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

Administrative 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.

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
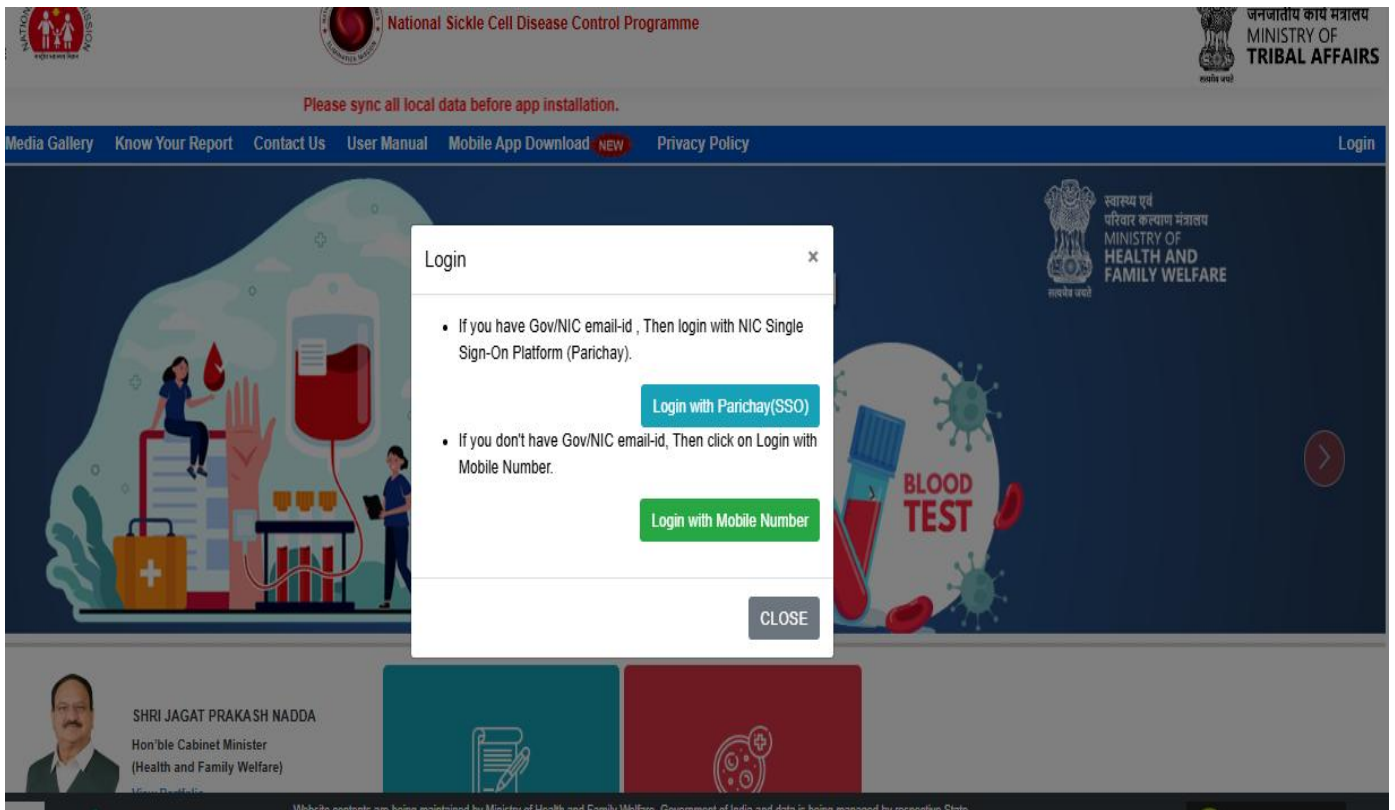5. Click on save

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 .

