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Annual Report On

PUNJAB ROAD CRASHES & TRAFFIC 2022



Office of the Director General of Police
Punjab

Annual Report on Punjab Road Crashes and Traffic 2022

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1. Introduction

1.1. Summary of Road Crash Scenario in Punjab

- i. A total of 4578 people died in different road accidents; on an average 13 people lost their lives daily in various Road Crashes/ Accidents in Punjab in the year 2022.
- ii. **In 2022, with 4,578 fatalities, Punjab experienced a 0.24% decline in road accident fatalities from previous year. During this period, the country witnessed an increase of 9.4% in road accidents in 2022, resulting in a total of 1,68,491 road accident fatalities in India.**
- iii. Estimated 2.28% of the total country's population lives in Punjab, but its share in the total road accident deaths is varying from 2.7% to 3.5% of road accident deaths of India in the last five years.
- iv. In the year 2022, a total of 5,55,429 Motor vehicles were registered in Punjab account for an annual increasing growth rate of 7.44%. The total cumulative registered vehicle in Punjab till August 2023 was 1.33 Crore vehicles (1,32,87,350).
- v. The number of fatalities per million population of Punjab (Health burden due to traffic) was 142. Three districts of Punjab Fatehgarh Sahib, Rupnagar and S.A.S. Nagar ranked number 1, 2 and 3, respectively.
- vi. Out of 23, in 9 districts reported a decrease in the road fatalities with district Barnala and Kapurthala as a worse hit, where there ranking increased from 11th position to 5th Position and from 18th position to 12th position respectively.
- vii. A decline in the road, fatalities were observed in the months of February, July, September, October, November and December whilst increase in the road accident fatalities in all the other months of are observed as compared with the previous year 2021.
- viii. Over Speeding and Due to Animal are the leading cause of deaths in Punjab. In the year 2022, a total of 2085 people died in road accidents due to over speeding followed by 421 deaths due to the involvement of animal i.e., Due to Animal category.
- ix. A total of 515 people died due to road accidents in three Police Commissionerate jurisdictions, Ludhiana, Jalandhar, and Amritsar account for 11.3% in the total share of road accident fatalities in the state.
- x. As per the socio-economic cost analysis, In Punjab, Road accidents accounted for a loss of rupees 21,517 crores in the year 2022.
- xi. In 2022, the time interval between 6:00 PM and 9:00 PM recorded a maximum number of road accident Fatalities, accounting for 26% of the total accident fatalities in the state.
- xii. Majority of the road accident fatalities occurred in rural areas of Punjab (75%). The share of road accident fatalities occurred in urban areas was 25% in the year 2022.
- xiii. Average deployment of Traffic police personnel against per lakh population in Punjab is 6.5 and at present 62 highway patrol vehicles are deployed on various roads of Punjab near accident black spots. This is likely to be replaced with 144 new Highway Patrol vehicles.

Table 1 Year Wise Summary of Road Accident Deaths and Injuries in Punjab in the current decade

Year	Number of Road Accidents Cases Reported	Number of Road Accidents Deaths	Number of People Seriously Injured	Growth/Decline Rate (+/-) in Road Accidental Deaths
2011	6513	4931	4081	
2012	6341	4820	3997	-2.3%
2013	6323	4588	4383	-4.8%
2014	6391	4621	4127	-0.7%
2015	6702	4893	4414	+5.9%
2016	6952	5077	4351	+3.8%
2017	6273	4463 ¹	4218	-12.1%
2018	6426	4740 ²	3380	+6.2%
2019	6348	4525 ³	2655	-4.5%
2020	5203	3898 ⁴	1737	-13.9%
2021	5871	4589 ⁵	2032	+17.7%
2022	5969	4578 ⁶	2610	-0.24%

A 0.24% decline in the overall road accident fatalities happened in the year 2022 compared with the previous year increasing trend of 17.7%.

Table 2 in the next section providing the district wise details of various road accidents and case registered under both cognizable and non-cognizable offenses. Further, **Table 3, Table 4 & Table 5** provides district wise and month wise details of road accident fatalities for the year 2020, 2021 and 2022 respectively.

¹ 4 road accident fatalities reported by Government Railway Police are added in the total road fatalities in Punjab for the year 2017

² 15 road accident fatalities reported by Government Railway Police are added in the total road fatalities in Punjab for the year 2018

³ 4 road accident fatalities reported by Government Railway Police are added and 94 road accident fatalities which are under reported by district Ludhiana Commissionerate are not added in the total road fatalities in Punjab for the year 2019

⁴ 10 road accident fatalities reported by Government Railway Police are added in the total road fatalities in Punjab for the year 2020

⁵ 16 road accident fatalities reported by Government Railway Police are added in the total road fatalities in Punjab for the year 2021

⁶ 10 road accident fatalities reported by Government Railway Police are added in the total road fatalities in Punjab for the year 2022

Table 2: District Wise Details of Various Types of Road Accidents in Punjab for the Year 2022

Road Accident Data Reporting Format for the Month January 2022 to December 2022													
Sr. No.	Name of CP/ District	Road Accident Registered in FIR/IPC				Road Accident Registered in CrPC 174				Grand Total			
		Total Cases Reg.	Killed	Grievous Injured	Minor Injured	Total Cases Reg.	Killed	Grievous Injured	Minor Injured	Total Cases Reg.	Killed	Grievous Injured	Minor Injured
1	Gurdaspur	155	122	82	17	33	40	21	2	188	162	103	19
2	Shri Amritsar Sahib	239	164	163	23	40	42	7	7	279	206	170	30
3	Kapurthala	115	101	52	22	23	23	2	12	138	124	54	34
4	Jalandhar	256	177	137	29	101	110	45	8	357	287	182	37
5	S.B.S. Nagar	108	75	61	34	54	56	15	6	162	131	76	40
6	Hoshiarpur	254	210	77	49	18	20	1	0	272	230	78	49
7	Rupnagar	251	182	149	45	45	47	13	37	296	229	162	82
8	Ludhiana	581	415	301	78	205	215	31	16	786	630	332	94
9	Ferozpur	95	77	54	13	54	55	6	2	149	132	60	15
10	Faridkot	77	39	84	10	57	57	30	5	134	96	114	15
11	Shri Muktsar Sahib	74	60	41	12	64	70	13	11	138	130	54	23
12	Moga	95	72	54	14	119	123	37	8	214	195	91	22
13	Bathinda	229	127	171	35	110	119	31	24	339	246	202	59
14	Mansa	110	68	53	19	78	81	15	6	188	149	68	25
15	Sangrur	268	148	60	147	52	58	0	0	320	206	60	147
16	Malerkotla	46	35	25	7	5	5	2	0	51	40	27	7
17	Patiala	591	348	154	257	66	70	0	0	657	418	154	257
18	Fatehgarh Sahib	219	160	123	52	49	51	13	5	268	211	136	57
19	S.A.S Nagar	477	287	233	81	9	9	0	0	486	296	233	81
20	Tarn Taran	93	77	43	22	29	29	4	7	122	106	47	29
21	Barnala	105	78	45	41	53	53	16	8	158	131	61	49
22	Pathankot	70	53	31	8	21	21	8	1	91	74	39	9
23	Fazilka	112	87	93	3	50	52	12	0	162	139	105	3
*	GRP	10	6	2	2	4	0	0	0	14	10	2	2
	Total	4630	3168	2288	1020	1339	1406	322	165	5969	4578	2610	1185

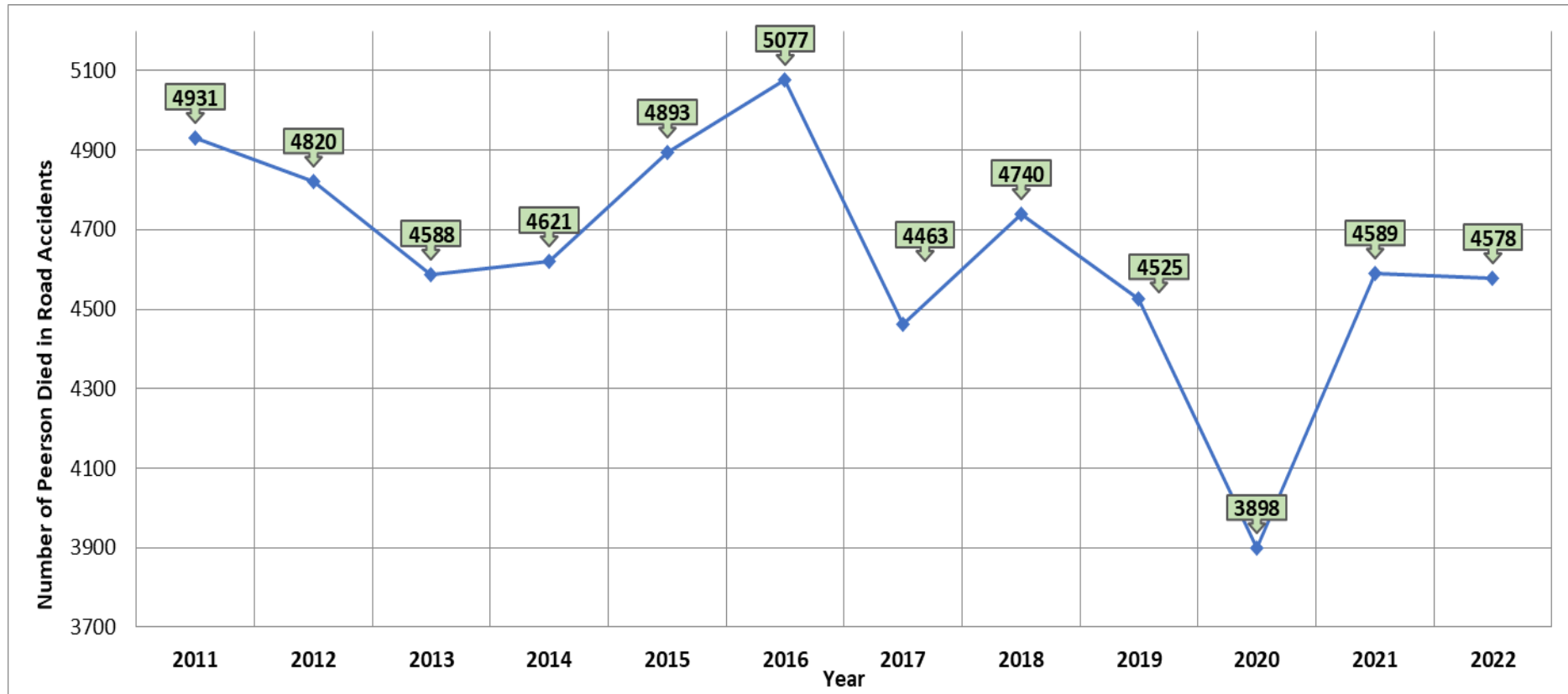


Figure 1: Year Wise Road Accidents Deaths in Punjab (2011-2022)

1.2. Month Wise and District Wise Road Accidents Deaths for the Year 2020

Table 3: Month Wise and District Wise Road Accidents Deaths for the Year 2020

Sr. No.	District/Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Gurdaspur	15	9	13	3	16	16	11	11	14	19	17	14	158
2	Shri Amritsar Sahib	11	13	13	6	15	16	22	11	13	31	24	14	189
3	Kapurthala	14	13	5	5	8	8	7	10	6	17	17	11	121
4	Jalandhar	17	26	19	7	14	14	14	24	21	18	30	20	224
5	S.B.S. Nagar	16	18	13	2	1	8	7	5	12	21	17	17	137
6	Hoshiarpur	14	24	12	4	16	11	15	12	16	19	26	21	190
7	Rupnagar	5	8	11	0	5	7	15	6	11	31	12	16	127
8	Ludhiana	51	36	37	8	31	30	49	47	46	59	57	48	499
9	Firozpur	8	10	4	2	6	18	11	11	9	13	18	9	119
10	Faridkot	12	7	4	4	7	12	14	8	11	12	6	10	107
11	Shri Muktsar Sahib	9	8	8	7	7	6	7	15	6	14	13	12	112
12	Moga	17	17	5	2	16	8	18	7	25	19	26	13	173
13	Bathinda	15	20	14	10	12	12	31	15	18	37	24	21	229
14	Mansa	13	14	6	3	10	5	6	10	6	15	9	17	114
15	Sangrur	23	18	20	8	14	11	19	10	25	27	41	25	241
16	Patiala	23	30	24	14	27	27	33	35	26	32	34	34	339
17	Fatehgarh Sahib	20	12	12	3	11	15	14	12	10	13	24	13	159
18	S.A.S Nagar	32	23	24	8	11	17	24	17	24	22	29	23	254
19	Tarn Taran	5	11	9	3	10	12	4	7	6	15	8	9	99
20	Barnala	7	11	11	7	5	12	9	8	11	11	14	11	117
21	Pathankot	5	9	4	3	3	3	3	7	2	6	10	8	63
22	Fazilka	4	13	6	0	12	7	8	6	13	12	16	20	117
*	GRP	0	2	1	0	1	0	1	1	1	1	1	1	10
2020	Total	336	352	275	109	258	275	342	295	332	464	473	387	3898

1.3. Month Wise and District Wise Road Accidents Deaths for the Year 2021

Table 4: Month Wise and District Wise Road Accidents Deaths for the Year 2021

Sr. No.	District/Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Gurdaspur	9	14	11	16	12	9	11	8	20	28	25	9	172
2	Shri Amritsar Sahib	16	13	19	22	17	22	24	18	11	19	26	21	228
3	Kapurthala	8	9	5	13	10	8	5	7	18	4	9	6	102
4	Jalandhar	26	33	24	32	25	33	30	14	35	34	34	40	360
5	S.B.S. Nagar	5	14	11	14	12	13	9	17	10	17	19	23	164
6	Hoshiarpur	21	10	16	13	16	8	28	17	16	23	19	14	201
7	Rupnagar	18	14	15	17	8	10	15	26	11	20	16	23	193
8	Ludhiana	51	62	53	33	41	47	57	60	62	59	60	64	649
9	Ferozpur	7	12	11	19	11	13	12	12	16	10	13	16	152
10	Faridkot	5	12	7	12	4	4	5	11	4	8	10	7	89
11	Shri Muktsar Sahib	8	18	10	10	10	11	9	15	15	8	9	7	130
12	Moga	8	12	21	12	9	15	24	19	12	13	24	16	185
13	Bathinda	18	18	18	14	14	17	11	18	13	27	19	26	213
14	Mansa	7	8	16	17	11	8	15	2	6	15	15	13	133
15	Sangrur	26	23	21	32	13	14	29	26	20	24	33	25	286
16	Patiala	38	32	36	24	32	37	32	45	21	56	35	46	434
17	Fatehgarh Sahib	11	14	8	15	9	10	16	24	9	18	21	11	166
18	S.A.S Nagar	30	27	18	15	24	19	25	20	26	24	18	23	269
19	Tarn Taran	11	6	9	9	7	12	16	8	10	11	15	12	126
20	Barnala	3	1	12	6	13	8	9	9	9	7	13	6	96
21	Pathankot	9	6	7	7	5	11	4	8	4	11	17	4	93
22	Fazilka	17	15	10	9	5	11	9	18	17	8	7	6	132
*	GRP	3	2	0	2	1	1	0	0	0	3	2	2	16
2021	Total	355	375	358	363	309	341	395	402	365	447	459	420	4589

1.4. Month Wise and District Wise Road Accidents Deaths for the Year 2022

Table 5: Month Wise and District Wise Road Accidents Deaths for the Year 2022

Sr. No.	District/Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Gurdaspur	10	13	7	9	6	11	15	19	11	25	17	19	162
2	Shri Amritsar Sahib	15	18	10	20	27	14	12	16	12	18	26	18	206
3	Kapurthala	12	11	12	7	8	10	11	10	6	15	12	10	124
4	Jalandhar	21	26	24	17	24	20	21	23	28	29	29	25	287
5	S.B.S. Nagar	14	10	20	9	9	13	10	11	9	8	6	12	131
6	Hoshiarpur	21	13	19	29	22	16	17	22	22	19	16	14	230
7	Rupnagar	19	13	23	17	12	23	14	34	18	17	24	15	229
8	Ludhiana	49	40	63	46	46	53	47	60	53	56	57	60	630
9	Ferozpur	11	9	13	9	15	12	6	10	16	14	10	7	132
10	Faridkot	6	4	10	9	6	5	9	6	5	10	16	10	96
11	Shri Muktsar Sahib	10	12	8	13	6	8	14	12	9	13	16	9	130
12	Moga	11	14	16	16	14	15	12	17	20	20	21	19	195
13	Bathinda	10	10	25	25	30	24	25	22	16	29	15	15	246
14	Mansa	18	10	17	3	16	15	14	12	8	15	12	9	149
15	Sangrur	14	13	15	29	17	18	19	10	13	17	23	18	206
16	Malerkotla	8	2	1	10	3	1	1	0	3	2	4	5	40
17	Patiala	32	37	47	32	31	21	36	40	38	36	32	36	418
18	Fatehgarh Sahib	23	15	22	12	16	26	17	24	10	22	16	8	211
19	S.A.S Nagar	22	14	24	26	26	18	23	23	19	33	36	32	296
20	Tarn Taran	8	5	5	6	12	12	8	5	9	13	12	11	106
21	Barnala	8	12	15	16	12	16	10	8	9	8	8	9	131
22	Pathankot	6	2	9	3	5	6	3	7	4	16	7	6	74
23	Fazilka	9	6	11	17	7	2	8	17	12	10	18	22	139
*	GRP ³	0	2	1	1	0	0	0	2	0	1	1	2	10
2022	Total	357	311	417	381	370	359	352	410	350	446	434	391	4578

