

**classification and application of predictive scoring system in ICUs: review article**

Mohammad Hosseini\* , Jamileh Ramazani

**Introduction:** It passed over the 35 years of the introduction and development of predictive scoring systems in intensive care units. These models measure the severity of the disease, the outcome is mainly the mortality. Allowing for standardization the researches, comparing the quality of patient care and helping to manage resources in specific sectors are the benefits of these tools. Because of the extension of these models and very little research in our country, the study performed .

**Materials and Methods:** In this study, many articles from scientific databases Pubmed, Scopus, Cochran and Google Scholar, with key words such as "scoring systems", "predicting or prognosticating", "Intensive care" and "outcome" were evaluated.

**Results:** Based on scientific resources and the number of publications per scoring system, 50 most common models and sub-models in two groups of children and adults in general, specific, trauma and medical interventions were classified.

**Conclusion:** Introduction to classifying the severity scoring systems could be an effective step would to promote clinical research. Knowing the advantages and limitations of each model and using the models with expert clinical judgment, will promote the quality of care and treatment.

**Keywords:** scoring systems, intensive care unit, disease severity, predicting, outcome