- 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
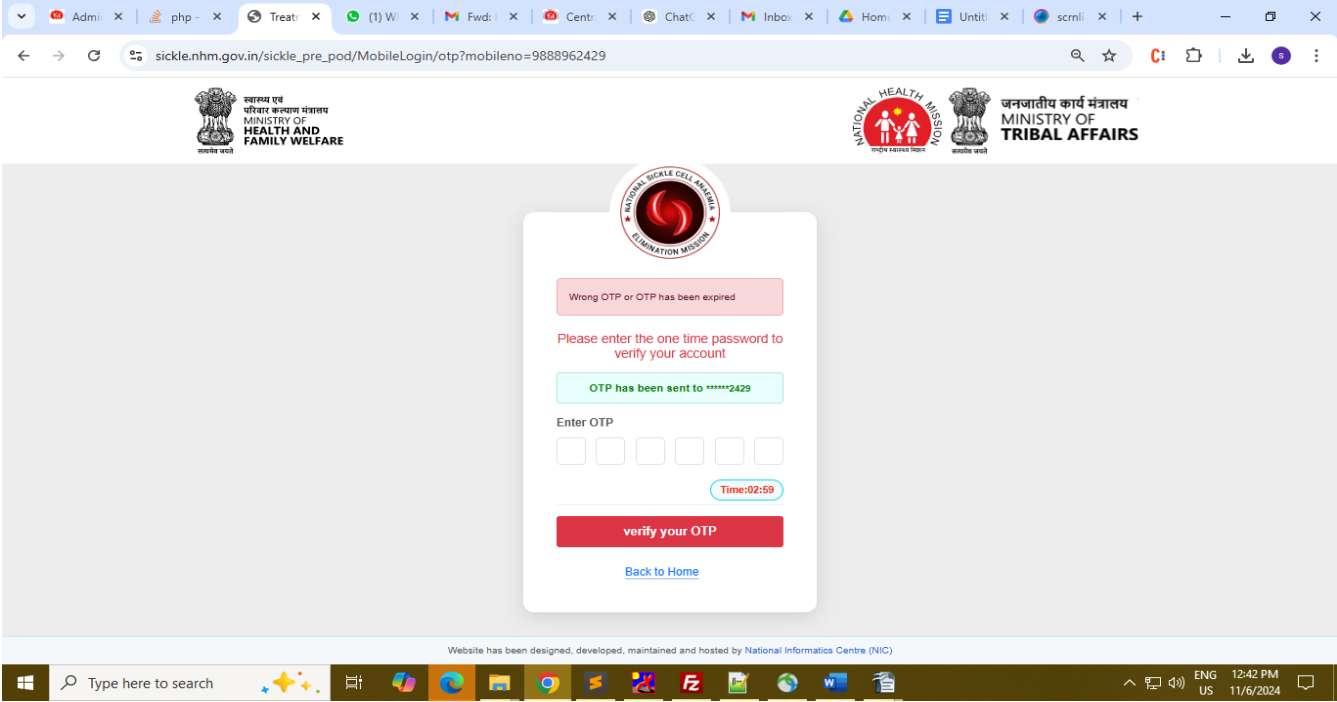
3.3 OTP Window

