

THE SYSTEM DYNAMICS AS A TOOL FOR MODELING HEALTHCARE SYSTEM

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Abstract

Today, many people are interested in a system dynamics simulation, a methodology for solving complex and dynamic problems. The main purpose of this paper is to explain system dynamics as a modeling approach to model healthcare systems to gain an understanding of the system's behavior. This increased understanding can be used to manage the system and in turn will translate to improve the health outcomes. The article presents a brief description of the system dynamics, the step of developing the model, and issues of modeling the healthcare system using a system dynamics approach. At the end, the paper presents the example of case using system dynamics modeling.

Keyword: System Dynamics, Simulation, Healthcare

