



INTEGRATED ROAD ACCIDENT DATABASE (iRAD) e-DETAILED ACCIDENT REPORT (eDAR)

ADVANCEMENT IN ROAD SAFETY



ACCIDENTS ENTERED BY POLICE in eDAR APP (YEAR 2024)

Police District Name	Total accidents entered by Police	Requests sent by Police to Transport Department		Requests sent by Police to Road owning requests		Requests sent by Police to Health department		
		Request sent	Request not sent	Request sent	Request not sent	Drunken Drive requests sent	Postmortem requests sent	Accident ID linked with Victim ID
Baddi	142	8	134	79	63	1	2	0
Bilaspur	142	129	13	101	41	4	7	15
Chamba	78	74	4	75	3	1	6	6
Dehra	53	12	41	11	42	0	0	0
Hamirpur	83	18	65	41	42	2	1	0
Kangra	164	62	102	31	133	26	13	2
Kinnaur	34	22	12	30	4	5	4	0
Kullu	157	18	139	18	139	4	5	0
LahulSpiti	22	16	6	21	1	2	6	3
Mandi	268	252	16	135	133	5	8	1
Nurpur	77	7	70	6	71	4	0	0
Shimla	319	31	288	114	205	5	3	1
Sirmaur	171	64	107	98	73	1	2	0
Solan	187	172	15	145	42	5	2	0
U N A	212	73	139	37	175	3	0	0
Grand Total	2109	958	1151	942	1167	68	59	28
Percentage of requests sent to other stakeholders		45.4 %	54.6 %	44.7 %	55.3 %	3.2 %	2.8 %	1.3 %

POLICE MODULE ACTION REQUIRED

- **Monitoring data quality** at the State, District, and Station levels.
- **Ensure timely requests to other stakeholders**, as Transport and Highway officials can only initiate data entry in iRAD after receiving a request from the Police Station Admin.
- **Sensitization workshops** on iRAD/eDAR data quality & eDAR claim settlement module
- **Preparedness for the eDAR claim settlement module** according to GSR 164 (i.e., generation of Form I to X through eDAR app).
- **Utilize the iRAD-CCTNS feature** available within the iRAD & CCTNS application as data can flow both way.
- **Linking of accident IDs with Victim IDs** referred by Health
- **Identification of Master trainers** within the department for further support

RTO-WISE ACCIDENTAL VEHICLE INSPECTIONS (YEAR 2024)

RTO Office	No. of vehicle inspection requests sent by Police	Completed/Inspected by MTO of Police	Completed by HRTC	Completed by MVI of Transport	Pending at RTO or Unit Office
RTO BADDI AT NALAGARH	10	0	0	0	10
RTO BILASPUR	206	183	0	0	23
RTO CHAMBA	85	76	1	0	8
RTO DHARAMSHALA	127	0	0	0	127
RTO HAMIRPUR	30	0	0	0	30
RTO KULLU	43	0	5	0	38
RTO MANDI	375	368	3	1	3
RTO RAMPUR	40	0	2	0	38
RTO SHIMLA	27	0	0	1	26
RTO SIRMAUR AT NAHAN	97	2	0	0	95
RTO SOLAN	259	48	0	0	211
RTO UNA	123	22	6	0	95
Grand Total	1422	699	17	2	704

REJECTION CASES BY MVI

The Mandi police reported issues regarding cases rejected by the Motor Vehicle Inspector (MVI).

HR19S5441 - Request Details

Requesting Officer	:	HPMANSDR
Requested on	:	2025-01-04 18:23:53
RTO / MTO	:	HP65
Status	:	Rejected
Reason	:	Tour program
Place	:	Police Station
Responded By	:	HPMANMVI2
Responded On	:	2025-01-07 10:39:46

WITHOUTREGN01 - Request Details

Requesting Officer	:	HPMANSDR
Requested on	:	2024-12-27 16:08:36
RTO / MTO	:	HP65
Status	:	Rejected
Reason	:	Tour program
Place	:	Accident Spot
Responded By	:	HPMANMVI2
Responded On	:	2025-01-07 10:40:02

HR70F9128 - Request Details

Requesting Officer	:	HPMANSDR
Requested on	:	2025-01-14 11:01:01
RTO / MTO	:	HP65
Status	:	Rejected
Reason	:	Tour program
Place	:	Police Station
Responded By	:	HPMANMVI2
Responded On	:	2025-01-14 16:10:20

TRANSPORT MODULE ACTION REQUIRED

- **State/RTO Admin to monitor the status** of accidental vehicle inspections.
- State/ RTO Admin in consultation with Police **to check the number of authorised engineers/mechanics available in the State** & streamline the module.
- **Mapping of Police Stations and MVIs, MTOs, and HRTC/HPPWD mechanics** (13 MVIs mapped with 52 Police Stations & letter also issued to Districts).
- Review the eDAR Accident Inspection Report (AIR) and Form IX Mechanical Inspection Report (MIR) format (as per GSR 164) and officially notify for the **replacement of the old accidental vehicle inspection format with the eDAR AIR format.**
- **Identification of Master trainers** within the department for further support

DEPARTMENT-WISE ACCIDENT SPOT INSPECTION STATUS (YEAR 2024)

S.No	Circle Name	Requests sent by Police	Inspected/Completed by Engineer	Pending at Engineer
1	BRO-Deepak	26	13	13
2	GNHCP-MoRTH	5	5	0
3	HPPWD	653	361	292
4	NHAI	260	241	19
Grand Total		944	620	324

HPPWD ACCIDENT SPOT INSPECTION STATUS (YEAR 2024)

S.No	Circle Name	Requests sent by Police	Inspected/Completed by Engineer	Pending at Engineer
1	SHIMLA	98	73	25
2	SOLAN	179	78	101
3	JOGINDER NAGAR	35	22	13
4	MANDI	150	102	48
5	KULLU	32	31	1
6	HAMIRPUR	63	54	9
7	BILASPUR	160	157	3
8	UNA	48	42	6
9	DHARAMPUR	30	26	4
10	PALAMPUR	99	16	83
11	NURPUR	14	6	8
12	DALHOUSIE	135	125	10
13	RAMPUR	83	38	45
14	NAHAN	169	61	108
15	ROHRU	24	13	11
16	NH SHAHPUR	77	74	3
17	NH SHIMLA	147	143	4
18	DEHRA CIRCLE	0	0	0
TOTAL		1,543	1061	482

ROAD OWNING MODULE ACTION REQUIRED

- **Onboarding of pending road-owning agencies**, e.g., MC, BBND, etc.
- **Ensure timely responses to road inspection requests sent by the Police** as data entered will flow in Form VIII of the eDAR claim settlement module.
- **Field users should start feeding long-term and short-term remedial measures** in the eDAR app.
- **State, Circle, and Division Administrators must update the Action Taken Report** in the eDAR app.
- **Agencies should share details of road stretches with police field officials** to prevent confusion and provide road layer shapefiles with attributes to the eDAR development team for further incorporation.
- **Identification of Master trainers** within the department for further support