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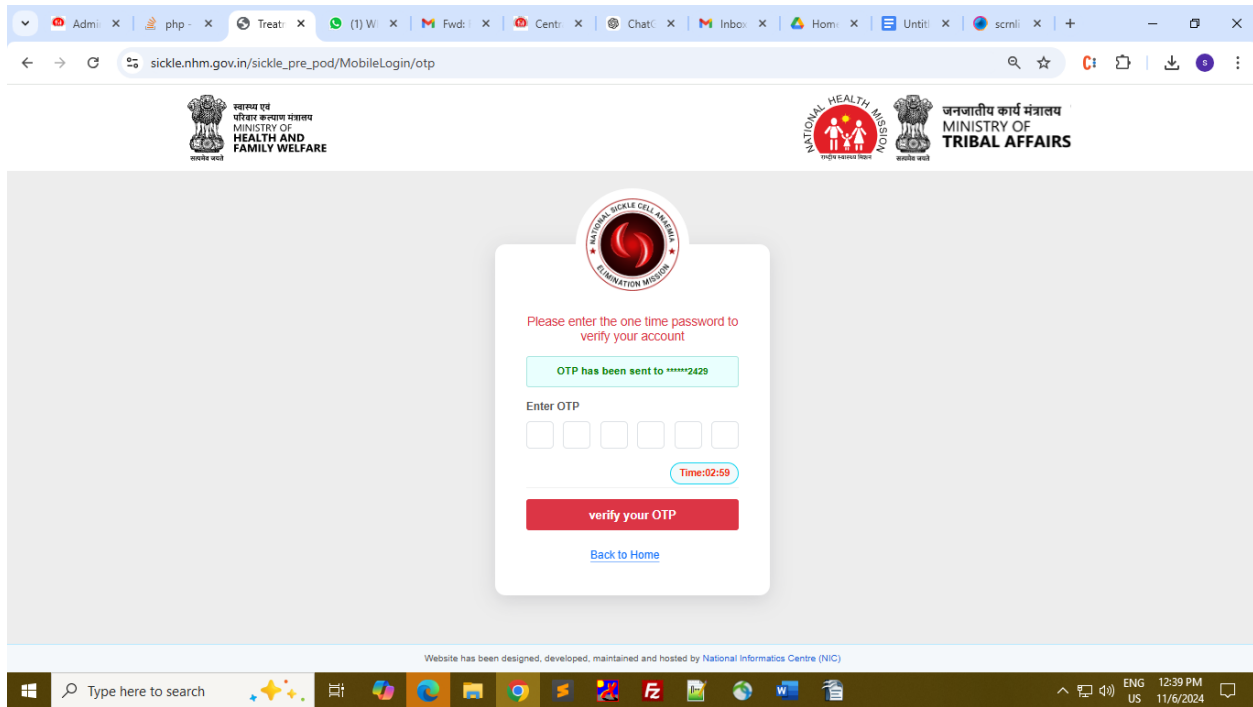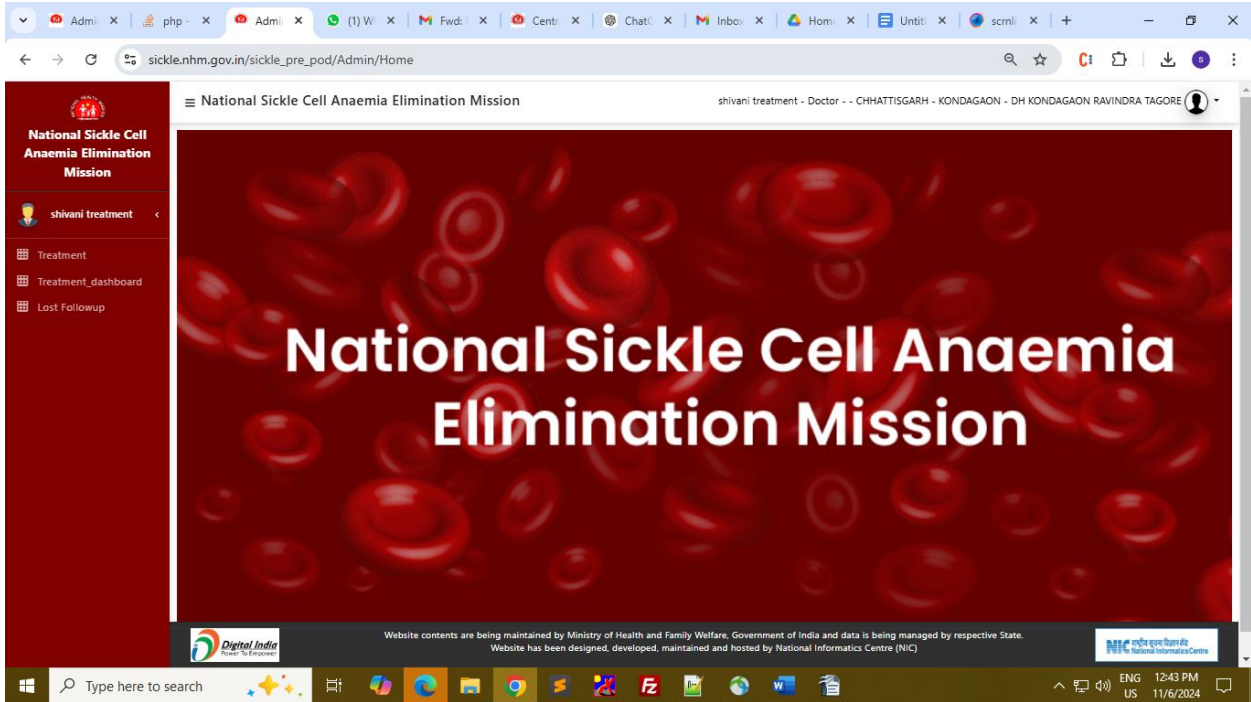

