

ROAD CRASH FACTSHEET 2019: GOA¹

ANALYSIS OF DATA QUOTED BY MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

1. In 2019, there were 3,440 road crashes in Goa, which resulted in 297 deaths and left 1,448 persons injured. There has been a 7.3% decrease in road crashes in Goa from 2018, and a 6.5% decrease in persons injured. However, there has been a 13.4% increase in road crash fatalities.

Goa witnessed the highest number of road crashes per lakh population in 2019 (162.5 crashes/lakh population), for the 8th year in a row. There has, however, been a steady decrease in the number of road crashes per lakh population since 2015.

| Statistic | 2016 | 2017 | 2018 | 2019 |
|------------------------------------|-------|-------|-------|-------|
| Crashes | 4,304 | 3,917 | 3,709 | 3,440 |
| Injures | 2,026 | 1,922 | 1,549 | 1,448 |
| Fatalities | 336 | 328 | 262 | 297 |
| Total Road Crashes/Lakh Population | 217.7 | 193.6 | 179.4 | 162.5 |
| Total Fatalities/Lakh Population | 17 | 16.2 | 12.7 | 14 |

2. The types of road crashes in Goa in 2019 are as follows. There has been a 14.11% increase in fatal road crashes since 2018.

| Fatal Crashes | Grievous Injury Crashes | Minor Injury Crashes | Non-Injury Crashes | Total Crashes |
|---------------|-------------------------|----------------------|--------------------|---------------|
| 283 | 196 | 769 | 2,192 | 3,440 |

3. Severity of road crashes in Goa since 2016 is as follows. The crash severity in Goa is 8.6, which is lower than the national crash severity (33.7). However, there has been an increase in road crash severity since 2018 by 21.1%:

| | 2016 | 2017 | 2018 | 2019 |
|---------------------|------|------|------|------|
| Road Crash Severity | 7.8 | 8.4 | 7.1 | 8.6 |

¹(Source of Statistics) Ministry of Road Transport and Highways, Transport Research Wing, 'Road Accidents in India', 2019: https://morth.nic.in/sites/default/files/RA_PDF_for_Uploading_Compressed.pdf

²Road Crash Severity=Persons killed/100 crashes

4. Out of the total of 3,440 cases of road crashes in 2019, 1,667 occurred on National Highways and State Highways (48.46%) which resulted in 141 fatalities out of a total of 297 fatalities (47.47% of total fatalities) in Goa.

| | Crashes | Injured | Fatalities |
|-------------------|---------|---------|------------|
| National Highways | 1,244 | 374 | 107 |
| State Highways | 423 | 159 | 34 |
| Total | 3,440 | 1,448 | 297 |

5. Motorized two wheelers are the largest contributors to road crashes in Goa, contributing to 62.6% of Goa's road crash fatalities. Road crash cases and deaths in Goa based on vehicles primarily responsible:

| Mode of Transport | Road Crashes | Fatalities |
|--|--------------|------------|
| Motorized Two-Wheeler | 1,757 | 186 |
| Auto Rickshaw | 37 | 1 |
| Other Non- Motorised Vehicles (e-Rickshaws etc.) | 0 | 0 |
| Bus | 178 | 8 |
| Car/Jeep/Taxi/Van | 1063 | 16 |
| Bicycle | 14 | 2 |
| Truck/Lorry | 140 | 4 |
| Pedestrians | 199 | 50 |
| Others | 52 | 30 |

6. In 2019, the highest number of road crash deaths were of users of two wheelers and the second highest deaths were of pedestrians. The following table shows gender-wise categorization of road crash victims according to the type of road user:

| | Male | Female | Total |
|---------------------------|------|--------|-------|
| Pedestrians | 30 | 20 | 50 |
| Two-Wheelers | 197 | 16 | 213 |
| Bicycles | 2 | 0 | 2 |
| Auto Rickshaws | 1 | 0 | 1 |
| Cars, Taxis, Vans and LMV | 16 | 5 | 21 |
| Trucks/Lorries | 1 | 0 | 1 |
| Buses | 3 | 3 | 6 |
| Other non Motor Vehicles | 0 | 0 | 0 |
| Other Persons | 2 | 1 | 3 |
| Total | 252 | 45 | 297 |

7. Maximum number of road crash victims in Goa belonged to the age group 25-35 (24.9% of total). Road crash victims killed in Goa in 2019 according to their age and sex are as follows:

| | Male | Female |
|---------------|------|--------|
| Less than 18 | 5 | 3 |
| 18-25 | 57 | 6 |
| 25-35 | 69 | 5 |
| 35-45 | 41 | 7 |
| 45-60 | 52 | 9 |
| 60 and Above | 28 | 15 |
| Age Not Known | 0 | 0 |
| Total | 252 | 45 |

8. Distribution of road crashes in Goa based on responsibility of the driver is listed in the following table. Over speeding is the biggest contributor to road crashes in Goa, responsible for 78.45% of all fatalities.

| Cause of Road Crash | Crashes | Injuries | Fatalities |
|-----------------------------------|---------|----------|------------|
| Over speeding | 2,979 | 1,228 | 233 |
| Intake of Alcohol/Drug | 6 | 0 | 1 |
| Driving on the wrong side | 100 | 122 | 19 |
| Using mobile phones while driving | 0 | 0 | 0 |
| Jumping red light | 0 | 0 | 0 |
| Others | 355 | 98 | 44 |

9. Fatalities due to non-wearing of safety devices in Goa: The non usage of safety devices, i.e, helmets and seatbelts contributed to 57.58% of the total road crash fatalities.

| | Drivers | Passengers | Total |
|--------------------------|---------|------------|-------|
| Non-wearing of Helmet | 117 | 30 | 147 |
| Non-wearing of Seat-belt | 5 | 19 | 24 |

10. Most road crash fatalities in Goa took place in open areas. Road crash cases, persons injured and deaths in Goa by road environment/neighbourhood type:

| Location of Road Crash | Crashes | Injured | Fatalities |
|------------------------|---------|---------|------------|
| Open Area | 1,344 | 627 | 139 |
| Market/Commercial Area | 786 | 206 | 34 |
| Residential Area | 1,104 | 558 | 115 |
| Institutional Area | 206 | 57 | 9 |

11. Over 78% of the road crash fatalities in Goa took place in rural areas. The urban rural split of road crashes, injuries, and fatalities is given below:

| | Crashes | Injured | Fatalities |
|-------|---------|---------|------------|
| Urban | 931 | 369 | 63 |
| Rural | 2,509 | 1,079 | 234 |

12. Maximum number of road crash fatalities in Goa took place due to head on collisions (25.6% of total deaths). Road crashes according to type of collision is as follows:

| | Crashes | Fatalities |
|-------------------|---------|------------|
| Head on collision | 910 | 76 |
| Hit and Run | 25 | 1 |
| Hit from back | 866 | 71 |
| Hit from side | 948 | 75 |
| Run off road | 189 | 32 |