

**An e-Booklet on**  
**IT Initiatives of National Health**  
**Mission**



सत्यमेव जयते

**Ministry of Health and Family Welfare**  
**Government of India**



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# Introduction

The emphasis of the National Health Mission is on establishing a fully functional, community owned, decentralized health delivery system. The main programmatic components of NHM include Health System Strengthening, Reproductive – Maternal - Neonatal - Child & Adolescent Health (RMNCH+A), and Communicable and Non-Communicable Diseases. The NHM envisages achievement of universal access to equitable, affordable & quality health care services that are accountable and responsive to people’s needs.

A large number of health programs are operational under the Mission and along with them a pool of IT applications are functional under the digital health ecosystem. These IT applications have been designed and rolled-out at different times using different technologies. However, it was felt that the techno-functional details of such applications are not readily available in a single document or place.

This e-booklet is an effort to consolidate and present an ecosystem of various IT initiatives under the ambit of NHM. The e-Booklet is expected to be a useful repository consisting of key information of ICT interventions and act as a ready reference compendium for all the stakeholders.

The information/data contained herein is made available and verified by respective programme divisions of Ministry of Health and Family Welfare. For further details on these applications, respective programme divisions may be contacted. ePMU Consultant (Deloitte Touche Tohmatsu India LLP) has assisted MoHFW in compilation of data and preparation of this e-Booklet.

# 1. ANM-Online (ANMOL)

[ANMOL - App on Google Play](#)

**Objective:** ANMOL application has been designed to ensure timely tracking of beneficiaries for proper health care and promote family planning methods being adopted by them. This application facilitates to ensure timely delivery of full competent of antenatal, postnatal & delivery services and tracking of children for complete immunization services. Application has been designed to meet the requirements of the RMNCH program by incorporating additional functionality and features of RCH portal.



Application Launch Year: 2016 (V1.0.1)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective & Real time  
**Data Level:** Beneficiary



**Compliance of Standards:** LGD, NIN, e-Gov



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District, Block, Facility, Community workers  
**Training Conducted:** State level



## Key Information

### Major Data Elements:

- Eligible Couple
- Pregnant Women & ANC Services
- Child Birth Registration
- Immunization Services
- VHND Services
- Work-plan for ANM's

### Major KPIs:

- Family Planning Indicators
- Major Health Indicators
- Child Health Indicators
- Critical Indicators
- Immunization Indicators

### Major Reports:

- Registration
- Family Planning
- PW Services
- Delivery Outcomes
- Child Immunization Services

# 1. ANM-Online (ANMOL)

[ANMOL - App on Google Play](#)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Android V5 & above  
Maria DB  
JAVA  
JSON API

**Hosting:** NIC

### Roll-out Status



#### Rolled out in:

- 10 States

### Mobile app and Dashboard



#### Mobile app:

Yes

**App Name:**  
ANMOL

#### Dashboard:

Yes

**Mode of Application Development:** Application developed by agency hired by UNICEF (M/s Dhanush Infonet Pvt Ltd)

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** No

**Authentication Agency:** NA

**Usage of Email/SMS:** No

## Contact Details of Program Division

Shri Nagesh Kumar Singh  
Director, MMP Cell, RCH Division, MoHFW  
406 D, Nirman Bhawan, New Delhi  
Phone: 011-23063968  
E-mail:nagesh.kumarsingh@nic.in

## Key Information

### Major Masters:

- Eligible Couple
- Pregnant Women
- Child Registration

### Data Integration: Received

- RCH Portal

### Data Integration: Shared

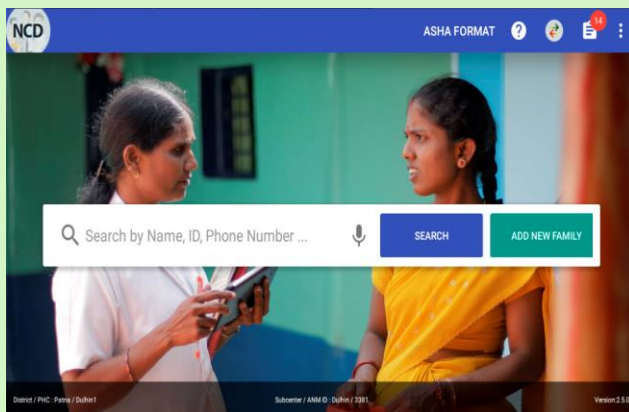
- RCH Portal

## 2. Comprehensive Primary Health Care (CPHC) - NCD application

[www.ncd.nhp.gov.in/](http://www.ncd.nhp.gov.in/)

### Objective:

- To facilitate implement Population Based screening for entire 30+ population for five common NCDs (Hypertension, Diabetes, Oral Cancer, Breast Cancer and Cervical Cancer)
- Enable data availability across different levels of facilities to ensure continuum of care
- Enabling referrals and follow up of individuals who are under treatment



Application Launch Year: 2018

CPHC NCD App Version 2.5.2 and MO portal Version 4.6

### Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Facility & Community



**Compliance of Standards:** In Process



**GIS Reporting:** No  
**BI Tools Usage:** Yes (MYSQL Procedures)



**User Level:** State, District, Block, Facility, Community Workers  
**Training Conducted:** 56200 (As on Oct 22 2020)  
State, District, Block Facility, Community



### Key Information

#### Major Data Elements:

- Enrolment
- CBAC
- Screening
- Examination
- Diagnosis
- Treatment,
- Laboratory
- Drugs
- Investigations
- Follow-up
- Referral

#### Major KPIs:

- Districts using CPHC NCD software
- ANMs using CPHC NCD software
- Active ANM status
- MO's using CPHC NCD software
- Active MO's Status
- Total Tab availability (Tablet vs Users)
- PHC examined
- Population enrolled
- NCD Screenings by ANM
- ANM Referral




#### Major Reports:

- Line list of data for Population above 30 years of age
- Comorbid patients
- Facility wise users for app version updation

## 2. Comprehensive Primary Health Care (CPHC) - NCD application

[www.ncd.nhp.gov.in/](http://www.ncd.nhp.gov.in/)

### Technology, Roll out Status, Mobile App and Dashboard

Technology and Hosting	Roll-out Status	Mobile app and Dashboard
		
<p><b>Technology:</b> UBUNTU, Nginx, TOMCAT, Docker containers, MYSQL, KONG, ProxySQL, Angular6(UI), Android Native app</p> <p><b>Hosting:</b> BSNL</p>	<p><b>Rolled out in:</b></p> <ul style="list-style-type: none"> <li>• 28 States/ UTs</li> <li>• 3 more states in process of onboarding</li> </ul>	<p><b>Mobile app:</b> Yes</p> <p><b>App name:</b> CPHC-NCD app</p> <p><b>Dashboard:</b> Yes <a href="https://ncd.nhp.gov.in/">https://ncd.nhp.gov.in/</a></p>

**Mode of Application Development:** Application developed by internal team provided by Dell

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:**  
NA *(Recent change, being rolled out by first week of November )*

**Usage of Email/SMS:-** Yes

1. Reminders
2. OTP

### Contact Details of Program Division

Dr L. Swasticharan, NCD Division, MoHFW  
Phone: 011-23063537  
E-mail: [swasticharan.l@nic.in](mailto:swasticharan.l@nic.in)

### Key Information

#### Major Reports (continued...):

- Individuals consuming tobacco/ alcohol or suffering from TB.
- Urban/PBS facilities/ HWC break up Reports

#### Major Masters:

- Facility (Source: RCH - LG Directory)
- ANM (Source: RCH)
- ASHA (Source: RCH)
- MO
- DEO
- Staff Nurse(Source: RCH)

#### Data Integration: Received

- RCH for incentives
- HWC for incentives
- Dashboard data from states which use apps developed at states

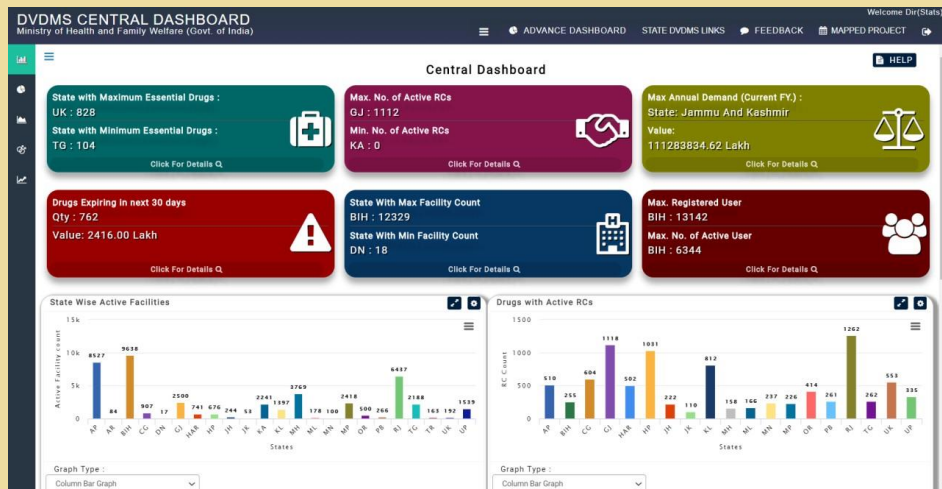
#### Data Integration: Shared

- Central Dashboard

### 3. Drug & Vaccine Distribution Management System (DVDMS) - Central Dashboard

[www.dvdms.in](http://www.dvdms.in)

**Objective:** Provision of free generic drugs through public health facilities is one of the most cost effective way to reduce out of pocket expenditure, particularly for poor and vulnerable groups. Accordingly, MoHFW approved the roll-out of “National Health Mission – Free Drugs”



Application Launch Year: 2017 (V2.0)

#### Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Consolidated



**Compliance of Standards:** NIN, eHR



**GIS Reporting:** No  
**BI Tools Usage:** Yes



**User Level:** State, District, Facility  
**Training Conducted:** State, District, Block, Facility level Users  
700 trained