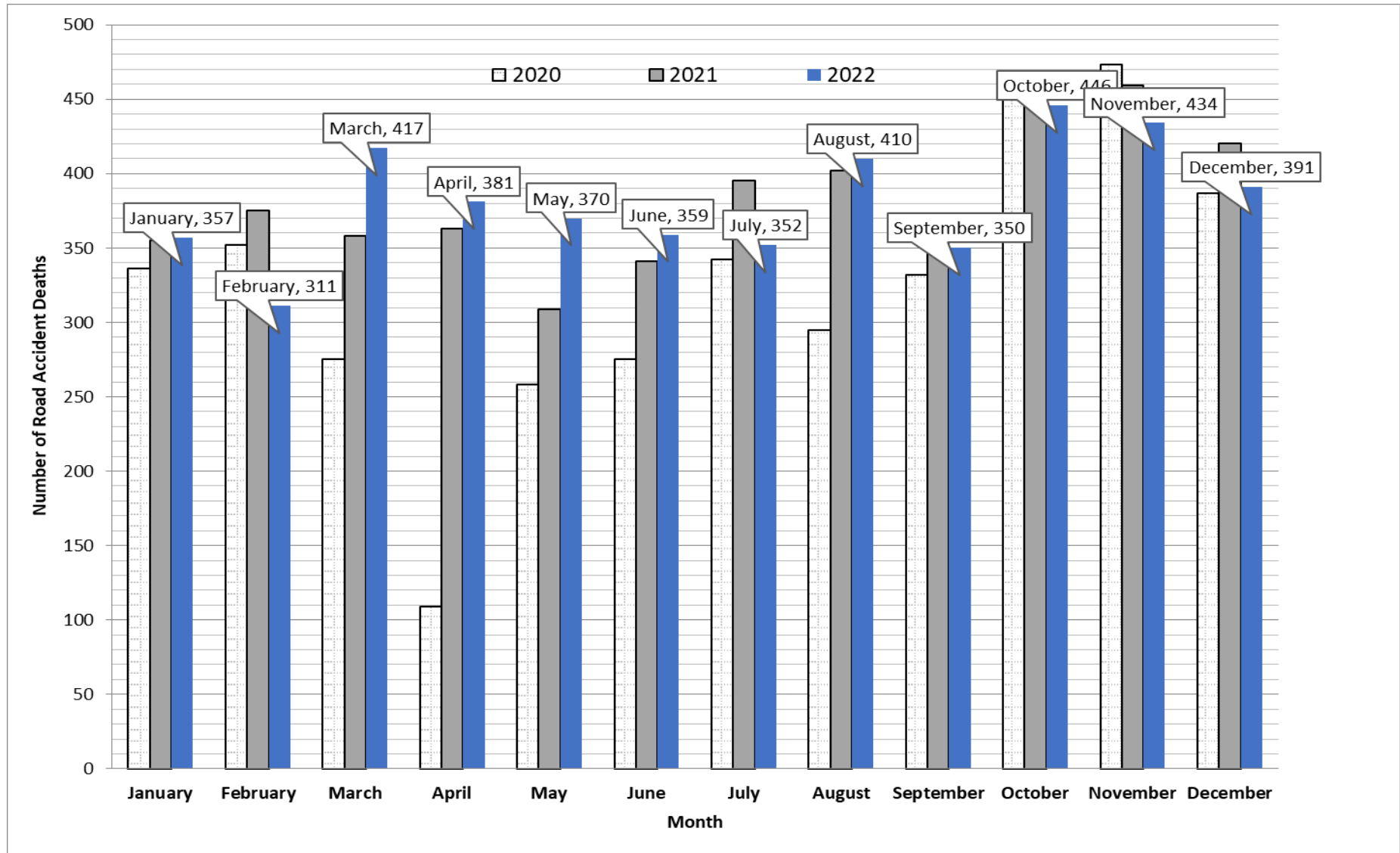


Figure 2 : Month Wise details of Road Accident Deaths for the Years 2020-2022

1.5. Health Burden due to Traffic Accidents – Health Index due to Traffic

To describe the health burden due to traffic accidents in Punjab using a decentralized ranking approach, a district-wise analysis performed on the road traffic fatalities. Health burden due to road traffic is defined as a number of road accident fatalities against per million populations. It is found that the Road accident death rate against per million population of Punjab was 142 for the year 2022. Districts like Fatehgarh Sahib, Rupnagar & SAS Nagar were recorded with 1.5-2.2 times more than the state average with ranking 1, 2 and 3 respectively. Out of 23 districts of Punjab, 9 districts have shown a decline in overall road fatalities ranking (health index due to traffic) in the year 2022 as compared to year 2021, whereas Districts like Barnala and Kapurthala have shown significant rise. Table 6 below provides the complete district wise calculations for the health index due to traffic fatalities along with ranking.

Table 6: Health Burden Due to Traffic Accidents in Punjab of the Year 2020-2022

District Name	Estimated Population in 2020**	Estimated Population in 2021**	Estimated Population in 2022**	Accident Fatalities in 2020	Accident Fatalities in 2021	Accident Fatalities in 2022	Health Index due to Traffic 2020	Health Index due to Traffic 2021	Health Index due to Traffic 2022	District Rank in 2022
PUNJAB	3,14,11,917	3,18,57,528	3,23,10,325	3898	4589	4578	124	144	142	
Gurdaspur	17,63,388	17,79,788	17,96,340	158	172	162	90	97	90	20
Kapurthala	8,81,366	8,88,743	8,96,182	121	102	124	137	115	138	12
Jalandhar	24,10,930	24,37,835	24,65,042	224	360	287	93	148	116	16
Hoshiarpur	16,83,089	16,94,618	17,06,226	190	201	230	113	119	135	14
Shahid Bhagat Singh Nagar	6,40,155	6,43,087	6,46,032	137	164	131	214	255	203	4
Fatehgarh Sahib	6,64,178	6,71,743	6,79,394	159	166	211	239	247	311	1
Ludhiana	39,88,009	40,47,829	41,08,547	499	649	630	125	160	153	9
Moga	10,93,986	11,05,911	11,17,965	173	185	195	158	167	174	7
Firozpur	11,55,115	11,73,689	11,92,562	119	152	132	103	130	111	18
Shri Muktsar Sahib	10,42,251	10,59,032	10,76,082	112	130	130	107	123	121	15
Faridkot	6,89,150	6,97,544	7,06,040	107	89	96	155	128	136	13

District Name	Estimated Population in 2020**	Estimated Population in 2021**	Estimated Population in 2022**	Accident Fatalities in 2020	Accident Fatalities in 2021	Accident Fatalities in 2022	Health Index due to Traffic 2020	Health Index due to Traffic 2021	Health Index due to Traffic 2022	District Rank in 2022
Bathinda	16,21,692	16,49,861	16,78,519	229	213	246	141	129	147	11
Mansa	8,53,050	8,62,963	8,72,990	114	133	149	134	154	171	8
Patiala	22,49,508	22,93,148	23,37,635	339	434	418	151	189	179	6
Shri Amritsar Sahib	28,60,205	29,04,481	29,49,442	189	228	206	66	78	70	23
Tarn-Taran	13,30,107	13,55,752	13,81,891	99	126	106	74	93	77	22
Rupnagar	7,38,558	7,44,961	7,51,420	127	193	229	172	259	305	2
Sahibzada Ajit Singh Nagar	13,09,588	13,51,521	13,94,797	254	269	296	194	199	212	3
Sangrur	13,67,088	13,83,903	14,00,925	190	262	206	139	189	147	10
Malerkotla	4,79,737	4,85,638	4,91,611	51	24	40	106	49	81	21
Barnala	6,70,753	6,79,580	6,88,524	117	96	131	174	141	190	5
Pathankot	7,35,382	7,42,221	7,49,124	63	93	74	86	125	99	19
Fazilka	11,84,631	12,03,680	12,23,035	117	132	139	99	110	114	17
GRP	-	-	-	10	16	10	-	-	-	

**These Population estimates are made by taking 2011 Census of India as a base value with previous district wise population growth trends

***Rank 1 is denoted as the most critical district as well as Rank 23 denotes least critical district.

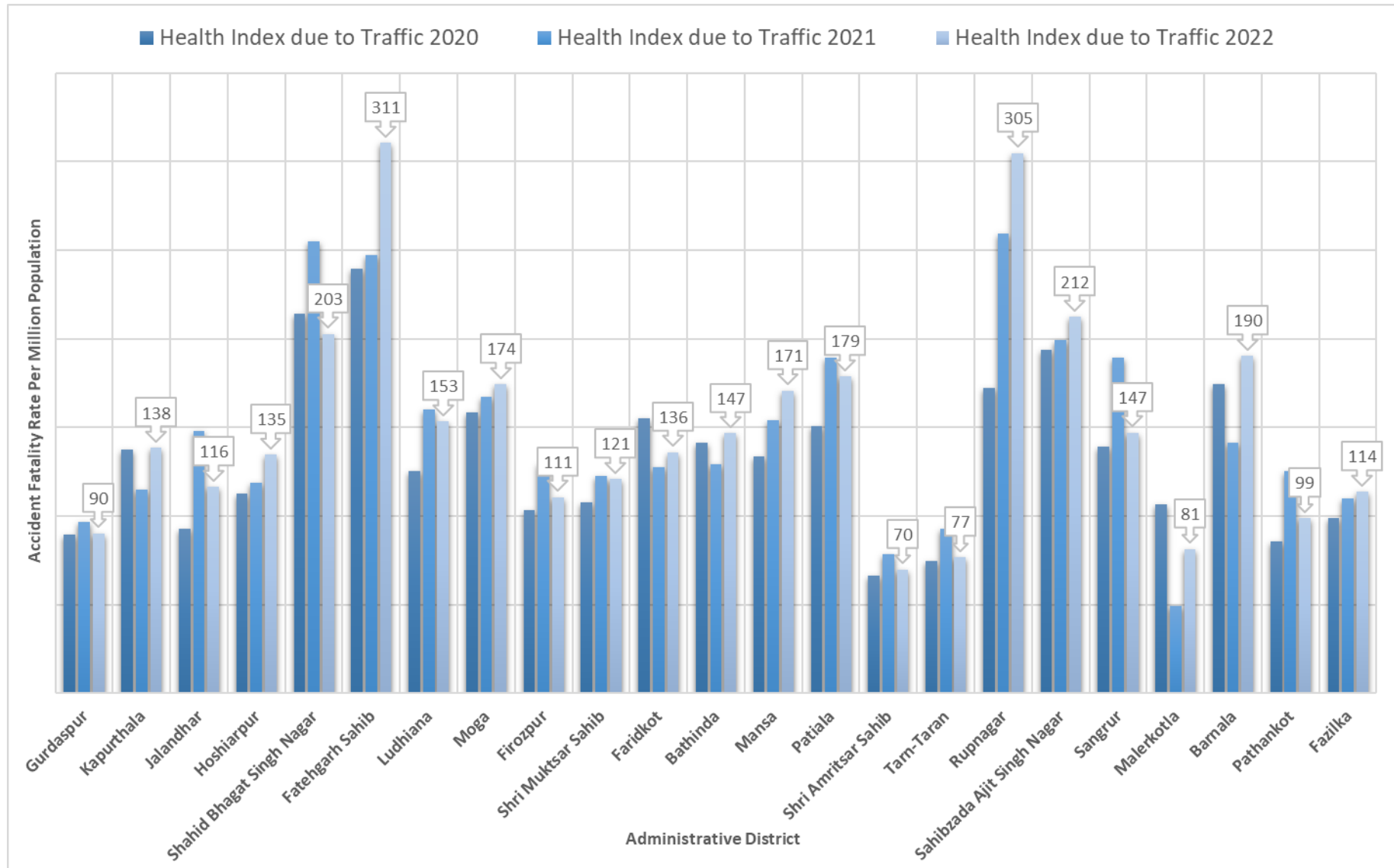


Figure 3: District Wise Comparison of Fatality Rate per Million Populations for the year 2020-2022

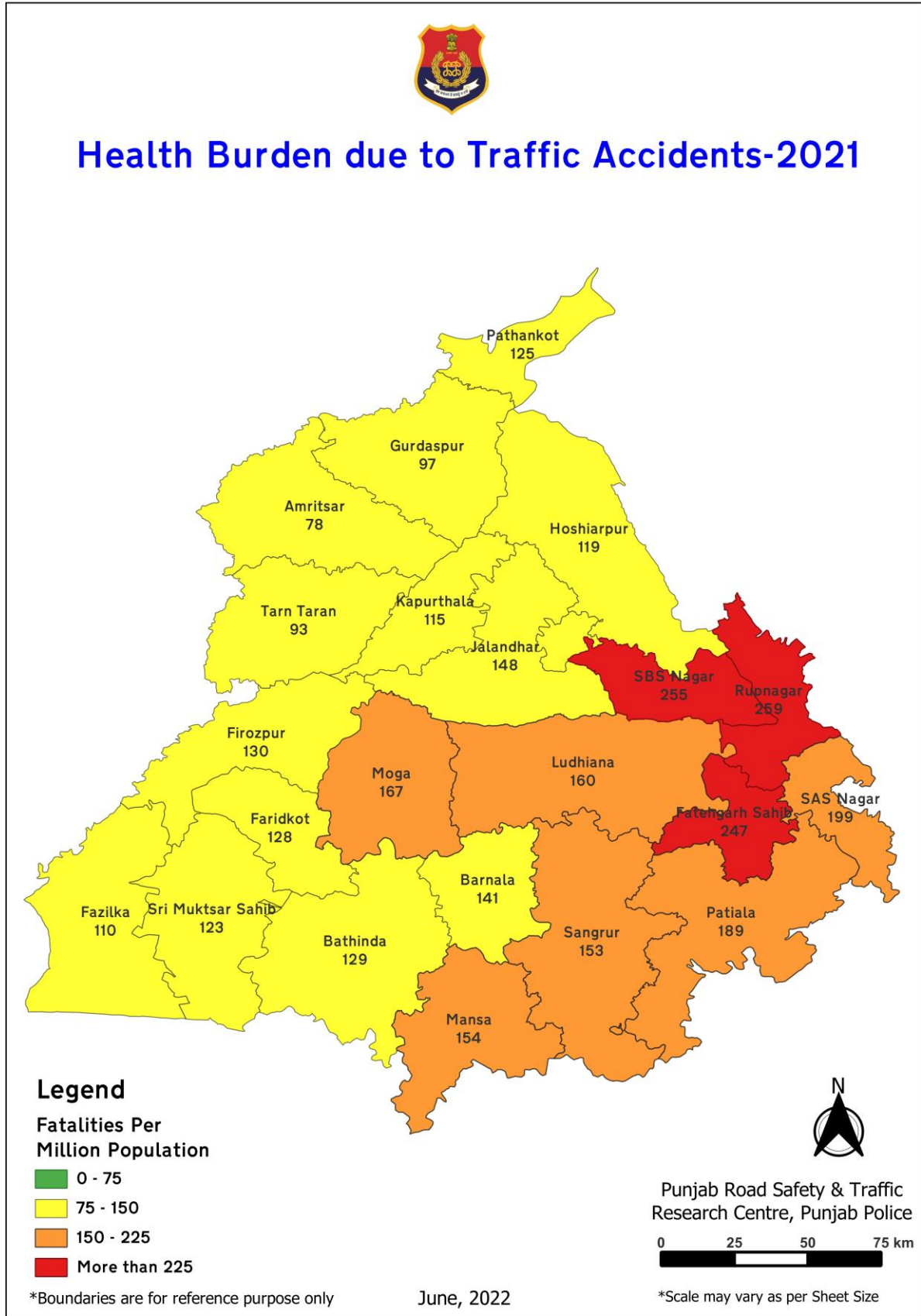


Figure 5: Health Burden Due to Traffic Accident Fatalities 2021

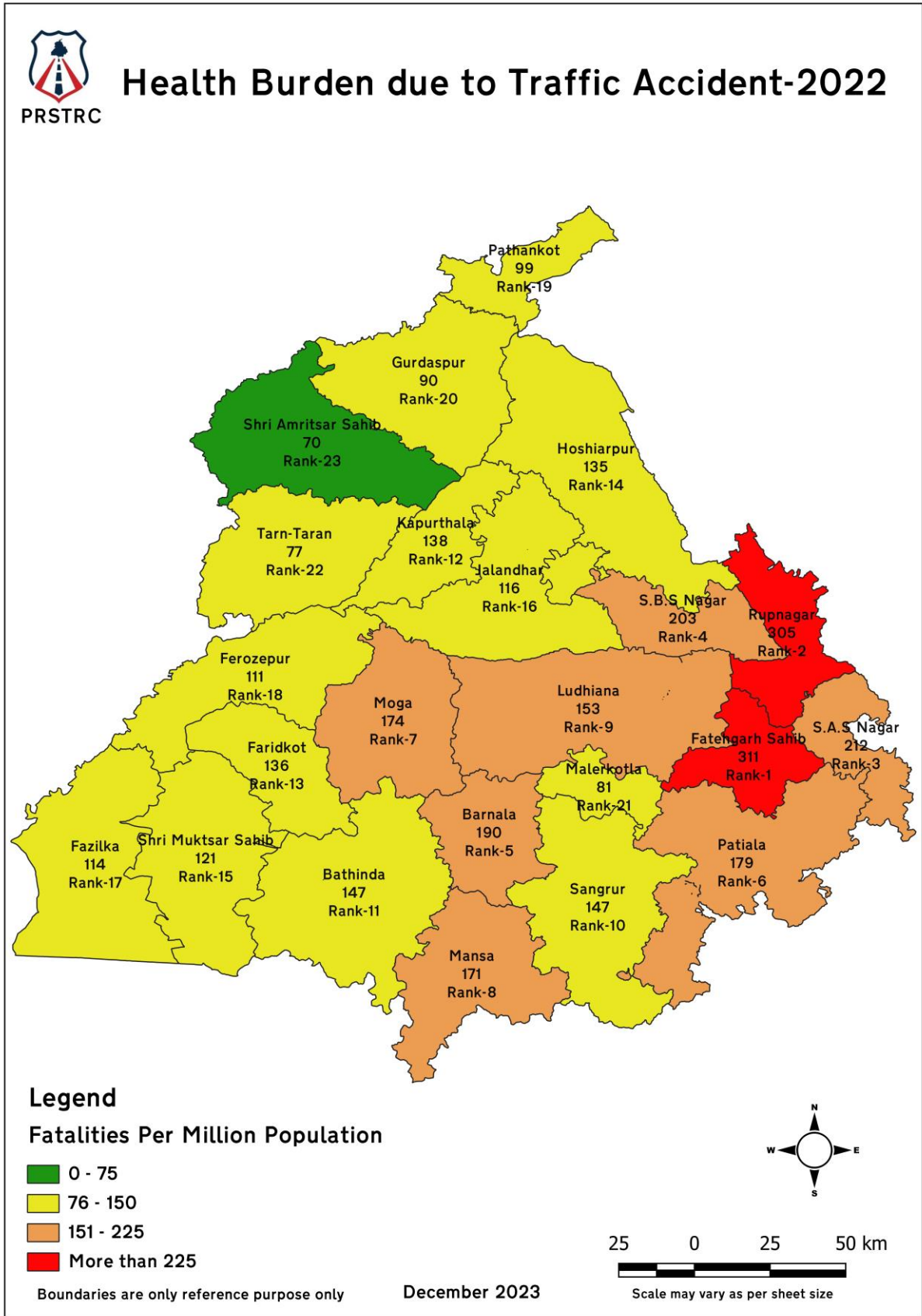


Figure 6 : Health Burden Due to Traffic Accident Fatalities 2022

1.6. District Ranking System

Following a decentralized approach, district-based ranking system using road accident fatalities against per million populations rate (Table 6), as an indicator, all 23 districts of Punjab are ranked from 1 to 23. Two out of three districts falling in Rupnagar Police range, namely Fatehgarh Sahib and Rupnagar are ranked at number 1 and 2 respectively whereas S.A.S. Nagar is ranked at number 3. Tarn-Taran and Amritsar amongst the safest in Punjab.

