

Assessment of Efficiency of Health Institutions in Turkey, Under Health Transformation Program / Sağlıkta Dönüşüm Programı Altında, Türkiye'deki Sağlık Kurumlarının Etkinliğinin Değerlendirilmesi

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ABSTRACT

Under Health Transformation Program (HTP), many important reforms have been carried out in health sector of Turkey since 2003. The purpose of the present study is to investigate the cost-efficiency of the Ministry of Health (MoH) Hospitals under the impacts of the HTP reforms during the period 2009-2014. Another aim of this study is to examine the effects of the some environmental and hospital specific factors on the efficiency of the MoH hospitals. In our study, cost-efficiency measurements of 300 MoH hospitals for the period 2009 – 2014, using panel data, have been performed with Stochastic Frontier Analysis (SFA) and Data Envelopment Analysis (DEA) approaches. Also, by using two models defined for the reform years, 2010 and 2012 separately, the variations in total factor productivity of the hospitals have been calculated by the method of Malmquist index, changes in the cost-efficiency have also been examined by the method of SFA. Also, comparing the results obtained by two different methods in this study, the consistency of the results was tested. According to the results obtained by alternative methods, the cost efficiencies of the MoH hospitals have increased during the pre and post reform years, but in the socio-economically disadvantaged regions productivity gains remained limited. Further, besides all other amendments in health sector, giving financial autonomy to MoH hospitals caused an increase in cost-efficiency.

KEYWORDS Hospital Cost Efficiency; Stochastic Frontier Analysis; Data Envelopment Analysis

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