#### Key Information

##### Major Data Elements:

- Drug
- Facility
- EDL
- Rate Contract
- Demand and Procurement
- Stock Availability
- Stock out Details
- Monthly State Ranking
- Daily State Ranking
- Monthly State Performance

##### Major KPIs:

- Essential Drugs List details
- Rate Contract details
- Drug Mapping details
- Facility type mapping details
- Demand and Procurement
- Stock Availability details
- Stock out Details
- Monthly State Ranking Generation
- Daily State Ranking Generation
- Monthly State Performance
- Coverage details
- Usage details
- COVID Dashboard (for Stock availability details for COVID related EDLs)

##### Major Reports:

- Monthly State Performance
- Monthly State Ranking
- Stock Availability details



### 3. Drug & Vaccine Distribution Management System (DVDMS) - Central Dashboard

[www.dvdms.in](http://www.dvdms.in)

### Key Information

#### Major Reports (contd...):

- Stock out details
- Coverage details
- Usage details
- COVID Dashboard (for Stock availability details for COVID related EDLs)
- Consumption Pattern

#### Major Masters:

- Masters for Drug Hierarchy (Group, Sub Group, Drug Type, Drug Masters)
- Masters for Facility Types (Warehouses, DH, MC, CHC, PHC, UCHC, UPHC, SC etc.
- Job Master
- State Master
- District Master

#### Data Integration: Received

- Andhra, Arunachal, Bihar, Gujarat, Himachal, Jammu & Kashmir, Jharkhand, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Punjab, Rajasthan, Telangana, Uttarakhand, Uttar Pradesh, Chhattisgarh, Dadar& Nagar Haveli, Haryana, Karnataka, Kerala, Odisha, Tripura

#### Data Integration: Shared

- CHI Dashboard
- Health Minister Dashboard
- NitiAyog (Stock out Data)

### Technology, Roll out Status, Mobile App and Dashboard

Technology and Hosting	Roll-out Status	Mobile app and Dashboard
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<p><b>Technology:</b></p> <p>Linux 7.6 Jboss 6 PostgreSQL 9.4 PGAdmin Eclipse</p> <p><b>Hosting:</b> CDAC DC</p>	<p><b>Rolled out in:</b></p> <ul style="list-style-type: none"> <li>• Presently 23 states are onboard</li> </ul>	<p><b>Mobile app:</b> Yes <b>App Name:</b> Central Dashboard</p> <p><b>Dashboard:</b> Yes (upto PHC level) <a href="http://www.dvdms.in">www.dvdms.in</a></p>
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**Mode of Application Development:** Through CDAC, Noida

<b>Aadhaar Captured:</b> No	<b>Data Encryption:</b> Yes (User Credentials)
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<b>Aadhaar Authentication:</b> NA	<b>Authentication Agency:</b> NA
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**Usage of Email/SMS:**  
Email as well as SMS feature is present in DVDMS and Central Dashboard applications. State wise usage as per state's requirements (SMS & email)

### Contact Details of Program Division

Shri Nagesh Kumar Singh  
406 D, Nirman Bhawan, New Delhi  
Phone: 011-23063968 E-mail:nagesh.kumarsingh@nic.in

## 4. Electronic Vaccine Intelligence Network (eVIN)

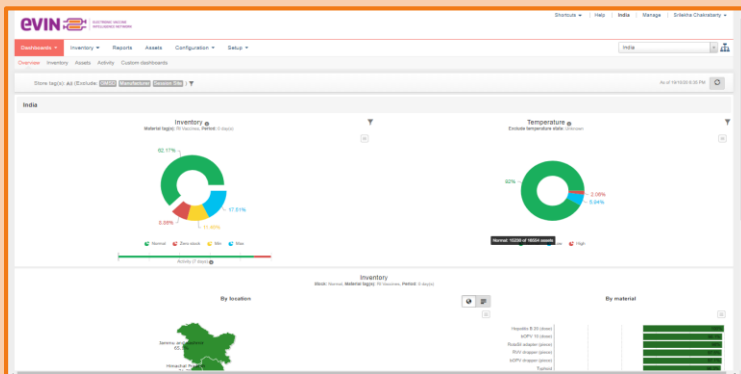
[www.evinonline.in](http://www.evinonline.in)

**Objective:** eVIN is an integrated solution for System Strengthening and Improving Program Governance. The integrated solution combines:

**Technology:** Real-time information on vaccine stocks and storage temperature through the eVIN application and temperature loggers

**Governance:** Efficient vaccine logistics management by systemizing record keeping through standardizing stock & distribution registers which are mapped onto eVIN app

**Human Resources:** Strengthening cold chain network by building capacities of vaccine cold chain managers at each level



Application Launch Year: 2015

### Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Consolidated



**Compliance of Standards:** eHR (Partially)



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** National, Government Medical Store depot, State, District, Block & Facility  
**Training Conducted:** 47000+ CC Handlers Trained, 1300+ batches



### Key Information

#### Major Data Elements:

- User Name
- Facility Name
- Material/Vaccine name
- Asset Type (Cold Chain Equipment and logger)
- Handling unit (no. of doses in a vaccine vial)
- Location type (State, Region, Division, District, Block)

#### Major KPIs:

- Avg. no. of stock-outs occurring per store in a month (level & antigen wise breakdown)
- Avg. no. of inadequate stock instances per store in a month (level & antigen wise breakdown)
- Functional status-wise breakdown of equipment
- % of CCE that have experienced >90% uptime for the duration of the program, by geography
- Number of temperature excursions occurring in a- broken down by type (cold alarm and hot alarm), manufacturer and model and level in all "working" equipment's which are not due to power availability
- Average duration for which CCEs were in unknown status per day
- % of CCH that logged in at least once every week in the month
- % of Cold chain points that entered issues for Routine Immunization vaccines every week

## 4. Electronic Vaccine Intelligence Network (eVIN)

[www.evinonline.in](http://www.evinonline.in)

### Key Information

#### Major KPIs (cont...):

- Average number of doses of stock which was transferred from State to Regional and Regional store to District vaccine store in a month- antigen wise breakdown% of vaccine monthly stock that is utilized against total stock held at each level in a state

#### Major Reports:

- User/Domain activity report
- Transaction count report
- Abnormal stock report
- Consumption report
- Discards report
- Replenishment response time
- Temperature excursions report
- Power availability report
- Asset status report

#### Major Masters:

- Users master
- Stores/facility master
- Location master(State, Region, District, Block)
- Asset/cold chain equipment's and Temperature Logger master
- Materials/vaccines master

#### Data Integration:

##### Received

- NA

##### Data Integration: Shared

- eVIN data will be shared with National Cold Chain and Management Information System (NCCMIS) application. The data items include the details/status about the cold chain equipment.

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



##### Technology:

CentOS 7.0  
Angular JS  
MariaDB,  
MongoDB &  
Cassandra

##### Hosting:

AWS (Mumbai)

#### Roll-out Status



##### Rolled out in:

- 28,447 CCPs, in 728 districts, cross 35 States and UTs.
- Roll out in A&N islands is in advanced stage

#### Mobile app and Dashboard



##### Mobile app:

Yes (android)  
**App Name:**  
Store app &  
MYeVIN  
App

##### Dashboard:

Yes  
[www.evinonline.in](http://www.evinonline.in)

**Mode of Application Development:** a private vendor

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

#### Usage of Email/SMS:

eVIN uses incoming and outgoing bulk messages through a SMS Service Provider. eVIN enables sending emails, SMS to the users of system for data quality, vaccine stock expiry, temperature breaches etc.

### Contact Details of Program Division

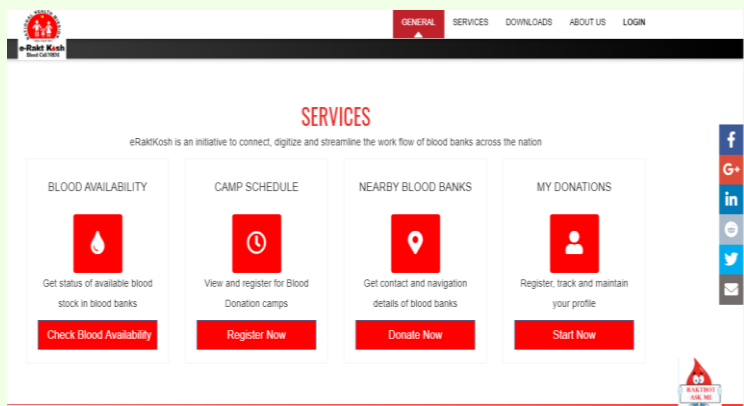
Dr. Pradeep Halder  
Immunization Division, MoHFW  
Mobile: 8800495771  
E-mail: [pradeephaldar@yahoo.co.in](mailto:pradeephaldar@yahoo.co.in)

## 5. e-RaktKosh (Centralized Blood Bank Management System)

[www.eraktkosh.in](http://www.eraktkosh.in)

**Objective:** e-RaktKosh is a comprehensive IT solution to connect, digitize and streamline the workflow of blood banks, an initiative by DoHFW to monitor

- Safe and Adequate Blood Supplies
- Reduced Turnaround Time
- Networking of Blood Banks
- Adherence to Drug & Cosmetic Act
- Real time blood stock availability
- State-wise / District-wise donor database
- Reports to Blood Bank officials & Administrators



Application Launch Year: 2016 (V2)

### Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective & Real time  
**Data Level:** Beneficiary & Consolidated



**Compliance of Standards:** EHR - 2016



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District  
**Training Conducted:** State level, 1847 trained



### Key Information

#### Major Data Elements:

- Blood Stock Availability
- Blood Donation Camp Information
- Nearby Blood Banks
- Donor Records
- Patient Records
- TTI Test Information
- Blood Component Information
- Fractionation Information
- Blood Grouping Information
- Stock Transfer to Another Blood Bank

#### Major KPIs:

- Nation Wide Blood Bank & BSU Information
- State Wise Blood Stock Availability
- District Wise Blood Stock Availability
- Blood Group Wise Donation Details
- Blood Donation Camp Information
- TTI Information
- Category Wise Issue Details
- Online Thalassemia Request Information
- Defaulter Blood Bank