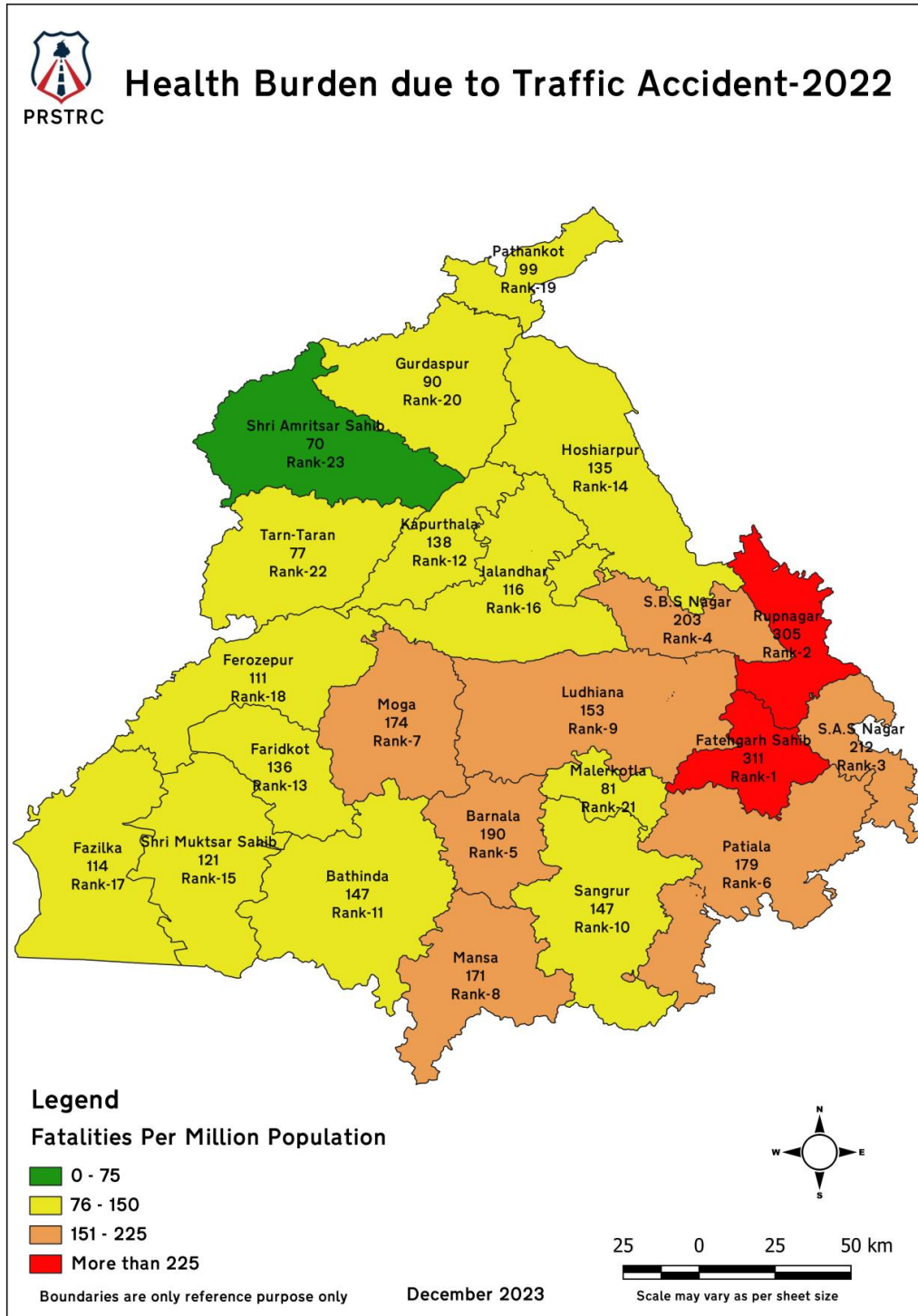


Figure 7 : District ranking map of Punjab based upon road accident fatalities against per million population rates

1.7. Indicators wise Comparison of Road Safety India with Punjab -2022

Table 7: Comparison of Road Safety Indicators India vs. Punjab

Head	India	Punjab
Total Road Network (km)	6,371,847 (As per NHAI record)	75,889.41 (1.2% of country's total road network length)
The total length of National Highways(km)	1,44,995 (2.3% of total road network length)	3639.7 Kms (4.8% of the total road length within the state)
Road Accident Fatalities on National Highways	1,68,491 (36.2%)	2035 (44.5%)
Total Motor Vehicles Registered	1,66,56,567 (2020) 1,70,76,953 (2021) 1,90,65,898 (2022) (+11.7%)	5,13,816 (2020) 5,16,968(2021) 5,55,429 (2022) (+7.44%)
Total Cumulative Registered Motor Vehicle till Dec 2022	28,34,65,478	1,27,27,605(4.5% of India)
Total Area (sq.km)	32,87,240	50,362
Road length available per sq.km area	1.94	1.51
Total Estimated Population	1,326,155,000 (Year 2020) 1,393,409,038 (Year 2021) 1,375,586,000 (Year 2022)	3,14,11,917 (Year 2020) 3,18,57,528 (Year 2021) 3,23,10,325 (Year 2022)
Total road accident fatalities	1,38,383 (2020) 1,53,972 (2021) 1,68,491 (2022) (+9.44%)	3898 (Year 2020) 4589 (Year 2021) 4578 (Year 2022) (-0.24%)
Fatalities per million population (Health Burden due to traffic)	116 (2021) 122 (2022)	144 (2021) 142 (2022)
Gender Ratio (Involvement in Road Accidents)	86.2% (Male): 13.8% (Female)	88.5% (Male): 11.5% (Female)
Urban and Rural Locality Accidents	2,84,043 (62%) Rural: 1,77,269 (38%) Urban	25% Rural: 75% Urban

2. Detailed Analysis of Road Accidents in Punjab for the Year 2022

2.1. Month Wise Distribution of Total Road Accidents and Number of Persons Involved in Punjab 2022

Table 8: Month wise distribution of total road accident and number of persons Involved

Month	Type of Accidents				Number of persons involved				
	Fatal	Grievous Injury	Minor Injury	Non-Injury	Total Accidents	Killed	Grievous Injured	Minor Injured	Total
January	319	90	20	11	440	357	167	74	598
February	295	114	20	4	433	311	218	95	624
March	389	113	30	10	542	417	232	94	743
April	355	120	28	9	512	381	235	113	729
May	346	125	18	7	496	370	243	88	701
June	330	98	28	5	461	359	234	107	700
July	330	90	29	8	457	352	178	89	619
August	382	124	33	9	548	410	247	133	790
September	336	92	24	11	463	350	189	87	626
October	419	127	27	6	579	446	248	109	803
November	404	109	21	8	542	434	223	109	766
December	363	101	23	8	495	391	203	86	680
Total	4268	1303	301	96	5968	4578	2617	1184	8379

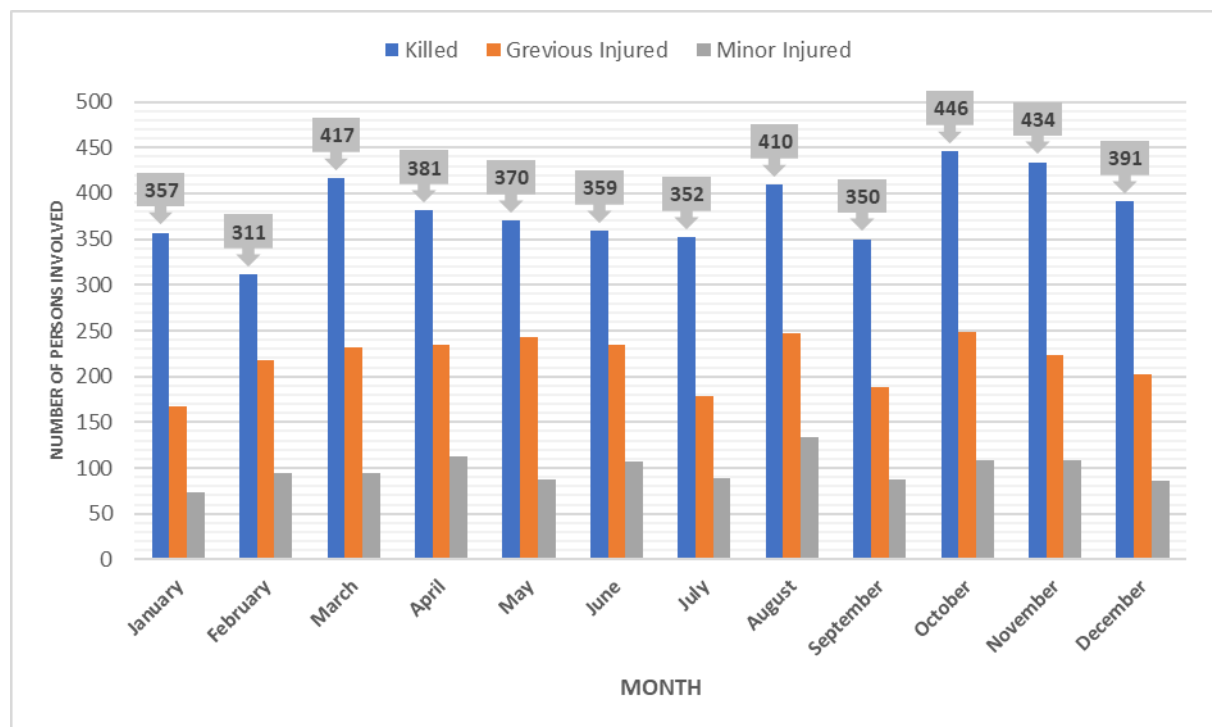


Figure 8: Month wise distribution of total road accidents and number of persons Involved

2.2. Road Accidents in Rural and Urban areas of Punjab-2022

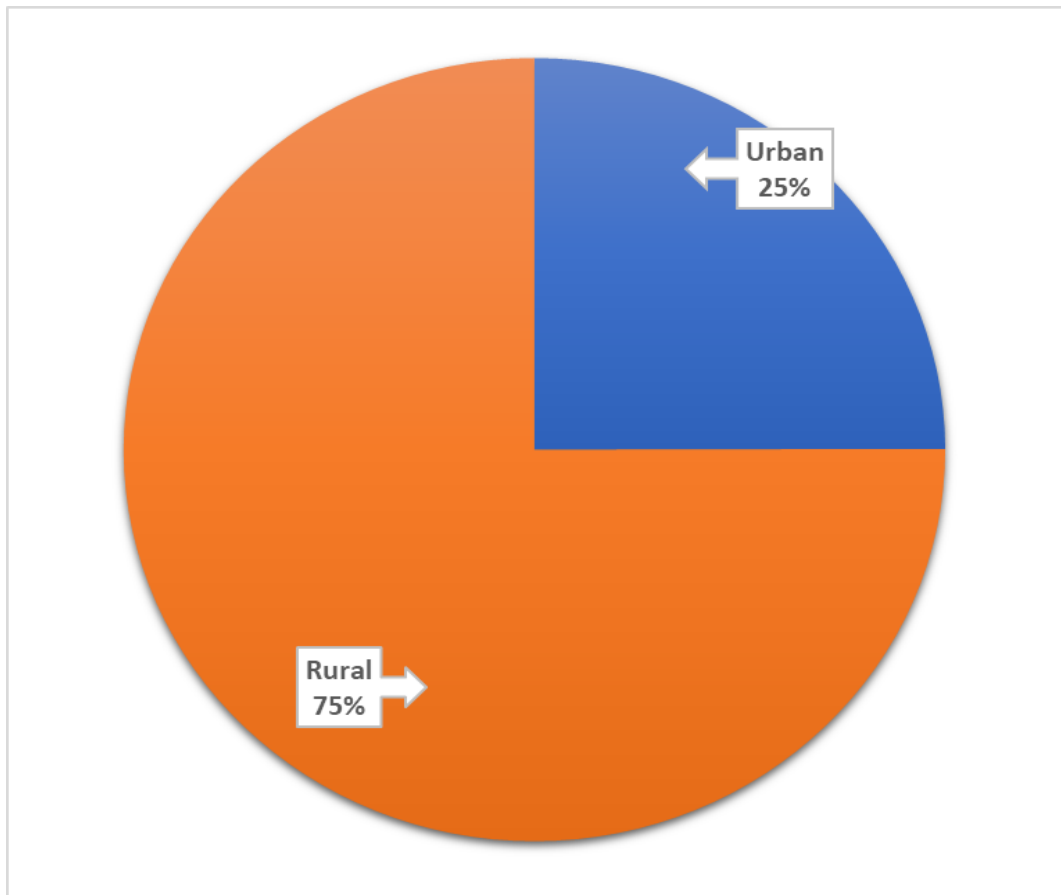


Figure 9: Area wise Distribution of Road Accidents in Punjab 2022

Location wise, out of 4578 road accident Fatalities reported, 1143 (25%) occurred in urban areas of Punjab and 3435 (75%) in rural areas of Punjab. Rural areas of Punjab have a higher concentration of road accidents compared with the urban area available versus the percentage of road accidents. Last year (2021) the percentage of road crashes in Urban areas share in road accident fatalities was 41%.

2.3. Time Wise Distribution of Total Road Accidents and Number of Persons Involved in Urban and Rural Areas of Punjab

Table 9: Time wise distribution of total road accidents and number of persons involved in urban areas

Time Slot	Urban Areas							
	Type of Accidents				Number of persons			
	Fatal	Grievous Injury	Minor Injury	Non Injury	Total Accidents	Killed	Grievously Injured	Minor Injured
06.00 to 9.00 hrs (Day)	118	64	7	4	193	123	91	33
09.00 to 12.00 hrs (Day)	120	81	16	6	223	121	117	64
12.00 to 15.00 hrs (Day)	143	74	30	4	251	154	123	70
15.00 to 18.00 hrs (Day)	134	78	24	8	244	136	105	60
18.00 to 21.00 hrs (Night)	232	106	25	9	372	238	163	65
21.00 to 24.00 hrs (Night)	165	72	12	8	257	172	127	38
00.00 to 3.00 hrs (Night)	57	22	10	7	96	67	45	22
03.00 to 6.00 hrs (Night)	50	20	3	2	75	53	29	15
Unknown Time	79	7	2	0	88	79	24	7
TOTAL	1098	524	129	48	1799	1143	824	374

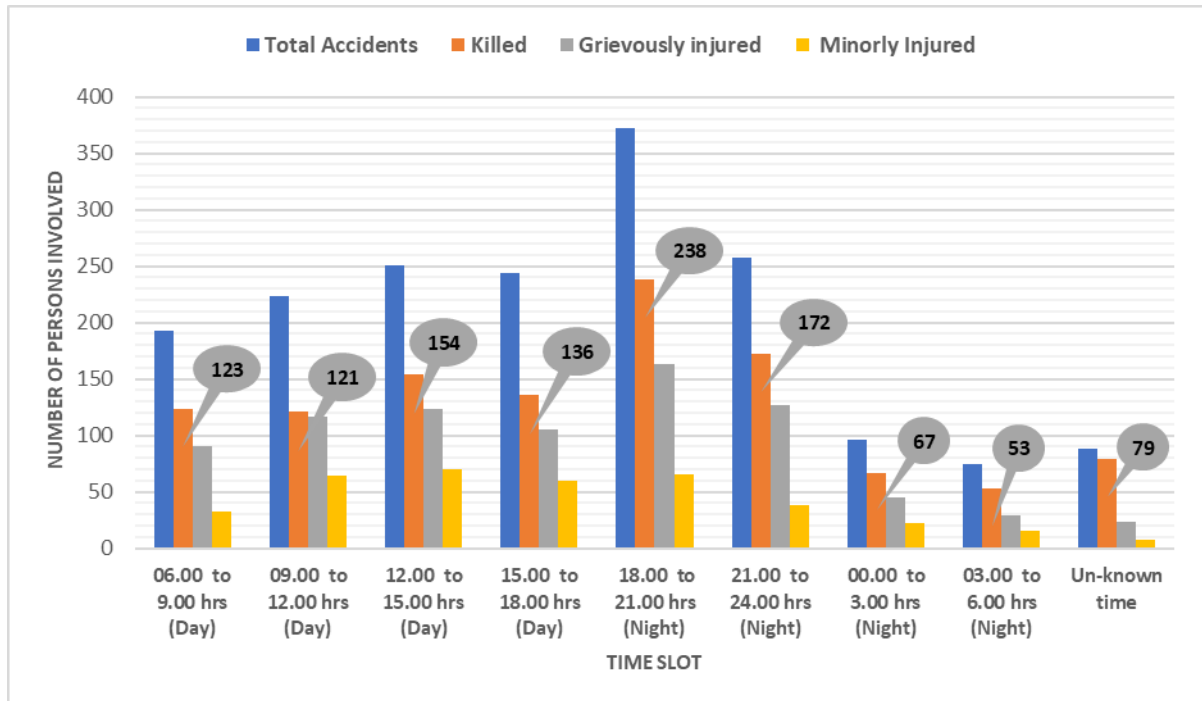


Figure 10: Time wise distribution of total road accidents and number of persons involved in urban areas

Table 10: Time wise distribution of total road accidents and number of persons involved in rural areas

Time Slot	Rural Areas							
	Type of Accidents				Number of persons			
	Fatal	Grievous Injury	Minor Injury	Non Injury	Total Accidents	Killed	Grievously Injured	Minor Injured
06.00 to 9.00 hrs (Day)	292	91	13	1	397	324	180	64
09.00 to 12.00 hrs (Day)	351	118	25	3	497	376	223	100
12.00 to 15.00 hrs (Day)	345	113	35	12	505	381	257	127
15.00 to 18.00 hrs (Day)	513	147	30	11	701	546	311	148
18.00 to 21.00 hrs (Night)	903	225	50	6	1184	967	498	187
21.00 to 24.00 hrs (Night)	344	39	8	11	402	376	131	85
00.00 to 3.00 hrs (Night)	122	17	3	2	144	137	81	50
03.00 to 6.00 hrs (Night)	140	24	7	1	172	155	60	34
Unknown Time	160	5	1	1	167	173	52	15
TOTAL	3170	779	172	48	4169	3435	1793	810