3.3.1 Error Message

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

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

Searh AbhaID/Sickle Id/Mobile

SEARCH

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.

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.

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
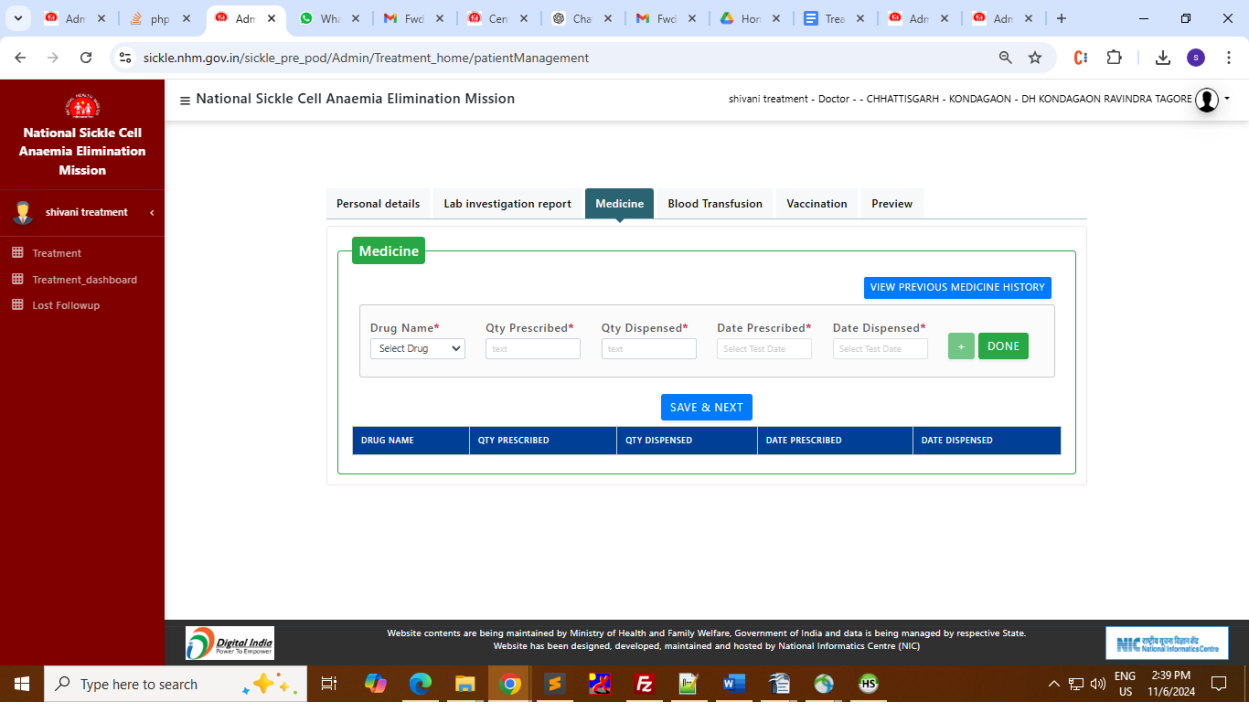
Steps to follow :