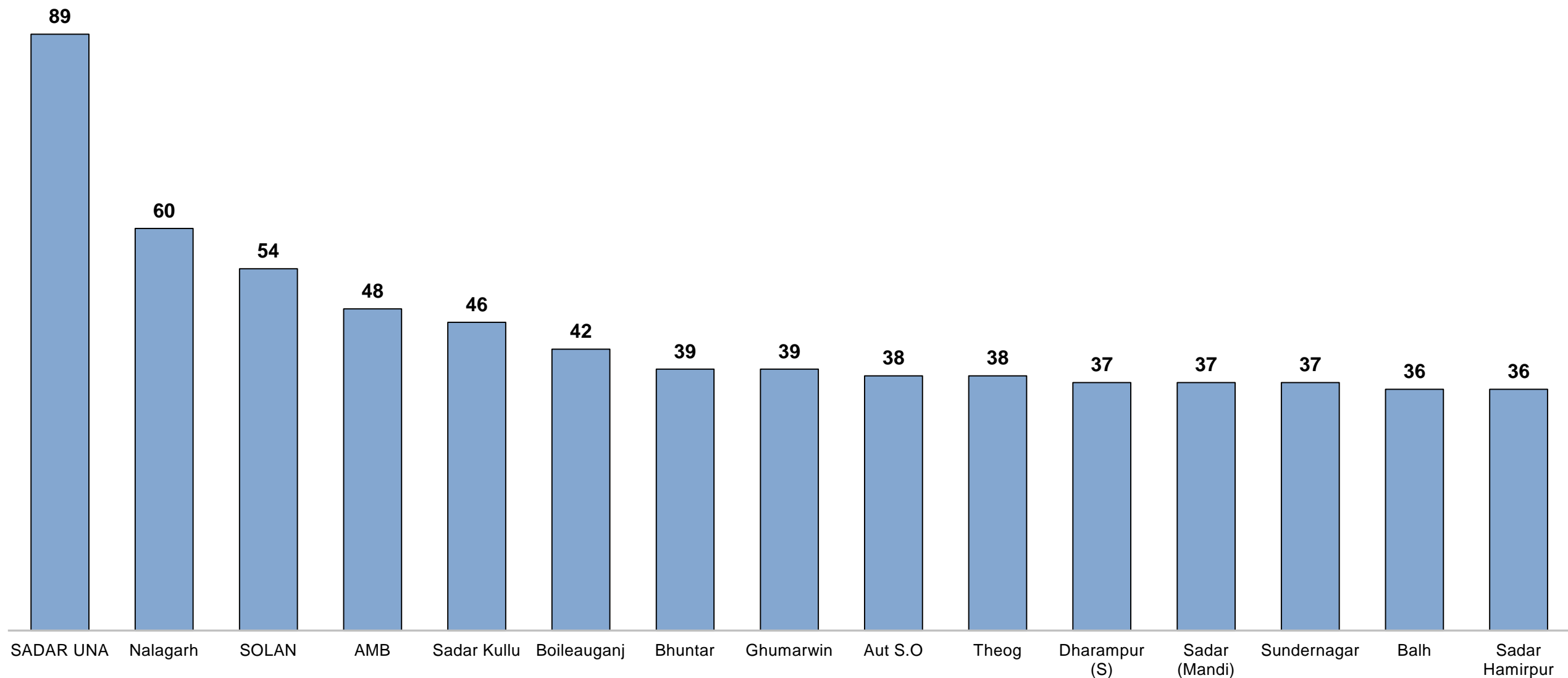
HEALTH MODULE STATUS (YEAR 2024)

S.No	District Name	Hospitals Count	Patients Count	Accidents Linked
1	BILASPUR	37	253	15
2	CHAMBA	55	11	6
3	HAMIRPUR	53	12	0
4	KANGRA	138	65	2
5	KINNAUR	30	7	0
6	KULLU	45	16	0
7	LAHUL & SPITI	20	3	3
8	MANDI	134	85	1
9	SHIMLA	148	13	1
10	SIRMAUR	67	3	0
11	SOLAN	49	0	0
12	UNA	38	21	0
TOTAL		814	489	28

HEALTH MODULE ACTION REQUIRED

- **Confirm onboarding of all health institutions** (both Government and Private).
- **State/District Admins (CMOs) should check for and delete duplicate hospitals** in the eDAR app.
- Start **feeding treatment data for accident victims into the eDAR app** as data entered will flow in Form VI of the eDAR claim settlement module.
- **Ensure Police intimation in all cases.**
- **Review eDAR health module certificates**(MLC, Post-mortem, Hurt etc.) and start issuing them digitally through the eDAR app.
- **Repositioning of ambulances** based on eDAR data.
- **Identification of Master trainers** within the department for further support