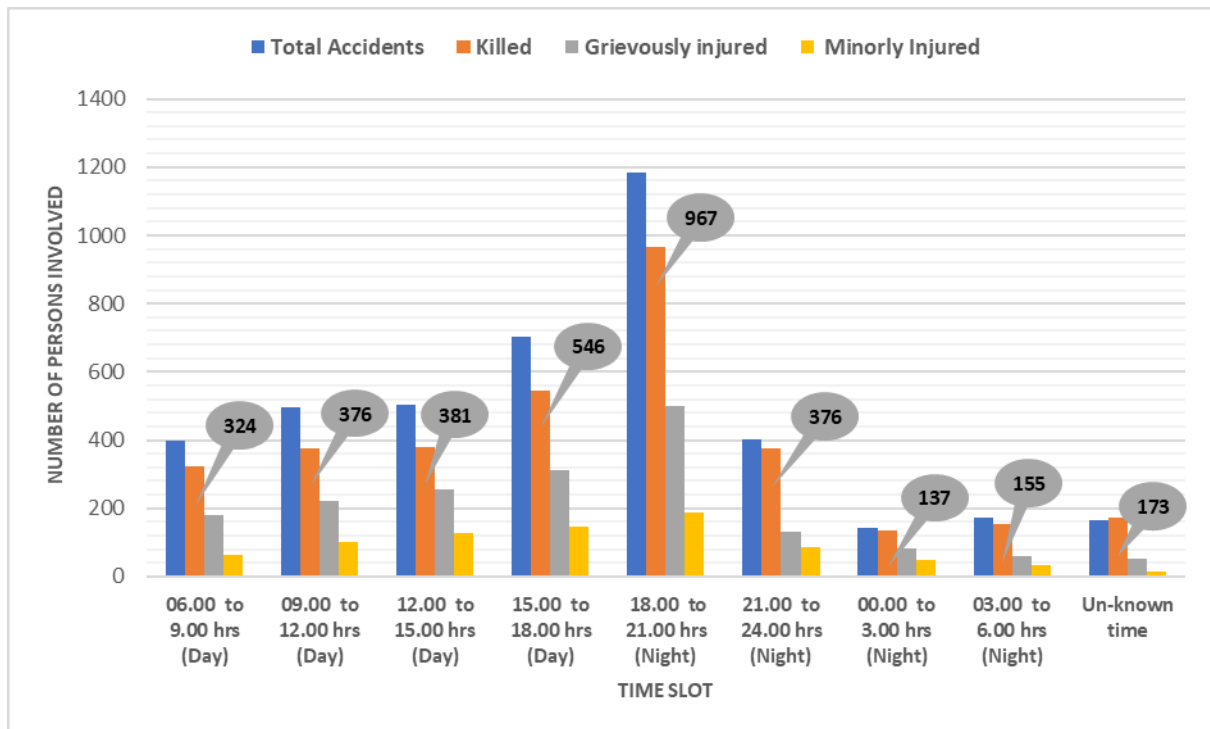


Figure 11: Time wise distribution of total road accidents and number of persons involved in rural areas

2.4. Time interval-wise distribution of Road Accident Fatalities

Table 11: Time interval-wise distribution of road accident fatalities in Punjab – 2022

Time Slot	6 AM to 9 AM	9 AM to 12 PM	12 PM to 3 PM	3 PM to 6 PM	6 PM to 9 PM	9 PM to 12AM	12AM to 3 AM	3 AM to 6 AM	Unkno wn	Tot al
Number of Persons Killed	447	497	535	682	1205	548	204	208	252	4578
Percentage (%)	9.8%	10.9%	11.7%	14.9%	26.3%	12.0%	4.5%	4.5%	5.5%	100%

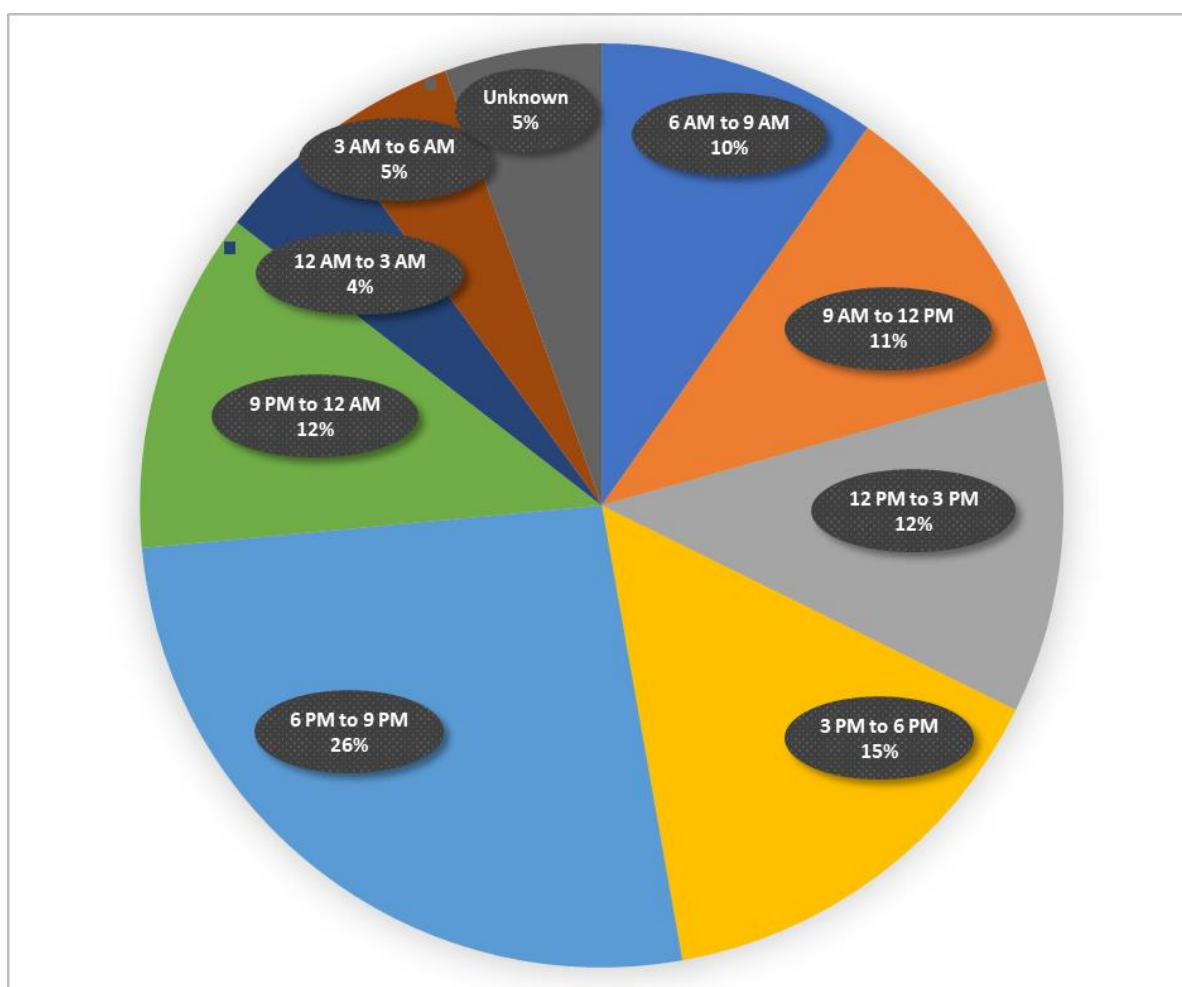


Figure 12: Time slot wise Road Accident Fatalities Distribution Pattern in Punjab – 2022

As per the time slot, wise distribution of total road accident fatalities in Punjab, the critical time slot for Punjab is between 6 PM to 9 PM in the evening. From midnight 12 AM to 9 AM, are relatively safer hours to travel. Special Zero tolerance enforcement drive is very essential in the evening time slot between 6 PM to 9 PM. It is required to do such analysis at each Police station level to plan enforcement strategy, as these time slots vary from Urban to Rural localities, Police station covering National and State Highways versus Police station covering rural road network, etc.

3. Roads, Motor Vehicles and Road Accidents in Punjab

3.1. Road Infrastructure in Punjab

Punjab has about **75,889.41** km of road network comprising 3639.7 km of National Highways and 858.71 km of State Highways. The details of different classification wise length of Punjab State Road Network are given in Table 12 below. In the last five years, about 55-75% of the total road fatalities in Punjab occurred on the 5.6% of the core road network of Punjab comprising National and State Highways.

Table 12: Classification Wise Length of Road Network in Punjab⁷

Sr. No.	Road Classification	Road Length in Kilometre (Km)	Percentage (%) in Total Road Network of the State
1	National Highways (NHAI+PWD)	3639.7	4.80%
2	State Highways (SH)	858.71	1.13%
3	Major District Road (MDR)	1697	2.24%
4	Other District Roads (ODR)	4816	6.35%
5	Village Road/Link Roads	64878	85.49%
	Total Length (in Km)	75889.41	100.00%

Table 13: Share of Road Fatalities on National Highways and State Highways

Year	Total Road Accident Deaths	Accidental Deaths on National Highways (NH)	% Road Accident Deaths on NH of the Total	Accidental Deaths on State Highways (SH)	% Road Accident Deaths on SH of the Total	% Of Total Road Accident Deaths on NH+SH
2011	4931	1799	36.5%	1474	29.9%	66.4%
2012	4820	1552	32.2%	1559	32.3%	64.5%
2013	4588	1360	29.6%	1601	34.9%	64.5%
2014	4621	1482	32.1%	1194	25.8%	57.9%
2015	4893	1538	31.4%	1484	30.3%	61.8%
2016	5077	1495	29.4%	1584	31.2%	60.6%
2017	4463	1891	42.4%	1087	24.4%	66.7%
2018	4740	2085	44.0%	1418	30.0%	74.0%
2019	4525	1693	37.4%	1302	28.8%	66.2%
2020	3898	1438	36.9%	1112	28.5%	65.4%
2021	4589	1940	42.3%	1363	29.7%	72.0%
2022	4578	2035	44.5%	524	11.4%	55.9%

⁷ Source: [Public Works Department, Punjab \(pwdpunjab.gov.in\)](http://Public Works Department, Punjab (pwdpunjab.gov.in)) accessed on 09-09-2022

Table 14: Length (in Kilometres) of Various Types of Roads in Different Districts of Punjab

Sr. No.	District Name	National Highway (NH)	State Highway (SH)	Major District Roads (MDR)	Other District Roads (ODR)	Link Roads under PWD (Km)	Link Roads under Mandi Board (Km)	Total Road Length in District (Km)
1	Gurdaspur	0.00	0	218.28	387.77	3025.07	1694.66	5325.78
2	Pathankot	51.185	4.23	50.74	111.21	409.38	967.70	1594.45
3	Amritsar	0.00	0	155.48	191.89	1214.30	2788.04	4349.71
4	Tarn Taran	110.696	0	117.41	245.78	1537.07	1564.73	3575.69
5	Kapurthala	66.800	0	102.93	206.66	1211.06	708.31	2295.76
6	Jalandhar	53.430	0	123.94	227.05	1851.55	2063.73	4319.70
7	S.B.S. Nagar	2.100	14.05	44.18	116.75	-	2227.69	2404.77
8	Hoshiarpur	53.765	88	69.09	275.9	4498.71	-	4985.47
9	Rupnagar	39.720	0	67.26	165.81	1880.46	-	2153.25
10	S.A.S. Nagar	0.00	22.28	23.74	102.87	884.62	777.54	1811.05
11	Ludhiana		56.27	189.19	517.6	2181.02	3407.44	6351.52
12	Ferozpur	101.231	95.03	38.85	125.8	1505.77	1324.42	3191.10
13	Fazilka	90.568	77.52	58.10	107.88	771.92	2169.29	3275.28
14	Faridkot	17.500	34.19	42.72	66.78	-	1533.50	1694.69
15	Shri Muktsar Sahib	121.920	32.87	44.31	413.66	278.80	3156.17	4047.73
16	Moga	72.300	32.32	0	155.5	1060.07	1537.44	2857.63
17	Bathinda	125.110	79.24	51.35	349.91	2931.06	-	3536.67
18	Mansa	109.980	15.34	30.45	68.12	-	2220.33	2444.22
19	Sangrur	79.480	109.87	174.02	475.79	2909.66	1488.82	5237.64
20	Barnala	14.950	26.16	28.51	91.57	880.07	605.91	1647.17
21	Patiala	0.00	132.94	73.38	342.49	1963.52	1752.23	4264.56
22	Fatehgarh Sahib		40.69	35.80	123.91	1885.82	-	2086.22

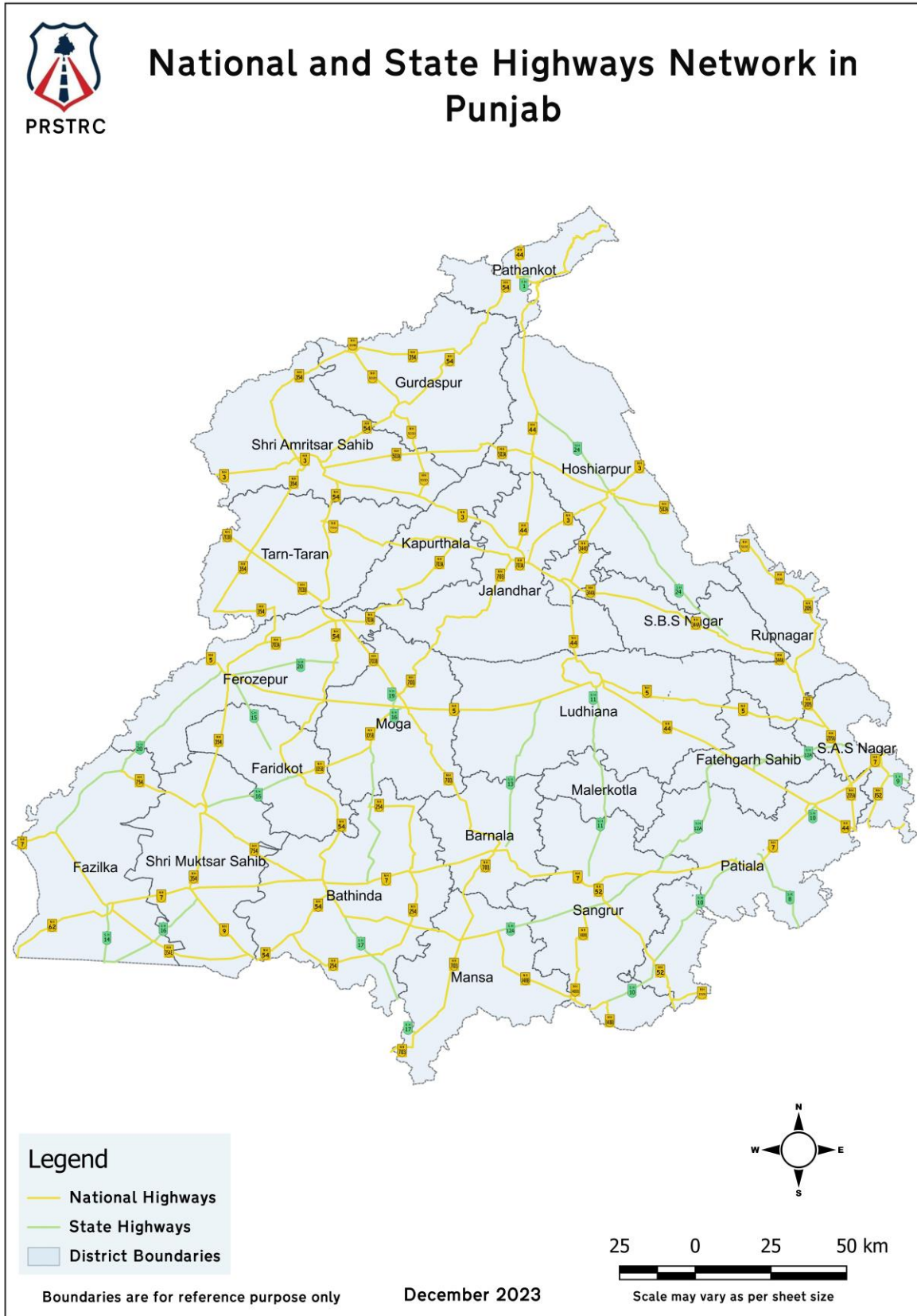


Figure 13 : Map of National and State Highways in Punjab

Note: Alignment and boundaries are for depiction purpose only, actual may vary

3.2. List of National Highways (NH) in Punjab

Table 15 : List of National Highways (NH) in Punjab

Sr. No.	NH No.	Route	Length (KM)
1	NH-3	Attari (starting point)-Amritsar-Jalandhar-Hoshiarpur- Kullu-Manali (upto Himachal Border) (Jalandhar-Hoshiarpur upto HP Km 118.465 to 177.00 with PWD)	177
2	NH-5	Ferozepur (starting Point) - Moga - Jagraon - Ludhiana - Kharar - Chandigarh - Kalka - Shimla upto HP Border (RD. 221.570 to 236.845= 15.275 Km in UT) (Hussiniwal to Ferozepur Km 0.00 to 17.97 with PWD)	223.25
3	NH-7	Sulemanka Border-Fazilka (starting point) - Abohar - Malout - Bathinda - Barnala - Sangrur - Patiala - Zirakpur - Panchkula - Paonta Sahib - Rishikesh - Ruderpurag-Manna upto Haryana (Sulemanka Border-Fazilka-Abohar Km 0.00 to 48.713 with PWD)	344.17
4	NH-9	Malout (starting point) - Dabwali -upto Haryana border	33.05
5	NH-44	Sri Nagar - Jammu - Pathankot - Mukerian - Jalandhar - Ludhiana - Rajpura - Delhi upto Shambu border	274.39
6	NH-52	Sangrur (Starting point) -Patran - Khanouri - Hissar upto Haryana border	56.84
7	NH-54	Pathankot (Starting point) - Amritsar - Zira - Faridkot - Bathinda - Dabwali upto junction with NH-9 (Amritsar-Bathinda-Jodhpur Rupana Km 112.575 to 299.065 with PWD)	327.65
8	NH-62	Abohar bypass (Starting point) - Saduwali- Sri Ganga Nagar upto Rajasthan border	32.37
9	NH-105-B	The highway starting from its junction with NH-5 near Dhillon Nagar (Moga), connecting Bagha Purana (NH-254) and terminating at its junction with NH-54 near Bajakhana in the State of Punjab.	49
10	NH-148-B	The highway starting from its junction with new NH-48 at Kotputli in the State of Rajasthan connecting Narnaul, Mahendergarh, Charkhi Dadri, Bhiwani, Hansi, Barwala, Tohana in the State of Haryana, Moonak-Jakhal-Budhlada-Bhikhi-Mansa and terminating at its junction with NH-54 near Bathinda	122.14
11	NH-148-BB	The highway starting from its junction with NH-148B near Moonak connecting Lehra Gaga and terminating at Sunam in the State of Punjab.	61.1
12	NH-152	Ambala-Zirakpur-Kalka Road upto Haryana border	30.99
13	NH-152-A	The highway starting from its junction with new NH-54 near Khanauri, Shergarh, Amo in the State of Punjab.	12
14	NH-154	Pathankot - Nurpur - Mandi (upto HP border)	11.97
15	NH-154-A	The highway starting from its junction with NH-154 near Chakki, Dhar in the State of Punjab connecting Banikhet, Chamba and terminating at Bharmour in the State of Himachal Pradesh. (Km 0.00 to 39.360)	39.36
16	NH-	Kharar (Starting point) - Ropar - Kiratpur Sahib- Swarghat - Nauni- Shimla	65.6

