

Car-to-motorcyclist (MC) crashes **SAFE-UP**

What are the most common scenarios involving small motorcycles and mopeds?



94% of injury-producing crashes happen in **urban areas**



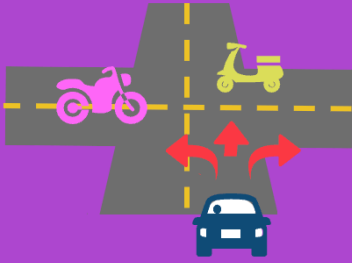
64% of serious & fatal crashes happen at **intersections**

Data source: GIDAS (2000+)

Car & MC on crossing roadways

Car & MC on the same roadway Car driver turns into crossing road

Car & MC on the same roadway Parallel paths



37%

of all crashes



- MC comes from Left
- MC comes from Right
- All other scenarios

19%

of all crashes



- Car turns Left
- Car turns Right
- All other scenarios

33%

of all crashes



- MC ahead
- MC oncoming
- MC beside
- MC behind
- All other scenarios

46%

of all serious & fatal crashes



- MC comes from Left
- MC comes from Right
- All other scenarios

18%

of all serious & fatal crashes



- Car turns Left
- Car turns Right
- All other scenarios

29%

of all serious & fatal crashes



- MC ahead
- MC oncoming
- MC beside
- MC behind
- All other scenarios

Methods note: The in-depth analysis of safety-critical scenarios was performed on data from the German In-Depth Accident Study (GIDAS) database to achieve the required level of detail. The overall statistics from this database closely parallel the European averages. Data cases selected for analysis were from the year 2000 and later. Please see the SAFE-UP website for further details: safe-up.eu. **SMALL MOTORCYCLES & MOPEDS** = engine size 50 cc or less.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement 861570.