

## عنوان مقاله:

PROVIDING A MODEL FOR REDUCING DRUG SUPPLY CHAIN COST WITH USING DESIGN OF EXPERIMENTS;  
CASE STUDY: IMAM ALI (AS) CARDIOVASCULAR HOSPITAL OF KERMANSHAH CITY

## محل انتشار:

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## خلاصه مقاله:

Abstract: The objective of this study was to optimize the costs of health logistics in the studied system and to cope with the planned budget cuts for health and treatment for the studied system. The question was that; what was the most influential factor in increasing costs, which reduced the planned healthcare budget concerning the studied system? At first a number of variables were defined. Using one-way analysis of variance, we examined the costs in the ۱۲ months of ۲۰۱۶, whether the total costs in the ۱۲ months of ۲۰۱۶ were equal or not. Then, using the Fisher test investigated among the ۱۲ months, which month (s) were the most expenditure; after that, it is important to determine what has caused this high costs. Finally, we presented a model for optimizing and reducing costs. For these cases, the design of experiments and the full factorial design were used. The results of one-way ANOVA showed that the total amount of costs in the ۱۲ months of ۲۰۱۶ were not equal. Fisher test showed that the second and fifth months had the highest cost; also, design of experiments with full factorial method showed that the cost-increasing factors were orders, stockroom and demand, respectively.

## کلمات کلیدی:

One-way Analysis of Variance (One Way ANOVA), Fisher Test, Design Of Experiments(DOE), Full factorial, Drug Supply Chain

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1634364>

