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Abstract
The Department of Health has divided Taiwan hospitals into Medicare Center, Regional Hospital, Local Hospital, and Primary Medicare Care four levels; it aggressively pushes the “Hierarchical Medical Care System,” to expect the levels of hospitals can guard people’s health with the reasonable division of labor; although it also attempts to implement “the Hierarchical Medical Care System” by pricing factor; nevertheless, due to the defects of system design, the tendency of people to go for better hospital services and to take more medicines, so the general public normally possess the concept that “higher lever hospitals have better doctors with more effective prescriptions.”

For understanding whether there is a distinct differentiation in frequent prescriptions of common diseases treatment (especially long-term chronic prescriptions needed) among different level hospitals; this study picked the Diabetes mellitus and the Essential Hypertension those most common chronic diseases from the “National Health Insurance Research Database,” which offered by the bureau of national health insurance; then, by using of the Apriori algorithm method to find out the most common and frequent prescription pattern in different level hospitals. Furthermore, this study analyze the common and frequent prescription pattern from medicine pharmacology, medicine price, and medicine ingredients three aspects; in the mean time, compare the variance of common and frequent prescription pattern among different level hospitals.

In the comparison and analysis of the common prescription pattern in different level hospitals, with the abundant clinical experiences pharmacist’s help, we found there are certain kinds of common and frequent prescription pattern existed among different level hospitals, but no big difference in the prescriptions from the above three aspects. By extracted common and frequent prescription pattern, and the prescription pattern variance analysis’s result and procedure, this study hope can facilitate the bureau of national health insurance to implement the classification of different hospitals, also help the public to understand the common and frequent prescription pattern with different level hospitals, thus, to assist their hospital choices decision making.
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