

## عنوان مقاله:

The Model of Chronic Cardiovascular Diseases Growth and Effective Control Costs Management: A qualitative System Dynamics Approach

## محل انتشار:

سیزدهمین کنفرانس بین المللی مهندسی صنایع (سال: 1395)

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## خلاصه مقاله:

Chronic diseases are the main cause of global mortality in recent decades and due to the lack of absolute treatment and need to permanent control, Imposes high costs to the health system of the country. One of the most important chronic diseases is cardiovascular diseases which are the first cause of death in Iran, according to the World Health Organization's report. Analyzing the process of catching these diseases and its feedback consequence on the health economy, are the main problem of this study. Therefore, in this research, in addition to the representation of cardiovascular chronic diseases generator and growth system structure, based limit to growth archetype in system thinking theory, Balancing and adjusting solution and strategies for insurance cost effective management will present. The results show that obesity, lack of physical activity and unsuitable nutrition style are the most important reinforcing loop in the system and they impose high costs to the health economy system. Also, by replacing part of the insurance covering cost with development costs of preventive factors such as physical activity infrastructures development, insurance costs effective management can be achieved.

## کلمات کلیدی:

System Dynamics, System Approach, Chronic Diseases, Cardiovascular Diseases, Limit to Growth

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/648644>