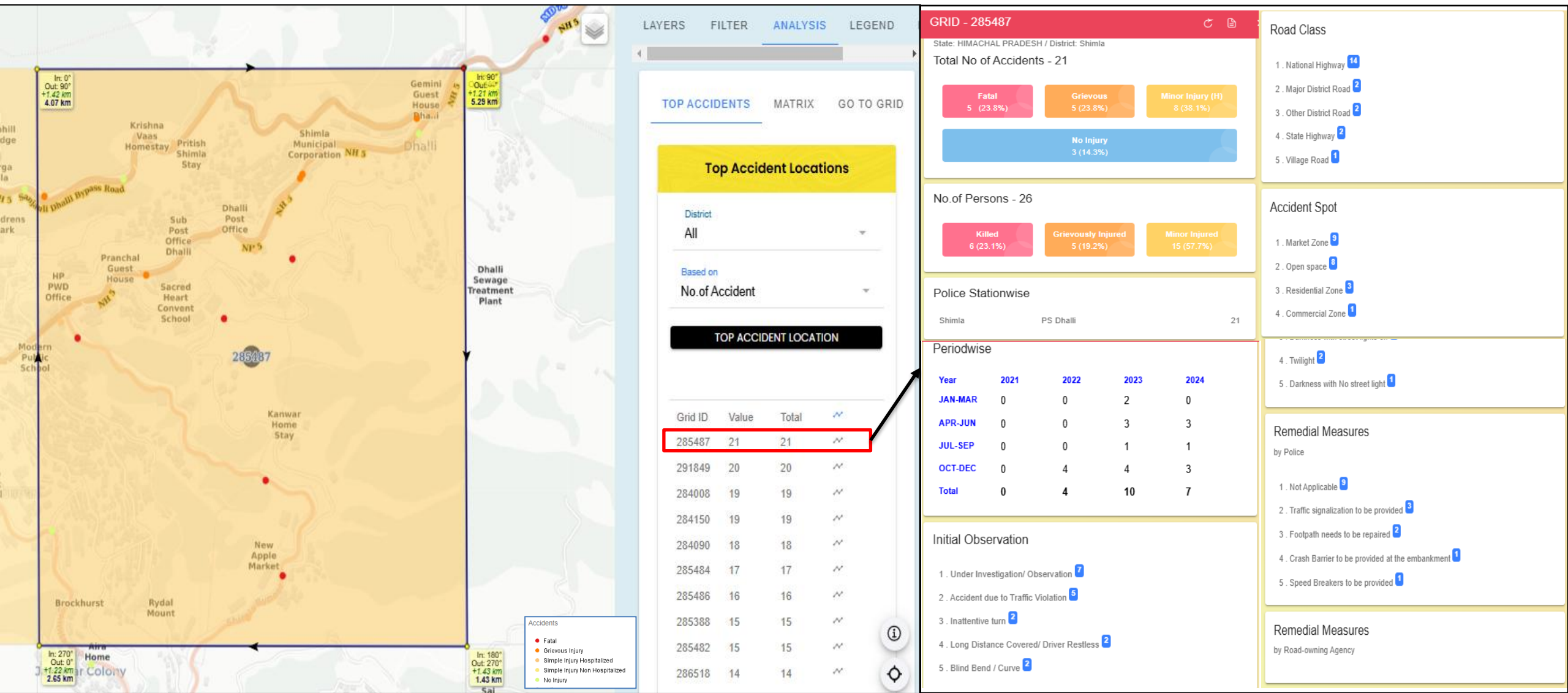
TOP 15 POLICE STATIONS 2024 (BASED ON eDAR DATA)



TOP 15 ACCIDENTS 2024 (BASED ON eDAR DATA)

S.No	District Name	Station Name	Accident ID	Accident Date & Time	Landmarks	Vehicles Count	Killed	Grievously Injured	Minorly Injured	No Injury
1	Mandi	Padhar	202412250300013	26-Oct-2024 : 05:24 PM	link road barot to ghatashni	1	5	0	0	0
2	Kinnaur	Reckong Peo	202412246210001	17-Jan-2024 : 11:45 AM	Near Hotel Buro the Gate	1	5	0	0	0
3	Kullu	Anni	202412247050013	10-Dec-2024 : 10:45 AM	SHAKELAR	1	5	0	37	0
4	Kullu	Anni	202412247050003	11-Apr-2024 : 09:30 PM	Batli Nala dhank near village khaneri	1	4	0	0	0
5	Kinnaur	Pooh	202412246360005	05-Sep-2024 : 07:30 AM	Near CHC Pooh	1	4	0	3	0
6	Shimla	Jubbal	202412251230001	09-Jan-2024 : 01:30 PM	CHEENG KAINCHI	1	4	0	0	0
7	Chamba	Sadar Chamba	202412243350018	06-Jun-2024 : 09:15 AM	GPS Chhuchien distance 500mtr	1	4	0	9	0
8	Shimla	Jubbal	202412251230004	21-Jun-2024 : 06:45 AM	NEAR CHAUNRY KAINCHI ELECTRICITY POLE	1	4	3	0	0
9	Shimla	Chopal	202412251120004	13-Mar-2024 : 07:30 PM	Near Rain ShulterTransfarmar	1	3	0	1	0
10	Shimla	Rampur	202412251320040	02-Dec-2024 : 06:30 PM	MACHADA KHAD	1	3	0	1	0

TOP ACCIDENT GRID 285487 (BASED ON NO. OF ACCIDENTS)

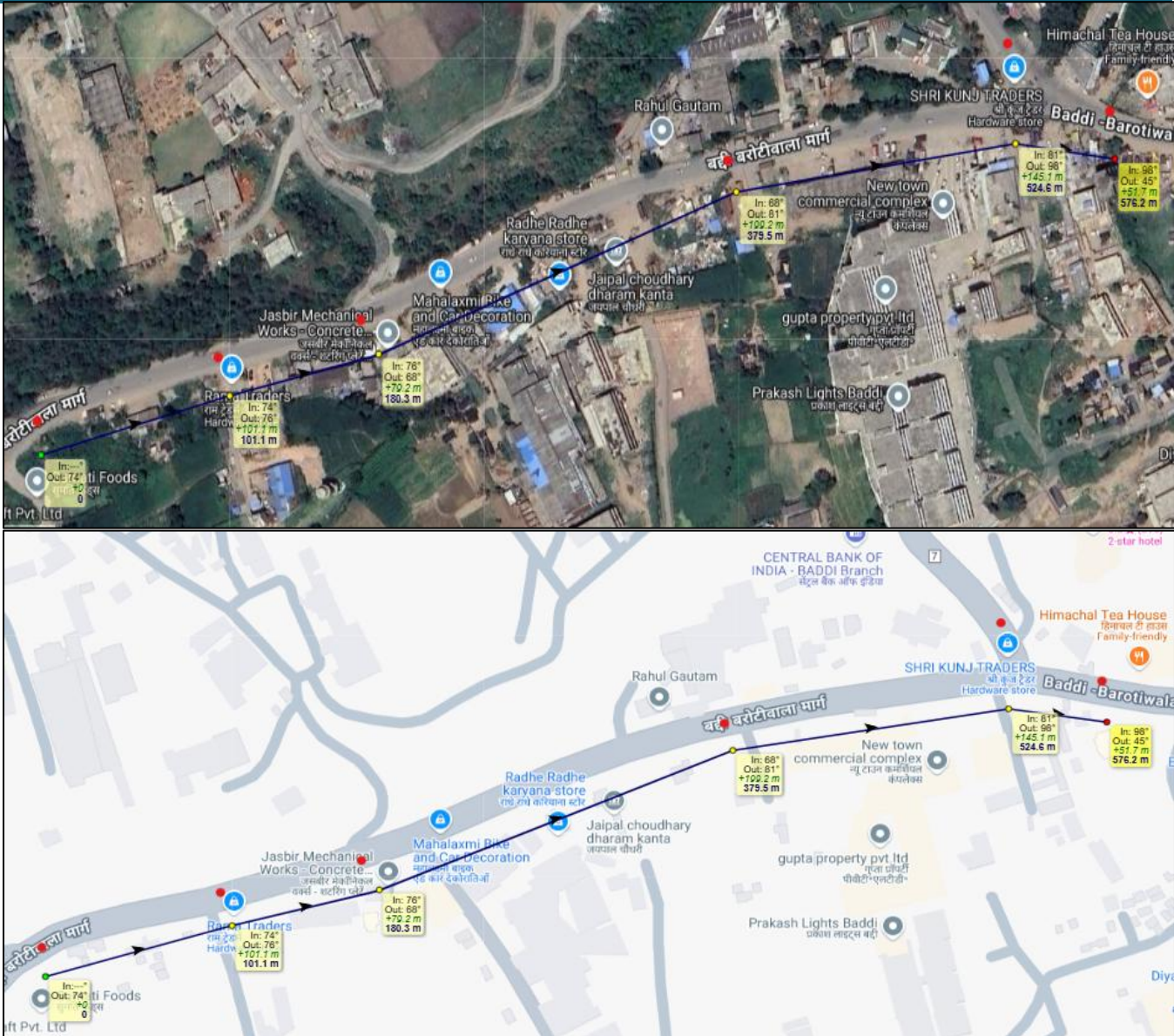


TOP 20 ACCIDENTS GRIDS OF HP (BASED ON NO. OF ACCIDENTS)

