

Prevalence of road traffic accidents among children 0-16 years old: a retrospective study in Yerevan

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Every year, approximately 1.35 million people die in RTAs. RTIs are the leading cause of death for children and young adults aged 5-29 years. More than 90% of road traffic deaths occur in low- and middle-income countries.



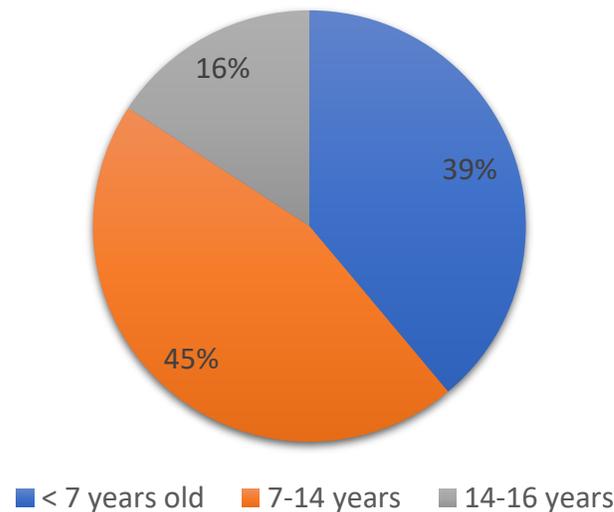
In 2017-2018 7646 RTA were registered in Armenia, resulting 622 deaths and 11.129 injuries. 3376 (44.2%) of RTAs took place in Yerevan, killing 155 people and 4499 were injured.

The aim of this study is to analyze some epidemiological aspects of road traffic accidents among children in capital city of Armenia Yerevan.

Retrospective study of RTIs involving children aged 0-16 years.

Results

Age distribution of injured children



The number of accidents involving children under 16 years old in Yerevan was **346**, from which **393** were injured.

3 children were killed (1 child up to 7 years old, 1 child from 7 to 14 years old).

Days of Week

Weekdays	241 cases
Weekends	75 cases

Hours

00:00 to 06:00	17 cases
06:00 to 09:00	26 cases
09:00 to 12:00	34 cases
12:00 to 15:00	75 cases
15:00 to 18:00	78 cases
18:00 to 21:00	74 cases
21:00 to 24:00	42 cases

Discussion/Conclusion

From 3376 total RTAs in 2017-2018 in Yerevan 346 (10, 24%) were involving children.

There are no significant differences in age of injured: 44,5% were in age group 0-7 and 45.29%, 7 - 14 years old.

Majority of cases (63.4%) occurred during daytime (9 am to 6 pm).

Contributing factors

- Less knowledge and negligence in following road traffic rules
- Carrying children in front part of vehicles
- No law on car seats use

To keep children safe on the road drivers should control speed; as pedestrian children should know road traffic rules.