


Analysis of the Influencing Factors of the Medical Service Capacity in Key Clinical Specialties at the County Level Based on TOPSIS

CURRENT STATUS: UNDER REVIEW

BMC Health Services Research  BMC Series

Kaixuan Wang
Zhengzhou University College of Public Health

Jin-Ling Guo

 hnguojl@126.com *Corresponding Author*

Wei Wang
Henan Medical Association

Shui-Chang Zhao
Health Commission of Henan Province

Miao-Jun Li
Henan Medical Association

Zhi-Long Wang
Henan Medical Association

Ning Sun
Henan Medical Association

Chun-Xiao Bi
Henan Medical Association

Xin-Sheng Ma
Henan Medical Association

DOI:

10.21203/rs.2.20766/v1

SUBJECT AREAS

Health Policy

KEYWORDS

medical service capacity, influencing factor, county-level clinical key specialty,

Abstract

To acknowledge the medical service capacity of the first batch of county-level key clinical specialties in Henan province, analyze the influencing factors, and make targeted suggestions. TOPSIS method was used to evaluate the medical service capacity comprehensively, and the influencing factors were analyzed by simple linear regression and multiple linear regression. In the multiple linear regression model, the basic conditions, including the total investment funds during the construction period, net usable area of beds and the ratio of bed to nurse, the quality of care—the compliance rate of major clinical diagnosis and pathological diagnosis, and the personnel training—the number of technical promotion trainees, of the first county-level clinical specialties, have a significant influence upon the medical service capacity; while, the actual number of beds, the ratio of doctors and nurses, the proportion of annual expert visits, the number of technical promotion training and sending of learners, percentage of drug expenditure and core journal articles have limited effect. On the basis of the ensured allocation of resources and capital investment, more attention should be paid to personnel training and appropriate technology promotion, and the medical care quality is supposed to be always insisted on, to promote the overall improvement of medical service capacity in county hospitals.

Full-text

Due to technical limitations, full-text HTML conversion of this manuscript could not be completed.

However, the manuscript can be downloaded and accessed as a PDF.