S.No	State name	District name	Police Station	Grid ID (1.4*1.2km)	Total Accidents	No. of Fatal Accidents	Number of persons killed	Latitude	Longitude
1	HIMACHAL PRADESH	Shimla	Dhalli	285487	21	5	6	31.10297	77.20796
2	HIMACHAL PRADESH	Mandi	Dhanotu, Sundernagar	291849	20	2	2	31.55129	76.900541
3	HIMACHAL PRADESH	Solan	Sadar Solan	284008	19	4	5	30.898024	77.092678
4	HIMACHAL PRADESH	Solan	Baddi	284150	19	9	10	30.923719	76.797995
5	HIMACHAL PRADESH	Solan	Sadar Solan	284090	18	1	1	30.910833	77.105487
6	HIMACHAL PRADESH	Shimla	Sadar Shimla, East, New Shimla	285484	17	3	3	31.10297	77.169533
7	HIMACHAL PRADESH	Shimla	West	285482	15	2	4	31.10297	77.143914
8	HIMACHAL PRADESH	Shimla	Dhalli	285486	16	2	2	31.10297	77.195151
9	HIMACHAL PRADESH	Shimla	East	285388	15	3	3	31.090161	77.182342
10	HIMACHAL PRADESH	Shimla	Rohru	286518	14	2	2	31.20544	77.745944
11	HIMACHAL PRADESH	Mandi	Balh	293162	14	4	4	31.628145	76.938968
12	HIMACHAL PRADESH	Solan	Dharampur	284002	14	4	8	30.898024	77.015823
13	HIMACHAL PRADESH	Solan	Barotiwala	284069	14	3	3	30.911042	76.836685
14	HIMACHAL PRADESH	Mandi	Balh	292718	14	4	5	31.602527	76.926159
15	HIMACHAL PRADESH	Sirmaur	Poanta Sahib	282136	13	3	3	30.449704	77.566616
16	HIMACHAL PRADESH	Solan	Nalagarh	284966	13	4	4	31.038924	76.708403
17	HIMACHAL PRADESH	Solan	Kandhaghat	284520	13	2	2	30.974879	77.105487
18	HIMACHAL PRADESH	Sirmaur	Majra	282252	13	1	1	30.488131	77.528189
19	HIMACHAL PRADESH	Mandi	Dhanotu, TTPS Ner Chowk	292280	13	4	4	31.576909	76.91335
20	HIMACHAL PRADESH	Kangra	Nagrota Bagwan	301685	13	1	1	32.114893	76.388175

SAMPLE VULNERABLE SPOT (IDENTIFIED USING eDAR APP)

District Name	Police Station	Location Name/Spot Name/ Landmark nearby	Stretch Length (in Meters)	Lat,Long (Start of Stretch)	Lat, Long (End of Stretch)
BADDI	BAROTIWALA	Hotel Classic Baddi-Barotiwal rd	576	30.928968,76.811236	30.93025,76.81707
Road Type (NH/SH/MDR/ODR/Village/ Other)	Road owning Agency Name	Accident count	Number of Deaths	Number of Injured	
Major District Road	HPPWD	6	7	1	
Collision Type	Collision Nature	Traffic Violation			
Vehicle to Vehicle, Vehicle to Pedestrian	Hit from Back, Head on Collision, Overturn	Dangerous overtaking, Rash Driving, High speed			
Remarks					
Remedial measures by Police: Speed Limiter to be provided, Traffic signalization to be provided, Speed Breakers to be provided,Street Lighting to be provided					
Remedial measures by Road Engineer: Obstacles like trees, poles, on-street parking or ribbon development to be removed					



SOME VULNERABLE SPOTS (IDENTIFIED BY SRM/DRMs)

Sr. No	District Name	Police Station	Location Name/Spot Name/ Landmark nearby	Stretch Length (in Meters)	Road Type (NH/SH/MDR/ODR /Village/Other)	Road owning Agency Name	Accident count	Number of Deaths	Number of Injured
1	BADDI	BAROTIWALA	Hotel Classic Baddi-Barotiwala rd	576	MDR	HPPWD	6	7	1
2	BADDI	BADDI	Near Annapurna Hotal	231	NH	NHAI	3	4	0
3	UNA	AMB, BANGANA	Near Baduhi	847	NH	HPPWD	7	8	10
4	UNA	AMB	Near Livgaurd	547.8	NH	HPPWD	7	5	4
5	SHIMLA	DHALLI	Near MASHOBRA BIFURCATION	600	NH	HPPWD	6	7	7
6	SOLAN	DHARAMPUR	Near Giani Dhaba	824	NH	NHAI	6	8	9
7	CHAMBA	SADAR CHAMBA	Police lines to New Bus-stand Chamba	724	NH	HPPWD	6	3	11
8	HAMIRPUR	NADAUN	Alpine International School Bhumpal	440	NH	NHAI	3	3	0
9	HAMIRPUR	NADAUN	Sonu hotel and Restaurant	229	NH	HPPWD	3	3	0
10	KANGRA	NAGROTA BAGWAN	PD Kangra_Nagrota_Bagwan_MarketArea	220.8	NH	NHAI	7	3	12
11	SIRMAUR	MAJRA	near uco bank	178	NH	HPPWD	5	4	8
12	KULLU	BHUNTAR	BHUTTI COLONY	400	NH	HPPWD	4	4	2
13	KULLU	BHUNTAR	Kelheli Bhuntar	863	NH	HPPWD	4	3	4
14	NURPUR	DAMTAAL	In b/w Bharat Petroleum and D.R Hotel & Restraurant	495	NH	NHAI	4	3	3
15	SIRMAUR	MAJRA	Pal dairy and bakery dhaulakuan	720	NH	HPPWD	7	4	11
16	SIRMAUR	PAONTA SAHIB	industrial area gondpur	600	NH	GNHCP	6	3	4

