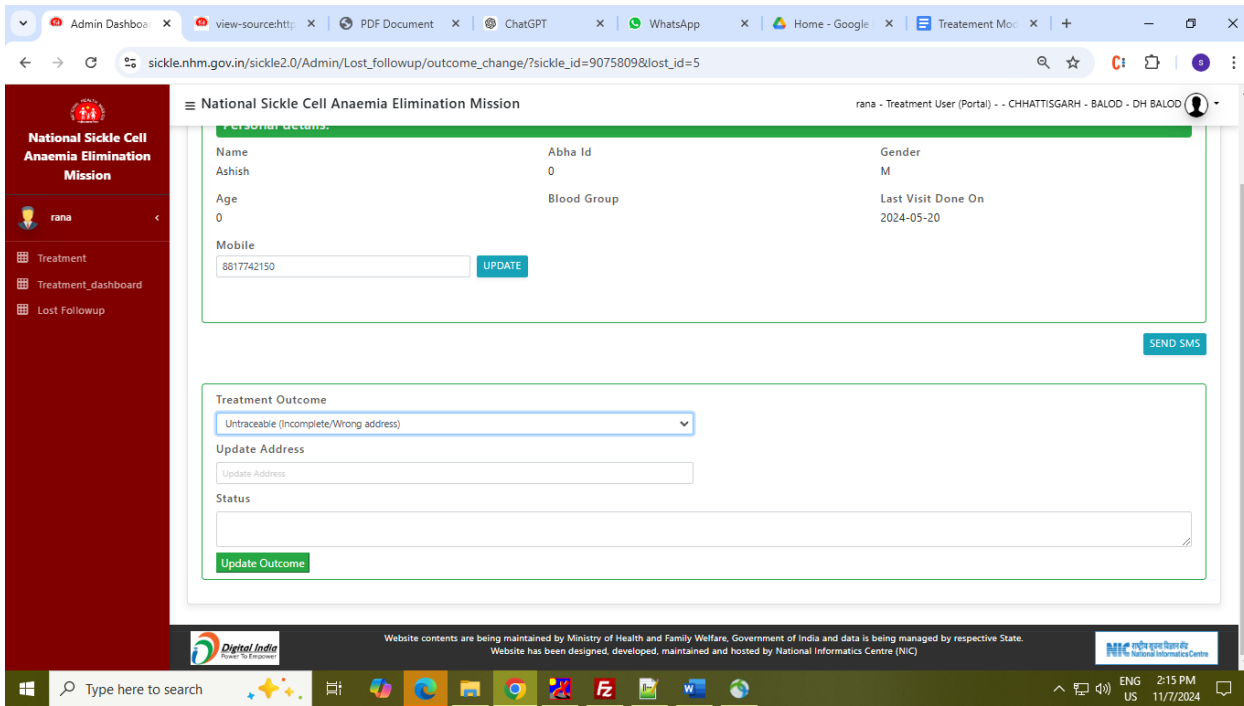
1. Users can update Mobile number if required .
2. Users can also update Treatment Outcome . There are three option which user can select from the dropdown:
3. Die

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

The screenshot shows a web browser window displaying the National Sickle Cell Anaemia Elimination Mission portal. The user is logged in as 'rana - Treatment User (Portal)'. The page title is 'National Sickle Cell Anaemia Elimination Mission'. The left sidebar contains navigation options: 'Treatment', 'Treatment_dashboard', and 'Lost Followup'. The main content area shows the 'Personal Details' of a patient named Ashish, with fields for Name, Abha Id, Gender, Age, Blood Group, and Last Visit Done On. The 'Mobile' field contains the number 8817742150 and has an 'UPDATE' button. Below this is a 'SEND SMS' button. The 'Treatment Outcome' section has a dropdown menu currently set to 'Died'. There are also fields for 'Death Date', 'Death Certificate No.', and a text area for 'Status'. An 'Update Outcome' button is located at the bottom of this section. The footer contains the 'Digital India' logo and text indicating the website is maintained by the Ministry of Health and Family Welfare, Government of India.

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

