

Abstract

Background:

Before deteriorating in clinical condition, patients often show early warning signs. RSUD Wates has implemented early warning sign monitoring. During the implementation of the Early Warning Score (EWS) at RSUD Wates Hospital, there has never been an evaluation of its implementation. This study aimed to determine the suitability of the EWS assessment with the EWS response.

Methods:

This research was an analytic descriptive study with a cross-sectional approach, conducted in the medical records section of Wates Hospital with a population of adult patient medical records from May 1, 2019 to April 30, 2020. Samples were taken using purposive technique from 8 adult inpatient rooms to meet the total sample count of 211 medical records. The data were collected using the observation sheet made by the researchers. Researchers also conducted interviews with senior nurses using interview guidelines to obtain supporting data from observations from medical records. Univariate data analysis was done on the EWS assessment variables and EWS responses with frequency and percentage distribution. Bivariate analysis used the chi-squared test with a statistical significance level of α (0.05). Interview data were analyzed quantitatively in the form of percentages.

Results:

From 221 patient medical records, 2,129 observations were obtained. This study shows most of the EWS assessments were done accordingly in 1,868 (87.7%) and most of the responses were in accordance with the provisions of 1,499 observations (70.4%). There was a significant relationship between the assessment and the EWS response ($p = 0.001$; $p < 0.05$). A prevalence value of 4.52 means that an unsuitable EWS assessment has 4.52 times higher risk of experiencing an unsuitable EWS response.

Conclusion:

The EWS assessment is related to the EWS response. In addition to improving the EWS assessment, it is necessary to pay attention to the completeness of the implementation of the EWS response at Wates Hospital such as the establishment of the emergency medical team (EMT) and the existence of response guidelines in the event of a patient's deteriorating condition.

Keywords: *early warning signs, Early Warning Sign Assessment, Early Warning Sign Response*