

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

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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

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