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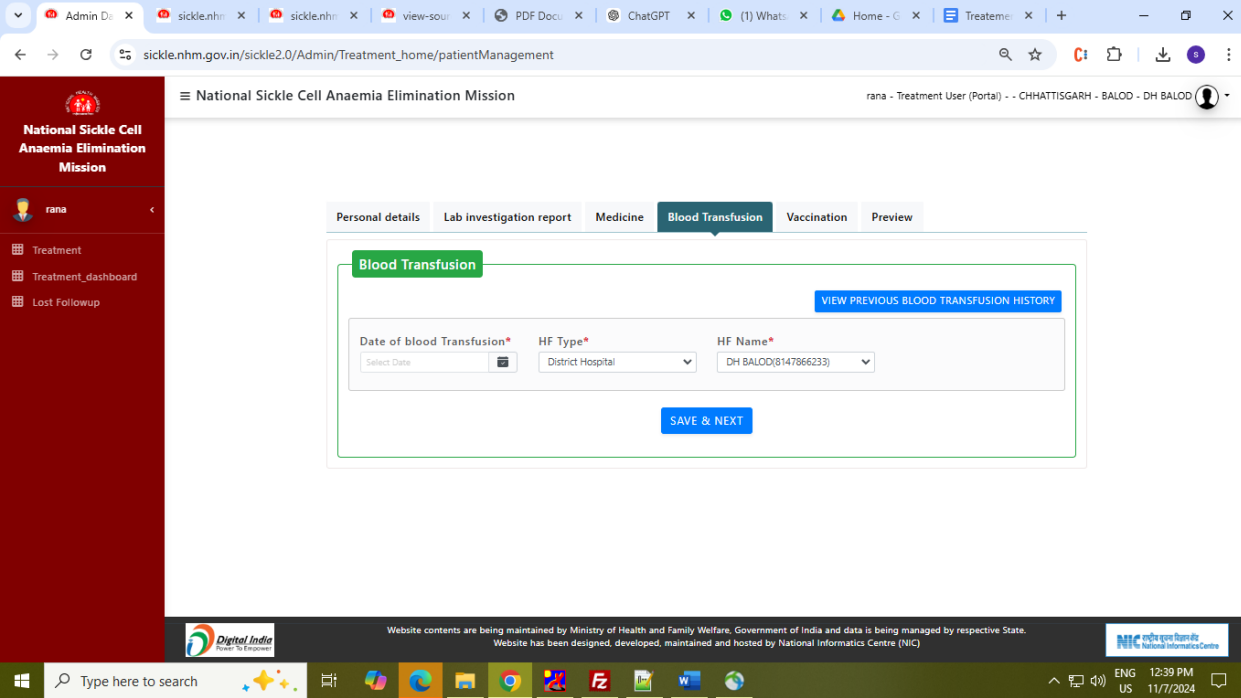
Steps to follow :
1. Select Blood transfusion date
2. Select HF type if user want to change
3. Select HF corresponding to HF type
4. By clicking on save and next it will save the records

