



KERMAN UNIVERSITY

OF MEDICAL SCIENCES

Faculty of Management and Medical Information

In Partial Fulfillment of the Requirements for the Degree (MSc)

Title

**Analysis of Economic impacts of e-prescribing plan in Iranian Health
Insurance Organization (case of Kerman province)**

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Abstract:

Introduction And Objectives:

Managing health costs is one of the main concerns of the government in the countries. One of the topics required in the correct and scientific management of health system costs is the implementation and development of electronic systems.

In this regard, Iran's health insurance organization, as one of the custodians of people's health in order to electronicize their copies and processes, in a four-year program and from the year 2017, moved to remove the health insurance books in full electronic form.

Due to the importance of the subject, the purpose of this study is to determine the economic effects of implementing an electronic prescribing plan for the health insurance organization in the community

Methods:

The present research is a study with a mix_method and a sequential exploratory type that is cross-sectional in the second six months of the years 2017 and 2021 at the level of the Kerman Province Health Insurance Administration, public and private institutions providing medical services and insured persons in three The main phase will be done.

In the first phase of the study, firstly, the topics of economic effects are proposed in each of the three groups above in focused group sessions of 4-6 people with key informants and experts. a perfect goal. In the third phase, all the information collected regarding the economic effects of the implementation of the project in three groups, health insurance organizations, public and private institutions providing medical services and insured persons in two sections, the second six months of the year 2017 and the second six months of the year 2021, will be analyzed A decision will be made.

Results:

The main concepts obtained from the focus group discussion phase were divided into 3 themes and 6 categories and formed the initial framework of the model for determining the economic effects of the electronic prescribing plan, which consists of: economic effects of the plan in three areas of medical institutions, the domain of the insured and the general administration State health insurance. A dominant theme in the group discussions focused on the current and capital costs of medical institutions, the direct and indirect costs of the insured and the current and capital costs of the General Administration. The evaluation tool was also a questionnaire that had 3 dimensions, 6 axes and 30 statements, and the average Cronbach's alpha coefficient for its axis was 0.9. The economic effects of the electronic prescribing project in the target community in Kerman province were assessed with an evaluation tool.

After conducting statistical tests in the two areas of insured persons and medical institutions, the significance of the economic effects of the implementation of the electronic prescription plan was confirmed for most of the costs, and also a statistical comparison of the economic effects of the plan on the costs of the General Health Insurance Administration shows. The capital and current costs of the general administration in the field of information technology have decreased, and personnel costs and costs associated with medical institutions have decreased.

In total, all the costs of electronic prescriptions compared to paper prescriptions in the General Health Insurance Administration of Kerman Province show a decreasing trend.

conclusion:

The implementation of the electronic prescription project on the direct and indirect costs of the insured and the current and capital costs of the contracted medical institutions and the Kerman province health insurance department, which was designed and measured by a researcher's tool, has an impact.

Keywords: economic effects, electronic prescribing, Iran's health insurance organization