#### Major Reports:

- Blood Group Wise Blood Stock Information
- Donor Master Register
- Donor Statistical Register
- Issue Register
- TTI Information
- Camp Statistical Register
- Blood Group wise Donor Register
- Issue Voucher Report
- Cross-match Register
- Thalassemia Patient Register
- Component Master Register

## 5. e-RaktKosh (Centralized Blood Bank Management System)

[www.eraktkosh.in](http://www.eraktkosh.in)

### Technology, Roll out Status, Mobile App and Dashboard

Technology and Hosting	Roll-out Status	Mobile app and Dashboard
		
<p><b>Technology:</b></p> <p>Jboss 6.1.0 CentOS 6.10 PostGRES EDB9.4</p> <p><b>Hosting:</b> CDAC Data Center</p>	<p><b>Rolled out in:</b></p> <ul style="list-style-type: none"> <li>• 34 States</li> <li>• 644 Districts</li> </ul>	<p><b>Mobile app:</b> Yes</p> <p><b>App Name:</b> eRaktkosh</p> <p><b>Dashboard:</b> Yes <a href="http://www.eraktkosh.in">www.eraktkosh.in</a></p>

**Mode of Application Development:** Through CDAC

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

#### Usage of Email/SMS:

1. SMS (When Donate, Blood Issued, Periodic Message, Blood Grouping Details, Thalassemia)
2. Email (When Blood Banks are not updating the stock, When Blood Banks apply on e-RaktKosh for Login Details, Monthly Status reports)

### Contact Details of Program Division

Ms Vinita Srivastava  
Blood Cell NHM, MoHFW  
Mobile: 9560877009 Email: vini121@gmail.com

## Key Information

### Major Masters:

- Blood Bank Master
- Blood Storage Unit Master
- Blood Component Master
- Donor Examination Master
- TTI Screening Master
- Questionnaire Master
- Blood Group Master
- Donor and Donation Type Master

### Data Integration: Received

- Blood Stock Availability (Himachal Pradesh, Bihar, Odisha, Punjab)
- e-Hospital NIC Application for Getting patient details from HIS

### Data Integration: Shared

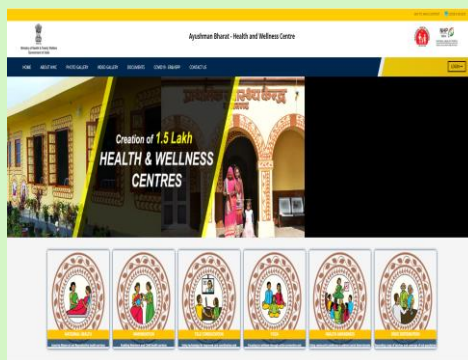
- UMANG : Blood stock availability, Camp Details, My Donation, Nearby Blood Banks
- Gujarat GVK- EMRI web portal : Blood Stock Details for Blood Banks
- Telangana CGG: Blood Stock Details for Blood Banks
- Karnataka State Dashboard : Blood Stock Details for Blood Banks
- Uttarakhand CM Dashboard : Blood Stock Details for Blood Banks
- IRCS NHQ Delhi Web page: Blood Stock Details for Blood Bank

## 6. Health and Wellness Centre

[www.ab-hwc.nhp.gov.in/](http://www.ab-hwc.nhp.gov.in/)

**Objective:** Ayushman Bharat (AB) is an attempt to move from sectoral & segmented approach of health service delivery to a comprehensive range of health care service. It aims to undertake path breaking interventions to holistically address health (covering prevention, promotion & ambulatory care), at primary, secondary & tertiary level. Ayushman Bharat adopts a continuum of care approach, comprising of two inter-related components. The first component, pertains to creation of 1,50,000 Health and Wellness Centres which will bring health care closer to the homes of the people. These centres will provide Comprehensive Primary Health Care (CPHC), covering both maternal and child health services and non-communicable diseases, including free essential drugs and diagnostic services.

The AB-HWC portal captures facility wise data on profile of HWCs and service utilization detail at these health facilities. The portal provides real time updates to the states and districts on their progress in fulfilling the functionality criteria for operationalizing HWCs. The Portal supports states & districts to monitor their progress in operationalizing HWCs.



Application Launch Year: 2018 (V1)  
April 2020 (Revised Version)

### Data Entry, User Level, Training and Reporting

**Data Entry:** Real Time & Retrospective  
**Data Level:** Consolidated Facility Level



**Compliance of Standards:** LGD, NIN



**GIS Reporting:** Yes  
**BI Tools Usage:** No



**User Level:** State, District, Facility  
**Training Conducted:** States 50-60 State nodal officers and State CPHC Consultants



### Key Information

#### Major Data Elements:

- All Functional Component of HWC
- Status of screening of NCD
- Number of New Diagnosed patients
- Number of On treatment patients
- Footfall at HWC
- Wellness Sessions Organized by HWCs
- Tele-Consultation done
- Wellness/Health events organized by HWCs
- Performance linked payments to primary health care team

#### Major KPIs:

- Service utilization-
  - Screening of NCDs and Tuberculosis
  - Treatment of NCDs and Tuberculosis
  - Footfall at HWCs
  - Teleconsultations at HWC
- Wellness activities at HWC
- Functional status of HWC- Approved, Progressive and Operational
- Human Resource at HWC
- Training of staff posted at HWC in universal screening of NCD.
- Wellness events at organized at HWCs on major health days
- Functional parameters of HWC functionality

## 6. Health and Wellness Centre

[www.ab-hwc.nhp.gov.in/](http://www.ab-hwc.nhp.gov.in/)

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



##### Technology:

CENT OS 7.7  
APACHE2.4  
PHP 7.3  
MYSQL 8.0  
REST API

**Hosting:** BSNL

#### Roll-out Status



##### Rolled out in:

- Rolled out in all states & UTs across India

#### Mobile app and Dashboard



##### Mobile app:

Yes

##### App Name:

AB-HWC app

##### Dashboard:

Yes

<https://ab-hwc.nhp.gov.in/>

**Mode of Application Development:** By Centre of Health Informatics (CHI)

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:** Yes (SMS)

### Contact Details of Program Division

Functional aspect: NHSRC, MoHFW

Technical aspect: CHI, MoHFW

Dr Garima Gupta, [drguptagarima@gmail.com](mailto:drguptagarima@gmail.com),  
9899114279

Anusha Sharma, [anushanhsrc@gmail.com](mailto:anushanhsrc@gmail.com), 9719316593

Dharam, [dharam99971@gmail.com](mailto:dharam99971@gmail.com)

### Key Information

#### Major Reports:

- HWC report
- HWC profile entry report
- Daily entry status(not live)
- HR directory(not live)
- Service delivery report
- Daily entry report
- Images report
- HWC App adoption report

#### Major Masters:

- NIN

#### Data Integration: Received

- NA

#### Data Integration: Shared

- DELL (CPHC) Total footfall
- DARPAN (Data for Number of Progressive HWC is shared )

# 7. Health Management Information System

<https://hmis.nhp.gov.in/#!/>

**Objective:** To monitor the National Health Mission and other Health programmes and provide key inputs for policy formulation and appropriate programme interventions.



Application Launch Year: 2019 (Soft Launch in five states and subsequently launched in all states/UTs)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real Time  
**Data Level:** Consolidated Level



**Compliance of Standards:** LGD, NIN, e-Gov (IHIP)



**GIS Reporting:** Yes  
**BI Tools Usage:** Yes (Under Progress)  
**Offline Data Upload Utility:** Yes (under testing phase)



**User Level:** State, District, Sub-District, Block, ULB, Facility  
**Training Conducted:** State, District, Sub-District, Block, Facility (~15000 trained)



## Key Information

### Major Data Elements:

- Ante Natal Care
- Intra-natal care
- Post Natal Care
- Child immunization
- Family Planning
- Mortality
- Patient Services
- Adolescent Health
- Laboratory Testing
- Other programmes under NHM

### Major KPIs:

- % 1st Trimester registration
- % PW received 4 ANC
- % PW Fully Immunization
- % Institutional deliveries
- % C-section deliveries (Public + Pvt.)
- Sex Ratio at birth
- % of children fully immunized (9-11 months)
- OPD/ IPD per lakh population
- Major/ Minor Surgeries per lakh population
- % Male Sterilization (Vasectomies)/ Female Sterilization (Tubectomies) to Total sterilization

### Major Reports:

- Data Reporting Status
- Data Item-wise
- Performance on Key HMIS Indicators
- Minimum maximum reports
- Range Report
- Master report
- Analytical Report
- Score Card



# 7. Health Management Information System

<https://hmis.nhp.gov.in/#!/>

## Key Information

### Major Masters:

- Health facility master
- State master
- District master
- Sub district master
- Block master
- District ULB master
- ULB ward master
- Village master
- Sub district ULB master
- State/District boundary

### Data Integration: Received

- PCTS (NHM Rajasthan)

### Data Integration: Shared

- PMO Dashboard (PRAYAS)
- HFM/ Central Dashboard (in progress)
- data.gov.in (under progress)
- MoTA (under progress)
- DISHA, MoRD (under progress)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Ubuntu 18.04 LTS, Apache2 HTTP Server, Tomcat, PostgreSQL, Java Springboot

#### Hosting:

BSNL Cloud, IDC Faridabad

### Roll-out Status



#### Rolled out in:

- Rolled out in all states & UTs across India

### Mobile app and Dashboard



#### Mobile app:

Yes

#### App Name:

HMIS, MoHFW, GOI

#### Dashboard:

Go Live & being Improved

**Mode of Application Development:** Supported by W.H.O.

**Aadhaar Captured:** Yes

**Data Encryption:** Yes

**Aadhaar Authentication:** No

**Authentication Agency:** NA

**Usage of Email/SMS:** Yes (Under Implementation)

1. Mobile number and email validation for user registration
2. Auto mail/SMS forwarding for validation errors and alerts

## Contact Details of Program Division

Mr. D.K. Ojha,  
Statistics Division  
Tel. 011-23736982

Email: dk.ojha@gov.in

# 8. IDSP - Integrated Disease Surveillance Programme

[www.idsp.nic.in](http://www.idsp.nic.in)

**Objective:** To strengthen the disease surveillance in the country by establishing a decentralized state based surveillance system for epidemic prone diseases to detect early warning signals.



