

**ASSESSMENT OF HOSPITAL BURDEN OF ROAD TRAFFIC ACCIDENTS
IN MEIKTILA GENERAL HOSPITAL**

HLA HTAY MIN

M.B.,B.S

Med.Sc (HA&HM)

University of Public Health Yangon

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ABSTRACT

A hospital based cross-sectional descriptive study was conducted in Meiktila General Hospital (MGH) with the aim of assessment of hospital burden of Road Traffic Accidents among 123 RTA patients admitted to MGH and discharged from hospital during October, 2016. Samples were recruited consecutively and data collection was done by reviewing the hospital records, face to face interviews with the patient or patient's attendants by using pre-tested semi-structured questionnaires. The results showed bed occupancy rates of RTA patients during last year were (11.7%) in Surgical Unit, (18.75%) in Orthopedic Unit and (3.7%) of the total available beds (340). During study period, RTA patients were (6.6%) of total hospital admission.

Among the total RTA patients, most of victims were male (72.3%) and youth (43.1%). More than half (56.9%) of victims were lived in rural area. Over one fourth (27.6%) were students and (19.5%) were farmers. About one fourth of cases were referred from other hospitals and (18.7%) were happened in Saturday. Over half of the respondents (51.2%) were injured on old highway roads, (13.8%) were injured on

Expressway. Over three fourth (76.4%) were motorcycle users and (16.2%) were motorcar users. Sixty one percent were injured to head and neck and (40.7%) were injured to lower extremities. Over half (54.4%) of patients were managed with dressing and suturing, (14.6%) were undergone operation, (36.6%) were discharged from the hospital with improved stage, (26.8%) were referred to higher level and (3.3%) were died during hospitalization. Average duration of hospital stay was 4.52 days and (60.2%) were discharged from hospital within one week. Total cost of treatment incurred by hospital for RTA was 6,64,08,93 Kyats and it contributed (19.9%) of average one month budget of the hospital. Average cost of treatment for each RTA patient was 5,39,91.01 Kyats (41.53 US\$) (Median=2,41,95.00 Kyats \approx 18.6 US\$, IQR=2,56,21.00 Kyats \approx 19.7 US\$). In this study, RTAs contributed increase workload of hospital and used one fifth of average one month hospital budget. In order to reduce these problems, it is necessary to disseminate of knowledge about road safety to the community, schools and universities with the coordination and collaboration of others ministries such as Ministry of Education, Ministry of Transport and communication and Ministry of Home Affairs.