

**ASSESSMENT OF INPATIENT BURDEN OF
ROAD TRAFFIC ACCIDENTS
IN YANGON GENERAL HOSPITAL**

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ABSTRACT

A hospital based cross-sectional descriptive study was conducted in YGH (YGH) with the aim of assessment of inpatient burden of Road Traffic Accidents among one hundred RTA patients who admitted to YGH and discharged from hospital during June, 2017. For hospital statistics records of RTA patients who received treatment as inpatient at YGH between July, 2016 and June, 2017 were analyzed.

Data collection was done by reviewing the hospital records of emergency resuscitation center and medical record department of YGH. The results showed bed occupancy rate of RTA patients during the period between July, 2016 and June, 2017 were 13.62 % in neurosurgical unit, 2.64% in orthopedic unit and 1.34% of total available beds 2,005. During the study period ,RTA patients were 45.23% of total admitted trauma patients of YGH. Average duration of hospital stay was 5.7 days, 76% were discharged from hospital within one week and maximum number of RTA patients were seen in March. Majority of victims 78% were male and 83% were from economically active age group. Over three fourth (78%) were motorcycle drivers and 15% were motor vehicle drivers. More than half (60%) were injured to head and neck and 11% were injured to lower extremities. Majority of patients (86%) were managed with conservative treatment (including oral and injection drugs) and 38% were managed with dressing, 23% had undergone operation, and 15% of the patients needed suturing.

Unit cost for treatment by hospital for each RTA patient was 13,277 Kyats (9.8USD), for laboratory was 31,444 Kyats (23.1USD), for imaging was 371,250 Kyats (199.3USD), for operation was 74,487 Kyats (54.7USD), for POP was 11,300 Kyats (8.3USD), for blood transfusion 59,785 Kyats (43.9USD), for suturing and dressing were 20,000 Kyats (14.7USD) and 2,500 Kyats (1.8USD). Unit cost for total clinical management (including cost of treatment ,cost of laboratory and cost of imaging) for each RTA patient on June, 2017 was 82,811 Kyats (60.8USD), ranging from minimum 7,050 Kyats (5.2 USD) to maximum 341,000 Kyats (250.6 USD) incurred by hospital.