Application Launch Year – 2008

## Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective Data Entry  
**Data Level:**



**Compliance of Standards:** LGD



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District & Block  
**Training Conducted:** State & District



## Key Information

### Major Data Elements:

- Syndromic
- Presumptive
- Laboratory
- EWS
- Positive Line list
- Staff Entry

### Major KPIs:

- NA

### Major Reports:

- Cases
- Submission Status
- HRD Details
- Facility Details
- Line List
- EWS Report/  
Outbreak Report

### Major Masters:

- State
- District
- Block
- Reporting Unit (Facility)
- Reporting Unit type
- Users
- Disease List
- Menu Option
- HRD

## 8. IDSP - Integrated Disease Surveillance Program

[www.idsp.nic.in](http://www.idsp.nic.in)

### Key Information

**Data Integration: Received**

- NA

**Data Integration: Shared**

- NA

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



**Technology:**

RHEL 6.9  
Apache 2.2.15  
JBoss 5.1  
PostgreSQL 8.4

**Hosting:**

Data Centre  
NDCSP, New  
Delhi

#### Roll-out Status



**Rolled out in:**

- All States (Web only)
- All Districts (Web only)

#### Mobile app and Dashboard



**Mobile app:** No  
**App Name:** NA

**Dashboard:**

Yes  
(Password protected domain)

**Mode of Application Development:** Through NIC

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:-** No

### Contact Details of Program Division

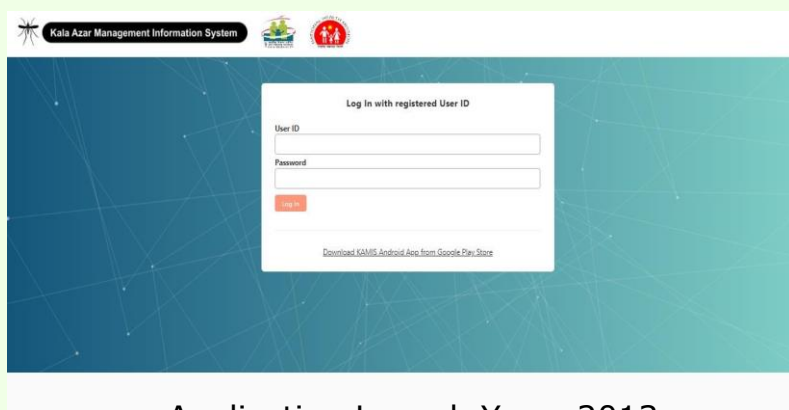
Dr. S. K. Singh, Director (NCDC) & PD (IDSP)  
Phone: 011-23913148 E-mail: dirnicd@nic.in

## 9. Kala-Azar Management Information System (KAMIS)

[www.ka-mis.org](http://www.ka-mis.org) (Proposed: [kamis.nvbdc.gov.in](http://kamis.nvbdc.gov.in))

**Objective:** Monitoring of disease trends, capture every case with accurate address of residence (on the assumption that the infection was contracted at the residence) irrespective of the place of diagnosis. Detection of an increase in the disease incidence to alert health personnel for further investigation.

For both the purposes of early diagnosis and treatment, and for the accurate identification of the affected area that requires to be sprayed with insecticide, HMIS is an essential component of the disease elimination plan.



Application Launch Year: 2013

### Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective  
**Data Level:** Beneficiary



**Compliance of Standards:** LGD



**GIS Reporting:** Yes  
**BI Tools Usage:** No



**User Level:** State, District, Block, Facility, Community Workers  
**Training Conducted:** 3000 Approx. State, District, Block, Facility



### Key Information

#### Major Data Elements:

- Patient Registration
- Patient Address
- Diagnosis Details
- Treatment Details
- Patient Follow-up details
- Inventory Status of Drugs & diagnostics
- Incentive Payment status
- Suspect Details

#### Major KPIs:

- Case Incidence
- Duration of fever before diagnosis in days
- Delay in treatment after diagnosis in days
- Treatment Outcome
- Follow-up Status
- Inventory Status
- HIV Testing of KA Cases
- Monitoring of IRS – Coverage & Quality
- WLC & Incentive Payment Status
- PKDL Incidence & Relapse cases

# 9. Kala-Azar Management Information System (KAMIS)

[www.ka-mis.org](http://www.ka-mis.org) (Proposed : [kamis.nvbdcg.gov.in](http://kamis.nvbdcg.gov.in))

## Key Information

### Major Reports:

- Case burden across districts (Choropleth map)
- Case Distribution by Year and by Month
- Case Distribution by Gender and by Age Groups
- Case Distribution by case type and by Basis of Diagnosis
- Case Distribution by Duration of Fever and by Treatment Delay
- Case distribution by Treatment location
- Drug & Diagnostics Inventory Status Reports
- Entomology Report

### Major Masters:

- Village Master
- District Master
- Block Master
- State master
- Country master
- Medical Institutions Master
- Drugs & Diagnostics Items Master
- Inventory Batch Master




### Data Integration: Received

- Disease Data Management System (DDMS)
- Entomology Data: Vector Abundance, Insecticide Resistance

### Data Integration: Shared

- None

## Technology, Roll out Status, Mobile App and Dashboard

Technology and Hosting	Roll-out Status	Mobile app and Dashboard
 <b>Technology:</b> RHEL Linux18.04LTS, APACHE 9.0.1, APACHE TOMCAT9.0.1, MYSQL5.5.47  <b>Hosting:</b> on NIC cloud is under process	 <b>Rolled out in:</b> <ul style="list-style-type: none"><li>• 4 States</li><li>• Bihar (33), Jharkhand (4), UP (14), West Bengal (12)</li></ul>	 <b>Mobile app:</b> Yes <b>App Name:</b> KAMIS  <b>Dashboard:</b> Yes <a href="http://www.ka-mis.org">www.ka-mis.org</a>

**Mode of Application Development:** Application developed by Development Partner, M/s Care India

**Aadhaar Captured:** Yes      **Data Encryption:** No

**Aadhaar Authentication:** No      **Authentication Agency:** NA

**Usage of Email/SMS:-** Yes

1. Email notification is sent to registered email ids of concerned officials' when a new non-resident case is entered.
2. Email notification is sent to concerned officials whenever a non-resident case is accepted as a resident case in block.

## Contact Details of Program Division

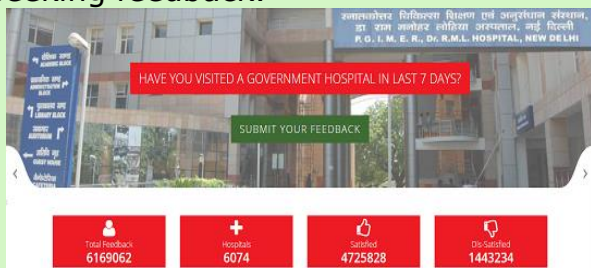
Dr Naresh Kumar Gill, Dy. Director, NVBDCP  
Mob.8976041182  
Email:[nareshgill.nvbdcg@yahoo.com](mailto:nareshgill.nvbdcg@yahoo.com)

# 10. MERA ASPATAAL (MA)

[www.meraaspataal.nhp.gov.in/](http://www.meraaspataal.nhp.gov.in/)

**Objective:** Quality healthcare is an articulated commitment of MoHFW. The level of patient satisfaction is the litmus test for assessing quality of services provided by a healthcare facility. Mera Aspataal (My Hospital) is an ICT-based application for public & empanelled private hospitals to provide patient-centric care.

A multi-channel approach is used to collect information on patients' level of satisfaction i.e. web portal, mobile application, Short Message Service (SMS), and Outbound Dialling (OBD). The application automatically contacts the patient (outpatient after the closure of outpatient department and the inpatient, after discharge) using the above channels mainly SMS & OBD to collect information on level of their satisfaction with services availed. Patient can also directly give feedback by using website or mobile app. The project is currently implemented in 29 states and 6 UTs. These are the UTs which have not integrated any facility with Mera Aspataal: Andaman & Nicobar and Lakshdweep. Initiated in Aug 2016, Mera-Aspataal was scaled-up to 6,074 facilities, reaching out to 78 million patients with SMS and OBD calls seeking feedback.



Application Launch Year: August 2016

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Consolidated at facility



**Compliance of Standards:** NIN  
**GIS Reporting:** Yes  
**BI Tools Usage:** No



**User Level:** State, District, Facility  
**Training Conducted:** State level: 8 to 10 Trainings-(450-500 Stakeholders trained)



## Key Information

### Major Data Elements:

- Patient Visits
- Patient with Valid phone numbers
- Total responses
- Very Satisfied
- Satisfied
- Not satisfied
- Dissatisfaction due to staff behaviour
- Dissatisfaction due to cleanliness
- Dissatisfaction due to cost of treatment
- Dissatisfaction due to quality of treatment

### Major KPIs:

- Hospitals Integrated
- Valid Visits of Patients
- Responses Received
- Satisfied Patients
- Unsatisfied Patients
- Patient Satisfaction Score

### Major Reports:

- Performance report
- Patient visit report
- Ranking Report
- Patient satisfaction score report
- Valid patient visit report
- Valid patient response report
- Facilities not reported data report

## 10. MERA ASPATAAL (MA)

[www.meraaspataal.nhp.gov.in/](http://www.meraaspataal.nhp.gov.in/)

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



**Technology:**  
CENTOS 7.8,  
APACHE2.4,  
PHP7.1,  
MySQL5.6,  
RestAPI, WSDL

**Hosting:** NIC

#### Roll-out Status



#### Rolled out in:

- Rolled out in 34 states and UTs

#### Mobile app and Dashboard



**Mobile app:** Yes  
**App Name:** Mera Aspataal

**Dashboard:** Yes  
<https://admin-meraaspataal.nhp.gov.in/dashboard>

**Mode of Application Development:** Through Centre of Health Informatics (CHI)

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:** Yes - To get feedback from patients

