

**HOSPITAL SOLID WASTE MANAGEMENT AT  
NEW YANGON GENERAL HOSPITAL (2019)**

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**M.B., B.S**

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**for the Degree of Master of Hospital Administration (MHA)**

**University of Public Health, Yangon**

**2019**

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NEW YANGON GENERAL HOSPITAL, YANGON,  
2019**

**Thesis submitted to  
the Postgraduate Academic Board of Studies  
University of Public Health, Yangon  
as the partial fulfillment of the requirements  
for the Degree of Master of Hospital Administration (MHA)**

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## **ABSTRACT**

A cross sectional descriptive study was conducted with the objective of assessing the current situation of hospital waste management (HWM) in 24 departments of the New Yangon General Hospital, from September to December, 2019. There were 24 providers participating in quantitative study including ward sisters and admin officers. Assessment of current situation of HWM in all departments was done with observational check lists. Key informant interviews were also carried out with ten participants who are responsible for HWM. In quantitative study, half of respondents had not received training on the HWM. Among 24 departments, types of hospital waste generated were general waste (100%), sharps waste (42%), infectious waste (50%), chemical & pharmaceutical waste (38%), and other hazardous waste (8%) and radioactive waste was not produced. For color coding system assessment, all of general waste was collected according to guideline. For the type of containers, general waste was collected with plastic bin and plastic bags (96%). Sharps waste was collected with used safety boxes mostly (45.8%) and water bottle (8.3 %). Hospital waste was transported with plastic bin with wheel (41.7%) and trolley (33.3%) in the hospital. Transportation for waste outside the hospital was municipal only. Final disposal method was only municipal (100%). Regarding the health education about HWM, (50 %) of the respondents received training. Supervision for HWM was fair and got supervision from administrators weekly. Regarding the quantification of waste, selected units under study produced a total of 307.71 kg/day of general waste and 29.14kg/day of hazardous waste i.e., general waste was 95 % and 5% was hazardous waste. The average waste generation of the study hospital was 1.69 kg/bed/day. Based on the findings, there should be proper and intensive training programs regarding the HWM process. Ministry of Health and Sport should support financial, advanced technical adequately. Ministry of Health and Sport should effectively implement hospital waste management guideline to all hospitals and strengthen the principle of patients and patients' attendants.