Sr. No.	NH No.	Route	Length (KM)
	205	(upto HP border)	
17	NH-205-A	The highway starting from its junction with NH-5 at Kharar connecting Banur and terminating at its junction with NH-44 at Tepla in the State of Punjab.	39.53
18	NH-254	The highway starting from its junction with NH-54 at Mudki connecting Baghapurana, Salabatpura, Rampura, Maur, Takth Sri Damdama Sahib in the State of Punjab and terminating at its junction with NH-54 near Dabwali in the State of Haryana.	155.17
19	NH-344	Ambala-Naraingarh-Paunta Sahib road Km. 9.230 to 13.750	4.52
20	NH-344-A	Phagwara bypass, Banga, Nawanshahr, Balachaur- Ropar (Ropar city portion Km 81.900 to 88.00 with PWD)	88
21	NH-344-B	The highway starting from its junction with NH-44 at Phagwara and terminating at its junction with NH-3 at Hoshiarpur in the State of Punjab.	35
22	NH-354	The highway starting from its junction with NH-54 near Gurdaspur connecting Derababa Nanak, Ramdas, Ajnala, Amritsar (NH-3), Chabal Kalan, Bhikhiwind, Amarkot, Khem Karan (Indo-Pak Border) Arifke, Ferozepur (NH-5), Sadiq, Sri Muktsar Sahib (NH-754), Rupana and terminating at its junction with NH-7	305.39
23	NH-354-B	The highway starting from its junction with NH-354 near Dera Baba Nanak and termination at Indo-Pak Border in the State of Punjab.	6
24	NH-354-E	The highway starting from its junction with NH-09 near Dabwali connecting Sito Gunno and terminating near Abohar on NH-07	50.88
25	NH-503-A	Amritsar-Mehta-Sri Hargobindpur-Tanda- Hoshiarpur in the State of Punjab (RD. 8.27 to 135.040)	126.77
26	NH-503 Extn.	The highway starting from its junction with NH-3 near Mubarakpur connecting Amb, Una, Dehlan in the State of Himachal Pradesh, Anandpur Sahib, Kiratpur Sahib and terminating at its junction with NH-205.	35.72
27	NH-703	Jalandhar (Starting point) - Nakodar - Moga - Barnala , Handiaya, Mansa, Jhunir in the State of Punjab, Sardulgarh and terminating at its junction with new NH-9 near Sirsa in the State of Haryana. (Km 0.00 to 12.00 & Km 149.00 to 234.720 with PWD)	234.72
28	NH-703-A	The highway starting from its junction with new NH-3 near Jalandhar connecting Kapurthala, Sultanpur Lodhi, Pindi, Makhu, Mallanwala and terminating at its junction with New NH-354 near Arifke	101.18
29	NH-703-B	The highway starting from its junction with NH-703 near Moga connecting Harike and terminating at Khalra in the State of Punjab. {RD 0.00 to 86.236 (RD 33.611 to 44.680 is overlap)}	75.16

Sr. No.	NH No.	Route	Length (KM)
30	NH-754	The highway starting from its junction with new NH-54 near Bathinda connecting Muktsar and terminating at Jalalabad in the State of Punjab	74.49
31	NH-703-AA	The highway starting from its junction with NH-703A near Kapurthala connecting Gonidwal Sahib and terminating at its junction with NH-54 near Tarantarn in the State of Punjab.	50.25
32	503D	The highways starting from its junction with NH-03 near Beas connecting Baba Bakala, Mehta (on NH-503A), Batala (on NH-54) and terminating at its junction with NH-354 near Dera Baba Nanak in the State of Punjab.	66
33	754A	"The highway starting from its junction with new NH-54 near Sangat Kalan (Bathinda), connecting Kot Shamir, Lehra Mohabat, Dyalpura, Dharamkot and terminating at its junction with NE-5A near village Tiba (Sultanpur Lodhi) in the State of Punjab."	155
34	754AD	The highway starting from its junction with new NH-754A near Rampura Phul (Bathinda), connecting Raikot, Halwara and terminating at its junction with NE-5 near village Ballowal (Ludhiana) in the State of Punjab.	45
35	205K	"The highway starting from its junction with NH-205 near Bheora village (Rupnagar) connecting, Chamkaur Sahib, Samrala, Machhiwara, Bankar, Dhanansu, Mattewara and terminating at its junction with NE-5 near village Manewal (Ludhiana) including spur starting near village Pippal Majra (Chamkaur Sahib)	130
		Total length of National Highway in the state of Punjab (NHAI + PWD)	3639.7 Kms

3.3. List of State Highways (SH) in Punjab

Table 16 : List of State Highways (SH) in the State

SH Number	Road Name of the State Highways	Length (in Kms)
SH-08	Patiala Pehowa Road	32.11
SH-09	Derabassi Barwala Road	7.93
SH-1	Old Pathankot Kullu Road Sec Malikpur Chowk to Dalhousie Bypass Excluding Mc Portion	4.24
SH-10	Rajpura Patiala Road (Sec Gagan Chowk to Liberty Chowk)	4.68
SH-10	Patran Moonak Tohana Road	22.57
SH-10	Patiala Samana Patran Road	48.53
SH-11	Ludhiana To Malerkotla	43.76
SH-11	Malerkotla Dhuri Sangrur Road	31.68
SH-12A	Chunni Landran Mohali Road	37.25
SH-12A	Bhawanigarh-Nabha - Gobindgarh Road	55.21
SH-12A	Bhawanigarh Sunam Bhikhi Kot Shamir Road	53.31
SH-12B	Jesus Saviour School to Village Bhaironpur Sirhind Chunni Road	4.4
SH-13	Dakha Halwara Raikot Barnala Mansa Sangrur Sirsa Road (Sec. Dakha To Ludhiana Distt. Boundary)	57.86
SH-14	Abohar Hanumangarh Road	21.28
SH-15	Faridkot Ferozepur Road	30.26
SH-16	Moga Kotkapura Road City Portion	3.81
SH-16	Kotkapura Shri Muksar Sahib Road	32
SH-16	Moga Kotkapura Road	4.69
SH-16	Malout Sri Ganga Nagar Road.	40.61
SH-16A	Baghapurana Bhagta Nathana Bhucho Road	38.1
SH-16A	Baghapurana Nithana Road	17.78
SH-17	Roro Sardulewala Road	3.09
SH-17	Bathinda Talwandi Sabo Rori Sardulgarh Road	37.21
SH-19	Moga Harike Road	4.75
SH-20	Zira Ferozepur Jalalabad Fazilka	119.52
SH-24	Balachaur Garhshankar Hoshiarpur Dasuya Road	102.08
Total	Total Length of State Highways in Punjab	858.71 Kms

3.4. List of Major District Roads (MDR) in Punjab

Table 17 : List of Major District Roads (MDR) in the State

MDR Number	Road Name of the Major District Roads	Length (in Kms)
MDR-18	Ratiya Sardulgarh Road	9.18
MDR-20	Bhikhi Budhlada Ratiya Road	21.28
MDR-21	Sangrur To Sunam Via Sibian Tung Road	11.5
MDR-25	Patiala Ghula Cheeka Road	26.23
MDR-31	Patial Sirhind Road	81.36
MDR-31	Sirhind Morinda Road	2.96
MDR-32	Circular Road Nabha	55.92
MDR-32	Circular Road Nabha (Sec- Grid Chowk to Hathimatha Chowk)	1.65
MDR-32	Nabha To District Boundary Patiala Near Galwatti	11.68
MDR-32	Patiala Nabha Road	6.08
MDR-33	Malerkotla Jarg Khana Road	42.08
MDR-40	Malout Fazilka Road	49.19
MDR-42	Salabatpura-Rampura-Maur Road	2.13
MDR-43	Pakhoke Bhadour Bajakhana	55.88
MDR-43	Baja Khana Jaitu Road	9.38
MDR-46	Faridkot Sadiq Deep Singh Wala Gurharsahai Golu Ka Mour	49.04
MDR-46	Faridkot Sadiq Deepsingh Wala	29.26
MDR-47	Kapurthala To Subhanpur Road	52.18
MDR-48	Kartarpur To Kapurthala Road	76.11
MDR-49	Fattudhinga To Sultanpur	17.13
MDR-50	Jagraon To District Boundary Near Raipur Gujran	35.24
MDR-51	Malerkotla Kalsian Road	58.52
MDR-53	Khanna Samrala Machhiwara Rahon Road	60.88
MDR-54	Ludhiana Rahon Road	25.47
MDR-55	Ropar Nurpur Bedi Road	63.12
MDR-59	Anandpur Sahib To Nurpur Bedi Road Upto Jhaji Chowk	11.7
MDR-61	Attari Chabaal Tarn Taran Goindwal Kapurthala	87.45
MDR-62	Taran Taran Patti Khem Karan	49
MDR-63	Attari Fatehgarh Churian Road Via Ajnala Chogawan	117.58
MDR-64	Majitha Fatehgarh Churian Road	26.7
MDR-64	Amritsar Majitha Section Fatehgarh Churian Dera Baba Nanak Road	47.04
MDR-65	Amritsar Chogawan Ranian Road	35.3
MDR-67A	Shri Hargobindpur Khanuwan Gurdaspur Trimmu Road (Sec Gurdaspur Shri Hargobindpur)	37.38
MDR-67B	Gurdaspur Trimmu Road	14.27
MDR-68A	Dera Baba Nanak Gurdaspur Mukerian Road (Sec. Gurdaspur Naushera)	17.18
MDR-68B	Dera Baba Nanak Gurdaspur Mukerian	6.85
MDR-69	Mukerian Talwara Mubarikpur Road	23.84
MDR-72	Sangrur Bypass Road	5.32
MDR-73	Bathinda Ghudda Badal Kheowali Road	26.67
MDR-74	Dunera Saliali Lahroon Gall Road	11.95

MDR Number	Road Name of the Major District Roads	Length (in Kms)
MDR-75B	Makhu Wakha Road	28.15
MDR-76	Nh 64 To Sh 11 Via Bhindran Deh Kalan Bahadur Singh Wala.	15.78
MDR-77	Nh 64 (Jheomajra) To Nh 71 (Sullar Gharat Via Balwar Kalan Gharachon Sangheri Akbarpur Bijalpur Gujjaran)	28.68
MDR-78	Jhourepul To Babanpur Bridge Along Canal	26.37
MDR-79	Malsian Lohian Road	11.52
MDR-80	Cheema Kot Budha Road	19.88
MDR-82	Jalandhar Jandiala Nurmahal Talwan Road	30.73
MDR-83	Periodical Renewal of Bharatgarh Kakrala to Nawa Groan (Sec Old Nh-21 Near Bara Pind)	3.57
MDR-84	Rajia Phander Kot Duna	9.97
MDR-85	Nh 71 To Rogla Via Sullar Dhandoli Kalan Chhahar	15.68
MDR-86	Patti Sirhali Road	11.65
MDR-87	Reru To Dhogri to Alawalpur	9.51
MDR-88	Sunam Lehra Road to Kaurian Via Dialpura Bhaike Pishour	12.14
MDR-89	Beas To Dera Baba Jaimal Singh Sathiala Butala Kartarpur Road	31.68
MDR-90	Machhiwara Rahon Road to Kohara Sahnewal Dehlon Pakhowal to Dhaka Halwara Raikot Road	70.01
Total	Total Length of Major District Roads in Punjab	1697 Kms

3.5. Toll Roads Network in Punjab

Out of a total 6195.41 Km length of National Highways (NH), State Highways (SH) and Major District Roads (MDR) in the state, **2302.82** km falls under toll roads, out of which 1586.018 km are National Highways and 716.802 km are comprising of National Highways, State Highways, Major District Roads and Other District Roads are also covered under Toll Roads falling in the jurisdiction PWD Punjab. The state has total 54 operational toll plazas, out of which 32 are on National Highways and 12 are on State Highways, 4 are on Major District Roads, 2 are on Other District Roads and 4 are on National Highway falling under the jurisdiction of PWD Punjab. Details of Toll Roads Network and location of Toll Plazas are given in Table 18 and Table 19 next.

Table 18 : Toll Plaza on National Highways in Punjab

S. No	PIU	State	Section	Kms. of Tollable Reach	Length as per Tollable Reach	NH Number	Length in Kms	Toll Plaza Location
1	Patiala	Punjab	4 Lane Patiala Bypass from Km 50.00 to Km 64.57 4 Lane from Patiala Bypass to start of Sangrur bypass Km 64.57 to Km 106.17	Km 50.000 - Km 106.170	56.170	07	60.720	Kalajhar at Km 85+950
2	Patiala	Punjab	4 Lane Sangrur bypass from Km 106.170 to Km 116.950 4 Lane Sangrur bypass to Tapa Section NH-7 Km 116.950 to 138.030 & Km 142.950 to 168.00	Km 106.170 to Km 116.950 & Km 116.950 to Km 138.030 & Km 142.950 to Km 168.00	56.910	07	64.00	Badbar at Km 139+720
3	Bathinda	Punjab	Tapa-Bathinda	Km 175.00 to Km 216.350)-Ph-IV	41.350	07	46.910	Lehrabega at Km 199+929

S. No	PIU	State	Section	Kms. of Tollable Reach	Length as per Tollable Reach	NH Number	Length in Kms	Toll Plaza Location
4	Patiala	Punjab	4 Lane Sangrur to Dogal Kalan section & 4 Lane Dogal Kalan to Pb/Hr border	Km. 181.805 to Km 211.450 & Km 211.450 to Km 238.819	57.014	52	57.014	Pained at Km 227+138
5	Bathinda	Punjab	Faridkot-Kot Kapura-Bathinda	Km 221.380 to Km 287.615	66.235	54	66.235	Zidda at Km 267+488
6	Amritsar	Punjab	Amritsar-Wagah Border	Km 456.100 - Km 492.030	35.930	03	35.930	Chhidan at Km 479+868
7	Bathinda	Punjab	Amritsar-Tarn Taran-Harike	Km 112.575- Km 166.925	54.350	54	54.350	Usma at Km 138+140
8	Bathinda	Punjab	Harike-Zira-Faridkot	Km 166.925 to Km 221.380	54.455	54	54.455	Kot karor kalan at Km 205+000
9	Jalandhar	Punjab	Jalandhar-Punjab/J&K border	Km 4.230 to Km 117.750 &	65.770	44	65.770	Chollang at km 34+500
10	Jalandhar	Punjab		Km 4.000 to Km 16.350	60.098	44	60.098	Harsamansar at Km 84+500
11	Amritsar	Punjab	Jalandhar - Amritsar	Km 407.100 - Km 456.100	49.000	03	49.000	Dhilwa at Km 410.140
12	Amritsar	Punjab						Nizzarpura at Km 446+960
13	Amritsar	Punjab	Amritsar-Pathankot	Km 6.082 - Km 108.502	102.420	54	102.420	Ladpalwan at Km 16+000

S. No	PIU	State	Section	Kms. of Tollable Reach	Length as per Tollable Reach	NH Number	Length in Kms	Toll Plaza Location
14	Amritsar	Punjab						Waryamnangal at Km 88+500
15	Jalandhar	Punjab	Lambra-Shahkot-Moga-barnala	Km 12.000 to 77.200	65.200	703	65.200	Chak Bamniya at Km 50+835
16	Jalandhar	Punjab	Phagwara-Rupnagar	Km.0.00 to 40.410	40.410	344A	40.410	Behram at Km 15+300
17	Jalandhar	Punjab	Phagwara-Rupnagar	Km.40.410 to 80.820	40.410	344A	40.410	Bachuan at Km 70+240
18	Ambala	Punjab	Khanna-Jalandhar	Km 272 - km 372	100.000	44	115.100	Lodowal at Km 328+050
19	Ambala	Punjab	Shambhu - Khanna	Km. 211.700 to Km. 272.000	60.300	44	60.300	
20	Chandigarh	Punjab	Ambala-Zirakpur	Km 5.735 to Km 39.960 Km	34.225	152	34.225	Dappar at Km 23+100
21	Chandigarh	Punjab	Kurali-Kiratpur	Km 28.600 to Km 73.200	44.600	205	44.600	Behrampur at Km 35+000
22	Patiala	Punjab	Zirakpur-Patiala	Km. 0.000 to Km 28.110	50.000	07	28.110	Azizpur at km 9+120
23	Patiala	Punjab	Zirakpur-Patiala	Km. 28.110 to Km 50.000		07	21.890	Dhareri Jattan at km 42+600
24	Chandigarh	Punjab	Kharar-Ludhiana	Km. 10.185 to Km. 86.199	76.014	05	76.014	Bhago Majra at Km 12+070

S. No	PIU	State	Section	Kms. of Tollable Reach	Length as per Tollable Reach	NH Number	Length in Kms	Toll Plaza Location
25	Chandigarh	Punjab	Kharar-Ludhiana	Km. 10.185 to Km. 86.199		05		Ghulal at Km 60+000
26	Ludhiana	Punjab	Ludhiana-Talwandi	Km.92.000 to Km.170.00	78.000	05	78.000	Gurhe at Km 104+850
27	Ludhiana	Punjab	Ladowal Bypass	Km 0.000 to Km 17.041	17.041	NA	17.041	Chahar at Km 12+200
28	Amritsar	Punjab	Amritsar-Khemkaran	Km 22.673 to Km 71.496	48.823	354	48.823	Manan at Km 70+800
29	Bathinda	Punjab	Maur-Romana Mandi	Km 82.400 to Km 132.300	49.900	254	49.900	Shekhpura at Km 117.22
30	Bathinda	Punjab	Abohar to Sito gunno	Km 0 to Km 50.885	50.885	354E	50.885	Kala Tibba at Km 45.660
31	Bathinda	Punjab	Bathinda-Malout	Km 0 to Km 38.664	38.664	07	38.664	Baluana at Km 11.950
32	Ludhiana	Punjab	Moga-Tallewal-Barnala	Km 77.220 to Km 149.000	68.290	703	68.290	Jagjitpura at Km 137.450
33	Ludhiana	Punjab	Talwandi Bhai to Ferozpur	Km 170.380 to Km 194.040	23.554	05	23.554	Ferozshah at Km 183.730
Total Length of Toll Road in the state of Punjab					1586.018 Km			32