### Contact Details of Program Division

Functional aspect - NHSRC, MoHFW (Quality Module)

Technical aspect- CHI, MoHFW (Program & Quality), Program-Functional

Robert Elangbam (7838542396, [robert.elangbam@gov.in](mailto:robert.elangbam@gov.in))

Gaurav Sharma (9810053463, [gaurav.sharma@nihfw.org](mailto:gaurav.sharma@nihfw.org))

Shashi Prabhakar (9479663654, [sprabhakar@nihfw.org](mailto:sprabhakar@nihfw.org))

Dr. Reena Pathania (8130573447, [reena.pathania@nihfw.org](mailto:reena.pathania@nihfw.org))

Dr. Parminder Gautam (9818469062, [gautamparminder@gmail.com](mailto:gautamparminder@gmail.com))

### Key Information

#### Major Masters:

- NIN
- HMIS
- eHospital

#### Data Integration: Received

- Facilities HMIS
- eHospital

#### Data Integration: Shared

- None

# 11. NCCMIS - National Cold Chain Management Information System

[www.nccmis.org](http://www.nccmis.org)

## Objective:

- To generate real time inventory of cold chain equipment
- To ensure real time tracking of various cold chain indicators like sickness rate, breakdown etc.
- To support MoHFW in taking various policy decisions for Cold Chain management in the country



Application Launch Year: 2013

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real Time Data  
**Data Level:** Beneficiary data not being captured



**Compliance of Standards:** e-Gov



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** National, State, Regional, District  
**Training Conducted:** State & District level  
1650 trained



## Key Information

### Major Data Elements:

- State/Region/District Name
- Site type and Site Name
- Population details
- Electricity information
- Model-wise cold chain equipment (electrical & Non –electrical)
- Breakdown & repair updates of electrical cold chain equipment
- Status, Capacity, age & refrigerant of the equipment
- Preventive maintenance visit information
- Spare parts indent & utilization
- Immunization training details

### Major KPIs:

- No. of functional Cold Chain Points
- % of Cold Chain Points having population details
- % of districts with sickness rate > 2%
- No. of Beyond repair Cold Chain equipment in the District
- No. of Condemned Cold Chain equipment in the District

### Major Reports:

- Total/Functional Cold chain points



# 11. NCCMIS - National Cold Chain Management Information System

[www.nccmis.org](http://www.nccmis.org)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Windows Server 2012 R2, IIS7 & Apache Tomcat, Visual Studio 2015, HTML, Apache Tomcat (9.0), SQL Server 2014, My SQL 2014

#### Hosting:

Data Centre - RailTel Cloud - rcil.gov.in

### Roll-out Status



#### Rolled out in:

- Rolled out in all states & UTs across India

### Mobile app and Dashboard



#### Mobile app:

Yes

#### App Name:

Supportive supervision, S4I, EVM

#### Dashboard:

Yes

<https://nccmis.org>

**Mode of Application Development:** By hired project manpower

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:** No

## Contact Details of Program Division

Dr. M.K.Aggarwal  
Immunization division, MoHFW  
Mobile: 9810443262 E-mail: mk.aggarwal13@nic.in

## Key Information

### Major Report (continued...):

- Electrical , Non-electrical Equipment & Vaccine van inventory
- Working status of equipment (electrical, non-electrical & Vaccine Van) i.e Buffer, working, Standby, Not-working, under repair, beyond repair, theft, condemned & disposal
- %Sickness rate
- Down time of the equipment
- Reporting time & response time of VCCH & CCTs respectively
- Cold Chain Space availability & requirement

### Major Masters:

- State
- District master
- Site master
- Login master
- Role master
- Equipment master
- Training master
- Indent master
- Spare parts master
- User master

**Data Integration: Received:** NA

**Data Integration: Shared:** NA

## 12. National Identification Number to Health Facility of India (NIN-TO-HFI)

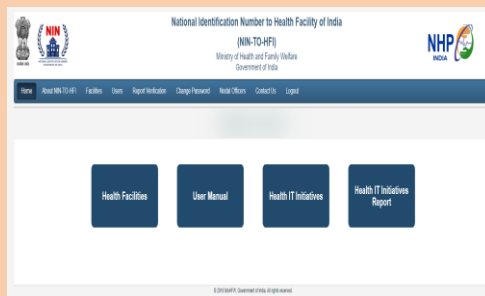
<https://nin.nhp.gov.in/index.php>

**Objective:** The Ministry of Health & FW has initiated a process for generating National Identification Number for all Health Facilities of India (NIN-2-HFI). NIN will be random but unique 10-digit number within India. In order to identify the geographical location of the health facility, attributes like state, district, taluka, village codes based on MDDS (Meta Data & data Standards) will be attached to NIN initially. More attributes as per requirements can be added as and when such need arises.

The Center for Health Informatics has developed the NIN Web Portal to generate NIN-to-HFI. End-users will be able to confirm by giving NIN through central database and will confirm its available attributes, if found correct. This site has been developed to confirm and verify the existence of the facility.

Since NIN will be permanent unique 10-digit number, verification of health facilities and their attributes is essential

Software has been facilitated to verify the base data. Once base data is verified, NIN will be permanent for that Health Facility and all the Health applications will use NIN in their databases to ensure inter-operability among applications.



Application Launch Year: 2016

### Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective  
**Data Level:** Consolidated & Facility



**Compliance of Standards:** LGD



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State & District  
**Training Conducted:** 45+  
State level



### Key Information

#### Major Data Elements:

- Facility Details

#### Major KPIs:

- Facility Details

#### Major Reports:

- Facility Confirmation and Verification Report

#### Major Masters:

- NA

#### Data Integration: Received

- States and Application via API

## 12. National Identification Number to Health Facility of India (NIN-TO-HFI)

<https://nin.nhp.gov.in/index.php>

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



##### Technology:

CENT6.10,  
APACHE2.2,  
PHP7.3,  
MySQL8.0,  
Rest API

##### Hosting:

BSNL NG3  
Ahmedabad

#### Roll-out Status



##### Rolled out in:

- Rolled out in all states & UTs across India

#### Mobile app and Dashboard



**Mobile app:** No  
**App Name:** NA

**Dashboard:** No

**Mode of Application Development:** Centre for Health Informatics (CHI)

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:-** No

### Contact Details of Program Division

Mr. Ankit Tripathi

Centre for Health Informatics (CHI)

National Institute of Health and Family Welfare

Ph: 011-26165959, E-mail: [ankit\\_tripathi11@hotmail.com](mailto:ankit_tripathi11@hotmail.com)

### Key Information

#### Data Integration: Shared

- Ayushman Bharat - Health and Wellness Centre (HWC)
- Mera Aaspatal (MA)
- Laqshay
- Reproductive Child Health (RCH)
- Drug and Vaccine Distribution Management System (DVDMS)
- Health Management Information System (HMIS)
- Mother and Child Tracking System (MCTS)
- Integrated Disease Surveillance Programme (IDSP)
- National Health Authority (NHA)
- National Programme for Health Care of the Elderly (NPHCE)
- Ministry of AYUSH
- National Health Resource Repository (NHRR)
- National AIDS Control Organization (NACO)

# 13. National Injury Surveillance Centre

[www.nisc.gov.in](http://www.nisc.gov.in)

**Objective:** Main objectives of National Injury Surveillance Centre (NISC) is to collect, compile, analyse & disseminate injury related information to the communities and the policy makers for reducing the burden of morbidities & mortality resulting due to injuries and to build capacity for providing quality care to the injury victims, with the following services:

For National Injury Surveillance:

- To collect, compile, analyse the information from designated trauma care facilities for use of policy formation and preventive intervention
- To link injury surveillance data capture format with all designated trauma care facilities for collection of injury surveillance related data
- Coordination for training in field of trauma care.
- To collect information on Pre Hospital Care given to trauma victims

For Trauma Registry:

- Creation of Nodal Trauma Registries at various levels of trauma care facilities
- Networking of all the trauma registries to make Regional & National Trauma data bank



Application Launch Year: 2016 (V1.0)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real time and Retrospective  
**Data Level:** Beneficiary at Facility



**Compliance of Standards:** e-Gov  
**GIS Reporting:** Yes  
**BI Tools Usage:** No



**User Level:** National & Facility  
**Training Conducted:** National Staff from 65 Hospitals  
 Min 2 from each facility



## Key Information

### Major Data Elements:

- Details of the road traffic Injury
- Pre-Hospital care details
- Personal details of the injured
- Activity at the time of Injury
- Injury Management & Outcome in Hospital

### Major KPIs:

- No of Trauma cases received in Hospital
- Availability and quality of pre hospital care
- Utilization of trauma care facilities
- Incidence of severe trauma cases
- Types of Trauma cases-% RTI, Falls, assaults etc.
- In Hospital mortality
- No. of Referral cases received
- Cases referred to other facilities
- No of surgeries performed
- No of patients recovered

### Major Reports:

- Are being generated- Under process

# 13. National Injury Surveillance Centre

[www.nisc.gov.in](http://www.nisc.gov.in)

## Key Information

### Major Masters:

- Hospital Master

### Data Integration: Received

- NA

Data is collected in the formats manually thereafter the same is entered in the software

### Data Integration: Shared

- NA

Data is not being shared with any other application

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Windows, IIS server, IIS(.net), PostgreSQL, Visual Studio

**Hosting:** NIC

### Roll-out Status



#### Rolled out in:

- 15 States (For 65 Districts) in first phase, eventually has to be connected to all States/UTs

### Mobile app and Dashboard



#### Mobile app:

No

#### App Name:

NA

#### Dashboard:

No

**Mode of Application Development:** Project mode manpower

**Aadhaar Captured:** Yes

**Data Encryption:** Yes

**Aadhaar Authentication:** No

**Authentication Agency:** NA

**Usage of Email/SMS:** No

## Contact Details of Program Division

Dr. Tanu Jain, ADG, Dte. GHS

23062544. drtanujain28@gmail.com

Sh. MK Singh, US, 23061436, mk.singh52@nic.in

PMU-100 D Nirman Bhawan-23063110, 8826534552

(Ms. Saranga Panwar, Consultant)

# 14. National Programme for Control of Blindness & Visual Impairment

[npcbvi.gov.in](http://npcbvi.gov.in)

**Objective:** Information Technology, in the context of the NPCBVI program entails the design and functioning of the Management Information System (MIS). It brings transparency in the processes involved in the NPCBVI Program and ease the data flow across the hierarchy levels. The NPCBVI-MIS is accessed and used by each and every stakeholder through the NPCB website ([npcbvi.gov.in](http://npcbvi.gov.in)).

