

Introduction

Today's productivity is essential for every country and organization. Health centers as one of the main health care providing organizations, have a special importance in the economics of health care. One of the health center departments which plays a key role in this part is the revenue imaging department. Since general health centers face difficulties regarding profitability, the present study aimed to measure and compare the productivity of health centers of Kerman city using Data Envelopment Analysis and DEAP software. And use of semi-structured interviews and 12 interviews to collect data.

Methods

This study According to the results obtained in 2015 and 2016 was an explanatory blend type which In the years 2015 and 2016, it was conducted on 12 Kerman imaging centers. The statistical population included patients referring to the imaging departments of Kerman health centers in 2015 and 2016, which was studied in a numerical way. In the small phase, a researcher-made checklist was used. And in a qualitative phase using a semi-structured interview with the imprisonment authorities. Factors affecting productivity improvement, barriers to productivity improvement and ways to improve the productivity of manpower were identified.

In the present study, the data collection was done on the field and using the case of patients referred to the imaging department. In the field by referring to the imaging departments studied and using forms that contained the information needed for this research. This information includes the variable number of graphs taken by the imaging department as the output variable of the imaging unit and variable number of personnel and number of imaging device as the input variable, the studied department of imaging considered.

Data analysis was carried out with DEA approach using deap.

Result:

In this research Shahid Bahrani hospital is the most efficient and Arjomand hospital had the lowest human resource productivity among the centers imaging.

Discussion & Conclusion

Considering the major economic inefficiency of most studied departments, It seems that health system has not been able to use its resources properly. Taking measures such as establishing imaging department, according to need, rational allocation of resources and equipment and integrating some of inefficient departments (if possible) could be helpful in making the situation better.

Key words

Productivity, Imaging center, DEA



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By:

Mohammad Ali Baniasadi

Supervisor:

Dr. Hohsen Saberlie

Advisers:

Dr. Mohammad Reza Amir esmaeili

Dr. Reza Godarzi

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