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**Title:** Prevalence of accident and related deaths among children aged 1-5 years in Ardebil province in Ardabil

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**Abstract:**
Introduction: Accident is unexpected incident that adversely affects human health and economy of the society. The causes for accident are human errors and lack of the safety. The prevalent types of accidents that lead to death among children includes traffic related accidents, falls, suffocations, drawings, and intoxications. 40% of deaths occurred among children is currently due to accident in Ardabil province.

Methods: Data were collected from 404 children admitted to hospitals due to accidents using a questionnaire. Data analysis was performed using SPSS software.

Results:
- Males accounted for 60% of all accidents. 63, 35.1 and 1.5% of accidents occurred inside cities, villages and outside these areas, respectively.
- Burns were identified to be the most prevalent one, accounting for 36% of the accidents.
- While traffic related accidents, trauma and falls were higher in urban areas, animal attacks; scorpion and snake bites were prevalent in rural areas. The rate of burns and intoxication were relatively similar for both rural and urban areas.
- Out of the 28 deaths recorded, 42.9, 21.4, 7.1, 17.9 and 10.7% were caused by traffic, suffocation, fall, burn and drawing, respectively.
- Out of 12 deaths related to the traffic accidents, 58.3, 25 and 16.7% were caused by road vehicles, tractors and motorcycles, respectively.

Discussions and conclusions:
- Considering the active nature of boys coupled with the high prevalence of accidents among males, education is essential to increase awareness of parents.
- Due to availability of health services and being literate, high incidence of accident in urban areas is unexpected. Hence, inter and intra organizational measures should be considered in order to implement safety regulation to provide safe environments in these areas.
- High prevalence of burns at home requires improving mothers' awareness.
- 12.6% of accidents were related to road vehicles; as 23.5% of the cases have resulted in death. This fact highlights the importance of traffic safety.

**Presentation:** Poster