LATEST ROAD SAFETY INITIATIVES TAKEN IN VARIOUS STATES

- **Rajasthan:** 178 Police stations have been identified in Rajasthan where more than 20 deaths are reported in Year 2022 in their jurisdiction.
 - In these Police stations, *two road safety nodal officers are deputed who are specially trained on iRAD app*. These road safety officers will take necessary steps to reduce the number of accidents.
 - Preventive measures have been taken at 33 major accident points *identified from iRAD 2x2 Grid Maps* to reduce the no. of accidents.
- In Rajasthan, iRAD is included in:
 - District Crime meeting chaired by SP,
 - District Road Safety Committee (DRSC) chaired by District Collector,
 - District Road Safety Task Force chaired by District Collector, &
 - Joint Inspection Teams.
- **J&K:** The Chair of DRSC directed Member Secretary to constitute a joint team (*from Police, Transport, Road Owning agencies & iRAD DRM*):
 - To visit the highly accident-prone-areas identified through iRAD, & ascertain the actual causes of road accidents, &
 - Also suggest road safety measures to be adopted to minimize such accidents in future.
- **Meghalaya:** State PWD has installed Crash barrier based on the remedial measures suggested by iRAD app. As per remedial measures suggested by Police department through iRAD app, the State PWD has installed Speed limit signboard at the accident spot.

USAGE OF eDAR DATA IN ROAD SAFETY COMMITTEE- GOA, RJ & MP



On account of its importance, **iRAD application** is included in **Road Safety Training program** officially, and here road safety training, awareness campaign, seminar also includes a session for iRAD.



District level task force constituted under chairmanship of DM, to execute road safety audits where the task force are extensively using iRAD DATA, REPORTS and MAPS



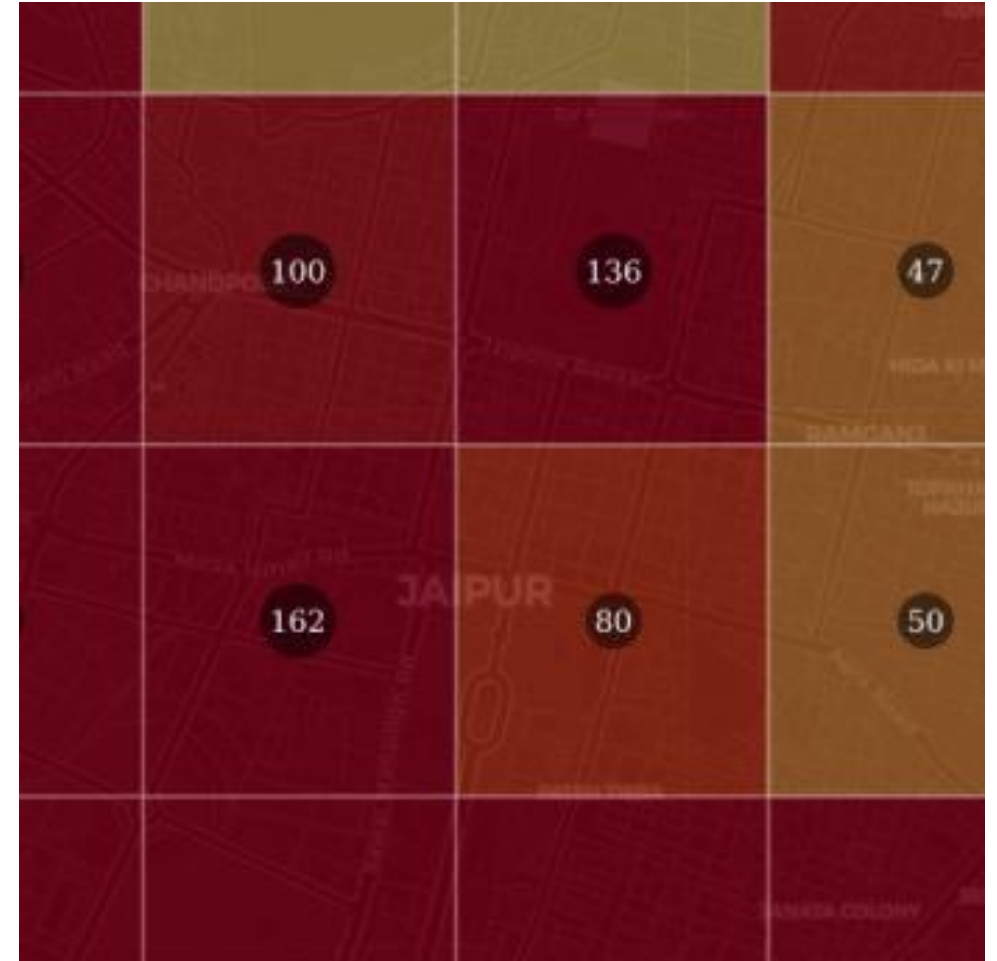
iRAD data like ACCIDENT SPOT, ACCIDENT FACTORS AND REMEDIES as suggested are considered in the discussion of **District Road safety Committee**.

USAGE OF eDAR GRID BY - GRID BASED COMMITTEE - RAJASTHAN



For example – In **Tonk district of Rajasthan**, collected a sum of Rs. 5,28,000/- by making 2,216 challans with the use of traffic team and **Grid based Identified spots**.

With the use of iRAD Grid System, an **Enforcement drive** with Challan team at Identified accident hotspots has been deployed.



EXTENSION TO eDAR (CLAIM SETTLEMENT MODULE)

- ❑ According to GSR 164E from MoRTH and mandated by the Hon'ble Supreme Court of India, the **e-DAR portal will provide instant information on road accidents and help accelerate compensation claims for victims**
- ❑ **Integrated Database:**, Detailed Accident Reports (DAR) for claim procedure will be processed digitally.
- ❑ From **iRAD more than 70% of the datasets would be pushed directly to the e-DAR forms.**
- ❑ On December 23, 2024, MoRTH, **GoI sent a directive to all States/UTs to start generating Form I to X using the eDAR app.**
- ❑ The Motor Accident Claims Tribunals (MACT), State Legal Services Authority (SLSA), Child Welfare Committees (CWC), and insurance companies will generate their forms through the eCourts e-filing system.