6.4.Vaccination

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

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
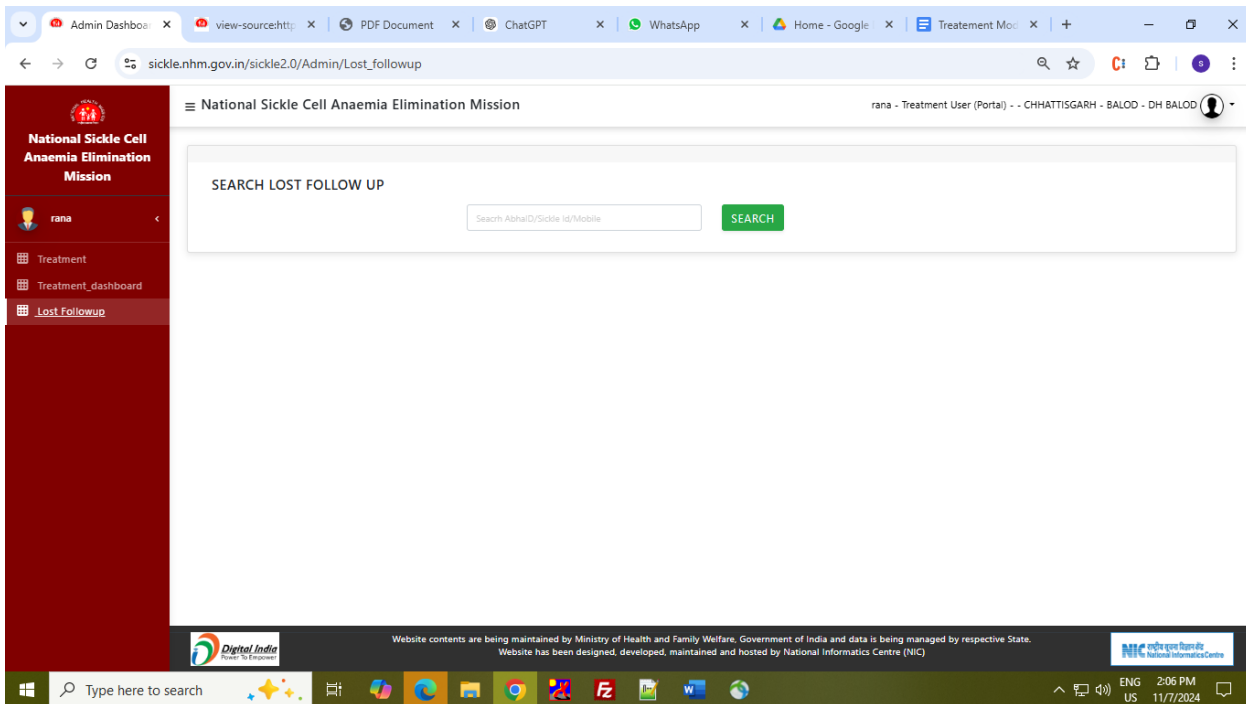   a.

