

# PREVALENCE AND TYPES OF INJURIES AMONG PATIENTS ADMITTED TO THE ACCIDENT AND ORTHOPEDIC SERVICE (AOS), NATIONAL HOSPITAL SRI LANKA (NHSL)

SSP Warnakulasuriya<sup>1#</sup> and GHPDS Wijerathne<sup>2</sup>

<sup>1</sup>Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka

<sup>2</sup>National Hospital, Sri Lanka

#ashara96@sjp.ac.lk

Traumatic injuries have become a major cause for morbidity and mortality and there is an upward trend of road traffic accidents in Sri Lanka during the past decade. Majority of patient with traumatic injuries in Colombo district are admitted to the Accident and Orthopedic service at national hospital Sri Lanka. The objective of the study was to describe the prevalence and types of injuries among patients admitted to the Accident Orthopedic Service (AOS). Patients related data of 4667 were collected from the National Injury Surveillance Unit (ISU) using a free designed data extraction sheet to ascertain personal information of the patients, causes, types and body parts of the injuries including dates and time that accident happened. Descriptive statistics were used to analyze data. Majority (71.7%) of patients was male and means age was 40.6 years. High percentage (60.6%) of patients had experienced unintentional injuries related to accident at home, work place and during the sports. Patients have been injured mainly due to Road Traffic Accidents 25% (RTAs) and violence 13.2% rest were unintentional injuries (60.1). Dominating unintentional injuries were due to fallen on level floors (49.6%). Vehicles involved in RTA include motorcycles (42%), three-wheelers (20%) and cars & vans (7.54%). Common types of injuries during the past two months were head injuries (37%), hand injuries (22.9%), injuries to legs (23.6%) and trunk (9.3%). The rest were multiple injuries to different body parts (7.3%). Majority of injury victims were male. Major causes of injuries were unintentional accidental injuries at home, work place or sports grounds and RTA. The common types of injuries were head injury followed by wrist and hand. Common vehicles involved in injuries were motorcycle and three-wheelers. Measures should be taken to prevent RTAs and unintentional injuries at homes work places and sports grounds.

**Keywords:** Traumatic injuries, Traffic accidents, Orthopedic