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Abstract
With the advancement of medical, people gradually care about the problems of health. As National Health Insurance (NHI) effectuate, it provides people with their medical indemnification of life. However, to be honest, consuming medical resource brings government a great deal of burden in finance.
The patients who have heart failure need respirators to maintain oxygenation and ventilation. They may wean respirators as soon as the causes, which caused heart failure, are shrugged off. However, respirators cannot be taken off if the reasons, such as the hurt cervical vertebra or motion neuron pathological changes, can not be shrugged off or complications set in, such as affected in the hospital, gastrointestinal tract bleeding and pneumothorax etc, when the patients are in hospital. The problems of individual deprivation, family finance, medical resource, and social costing caused by the patients cannot be undervalued. For their large disbursal of money, National Health Insurance Bureau (NHIB) lays out intensive care unit (ICU), respiratory care center (RCC), respiratory care ward (RCW) and home care education to reflect the importance of the patients who need using respirators.
Data mining is a popular technique in application of database. Besides, it has been applied in different area extensively. This research mainly examines the percentages of the long-term patients who use respirators, which happens in the medical center, the susceptible group, and the patients' prognosis etc. By applying the association analysis and decision tree, this study tries to explore the information whether patients defect from respirators successfully or not. It is expected that the mining information can be used as the referenced resource for doctors' diagnose.
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