Table 19 : Toll Plaza on National Highways, State Highways, Major District Roads and Other District Roads under PWD Punjab

Sr. No.	Name of Road	Toll able Road Length	Road Classification	Nearby Toll Plaza Village/Town	PWD Kilometer Chainage of Toll Plaza	Administrative District
1	Kiratpur Sahib - Anandpur Sahib – Una (NH-503 Extension)	35.72	National Highway Extension	Kotla Nakkian	32.50	Rupnagar (Ropar)
2	Balachor-Hoshiarpur-Dasuha (SH-24)	104.96	State Highway	Majri Tull	36.88	SBS Nagar
				Chabewal	87.85	Hoshiarpur
				Mangarh	135.00	Hoshiarpur
3	Hoshiarpur Tanda (NH-503A)	29.90	National Highway	Lachowal	102.00	Hoshiarpur
4	Morinda Kurali Siswan (MDR-31)	29.66	Major District Road	Baraudi	14.50	SAS Nagar
5	Bhiwanigarh Nabha Gobindgarh (SH-12A)	55.42	State Highway	Majhi	3.30	Sangrur
				Gobindgarh Nabha	40.98	Fatehgarh Sahib
6	Dakha Raikot Barnala (SH-13)	57.94	State Highway	Raqba	5.04	Ludhiana
				Mehal Kalan	35.40	Barnala
7	Patiala Samana Patran (SH-10)	48.60	State Highway	Asarpur Chupki	90.25	Patiala
8	Jagraon Nakodar Road (MDR-50)	39.90	Major District Road	Bitlan	19.36	Jalandhar
9	Fazilka-Ferozpur (SH-20)	84.43	State Highway	The kalandar	77.00	Fazilka
				Mahmu Joyia	44.00	Ferozpur
10	Moga Kotkapura Road (NH-105B)	47.70	National Highway	Chandpurana	11.57	Moga
11	Patiala-Malerkotla Road (MDR-32)	55.77	Major District Road	Kalyan	9.73	Patiala
				Mahorana	45.20	Sangrur

Sr. No.	Name of Road	Toll able Road Length	Road Classification	Nearby Toll Plaza Village/Town	PWD Kilometer Chainage of Toll Plaza	Administrative District
12	High Level Bridge on Satluj at Makhu (NH-54)	0.70	National Highway	Gidderpindi	at Site	Jalandhar/Ferozpur
13	Ludhiana Malerkotla Sangrur Road (SH-11)	71.352	State Highway	Ladda	-	Sangrur
				Lehra	-	Ludhiana
14	Ropar Chamkaur Sahib Neelon Doraha Along Sirhand Canal (ODR-18,22,25)	54.75	Other District Road	Machiwara	8.20	Ludhiana
				Neelon	46.50	Ludhiana
Total Length of Tollable NH, SH, MDR and ODR under PWD Punjab (Km)		716.802	Total Number of Toll Plaza Operational on NH, SH, MDR and ODR under PWD Punjab			22 Nos.



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Toll Plazas and Toll Roads in Punjab

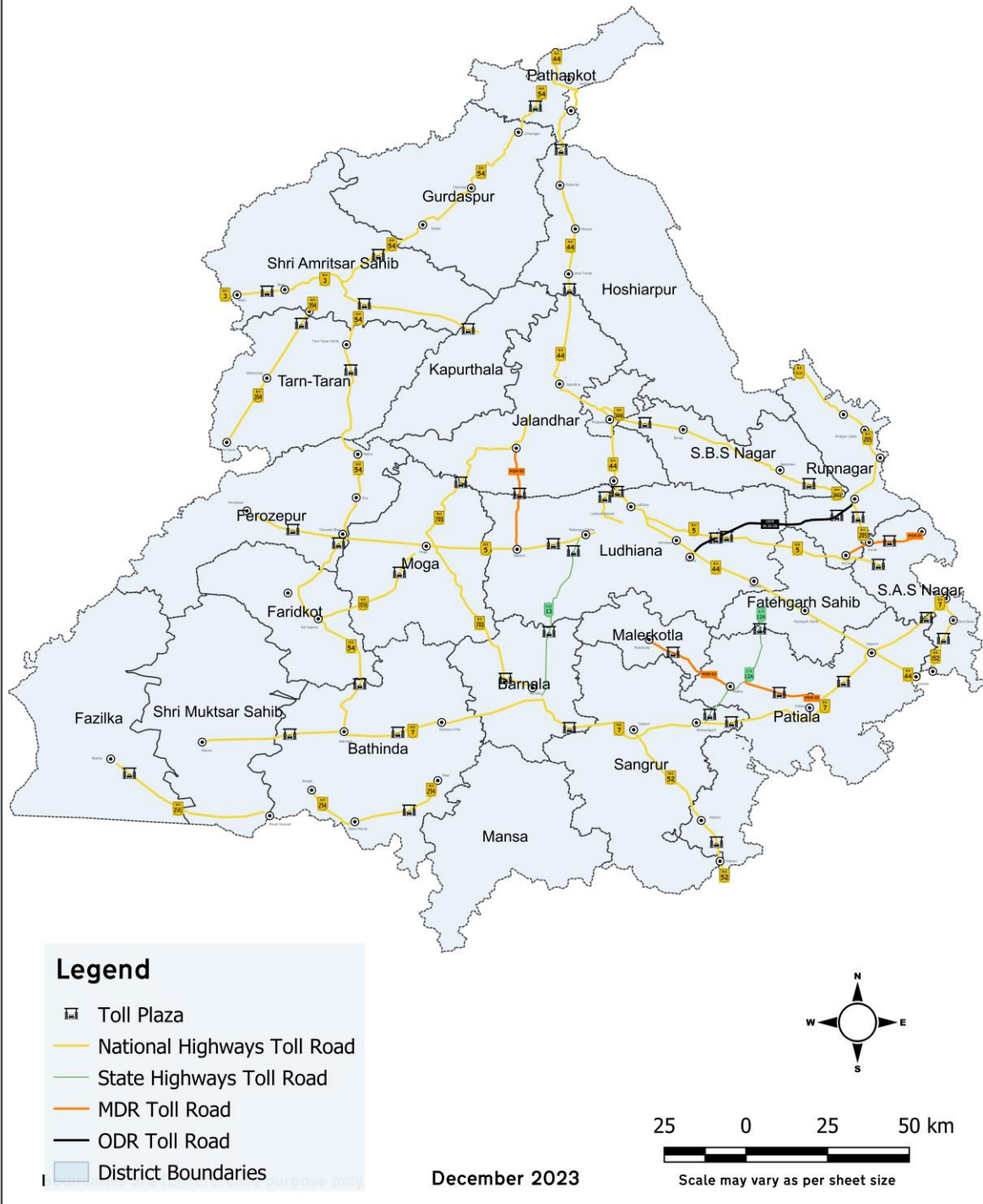


Figure 14: Locations of Various Operational Toll Roads and Toll Plazas in Punjab

4. Motor Vehicles in Punjab

4.1. Number of Registered Motor Vehicles in Punjab

As per available data with Transportation Department Punjab and Ministry of Road Transport and Highways, Government of India, the total cumulative numbers of a registered motor vehicle in Punjab were 1,27,27,605 till December 2022, with an annual growth rate of +7.44%. In the year 2022, a total 5,55,429 motor vehicle registered in Punjab out of which 68% (3,80,113) were two wheelers and 26% (1,44,644) were Car/Jeep/Van/Taxi. At the same time a total 2,15,70,374 motor vehicles were registered in India against 5,55,429 of Punjab i.e., 2.57% of the total country's motor vehicles registered in Punjab in the year 2022.

Table 20 : Year-wise total registered vehicles in Punjab

Years	Total Registered Vehicle	Cumulative Number of Registered Motor Vehicles in Punjab	Growth Rate
2022	5,55,429	1,27,27,605	+7.44%
2021	5,16,968	1,21,72,176	+0.61%
2020	5,13,816	1,16,53,188	-32.08%
2019 ⁸	7,56,481	1,11,39,372	-9.52%
2018	8,36,082	103,82,891	0.47%
2017	8,32,190	95,46,809	8.14%
2016	7,69,520	87,14,619	-
Previous Total	79,45,099		

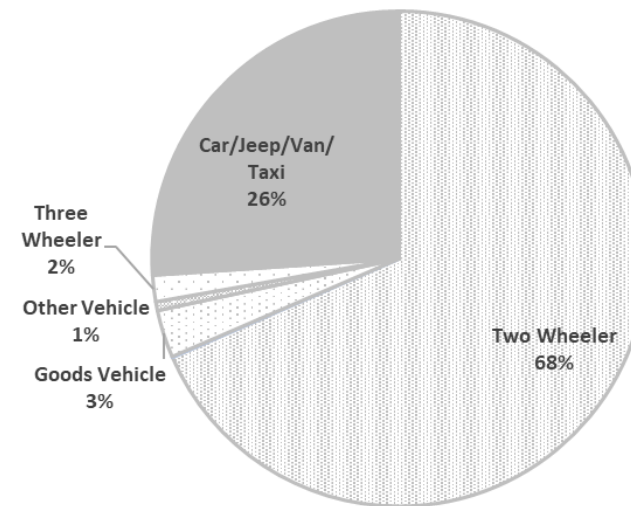


Figure 15 : Percentage Share of Registered Motor Vehicles in Punjab (2022)

⁸ <https://vahan.parivahan.gov.in/vahan4dashboard/> accessed on 23rd December 2023

5. Punjab Traffic Police Strength: Manpower and Highway Patrol

5.1. Punjab Traffic Police Strength: Manpower Deployment Commissioner of Police/Police District Wise

Table 21 : Police District Wise Traffic Wing Manpower Deployment Details

Sr. No.	Name of CPs / Police Districts.	S.P.	D.S.P.	Inspector	Sub-Inspector	Assistant Sub-Inspector	Head Constables	Constables	TOTAL
		Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted
1	CP/ Amritsar	-	1	3	2	154	20	10	190
2	CP/ Jalandhar	-	0	05	3	2	18	102	130
3	CP/ Ludhiana	1	2	0	6	96	24	46	175
4	SSP/ Ferozpur	-	0	1	0	0	6	31	38
5	SSP/ Muktsar Sahib	-	0	0	2	0	4	49	55
6	SSP/ Moga	-	0	02	0	0	3	29	34
7	SSP/ Faridkot	-	0	1	1	16	02	01	21
8	SSP/ Mansa	-	0	0	0	0	10	37	47
9	SSP/ Bathinda	-	1	0	1	02	13	43	60
10	SSP/ Patiala	-	0	1	6	74	25	07	113
11	SSP/ Sangrur	-	0	1	3	37	0	16	57
12	SSP/ Barnala	-	0	0	0	0	12	28	40
13	SSP/ Fatehgarh Sahib	-	0	0	2	0	1	18	21
14	SSP/ Ludhiana Rural	-	01	1	0	9	1	8	20
15	SSP/ Khanna	-	0	1	0	2	3	10	16
16	SSP/ Jalandhar Rural	-	1	1	1	0	4	17	24
17	SSP/ Kapurthala	-	0	1	1	44	2	00	48
18	SSP/ Hoshiarpur	-	1	1	0	45	03	00	50
19	SSP/ Amritsar Rural	-	0	0	1	2	12	70	85
20	SSP/ Gurdaspur	-	0	0	1	3	3	15	22

Sr. No.	Name of CPs / Police Districts.	S.P.	D.S.P.	Inspector	Sub-Inspector	Assistant Sub-Inspector	Head Constables	Constables	TOTAL
		Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted	Actual Posted
21	SSP/ Tarn Taran	01	0	1	0	37	0	05	44
22	SSP/ Batala	-	0	0	0	1	04	25	30
23	SSP/ SBS Nagar	-	0	0	01	0	03	24	28
24	SSP/ Rupnagar	01	0	0	0	01	04	24	30
25	SSP/ SAS Nagar	01	1	02	0	03	15	142	164
26	SSP/ Fazilka	-	0	0	0	21	0	02	23
27	SSP/ Pathankot	-	01	0	1	22	02	0	26
	Total	4	09	22	32	571	194	759	1591

5.2. Highway Patrol

There are 62 Highway Patrol Vehicles are deployed on the various Highways of Punjab. The details are as under:

Table 22 : Police Commissioner/Police District wise Highway Patrol Vehicle Deployment Details

Sr. No.	Name of Police Commissioner/ Police District	Name of the NH and SH Stretch	Halting Point for Highway Patrol Vehicles.
1	Barnala	Kunnran to Bathinda Bypass (T-Point, Barnala)	Cannel Bridge, Harigarh
2	Barnala	Bathinda Bypass (T-Intersection on Barnala to JethuKe Road)	Highway Picket, Handiaya
3	Mansa	Mansa Intersection To village Aklia Road (Mansa Barnala Road) (25Km)	Mansa X- Junction
4	Fazilka	Village Paki to Village Ghallu 30 Kms.	1.Abohar Bypass 2.Near Ganga Nagar
5	Jalandhar Rural	Sutlej Bridge to Chachrari (21 Km)	1) DAV Road Opening, Phillaur 2) Bus Stand Phillaur 3) Bus Stand Goraya
6	Jalandhar Rural	Nurpur To Chalang (32 Km)	1) Bhullath Turn at Bhogpur 2) Pachranga 3) Kishangarh Intersection
7	Jalandhar Rural	Billy Chaharam To Kawawala Pattan (24 Km)	1) T Point Malsian 2) Truck Union Shahkot 3) Bajwa Kalan
8	Jalandhar Rural	Ferozepur to Darapur (Moga Road)	Talwandi Bhai
9	Jalandhar Rural	HariKe to Zira to Talwandi Bhai to Baja Khana (ASR to BTA Road)	Makhu City
10	Jalandhar Rural	Ferozepur to Amir Khas (Jalalabad Road)	Near Gurdwara Pargat Sahib
11	Patiala	Shambu to Basantpura	Shambu Village
12	Patiala	Bahadurgarh to Rajpura	Bahadurgarh
13	Patiala	Banur to GaganIntersectionRajpura	Banur
14	Patiala	Passiana to GajuMajra (Patiala)	Passiana
15	Bathinda	ITI Intersection, Bathinda Village Bhai Desa to Mansa Road	Highways Patrolling Station at Vill. Kotshamir
16		Octroi Pragpur to Lidhran Gate, Amritsar Road	Pathankot Intersection
17	Ludhiana	Toll Plaza Jalandhar Road to	Sherpur Intersection

Sr. No.	Name of Police Commissioner/ Police District	Name of the NH and SH Stretch	Halting Point for Highway Patrol Vehicles.
		Gurdwara Attar Sar Sahib Road	
18	Ludhiana	Samrala Intersection to Neelo Bridge	Jamalpur Intersection
19	Ludhiana	Village Allour to Gurdwara Shri Attarsar Sahib Road	S.D.M. Office G.T.Road Khanna (Near Police Station Sadar, Khanna)
20	Ludhiana	Village Heddon to Neelon Canal Bridge	Court Complex Near Police Station, Samrala
21	Shri Mukutsar Sahib	Mandi Killeanwali to Ratta Tibba 56Kms.	Check Post, Aadhnia
22	Shri Mukutsar Sahib	Dera Lang to Pakki Tibbi. 48 Kms.	Check Post, Thehri
23	S.B.S Nagar	Ropar to Balachour at 30 Kms.	Kathgarh Turning near Kangna Bridge
24	S.B.S Nagar	Balachour to NawanShahr 23 Kms.	Garhi Bypass, Birowal, T-point Jadla, Barnala Gate
24	S.B.S Nagar	NawanShahr to Mehli Intersection Road 37 Kms.	MalpurArhkan, Kahma Bus Stand, Thandian Turn
26	Taran Taran	Tarn Taran to Harike Road	Gohalwar
27	Taran Taran	Tarn Taran to Harike Road	Thatian Mahantan
28	Taran Taran	Amritsar to Khemkaran Road	Jhabal Intersection (Jhabal)
29	Faridkot	RomanaAjit Singh to Kotkapura Road	1.Dholwan Kalan Petrol Pump 2 LambhWali Bus Stop 3 Romana Ajit Singh Bus Stand
30	S.A.S. Nagar	UT Barrier to Banur Barrier 25 Kms.	Rampur T-Point Peer Baba Morh Chhat
31	S.A.S. Nagar	Zirakpur Barrier to Jharmari Barrier 38 Kms.	Bhankharpur. Barbala Morh, Lehli
32	S.A.S. Nagar	Mohali to Kurali-Khanpur Intersection to Mankheri 25 Kms.	Mohali, Kharar, Sahouran, Kurali, Khanpur Intersection to Gharauan Mankheri
33	RupNagar	Kurali to Ropar 18Kms.	ChatouliMorh, Singh, Behrampur, Rangilpur
34	RupNagar	Ropar to Shri Anandpur Sahib 45 Kms.	Ghanauli, Kiratpur Sahib, AgampurMorh

Sr. No.	Name of Police Commissioner/ Police District	Name of the NH and SH Stretch	Halting Point for Highway Patrol Vehicles.
35	RupNagar	Mankheri to Kajoli Bridgel 13 Kms.	Mankheri, Sarhind Bypass Traffic Signal Kajoli
36	Sangrur	Phagguwala Intersection to Mehalan Intersection	Mehalan Intersection
37	Sangrur	Sangrur-Dhuri to Malerkotala	Kakarwal Choowk Dhuri
38	Sangrur	AkabrPur Chhana to Ahmedgarh	Akbar Pur Chhna
39	Ludhiana Rural	Mullanpur to Canal bridge Dadahur. 35 Kms.	1.Baranala Intersection (Raikot) 2.Canal Bridge Sudhar
40	Kapurthala	Jamalpur to Khajurala to Mehali bypass Phagwara.	1. Mehtan Bypass, Lovely Cheheru Bridge
41	Kapurthala	Dyalpura to Beas bridge Dhillwan	1. Dyalpur, Hameera, Subanpur, Khanbowal. 2.Toll Plaza, Dhillwan
42	FathehGarh Sahib	Mugal Mazra to Juenpura Intersection Sirhind	1.Madhupur Intersection 2 Traffic Light Intersection Gobindgarh.
43	FathehGarh Sahib	Madhopur Intersection to Fagan Majra Road	Kharora Bus Stand Jakhwali T Intersection
44	FathehGarh Sahib	UchhanJatana to Khant Manpur Road	Main Intersection, Khamano
45	Hoshiarpur	Garn Sahib to Paper Mill Mukerian	Opposite Bus Stand, Dasuya
46	Hoshiarpur	Papermil-Mukerian to Mansar Barrier Mukerian	Naushehra Intersection, Mukerian
47	Hoshiarpur	Mandiala to Manguwal Barrier Hoshiarpur	Singrwal Bypass, Hoshiarpur.
48	Hoshiarpur	Chalaang to Garna Sahib Tanda	Darapur Bypass, Tanda
49	Gurdaspur	Uddowal Police Barrier to Babri bypass	1. Bus Stand Sohal 2. Tariza Nagar Intersection. 3. Bidhipur Intersection Bypass.
50	Gurdaspur	Babri bypass to Bhaniar Sugar Mill	1. Near Bus Stand Barrier on Bypass Intersection with Sugar Mill. 2. Bus Stand Bhania and T- point Intersection Jandey
51	Batala	Ajibwali Mour to Udhawal Naka	1. Bidhipur Railway Crossing 2. Bus Stand, Jaintipur
52	Pathankot	New Chakki Bridge Pathankot to	Baggar Intersection

Sr. No.	Name of Police Commissioner/ Police District	Name of the NH and SH Stretch	Halting Point for Highway Patrol Vehicles.
		Katori Bangla Dunera	
53	Pathankot	Madhopur to Mirthal	Madhopur
54	Pathankot	Bhaniar Sugar Mill to Intersection Sharna	Jakholahari
55	Moga	Moga to ChurChack (Ludhiana Road)	Bughipura Intersection
56	Moga	Moga to Panjgrain (KotKapura Road)	Octroi Post No.3, Moga Bypass
57	Moga	Moga to Darapur (Ferozepur Road)	Duneke Canal
58	Moga	Moga to Kamalke Jalandhar Road	Lohara Intersection
59	Amritsar Rural	Jandiala to Beas	1. X- Intersection 2. Beas Bridge
60	Amritsar Rural	Walha to Jandiala	1. Toll Plaza, Manawala 2. Daburji
61	Amritsar Rural	Verka Intersection to Ajaibwali Mour	Jathuwal
62	Amritsar Police Commissioner	Nil	Nil

6. Road Accident Black Spots Identified within Punjab for the years 2019-2021

The document titled "Accident Black Spot Identification & Rectification Program on Various Highways/Roads of Punjab - 2021" was prepared by the Punjab Road Safety and Traffic Research Centre. The primary purpose of the exercise was to identify accident black spots in the state of Punjab, aiming to better manage traffic on the roads through scientific and data-driven techniques, ultimately contributing to the overall improvement in road safety.