Information Technology or MIS, is the enabler to ensure data availability to all stakeholders and hence streamline necessary approvals and claim reimbursement process.



Application Launch Year: 2009 (V1)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real Time Data  
**Data Level:** Consolidated



**Compliance of Standards:**  
LGD, NIN, e-Gov, eHR



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District & Facility  
**Training Conducted:** State, District & Facility  
100 trained



## Key Information

### Major Data Elements:

- NGO Registration
- Hospital Registration (Govt/Private)
- Diagnosis Data
- Demographic details of patients
- Medication details

### Major KPIs:

- Screening camp conducted
- Total number of Satellite center
- patient registrations
- Cataract (Pre Operative, Operative, Post Operative, Follow up)
- Glaucoma, Diabetic Retinopathy, Corneal Blindness, VR – Surgery, Squint, Intraocular Trauma in Children, Congenital Ptosis, Retinoblastoma, Retinopathy of prematurity
- Eye Screening
- Screening Camp Manager
- Satellite Centre Manager
- Application Registration

### Major Reports:

- Cataract
- Glaucoma
- Diabetic Retinopathy
- Corneal Blindness
- VR –Surgery

# 14. National Programme for Control of Blindness & Visual Impairment

[npcbvi.gov.in](http://npcbvi.gov.in)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Windows  
IIS  
MySQL

**Hosting:** NIC,  
Shatri Park (New  
Delhi)

### Roll-out Status



#### Rolled out in:

- All States
- All Districts of States

### Mobile app and Dashboard



#### Mobile app:

No

#### App Name:

NA

#### Dashboard: Yes

<https://npcbvi.gov.in/Public-DASHBOARD>

**Mode of Application Development:** Through CDAC

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** No

**Authentication Agency:** NA

#### Usage of Email/SMS: Yes

1. SMS send during Application registration, Patients registration, forgot password
2. Email send during Application submission, Application approved, Forgot password

## Contact Details of Program Division

Dr. V. Rajshekhar  
Mobile: 9717003367  
E-mail: [vrajshekhar@gmail.com](mailto:vrajshekhar@gmail.com)

## Key Information

### Major Reports (Contd...):

- Squint
- Intraocular Trauma in Children
- Congenital Ptosis
- Retinoblastoma
- Retinopathy of prematurity

### Major Masters:

- State
- District
- NGO's
- Private Practitioner
- Private Medical College
- Government/CHC
- Other

### Data Integration: Received

- NGO Darpan Portal
- National Identification Number portal
- eHR Standards

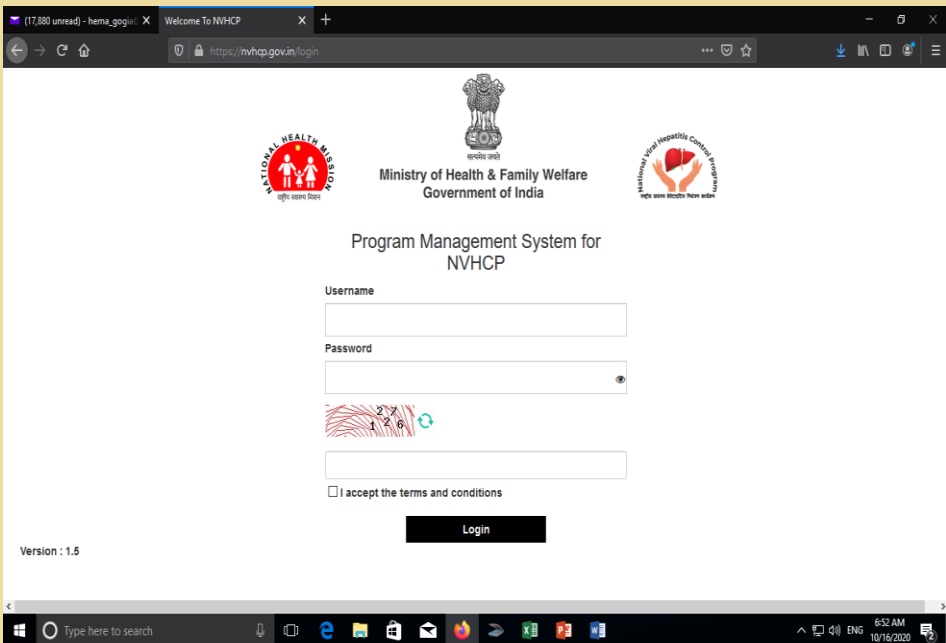
### Data Integration: Shared

- NA

# 15. National Viral Hepatitis Control Program

<https://nvhcp.gov.in>

**Objective:** Paperless Recording and reporting system under National Viral Hepatitis Control Program for Capturing patient Information and Clinical details for Management of Viral Hepatitis



Application Launch Year: 2019 (V1)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real Time & Retrospective  
**Data Level:** Consolidated & Beneficiary Level



**Compliance of Standards:** LGD, eHR



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District & Facility  
**Training Conducted:** State, District & Facility  
(730 trained)



## Key Information

### Major Data Elements:

- Beneficiary demographic Details
- Diagnosis Data
- Prescription details
- Dispensation details
- Other testing

### Major KPIs:

- No. of Serological tests done for diagnosis of Viral Hepatitis C
- No. of new patients initiated on treatment of hepatitis C
- No. of new patients completed treatment of HCV (End of Treatment)
- No of Serological tests done for Diagnosis of Viral Hepatitis B
- No. of new patients initiated on treatment of hepatitis B
- No. of patients who were put on treatment continuing treatment
- Total number of Model treatment centers established
- Total Number of treatment centers established



# 15. National Viral Hepatitis Control Program

<https://nvhcp.gov.in>

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Red Hat Enterprise Linux Server7.9, Apache 2.4.6, PHP 5.4, MYSQL ver15.1 distrib,10.2.19 MariaDB

**Hosting:** NIC

### Roll-out Status



#### Rolled out in:

- Rolled out in all states & UTs across India

### Mobile app and Dashboard



#### Mobile app:

Yes

**App Name:** NVHCP MIS

#### Dashboard:

Yes

[www.nvhcp.gov.in](http://www.nvhcp.gov.in)

**Mode of Application Development:** Development Partner (Clinton Health Access Initiative)

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:** No

## Contact Details of Program Division

Dr. Partha Rakshit  
Tel. 9811088262,  
Email: Partha.rakshit@gov.in, Partho\_rakshit@yahoo.com

## Key Information

### Major Reports:

- Monthly Report
- HMIS Report (Inclusion of Indicators of HMIS in Process)
- Niti Aayog Report
- Progress at State and District
- HFM Reports

### Major Masters:

- State
- District
- Block
- Facility

### Data Integration: Received

- None

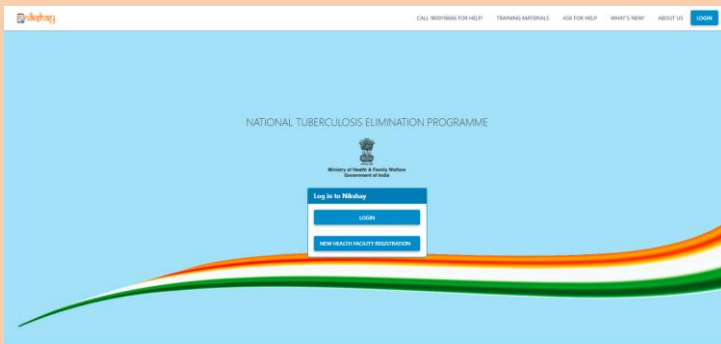
### Data Integration: Shared

- None

# 16. NIKSHAY

[www.nikshay.in](http://www.nikshay.in)

**Objective:** NI-KSHAY- (Ni=End, Kshay=TB) is the web enabled patient management system for TB control under the National Tuberculosis Elimination Programme. Nikshay is used by health functionaries at various levels across the country both in the public and private sector, to register cases under their care, order various types of tests from Labs across the country, record treatment details, monitor treatment adherence and to transfer cases between care providers. It also functions as the National TB Surveillance System and enables reporting of various surveillance data to the Government of India.



Application Launch Year: 2018 (V2)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Consolidated & Beneficiary Level



**Compliance of Standards:** NIN  
(Partial Compliance to these various standards in different modules of Nikshay)



**GIS Reporting:** Yes  
**BI Tools Usage:** Yes (Tableau)



**User Level:** State, District, Block, Facility, Community Workers  
**Training Conducted:** State, District, Block, Facility, Community Workers (618414 trained)



## Key Information

### Major Data Elements:

- Patient Level Information
- Beneficiary Level Information
- Benefit Level Information
- Staff Details
- Adherence Details
- Medication Refills
- Follow-up Details
- Medical Test data
- Treatment Details
- Comorbidity & Contract Tracing

### Major KPIs:

- Azure Application Insights
- SQL Activity Monitor
- Grafana Infrastructure Performance Monitoring
- Sentry Application Exception Monitoring
- Matomo – Insights on user behavior
- Azure Application Security

### Major Reports:

- TB Notification Report
- DBT Beneficiary Report
- DBT Benefit Report
- Transfer Register
- Adherence Register
- Prescription Register
- DMC Register
- Health Facility Service Register

## 16. NIKSHAY

[www.nikshay.in](http://www.nikshay.in)

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



##### Technology:

Windows,  
centos  
7.6.1810, IIS 8  
Nginx, IIS 8  
tomcat, SQL,  
PostgreSQL

**Hosting:** Azure  
Central India

#### Roll-out Status



##### Rolled out in:

- Rolled out in all states & UTs across India

#### Mobile app and Dashboard



##### Mobile app:

Yes

**App Name:**  
NIKSHAY

##### Dashboard:

Yes

<https://dashboards.nikshay.in/>

**Mode of Application Development:** By hiring project mode manpower. Everwell Health Solutions is supporting the Central TB Division in developing, deploying and managing the application.