20 DAR FORMS NOTIFIED IN MoRTH GSR 164(E)

Generated through eDAR App



FORMS	TITLE
Form-I	<u>First Accident Report (FAR)</u>
Form-II	<u>Rights of Victim(s) of road accident and flow chart</u>
Form-III	<u>Driver's form</u>
Form-IV	<u>Owner's form</u>
Form-V	<u>Interim Accident Report</u>
Form-VI	<u>Victim's form</u>
Form-VI A	<u>Victim's form relating to minor children</u>
Form-VII	<u>Detailed Accident Report</u>
Form-VIII	<u>Site Plan</u>
Form-IX	<u>Mechanical Inspection Report</u>
Form-X	<u>Verification Report</u>

Generated through eCourts App



FORMS	TITLE
Form-XI	<u>Insurance form</u>
Form-XII	<u>Victim Impact Report</u>
Form-XIII	<u>Format of written submissions in death cases</u>
Form-XIV	<u>Format of written submissions in injury cases</u>
Form-XV	<u>Summary of computation of award amount in death cases to be incorporated in the award</u>
Form-XVI	<u>Summary of the computation of award amount in injury cases to be incorporated in the award</u>
Form-XVII	<u>Summary of the computation of award amount in injury cases to be incorporated in the award mentioned in the award</u>
Form-XVIII	<u>Format of record of awards to be maintained by the Claims Tribunal</u>
Form-XIX	<u>Motor Accident Claims Annuity Deposit (MACAD) scheme</u>
Form-XX	<u>Format for the Information of MACT</u>

eDAR Forms (through Police)

The 10 forms developed in eDAR application are as under:

- **Form 1** – First Accident Report (FAR) (By IO to MACT within 48 hours of accident & copy to victim(s), Insurance Co. & SLSA)
- **Form 2** - Rights of victim(s) of Road Accident (To be handed over by IO to Victim(s)/ Family members/ Legal representatives within 10 days of the accident, Rights of victims – Right to immediate medical aid & treatment, Right to copy of FIR & other Forms)
- **Form 3** – Driver's Form (By driver to IO within 30 days)
- **Form 4** – Owner's/ Insured's Form (By owner to IO within 30 days)
- **Form 5** - Interim Accident Report (IAR) (By Passenger(s)/ Pedestrian(s) to IO to MACT within 50 days)
- **Form 6** – Victim's/ Claimant's Form 6 & 6A – Victim's Form relating to minor children of Victim(s)
 - I. By victim(s)/ claimant(s) & Medical Officer to IO within 60 days
 - II. Copy to Insurance Company & SLSA
 - III. Copy of Form 6A to Child Welfare Committee (CWC) & SLSA (in case of minor child)

eDAR Forms (through Police)

- **Form 7** – Detailed Accident Report (By IO to MACT within 90 days & copy to victim(s)/ claimant(s), Driver, Owner, Insurance Company & SLSA). The DAR shall accompany the following documents:
 - a) Site plan as per form 8
 - b) Mechanical inspection report as per form 9
 - c) Verification report as per form 10
 - d) Report u/s 173 of the code of Criminal Procedure, 1973
- **Form 8** – **Site Plan (By IO [through Roads & Highways Engineer]** to MACT along with DAR within 90 days)
- **Form 9** – **Mechanical Inspection Report (By IO [through MVI]** to MACT along with DAR within 90 days)
- **Form 10** – Verification Report (By IO to MACT along with DAR within 90 days through information available on VAHAN)

CASHLESS TREATMENT OF ROAD ACCIDENT VICTIMS eDAR-NHA(TMS) INTEGRATION

COVERAGE

- **Rs. 1.5 lakhs** per victim per episode, for a maximum period of **7 days** from date of accident.

ELIGIBILITY

- **All victims** (irrespective of nationality) injured in road accidents caused by **motor vehicles** on **any category of road**. Covers both insured and uninsured vehicles, as well as hit-and-run cases.

IMPLEMENTATION

- **National Health Authority** in coordination with SHA, Police, empanelled hospitals, etc.

TREATMENT

- Trauma and polytrauma care **packages of AB PM-JAY** co-opted & customized.

APPLICABILITY

- Victims must be admitted at an empanelled hospital within 24 hours of the accident.
- Scheme cover to be exhausted prior to other schemes with similar cover due to legal mandate of MV Act

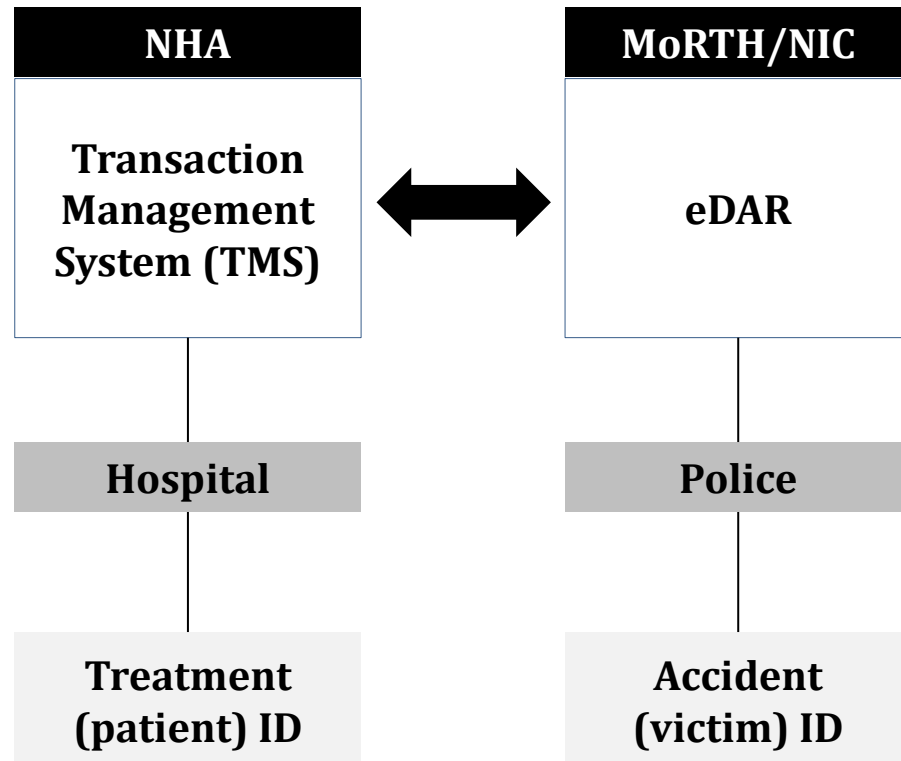
LAUNCH DATE

- On November 8, 2024, MoRTH, GoI shared detailed guidelines with the Government of Himachal Pradesh to roll out the scheme.

