

**HOSPITAL AND PATIENT BURDEN
OF ROAD TRAFFIC ACCIDENT DURING 2022
IN YANGON GENERAL HOSPITAL**

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ABSTRACT

Road traffic accident became a burden to the hospitals and patients among the countries. A cross-sectional descriptive study on hospital and patient burden of RTA patients was conducted at YGH by retrospective reviewing of electronic medical records from January to December of 2022 and manually reviewing of medical records from last quarter of 2022. Hospital burden was measured by hospital statistics and patient burden was measured by health care services given by hospital and outcomes of RTA patients. The results showed 40% were inpatients. Hospital burden of RTA patients were higher in orthopaedic unit than neurosurgical unit. In April, number of outpatients was maximum and number of inpatients was maximum in December during 2022. Male and female ratio of RTA incidence was 3:1. Majority of RTA (82%) was working age group. Nearly half of victims were manual workers. More than half of victims (60%) were referred from non-Yangon regions which may lead to further burden in YGH. In excess of half (55%) were head and neck injury in this study. Majority of the RTA patients (60%) had been managed with conservative treatment, 40% had undergone operation. More than half (54%) of operations were emergency. Concerning main risk factors of RTA, alcohol consumption in RTA patients was 11% and 5.4% of alcohol status was not documented. Satisfactory outcomes of victims were 85%. Although satisfactory outcomes were high, 9% of RTA patients died and 0.5% got permanent disability. Seven percent of RTA patient were absconded and 88% of total expired cases had head injuries especially due to motorcycle accident. One-fifth of RTA patients had been transfused blood which was 3% of total usage of YGH. Most of sufferers were done infection screening, G&M, X-rays and CT. Resources allocation should be prepared and provided for RTA patients to reduce hospital and patient burden.