**Aadhaar Captured:** No

**Data Encryption:** Yes

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:-** Yes

1. For communication through SMS about Enrolment, DBT and Adherence
2. For Password reset, OTP for DBT for other communications

### Contact Details of Program Division

Dr. Kuldeep Singh Sachdeva,  
Central TB Division, MoHFW  
Tel. 91-11-23062980  
Email: [ddgtb@rntcp.org](mailto:ddgtb@rntcp.org)

### Key Information

#### Major Reports (continued...):

- Deduplication Report & Register
- DBT Summary Report

#### Major Masters:

- Country Level Master
- State Level Master
- District Level Master
- TU Level Master
- Health Facility

#### Data Integration: Received

- LIMS
- PFMS
- 99DOTS, MERM, VOT

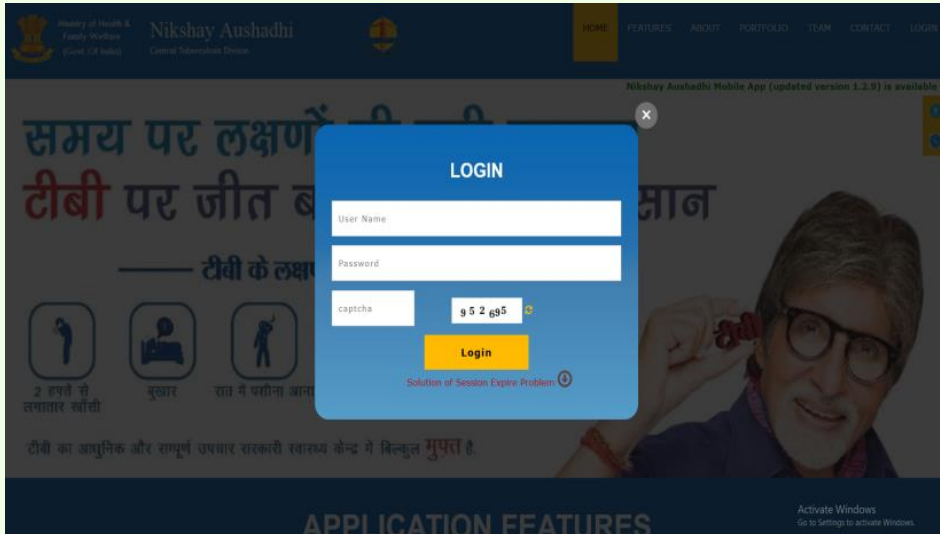
#### Data Integration: Shared

- Nikshay Aushadhi
- NIC and text Local
- Gujrat MIS
- UP MIS
- SOCH MIS
- UMANG
- ETAAL

# 17. NIKSHAY AUSHADHI

[www.nikshayaushadhi.in](http://www.nikshayaushadhi.in)

**Objective:** Nikshay Aushadhi is a web based supply chain management application, developed by CDAC-Noida, it deals with the management of stock of various Anti- TB Drugs and Lab items required by State-Drug Stores, District Drug Stores, their TUs and Primary Health Institutes (PHI) to distribute drugs to patients throughout the nation.



Application Launch Year: 2018

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Consolidated at Facility



**Compliance of Standards:** ICD, NOMAT, NHR



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** District, Block, Facility  
**Training Conducted:** State, District, Block, Facility (767 trained)



## Key Information

### Major Data Elements:

- Store Level Information
- Store Hierarchy Information
- Drug Dispensation Details
- Box Details
- Generic Drug Details
- Branded Drug Details
- User Details
- Purchase Order Details
- Drug Transfer Details
- Release Order Details

### Major KPIs:

- Purchase Order
- Drug Transfer
- Release Order
- Advance Shipment Details
- Supplier Delivery Details
- Box Preparation
- Issue to Patient
- Drug Request/Issue/Acknowledge
- Return Process

### Major Reports:

- Stock Analysis Report
- Supplier Drug Report
- State wise Drug Expired
- Store wise Drug Expiry
- CMSS & GMSS Stock
- Expiry Details
- Stock Ledger
- Stock in hand

## 17. NIKSHAY AUSHADHI

[www.nikshayaushadhi.in](http://www.nikshayaushadhi.in)

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



#### Technology:

Windows 7,8,10, Linux 7.2, JBOSS 6.1, Enterprise DB 9.4

**Hosting:** CDAC, Noida

#### Roll-out Status



#### Rolled out in:

- Rolled out in all States & UTs across India

#### Mobile app and Dashboard



#### Mobile app:

Yes

**App Name:** NIKSHAY AUSHADHI

#### Dashboard:

Yes

nikshayaushadhi.in

**Mode of Application Development:** CDAC, Noida

**Aadhaar Captured:** No

**Data Encryption:** NA

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

**Usage of Email/SMS:** Yes

### Contact Details of Program Division

Dr. Kuldeep Singh Sachdeva,  
Central TB Division, MoHFW  
Tel. 91-11-23062980

Email: [ddgtb@rntcp.org](mailto:ddgtb@rntcp.org)

### Key Information

#### Major Reports (continued...):

- Issue to Patient
- Issue & Receipt Register

#### Major Masters:

- Drug Master
- Generic Drug Master
- Item Set Master
- Drug Warehouse Master
- Circular Master
- Drug Mapping Master
- Authority Hierarchy details Master
- Drug Warehouse hierarchy Master
- Group Master
- Sub Group Master

#### Data Integration: Received

- NIKSHAY
- CMSS

#### Data Integration: Shared

- CMSS

# 18. Rashtriya Bal Suraksha Karyakram

[www.rbsk.gov.in/RBSKLive](http://www.rbsk.gov.in/RBSKLive)

**Objective:** RBSK Web Application captures data of the screening conducted by the Mobile Health Teams deployed under the program in the health blocks. The application captures details of all institutions visited by the teams and the screening conducted by them during the visits.

The children identified with certain health conditions are referred to health facilities for free treatment. The applications aims to capture the important indicators that indicate the incidence and prevalence of health conditions among children till the age of 18 years.



Application Launch Year: 2015 (V2.0.1)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective  
**Data Level:** Beneficiary



**Compliance of Standards:** LGD



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** State, District, Block  
**Training Conducted:** District level trainings, In person training 200 (approx.) Currently in virtual mode around 500 trained



## Key Information

### Major Data Elements:

- Micro-Plan for MHT Visit
- Individual Child Screening
- Daily Visit Summary
- Child Referrals
- Child Treatment

### Major KPIs:

- Number of Operational Mobile Health teams.
- Number of Institutions Planned and Visited
- Number of children screened for health conditions
- Number of children identified with birth defects.
- Number of children identified with Deficiencies.
- Number of children identified with Diseases
- Number of children identified with development delays
- Number of students identified with adolescent concerns
- Number of children under treatment
- Number of children lost to follow-up

# 18. Rashtriya Bal Suraksha Karyakram

[www.rbsk.gov.in/RBSKLive](http://www.rbsk.gov.in/RBSKLive)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



#### Technology:

Windows 2010, IIS 7.0, SQL Server 2008 R2

**Hosting:** NIC National Data Centre

### Roll-out Status



#### Rolled out in:

- All States (except Delhi, Lakshadweep & Andaman & Nicobar Islands)

### Mobile app and Dashboard



**Mobile app:** No  
**App Name:** NA

#### Dashboard:

Yes  
<https://rbsk.gov.in/RBSKLive/Report/BasicDashboardReport.aspx>

**Mode of Application Development:** By hiring project mode manpower

**Aadhaar Captured:** Yes

**Data Encryption:** No

**Aadhaar Authentication:** Yes

**Authentication Agency:** NA

**Usage of Email/SMS:** No

## Contact Details of Program Division

Dr(Mrs) Sumita Ghosh, Addl Commissioner  
Child Health Division, MoHFW (GOI)  
Email: [drsumitaghosh.cahic@gmail.com](mailto:drsumitaghosh.cahic@gmail.com)

## Key Information

### Major Reports:

- Master Updation Reports
- Mobile Health Team Visit Reports
- Screening Reports
- Referral Reports
- Treatment Reports

### Major Masters:

- Mobile Health Team Masters
- MHT Members
- DEIC Masters
- Referral Facility Masters
- Location Masters
- Institution Masters of Anganwadi and Schools
- Children Masters
- 4D's Master inclusive of Defect Masters and Adolescent concerns

### Data Integration: Received

- RCH (Masters, Mother Registration and Child registration)

### Data Integration: Shared

- NA

# 19. Reproductive and Child Health

[www.rch.nhm.gov.in/](http://www.rch.nhm.gov.in/)

**Objective:** To reduce the Maternal Mortality Ratio (MMR) & Infant Mortality Rate (IMR). The application helps in tracking the services provided to mother and child.