IMPLEMENTATION THROUGH IT PLATFORM

IT platform for Scheme

- Electronic linkage between accident victim details and treatment details



Scenarios

Scenario 1:

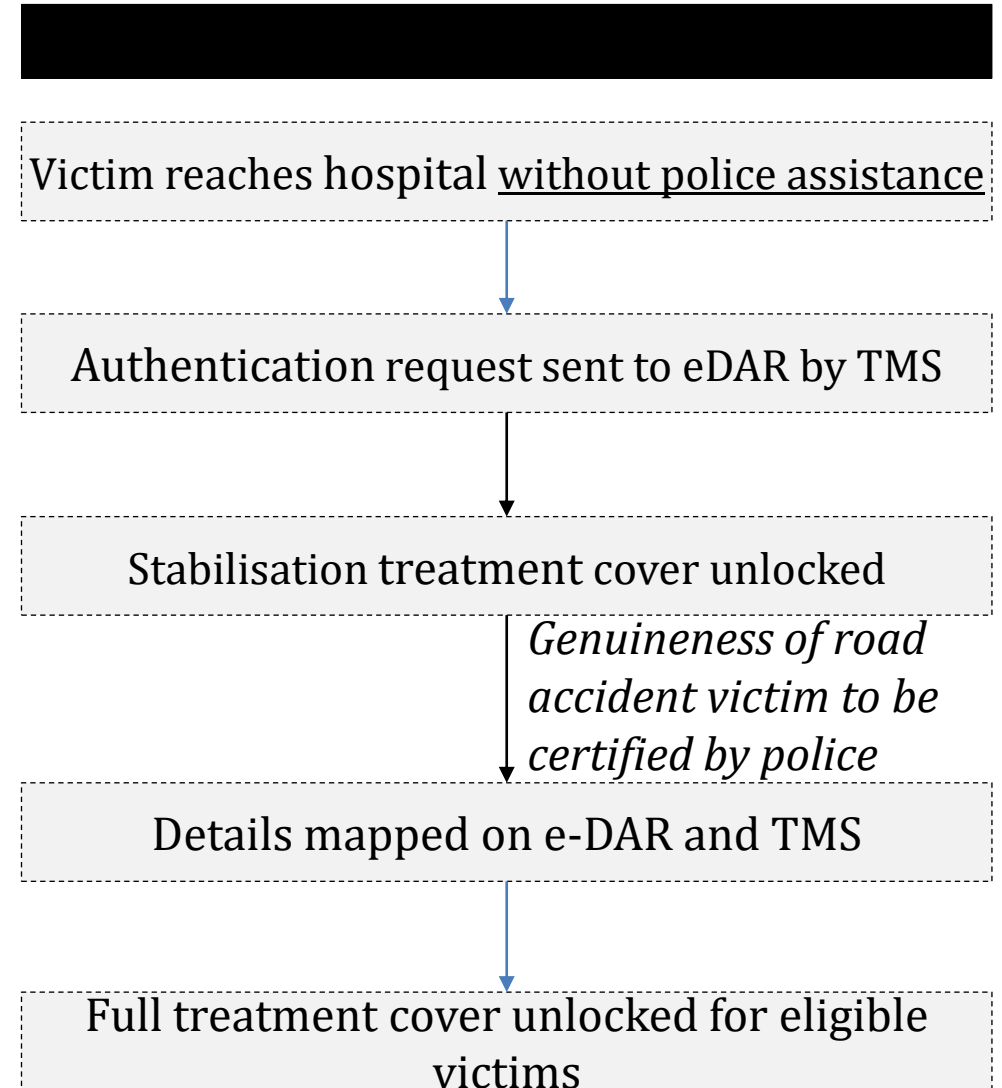
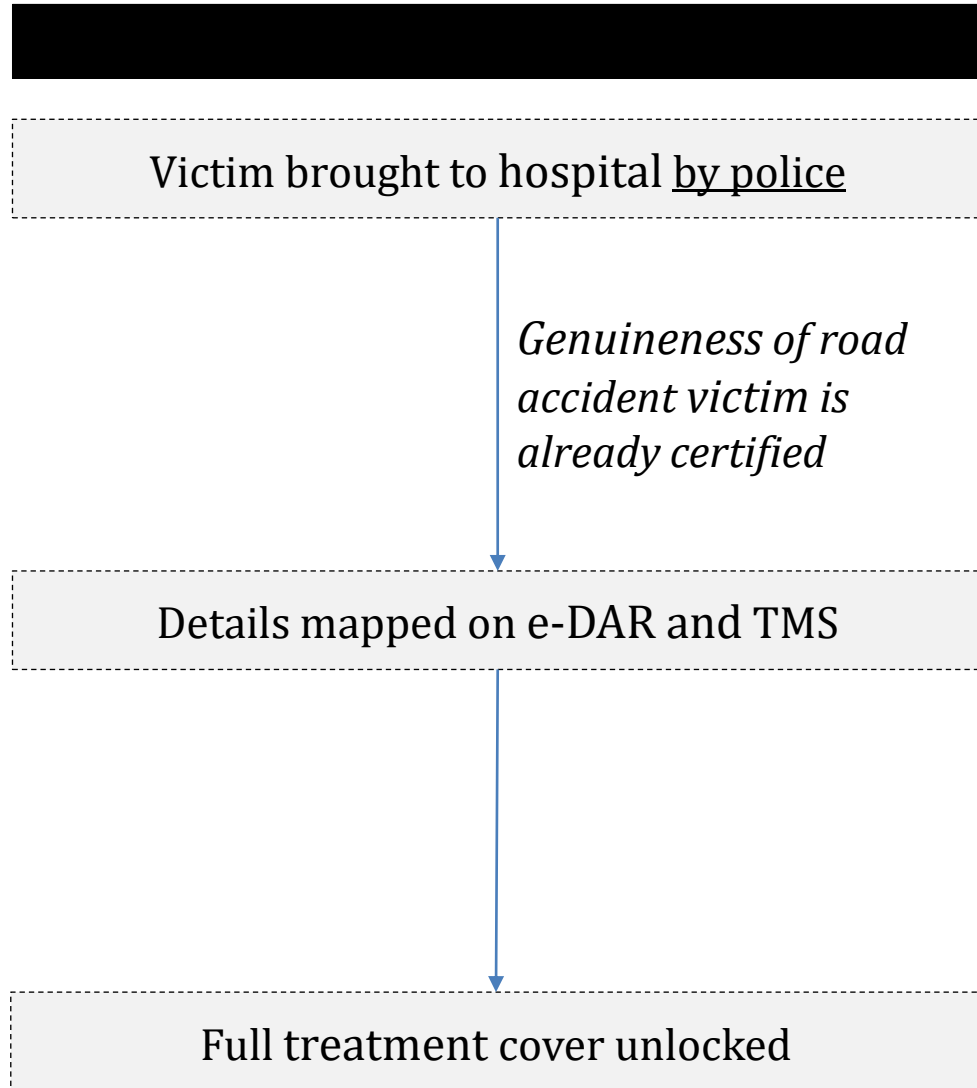
Victim is brought to hospital by police.