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

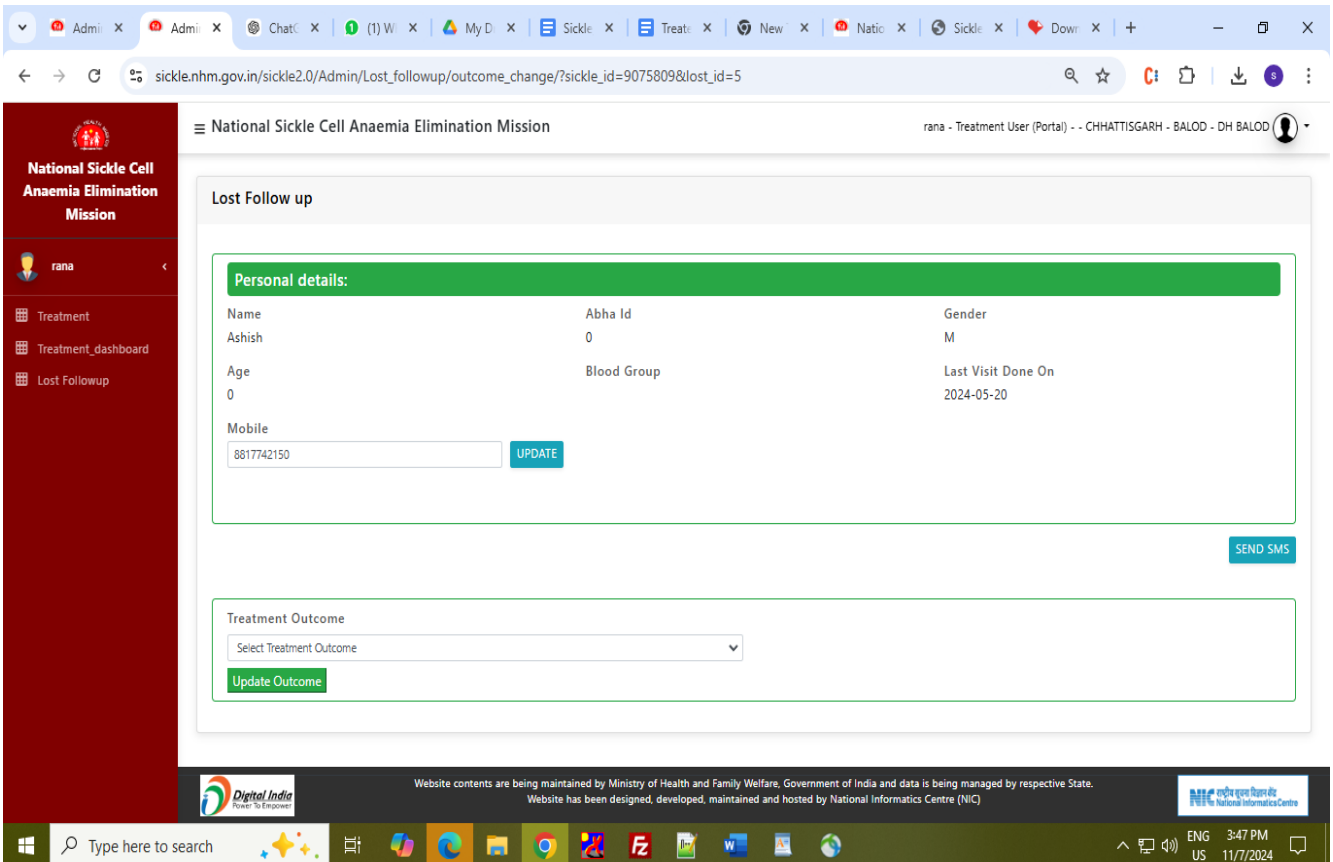By clicking on the lost follow Up Menu, A new Window will be displayed with search input.

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
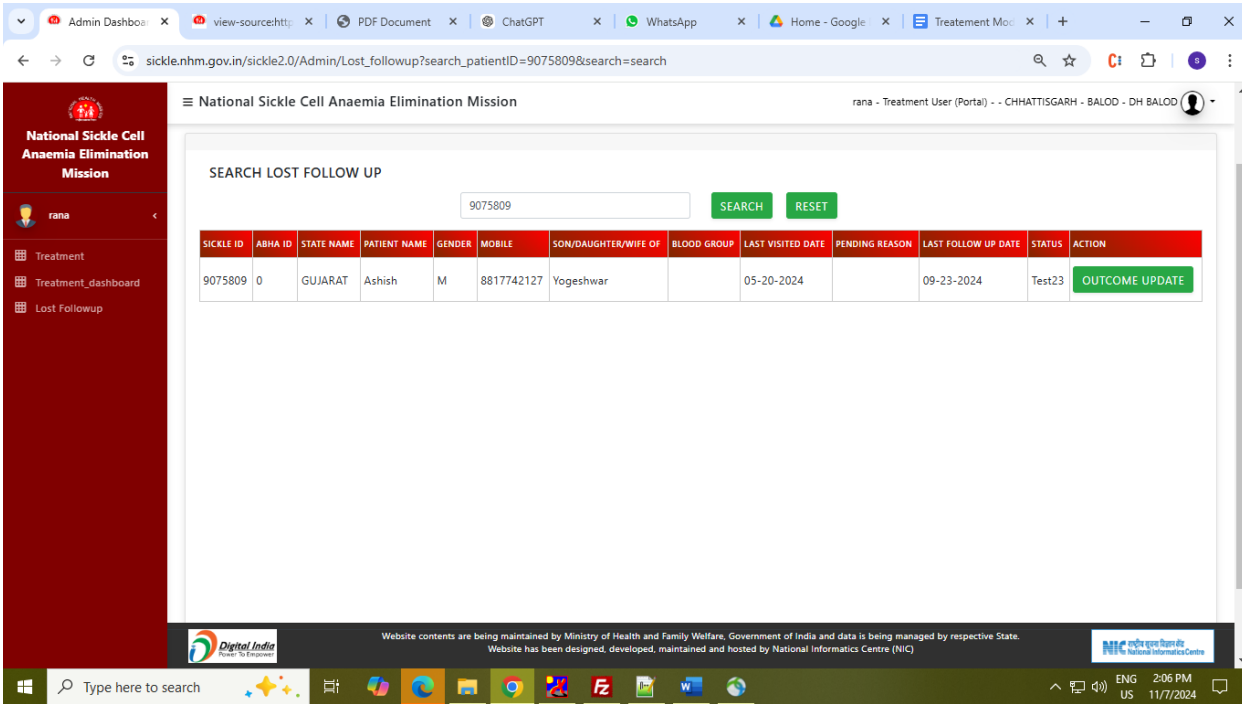
7.2. Outcome