Accordingly MCTS was Designed and developed in 2008 and upgraded to RCH in 2015 for identification and tracking of the individual beneficiary throughout their reproductive lifecycle Portal also helps in keeping track and monitoring of service delivery and reporting related to various Reproductive, Maternal, New born and Child health (RMNCH) schemes/ programme of MoHFW



Application Launch Year: 2015 (V1)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Retrospective & Real time  
**Data Level:** Beneficiary Level at Facility & community



**Compliance of Standards:** LGD, NIN, LOINC Codes & SNOMED- CT



**GIS Reporting:** No  
**BI Tools Usage:** No



**User Level:** All Levels  
**Training Conducted:** State & District level (approx 2000 trained)



## Key Information

### Major Data Elements:

- Eligible Couple
- Pregnant Women & ANC Service
- Child Birth Registration
- Immunization Services
- VHND Services
- Work-Plan for ANM's

### Major KPIs:

- Family Planning indicators
- Major Health Indicators
- Child Health Indicators
- Critical Indicators
- Immunization Indicators
- KPI Indicators

### Major Reports:

- RCH Implementation Coverage
- Beneficiary Registration Count
- Mother Registration Count
- Tracking of Services Mother
- Tracking of Services Child
- MH key Indicator as per RMNCH + A
- PW (High Risk & Severe Anemic)
- User based Performance



# 19. Reproductive and Child Health

[www.rch.nhm.gov.in/](http://www.rch.nhm.gov.in/)

## Technology, Roll out Status, Mobile App and Dashboard

### Technology and Hosting



**Technology:**  
Windows Server 2012, .Net 4.8, SQL Server 2008 R2, IIS 8.5, KONG, Elastic Search

**Hosting:** NIC

### Roll-out Status



#### Rolled out in:

- 34 States using RCH
- Rajasthan & Tamil Nadu using State Specific App

### Mobile app and Dashboard



**Mobile app:** No  
**App Name:** NA

#### Dashboard:

Yes

<https://rchrpt.nhm.gov.in/RCH RPT/Dashboard>

### Mode of Application Development: NIC

(Integrated RCH 2.0 manual implementation under process, new web and mobile app for new RCH 2.0 will be developed. Scope of work has been prepared. BI, GIS, AI, ML/DL features will be included in the new application in line with NDHM way forward)

**Aadhaar Captured:** No

**Data Encryption:** No

**Aadhaar Authentication:** NA

**Authentication Agency:** NA

### Usage of Email/SMS:

1. SMS to ANM/ASHA
2. SMS to users. Implementation coverage daily basis

## Contact Details of Program Division

Shri Nagesh Kumar Singh  
Director, MMP Cell, RCH Division, MoHFW  
406 D, Nirman Bhawan, New Delhi  
Phone: 011-23063968 E-mail:nagesh.kumarsingh@nic.in

## Key Information

### Major Masters:

- Census Village
- Census District/ Taluka
- Health Block
- Ward
- Health Sub Facility
- Village
- User Management
- Estimates
- Municipality
- Sub Village

### Data Integration: Received

- NA

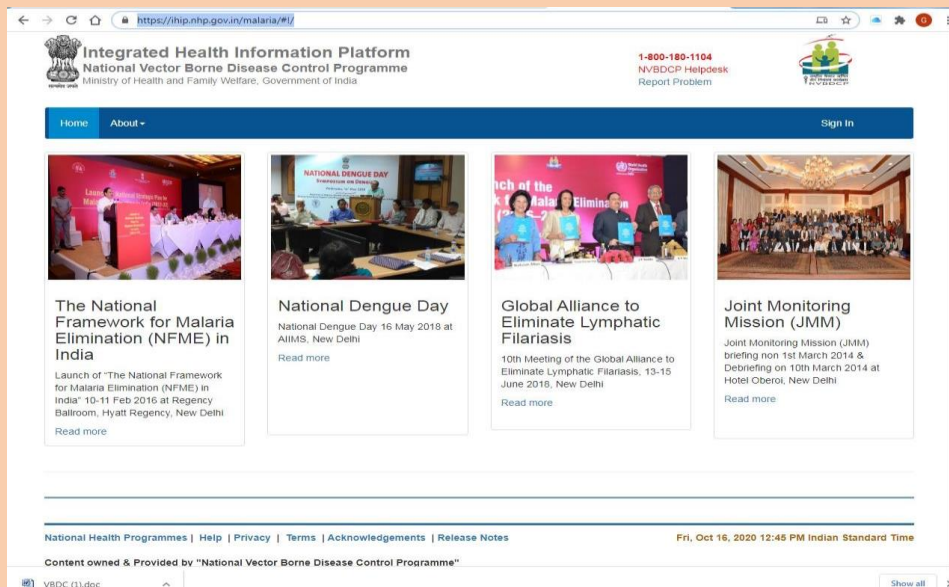
### Data Integration: Shared

- HWC (Health Wellness Centers)
- Location Master (MWMIS)
- Ejanma
- CPSMS
- All State
- RBSK
- ICDS
- DCM
- NITI aayog
- NCD
- Prerna (JSK)
- Samagra
- ANMOL
- ETAAL
- PFMS
- Kilkari & Mobile Academy
- MCTFC (Mother & Child Tracking facilitation Centre)

# 20. Web Based Malaria Management Information System

[www.ihp.nhp.gov.in/malaria/#/!](http://www.ihp.nhp.gov.in/malaria/#/)

**Objective:** Main objective of the malaria management information system is for Monitoring and Management of Malaria cases and deaths in India



Application Launch Year: 2018,  
IHIP-National Malaria Elimination Program (v2.3)

## Data Entry, User Level, Training and Reporting

**Data Entry:** Real time  
**Data Level:** Beneficiary at Facility



**Compliance of Standards:** LGD, NIN



**GIS Reporting:** Yes  
**BI Tools Usage:** No



**User Level:** State, District, Block, Facility  
**Training Conducted:** State, District  
Odisha-68, Himachal Pradesh-45



## Key Information

### Major Data Elements:

- Ihsp\_Patient Details
- Ihsp\_linelisting
- Ihsp\_linelisting results

### Major KPIs:

- Patient Details
- Clinical Details
- Test Details
- Treatment Details
- Indoor Residual Spray
- Long Lasting Residuals Nets (LLIN)
- Outbreak Event Alert

### Major Reports:

- Disease Summary
- Malaria Form Summary

### Major Masters:

- Ihsp\_State master
- Ihsp\_District master
- Ihsp\_Subdistrict master
- Ihsp\_Health condition master
- Ihsp\_Health facilities master
- Ihsp\_facilitytype master
- Ihsp\_localbody wards master
- Ihsp\_Officers
- Ihsp\_lab test master
- Ihsp\_lab sample master

## 20. Web Based Malaria Management Information System

[www.ihip.nhp.gov.in/malaria/#!/](http://www.ihip.nhp.gov.in/malaria/#!/)

### Technology, Roll out Status, Mobile App and Dashboard

#### Technology and Hosting



**Technology:**  
UBUNTU 16.04.2 LTS, APACHE2 HTTP Server2.x, Apache tomcat 7.x, PostgreSQL 9.x, JAVA, Springboot 1.5.8  
**Hosting:** IDSP BSNL

#### Roll-out Status



**Rolled out in:**

- National (Piloting in Odisha and Himachal Pradesh)
- All Districts

#### Mobile app and Dashboard



**Mobile app:** No  
**App Name:** NA  
**Dashboard:** No

**Mode of Application Development:** Other, Application Developed by WHO

**Aadhaar Captured:** Yes

**Data Encryption:** Yes

**Aadhaar Authentication:** No

**Authentication Agency:** NA

**Usage of Email/SMS:-** Yes

- Health facility user mobile number validation and any alerts
- Health facility user email validation and any for notifications

### Contact Details of Program Division

Dr Sunil Vilasrao Gitte  
Joint Director (NVBDCP)  
Mobile: 09407694124  
Email: [sunilgitte.nvbdcg@gmail.com](mailto:sunilgitte.nvbdcg@gmail.com),

### Key Information

#### Data Integration: Received

- IHIP- IDSP (Masters - Health Facilities, States, Districts, Sub Districts, Villages, Wards, Local bodies, GIS-States, Districts, Sub Districts, Villages)

#### Data Integration: Shared

- NA

# Contributors

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# Abbreviations

<b>Acronym</b>	<b>Definition</b>
AI	Artificial Intelligence
ANC	Antenatal Care
ANM	Auxiliary Nurse Midwife
ANMOL	ANM Online
API	Application Program Interface
ASHA	Accredited Social Health Activists
AWS	Amazon Web Services
BI	Business Intelligence
CDAC	Centre for Development of Advanced Computing
CGHS	Central Government Health Scheme
CHI	Centre for Health Informatics
CPHC	Comprehensive Primary Health Care
DBT	Direct Benefit Transfer
DVDMS	Drug & Vaccine Distribution Management System
e-Gov	electronic Governance
EHR	Electronic Health Record
ePMU	e-Governance Program Management Unit
e-VIN	Electronic Vaccine Intelligence Network
GIS	Geographic Information System
GoI	Government of India
HIV	Human Immunodeficiency Virus
HMIS	Health Management Information System
HWC	Health & Wellness Centre
IDSP	Integrated Disease Surveillance Program
IEC	Information, Education and Communication
IHIP	Integrated Health Information Platform
IHSP	Integrated Health Surveillance Platform

# Abbreviations

<b>Acronym</b>	<b>Definition</b>
IT	Information Technology
KAMIS	Kala-Azar Management Information System
KPI	Key Performance Indicators
LGD code	Local Government Directory Code
MA	Mera Aspataal
MCTS	Mother and Child Tracking System
MIS	Managed Information System
ML	Machine Learning
MMIS	Malaria Management Information System
MoHFW	Ministry of Health & Family Welfare
NACO	National AIDS Control Organization
NACP	National AIDS Control Programme
NCCMIS	National Cold Chain and Management Information System
NCD	Non communicable Disease
NDHM	National Digital Health Mission
NGD	National Government Directory
NHM	National Health Mission
NHSRC	National Health Systems Resource Centre
NIC	National Informatics Centre
NISC	National Injury Surveillance Centre
NIN	National Identification Number
NPCBVI	National Programme for Control of Blindness & Visual Impairment
NRHM	National Rural Health Mission
NUHM	National Urban Health Mission
NVHCP	National Viral Hepatitis Control Program

# Abbreviations

<b>Acronym</b>	<b>Definition</b>
OBD	Outbound Dialing
OTP	One Time Password
PHC	Primary Health Centres
PHI	Primary Health Institute
PMU	Project Management Unit
RBSK	Rashtriya Bal Suraksha Karyakram
RCH	Reproductive Child Health
RMNCH	Reproductive, Maternal, New born and Child Health
SC	Sub-Centres
SIMS	Strategic Information Management System
SMS	Short Message Service
TB	Tuberculosis
TU	TB Unit
UNICEF	United Nations Children's Fund
UT	Union Territories
VHND	Village Health Nutrition Day
WHO	World Health Organisation



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