

# Distribution of Leg Injury Occurrence in Pedestrian Accidents in Japan

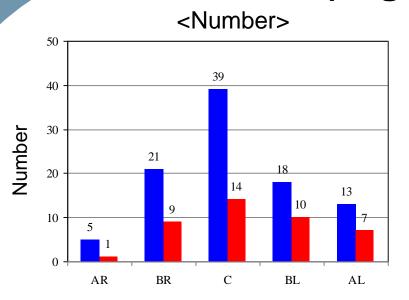
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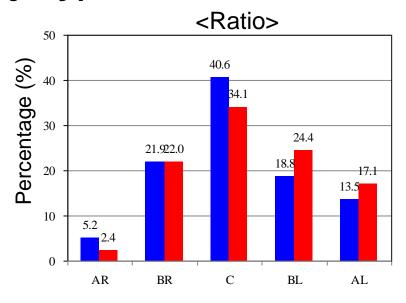


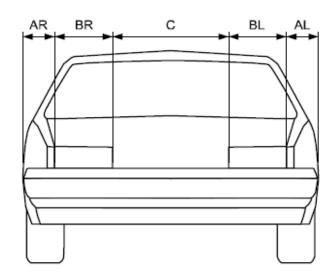
#### **Conditions**

- Accidents involving four—wheeled vehicles and pedestrians
- Period: 1993 2003 (11 years)
- Cases: 96 (including AIS 2 and over: 41)
- Vehicle: bonnet-type
- Casualties: children over 16 in age and 150cm in height
- Excluding cases where pedestrian is run over by wheel
- Excluding cases of collision on vehicle lateral side

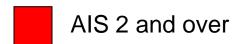
## Distribution of Accidents (Leg Injury)











#### **Note**

Installation position of vehicle light (AR, etc.) vary depending on the vehicle in which the accident occurred.

- Each location of accident is determined from photographs. Precise location is unknown.
- The general framework is summarized in this presentation.

### Conclusion

Leg injuries can be considered to occur in parts other than the central part of the bumper

However, relationship with area outside the current bumper test area is unknown.

#### References

Institute for Traffic Accident Research and Data Analysis

Analysis Report on Vehicle Safety Measures Review through Accident Reproduction Experiment 2004