Currently, the state of Punjab has 23 Administrative Districts, which are further subdivided into 25 Police Districts, along with 3 Police Commissionerate. Within this report, a total of 583 accident black spots have been identified across 28 police districts/Commissionerate areas of Punjab. The comprehensive list of these 28 police districts/Commissionerate areas, along with their respective administrative districts covered under Phase III of this program, is presented in Table 23.

It is worth noting that in accordance with the Ministry of Road Transport and Highways (MoRTH) Circular, the identification of Black Spots encompasses State Highways, Major District Roads, Other District Roads, Village Roads, and Urban Roads. The same definition of an Accident Black Spot is applied universally. Out of the total number of Accident Black Spots identified during Phase III spanning the years 2019 to 2021, 302 of these are recurring from the existing black spots identified in the previous phases, namely Phase I and Phase II. Additionally, a total of 281 new accident black spots have emerged on various roads within Punjab.

Table 23: District Wise List of Black Spots Identified in Punjab for the 3rd phase (2019-2021)

S. No.	Police Districts	Recurring/Existing Black Spots	New Road Accident Black Spots	Total Black Spots (2019-2021)
1	Amritsar CP	8	8	16
2	Amritsar Rural	2	9	11
3	Barnala	8	5	13
4	Batala	3	4	7
5	Bathinda	13	13	26
6	Faridkot	5	5	10
7	Fatehgarh Sahib	26	11	37
8	Fazilka	2	7	9
9	Firozpur	3	5	8
10	Gurdaspur	2	3	5
11	Hoshiarpur	11	12	23
12	Jalandhar CP	7	16	23

S. No.	Police Districts	Recurring/Existing Black Spots	New Road Accident Black Spots	Total Black Spots (2019-2021)
13	Jalandhar Rural	18	10	28
14	Kapurthala	8	9	17
15	Khanna	17	6	23
16	Ludhiana CP	52	25	77
17	Sangrur	10	18	28
18	Ludhiana Rural	2	4	6
19	Malerkotla	1	1	2
20	Mansa	8	4	12
21	Moga	3	11	14
22	Pathankot	9	6	15
23	Patiala	15	20	35
24	Rupnagar	7	14	21
25	SAS Nagar	49	32	81
26	SBS Nagar	8	13	21
27	Shri Muktsar Sahib	1	9	10
28	Tarn Taran	4	1	5
GRAND TOTAL		302	281	583

The definition of accidental black spots on National Highways is provided in Ministry's OM No. RW/NH-15017/10912015-P&M (RSCE) dated 28.10.2015. Punjab adopted this definition for the entire state of Punjab covering all Highways and undertaken this task of identification and rectification of accidental black spots in the state of Punjab.

Definition of Black spot (MoRTH): According to Ministry of Road Transport & Highways (MoRTH), Government of India, road accident black spots on National Highways is a road stretch of about 500m in length in which either 5 road accidents (involving fatalities/grievous injuries) took place during last three calendar years or 10 fatalities took place during last three calendar years.

Table 24 : Police Districts wise Numbers of Existing Black Spots on All Roads in Punjab (2019-2021)

Recurring/Existing Black Spots on All Roads in Punjab (2019-2021)								
S. No.	Police Districts	National Highway	State Highway	MC Roads/Urban	Major District Roads	Other District Roads	Village Roads	Total
1	Amritsar CP	3	5	0	0	0	0	8
2	Amritsar Rural	2	0	0	0	0	0	2
3	Barnala	8	0	0	0	0	0	8
4	Batala	2	0	0	0	1	0	3
5	Bathinda	12	1	0	0	0	0	13
6	Faridkot	3	2	0	0	0	0	5
7	Fatehgarh Sahib	21	0	0	5	0	0	26
8	Fazilka	0	2	0	0	0	0	2
9	Firozpur	1	2	0	0	0	0	3
10	Gurdaspur	2	0	0	0	0	0	2
11	Hoshiarpur	10	0	0	1	0	0	11
12	Jalandhar CP	7	0	0	0	0	0	7
13	Jalandhar Rural	18	0	0	0	0	0	18
14	Kapurthala	8	0	0	0	0	0	8
15	Khanna	16	0	0	1	0	0	17
16	Ludhiana CP	42	6	4	0	0	0	52
17	Sangrur	7	3	0	0	0	0	10
18	Ludhiana Rural	2	0	0	0	0	0	2
19	Malerkotla	0	1	0	0	0	0	1
20	Mansa	8	0	0	0	0	0	8
21	Moga	3	0	0	0	0	0	3
22	Pathankot	9	0	0	0	0	0	9
23	Patiala	10	1	2	1	0	1	15
24	Rupnagar	7	0	0	0	0	0	7
25	SAS Nagar	39	0	8	1	1	0	49
26	SBS Nagar	8	0	0	0	0	0	8
27	Shri Muktsar Sahib	1	0	0	0	0	0	1
28	Tarn Taran	4	0	0	0	0	0	4
Grand Total		253	23	14	9	2	1	302
Percentage		83.8%	7.6%	4.6%	3.0%	0.7%	0.3%	100%

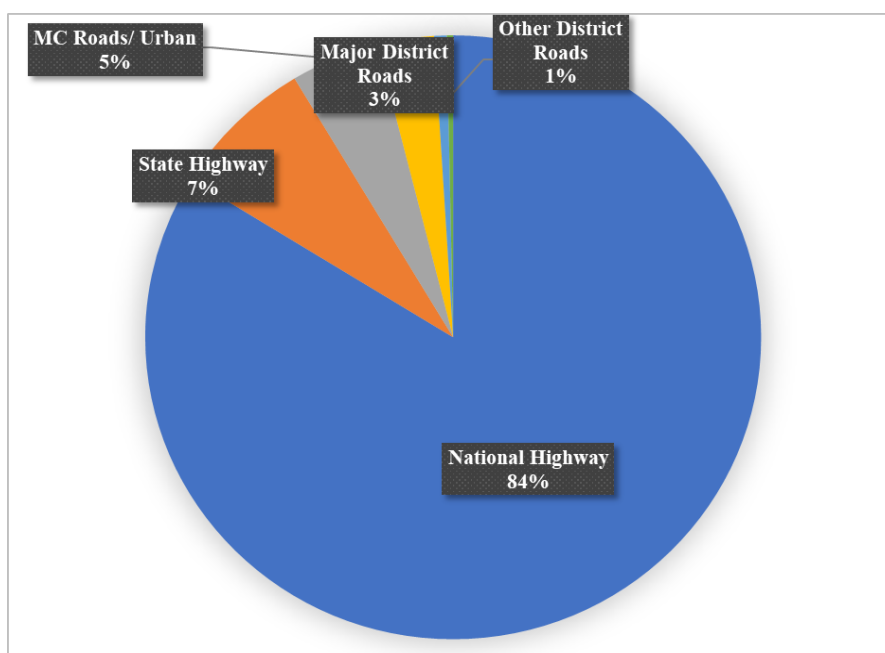


Figure 16 : Highway/Road Category wise Distribution of Recurring/Existing Black Spots Identified

In total of 302 recurring/existing Black Spots identified in 28 Police Districts of Punjab, 253 (84%) of them falls on National Highways alone, followed by 23 (8%), 14 (4%) and 9, (3%) on State Highways, Municipal Local Government roads and Major District Roads respectively. 2 (0.6%) of the identified accidental black spots are on Other District Roads and 01 (0.4%) black spots are on Village Link Road as given in Table above.

Table 25 : Police District wise Number of Newly Identified Accident Black Spots on All Roads in Punjab (2019-2021)

New Road Accident Black Spots on All Roads in Punjab (2019-2021)								
S. No.	Police Districts	National Highway	State Highway	MC Roads/Urban	Major District Roads	Other District Roads	Village Roads	Total
1	Amritsar CP	5	1	1	0	0	1	8
2	Amritsar Rural	8	0	0	0	0	1	9
3	Barnala	1	2	2	0	0	0	5
4	Batala	3	0	1	0	0	0	4
5	Bathinda	13	0	0	0	0	0	13
6	Faridkot	4	1	0	0	0	0	5
7	Fatehgarh Sahib	4	4	0	3	0	0	11
8	Fazilka	1	4	0	1	1	0	7
9	Firozpur	1	4	0	0	0	0	5

10	Gurdaspur	2	0	0	1	0	0	3
11	Hoshiarpur	7	4	0	1	0	0	12
12	Jalandhar CP	14	0	1	0	0	1	16
13	Jalandhar Rural	9	0	0	0	1	0	10
14	Kapurthala	7	0	1	0	1	0	9
15	Khanna	6	0	0	0	0	0	6
16	Ludhiana CP	14	4	3	0	0	4	25
17	Sangrur	8	7	1	0	2	0	18
18	Ludhiana Rural	3	1	0	0	0	0	4
19	Malerkotla	0	0	0	1	0	0	1
20	Mansa	3	0	0	0	0	1	4
21	Moga	8	1	1	0	0	1	11
22	Pathankot	6	0	0	0	0	0	6
23	Patiala	9	3	1	4	0	3	20
24	Rupnagar	14	0	0	0	0	0	14
25	SAS Nagar	16	0	12	1	2	1	32
26	SBS Nagar	9	1	0	2	0	1	13
27	Shri Muktsar Sahib	8	0	0	1	0	0	9
28	Tarn Taran	0	0	0	1	0	0	1
Grand Total		183	37	24	16	7	14	281
Percentage		65.1%	13.2%	8.5%	5.7%	2.5%	5.0%	100.0%

In total of 281 New Black Spots identified in 28 Police Districts of Punjab, 183 (65.1%) of them falls on National Highways alone, followed by 37 (13.2%), 24 (8.5%) and 16 (5.7%) on State Highways, Municipal Local Government roads and Major District Roads respectively. 7 (2.5%) of the identified accidental black spots are on Other District Roads and 14 (5%) black spots are on Village Link Road as given in Table above 4-2 and 4-3.

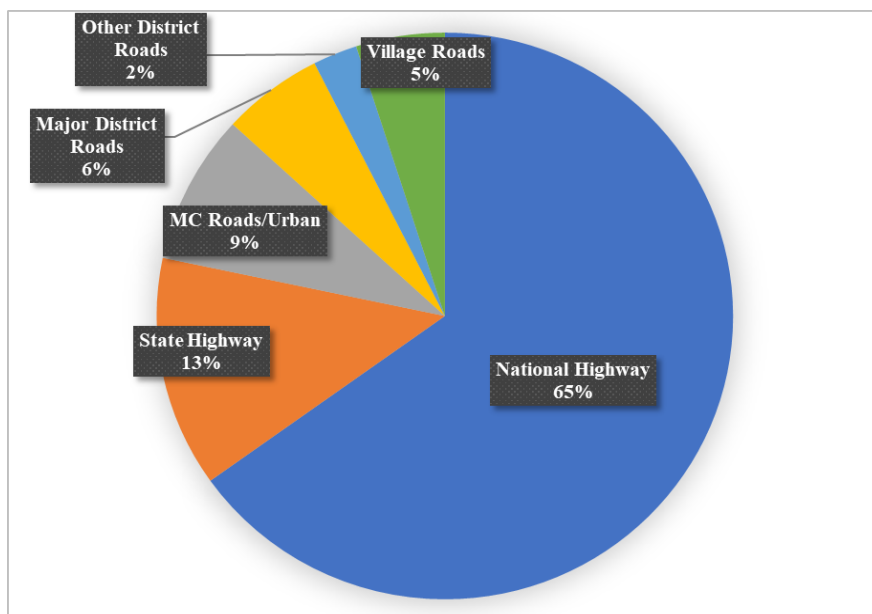


Figure 17: Highway/Road Category wise Distribution of Newly Identified Accident Black Spots

7. Road Accident Analysis in Police Commissionerate Districts-2022

7.1. Detailed Summary of Road Accidents in Police Commissionerate's of Punjab

There are three Police Commissionerate districts in Punjab namely Amritsar, Jalandhar and Ludhiana. A total of 515 people died due to road accidents in three Police Commissionerate jurisdictions which account for 11.25% in the total share of road accident fatalities in the state.

Table 26 : Month wise distribution of road accident fatalities in Police Commissionerate districts

Month	Total Persons died in Road Accidents		
	Amritsar Commissionerate	Jalandhar Commissionerate	Ludhiana Commissionerate
January	7	10	28
February	11	7	26
March	3	7	36
April	8	6	24
May	9	11	16
June	7	8	33
July	2	9	24
August	2	3	42
September	6	9	30
October	4	6	31
November	8	8	28
December	1	7	38
Grand Total	68	91	356

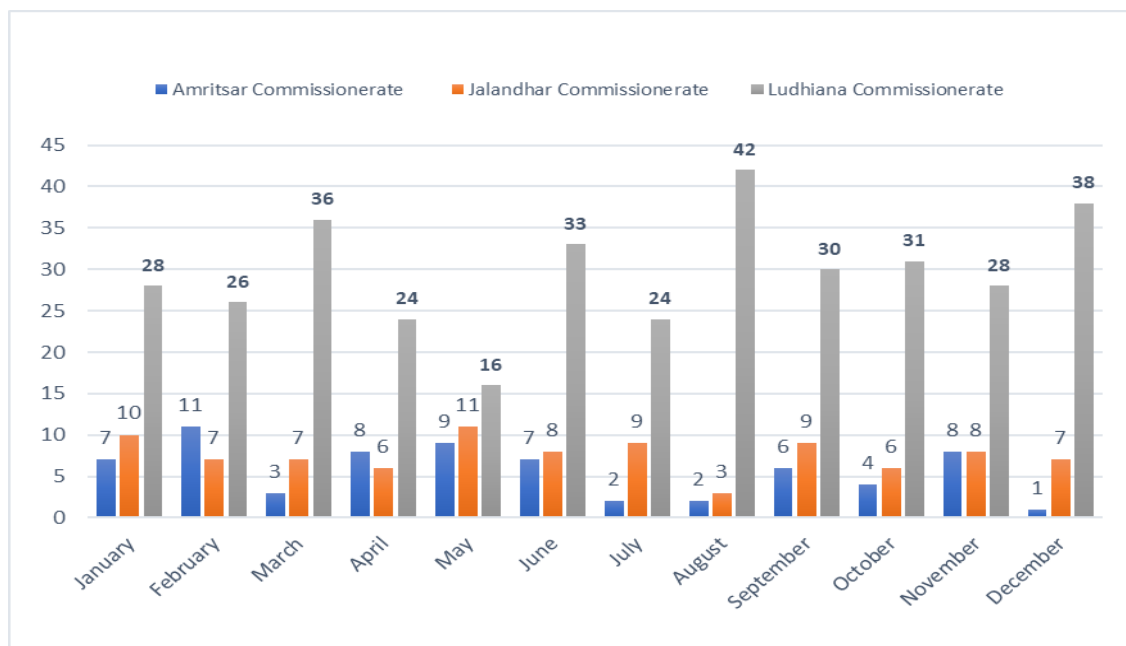


Figure 18: Month wise distribution of Fatalities in Police Commissionerate district

AMRITSAR POLICE COMMISSIONERATE - 2022

Number of Crashes: 114*

Fatalities: 68

Seriously Injured: 76

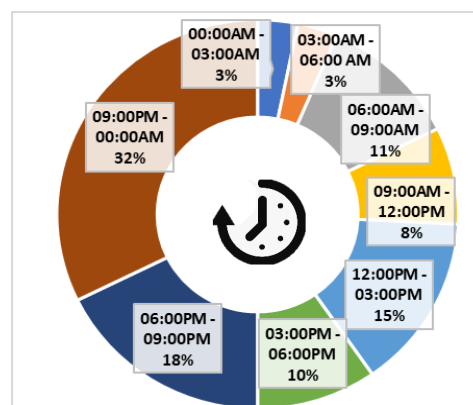
Minor Injured:

*Including CrPC Cases

- Overall, 4.6% of Rise in Road Accident Fatalities observed, compared with 2021.
- Month of February and April were the most critical months.
- Most Fatalities have occurred between 09:00 PM to 12:00 AM.
- Car/Jeep/Taxi accounted for 17% in Total Fatalities as Impacting Vehicles.
- According to Victim Profile 43% were Two Wheelers and 31% were Pedestrians.