By click on Outcome Update a New window will display
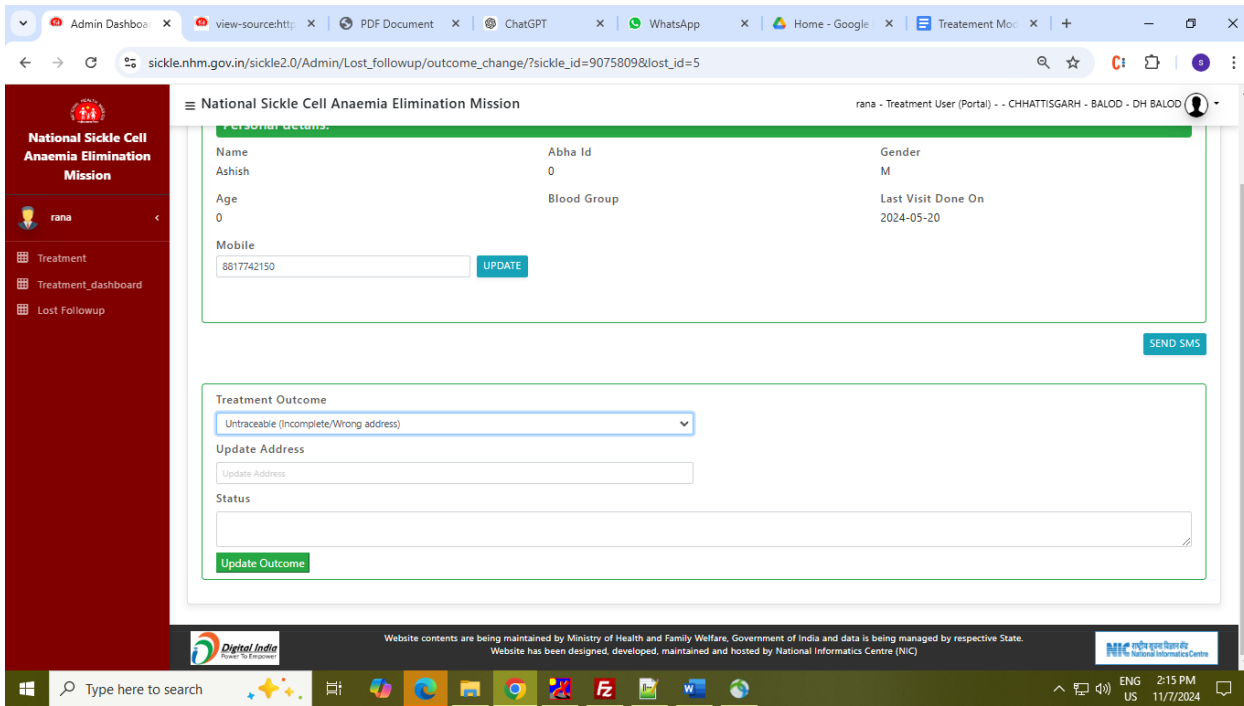
Steps to Follow:

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.

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