

Risk Assessment Decision Matrix for Emergency Room's Employee in a Turkey Case

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Abstract

The common definition used in the literature for the term "risk" is the probability of occurrence of an unwanted event/incident within a certain period of time. A comprehensive risk analysis is necessary for the identification of these unwanted events/occurrences, calculation of the severity degree of the concerned risk and determination of whether the risk is tolerable or not. While risk analysis is a must for all organizations, irrespective of the scale of organizations, the type of the enterprise is the determinant of the type of the risk analysis to be performed and accordingly the methodology to be used and development of the solutions for risks. In the case of healthcare organizations, risk analysis practices require special diligence, as it is very important for the health and safety of both patients and employees. For this reason, selection of the right methodology to be applied, correct identification of foreseen risks and correct categorization of these risks on the basis of their criticality degree are of paramount importance for hospital management. Under the scope of the present study, a risk assessment is conducted on the Emergency Room's (ER's) employee in a University Hospital of a University Hospital, in the guidance of Risk Assessment Matrix (L-Type Matrix) approach in the study seeking to serve to the above-mentioned purposes.

Keywords

Risk analysis, Healthcare Systems, Risk Assessment Decision Matrix, Emergency Room (ER).

Biography

A. Nilgun Kayadelen is a PhD candidate in Industrial Engineering at Cukurova University, Adana and Master of Science in Industrial Engineering in the Department of Industrial Engineering at Cukurova University, Adana, Turkey. She earned B.S. in Industrial Engineering from Cukurova University, Turkey. Her research interests include statistical quality control, big data analysis, data mining, mixture distributions, quality management systems, and simulation.

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