Scenario 2:

Victim reaches hospital without police assistance

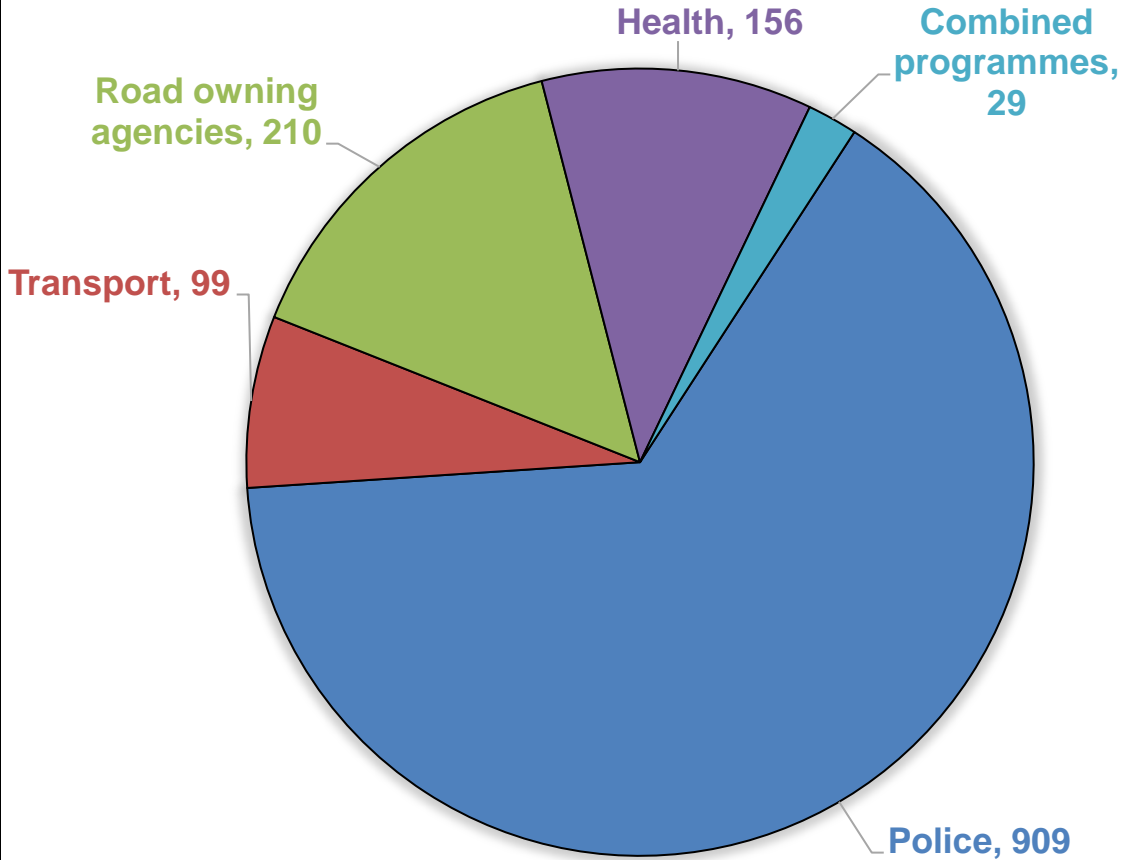
Detailed **guidelines** covering all scenarios provided by GoI

PROCESS FLOW FOR ADMINISTERING TREATMENT IN 2 SCENARIOS

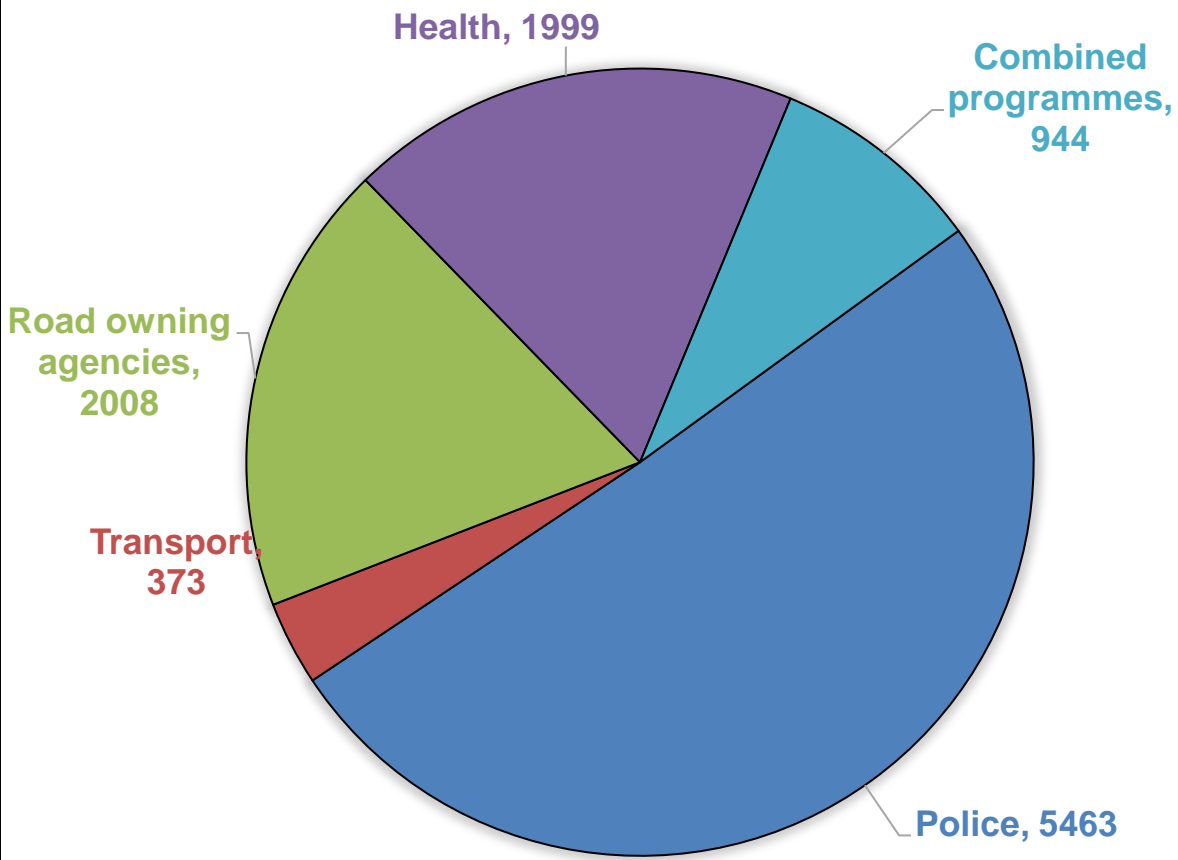


IRAD/eDAR TRAININGS IN HP (BY PROJECT TEAM OF NIC/NICSI)

NO. OF TRAININGS



NO. OF PARTICIPANTS



Trainings from September 2021 to December 2024

THANK YOU