

ABSTRACT

This is a hospital based cross-sectional study which was conducted in 2010 to determine the epidemiological distribution of Road Traffic Accident and other injuries among patients attending to Yangon General Hospital, North Okkalapa General Hospital, Nay Pyi Taw General Hospital, Magwe General Hospital and Mandalay General Hospital. Each hospital is a large general hospital with huge number of injury cases, and these are the centers of referral from surrounding areas in its district and vicinity. The data were collected from records of injured patients of those hospitals during 2009 July to 2010 June.

A total of 27847 injured patients, out of which 8420 patients were suffered from Road Traffic Accident and 19427 were suffered from other injuries. The difference between male and female incidence of Road Traffic Accidents and other injuries were found. Male victims who live in towns can be occurred frequently than female victims. Among RTA patients, motorcycle riders (30.4%) were the most common road user injured in the years of 15-24 years age group (24%) followed by 25-34 (22.7%). Among other cases, assault and falls cases were common. Assaults were most common in young adult males with blunt weapon and falls were most common in children and elderly. Majorities are unintentional cases and occurred in 12:01-18:00 and 18:01-24:00. No association of alcohol consumption and injury cases was found because of no testing of alcohol level. There was relationship between first aid before hospital and condition of the patients. Patients who were received first aid could be alive and had lower incidence of admission to hospital. CFR was high in older age group who lived in village. Mandalay General Hospital had highest CFR during 00:01-06:00 injury time by the cause of drowning.