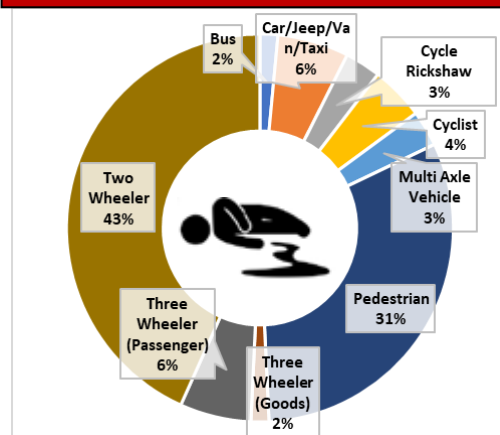


Time wise profile



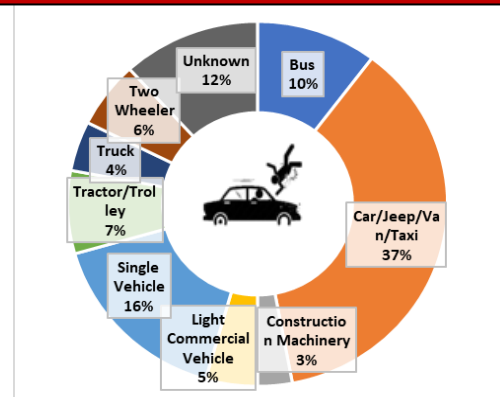
Month	Total Cases	Fatalities	Serious Injuries	Minor Injuries
January	9	7	9	0
February	16	11	9	1
March	6	3	1	1
April	13	8	11	0
May	11	9	5	1
June	11	7	6	0
July	6	2	4	1
August	6	2	6	0
September	11	6	4	4
October	9	4	11	0
November	11	8	6	0
December	5	1	4	0
Grand Total	114	68	76	8

Victim Vehicle Profile



Collision Type	Fatalities	Serious Injuries	Minor Injuries
Head On	4	13	2
Hit Cyclist	3	1	0
Hit Fixed Object	4	2	0
Hit from Back	19	22	4
Hit from Side	7	22	2
Hit Parked Vehicle	1	0	0
Hit Pedestrian	21	14	0
Others	4	1	0
Overturning	0	1	0
Skidding	2	0	0
Hit Animal	3	0	0
Grand Total	68	76	8

Impacting Vehicle Profile



JALANDHAR POLICE COMMISSIONERATE - 2022

Number of Crashes: 129*

Fatalities: 91

Seriously Injured: 65

Minor Injured: 12

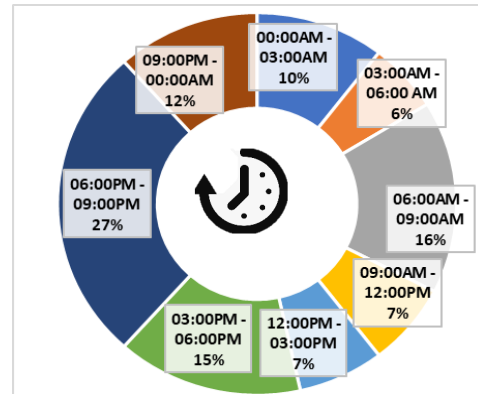
*Including CrPC Cases

- Overall, 1.1% of fall in Road Accident Fatalities observed, compared with 2021.
- Month of January and May were the most critical months.
- Most Fatalities have occurred between 09:00 PM to 12:00 AM.
- Car/jeep /Taxi accounted for 29% in Total Fatalities as Impacting Vehicles.
- According to Victim Profile 52% were Two Wheelers and 20% were Pedestrians.

Police Station Boundaries in Jalandhar Police Commissionerate

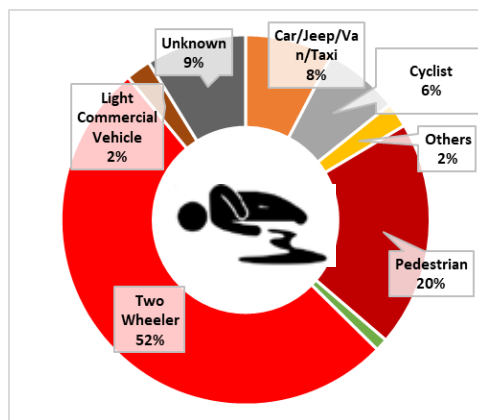


Time wise profile



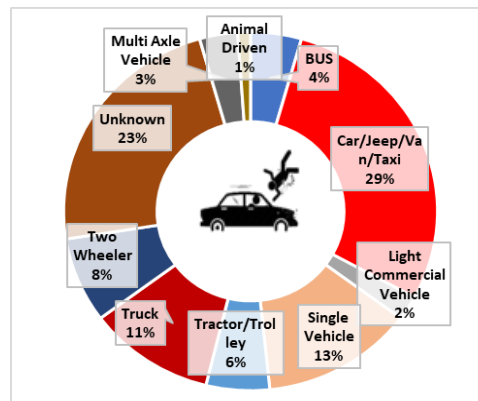
Month	Total Cases	Fatalities	Serious Injuries	Minor Injuries
January	16	10	6	0
February	9	7	3	0
March	8	7	7	0
April	10	6	5	2
May	13	11	10	2
June	9	8	5	3
July	11	9	4	1
August	6	3	4	2
September	12	9	3	0
October	13	6	6	1
November	14	8	8	1
December	8	7	4	0
Grand Total	129	91	65	12

Victim Vehicle Profile



Collision Type	Fatalities	Serious Injuries	Minor Injuries
Head On	15	9	2
Hit Cyclist	5	4	0
Hit Fixed Object	9	7	0
Hit from Back	26	19	8
Hit from Side	3	3	1
Hit Parked Vehicle	0	0	0
Hit Pedestrian	17	18	1
Others	3	2	0
Skidding	2	0	0
Unknown	10	3	0
Hit Animal	1	0	0
Grand Total	91	65	12

Impacting Vehicle Profile



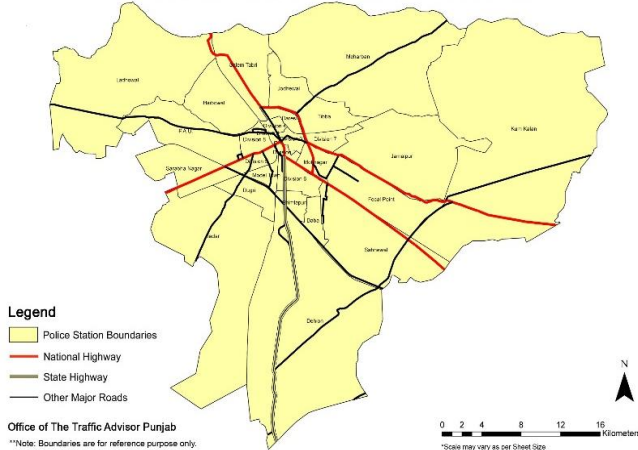
LUDHIANA POLICE COMMISSIONERATE - 2022

Number of Crashes: 458*
 Fatalities: 356
 Seriously Injured: 166
 Minor Injured: 56

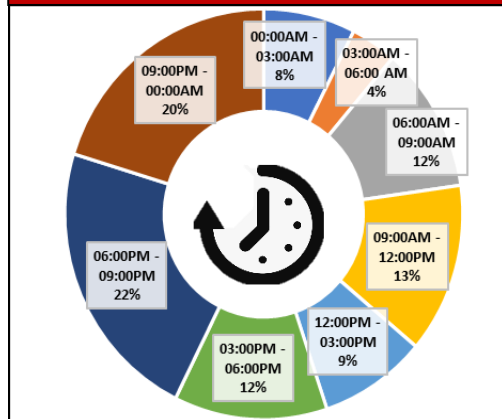
*Including CrPC Cases

- Overall, 6.3% of fall in Road Accident Fatalities observed, compared with 2021.
- Month of March and August were the most critical months.
- Most Fatalities have occurred between 09:00 PM to 12:00 AM.
- Trucks accounted for 17% in Total Fatalities as Impacting Vehicles.
- According to Victim Profile 51% were Two Wheelers and 31% were Pedestrians.

Police Station Boundaries in Ludhiana Police Commissionerate

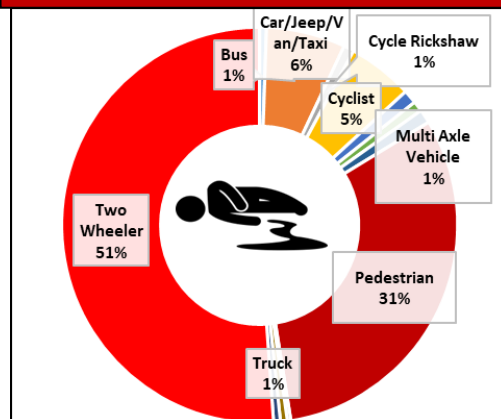


Time wise profile



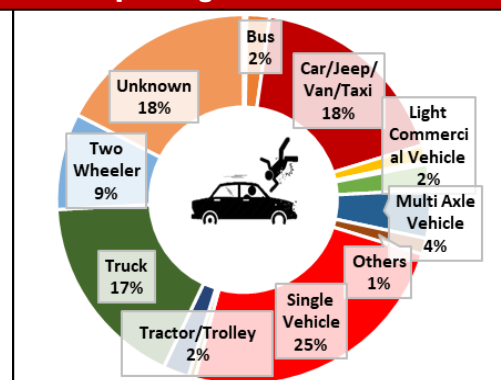
Month	Total Cases	Fatalities	Serious Injuries	Minor Injuries
January	39	28	14	10
February	38	26	19	6
March	53	36	22	2
April	34	24	10	9
May	24	16	13	2
June	35	33	10	1
July	38	24	17	2
August	52	42	14	4
September	32	30	16	4
October	34	31	3	5
November	33	28	14	5
December	46	38	14	6
Grand Total	458	356	166	56

Victim Vehicle Profile



Collision Type	Fatalities	Serious Injuries	Minor Injuries
Head On	27	36	8
Hit Cyclist	15	5	1
Hit Fixed Object	26	6	3
Hit from Back	57	56	21
Hit from Side	27	23	8
Hit Parked Vehicle	7	2	3
Hit Pedestrian	100	28	5
Others	64	7	5
Overturning & Skidding	33	3	2
Grand Total	356	166	56

Impacting Vehicle Profile



8. Road Safety Awareness, Capacity Building and Community Outreach




Punjab Road Safety and Traffic Research Centre – Conference Room Cum Library



FICCI Road Safety Award 2021 – Punjab Police, Traffic Wing



First Copyright Granted to Punjab Police (PRSTRC) for Developing Road Safety Assessment Methodology – PATHS (Punjab Assessment Tool for Highway Safety)

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10. बाद के प्रकाशनों के वर्ष और देश, यदि कोई हों, और प्रकाशकों के नाम, पता और राष्ट्रियता/ Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A.
11. कार्य में कौपीराइट सहित विभिन्न अधिकारों के अधिकारों के नाम, पता और राष्ट्रियता और अनुमति और लाइसेंस के विवरण के साथ प्रत्येक के अधिकार की सीमा, यदि कोई हों/ Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	PUNJAB ROAD SAFETY AND TRAFFIC RESEARCH CENTRE ROOM NO. 323, 2ND FLOOR, OFFICE OF THE TRAFFIC ADVISOR, PUNJAB POLICE COMPLEX, PHASE-VII, SAHIBZADA AJIT SINGH NAGAR, PUNJAB INDIA-160062 INDIAN
12. अन्य व्यक्तियों के नाम, पता और राष्ट्रियता, यदि कोई हों, जो कौपीराइट वाले अधिकारों को सौंपने या लाइसेंस देने के लिए अधिकृत हों/ Names, addresses and nationalities of other persons, if any, authorized to assign or licence of rights comprising the copyright	N.A.
13. यदि कार्य एक 'कलात्मक कार्य' है, तो कार्य करने वाले व्यक्ति का नाम, पता और राष्ट्रियता दर्शाते हुए कार्य का स्थान। (कलात्मक कार्य के मामले में, कार्य पूरा होने का वर्ष भी दिखाया जाना चाहिए।) If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown)	N.A.
14. यदि कार्य एक 'कलात्मक कार्य' है जो किसी भी सामग्री का लेखक के 1957 में उपरोक्त विचार प्रदान है या उपरोक्त कानून में स्थान है, तो आवेदन में कौपीराइट अधिनियम, 1957 की धारा 45 (क) के अन्तर्गत के प्रमाण के अभाव में प्रमाण पत्र प्रस्तुत करने चाहिए। If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	N.A.
15. यदि कार्य एक 'कलात्मक कार्य' है, तो क्या यह डिजाइन अधिनियम 2000 में अंतर्गत पंजीकृत है? यदि हाँ, तो विवरण दें। If the work is an 'Artistic work', whether it is registered under the Design Act 2000 if yes give details.	N.A.
16. यदि कार्य एक 'कलात्मक कार्य' है, तो डिजाइन अधिनियम 2000 में अंतर्गत पंजीकृत होने में क्या है, तो क्या यह औद्योगिक डिजाइन के अन्तर्गत पंजीकृत किया गया है और यदि हाँ, तो इसे डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत किया गया है? यदि हाँ, तो डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत होने में क्या है और यदि हाँ, तो इसे डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत किया गया है? If the work is an 'Artistic work', capable of being registered as a design under the Design Act 2000 whether it has been applied to an article through an industrial process and, if yes, the number of times it is reproduced.	N.A.
17. टिप्पणी, यदि कोई हो/Remarks, if any	

कार्य संख्या/Entry Number: 250872022-CO/L

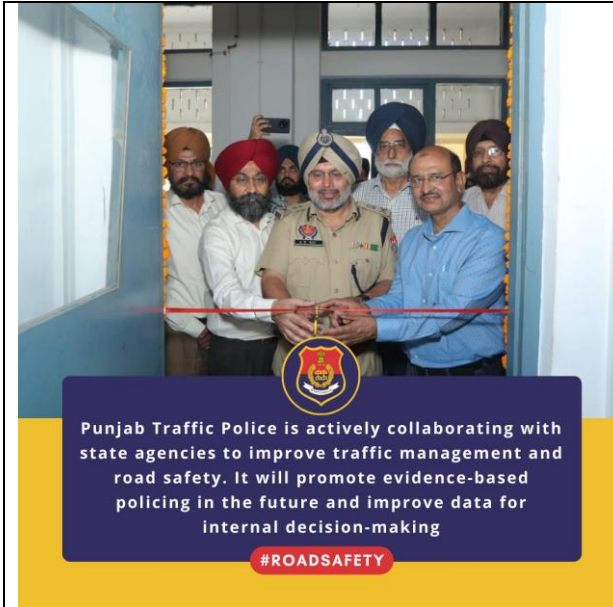
आवेदन की तिथि/Date of Application: 04/12/2022

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Registrar of Copyrights

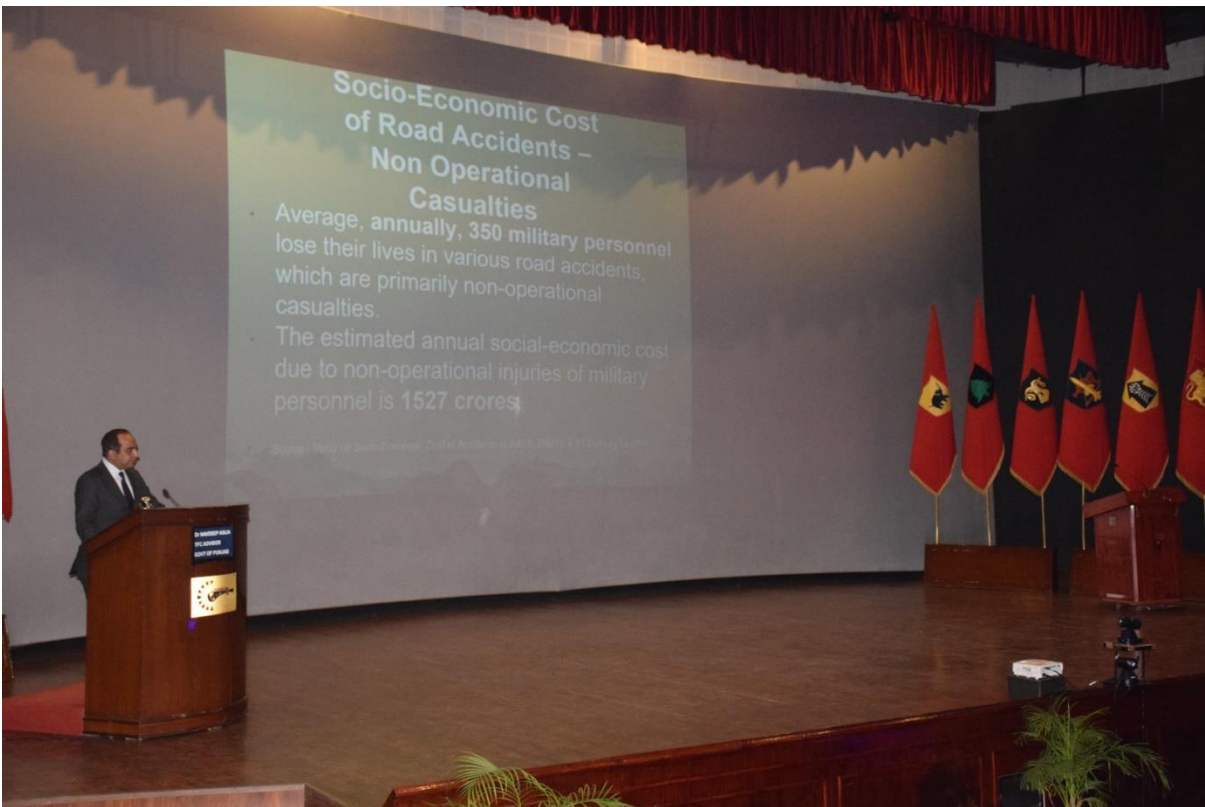
Inauguration of Centre of Excellence on Road Safety and Traffic Management at
Guru Nanak Dev Engineering College, Ludhiana



*In house innovation of smart barricade: Law Enforcement and Safety (LENS) by
Punjab Road Safety and Traffic Research Center*



Seminar on Non-Operational Casualties at Ambala Cantonment with Indian Army



Punjab Police Traffic Wing Forges Ground-breaking Collaborations for Enhanced Road Safety and Traffic Management

Map My India, SAFE Society, Punjab, Intozi Tech Private Limited, Gurugram and Muskaan Foundation, Jaipur – 5th October 2023



Road Safety Awareness and Community Outreach Program

Various Traffic Education and Road Safety Awareness and Camps are organized by The District Traffic Education Cells across the state throughout the year.





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