



Reduce the Invoice Errors of Surgical Consumables

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Introduction

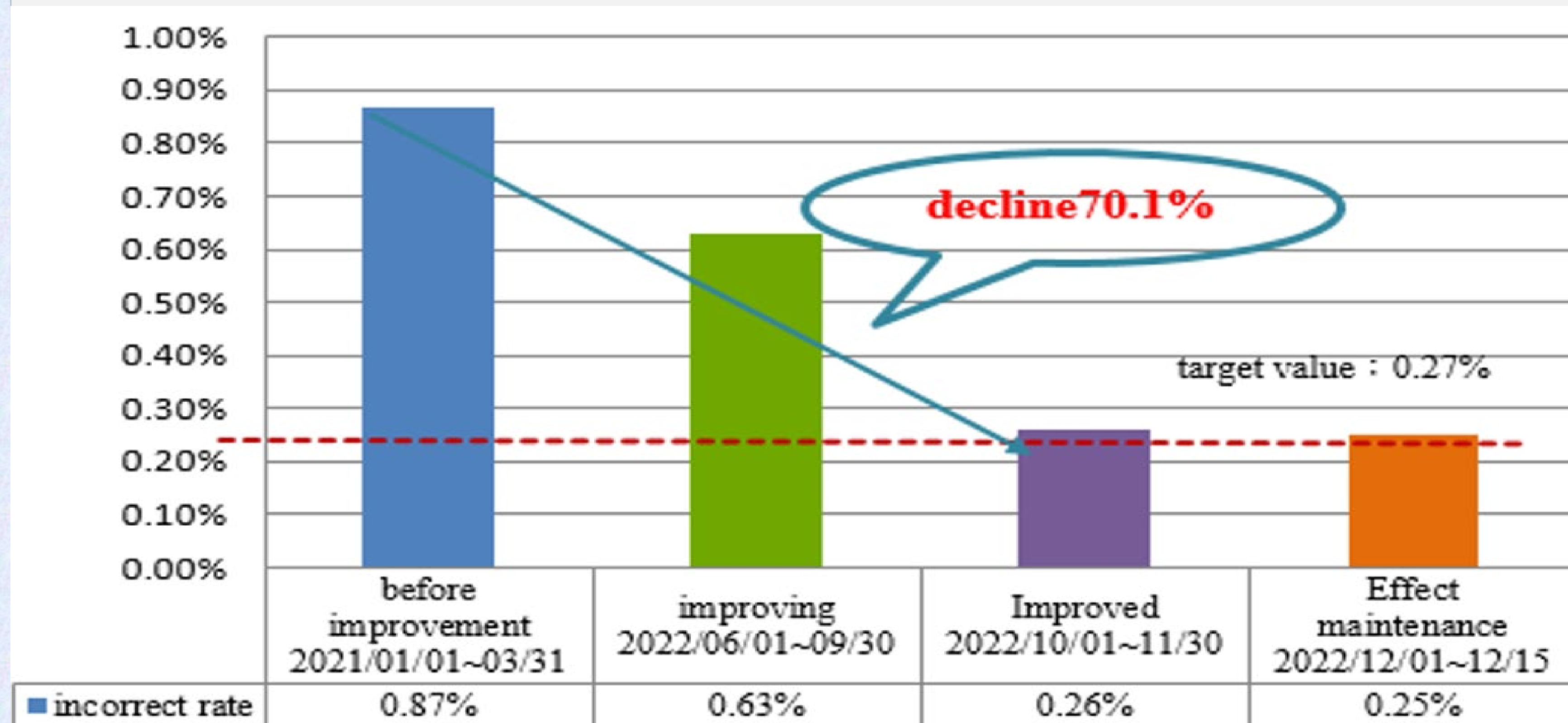
From the perspective of quality control and cost control, if valuating medical material consumption is incomplete, it may not only lead to the inventory imbalance but cause a shortage of surgical consumables and then prolong the operation time, and affect the quality of medical services and patient safety thereby. Therefore, effective management can control costs and maintain the sustainable management of medical institutions, as well as keep the safety of surgical patients. (Yasir& Majid, 2019)

Method

According to statistics from January to March in 2021, there were 26,024 transactions of manual valuating surgical consumables, and omitting valuation transactions were 227, hence the incorrect percentage was 0.87%. In accordance with the cause analysis of valuating incorrect type with departments and items of surgical consumables, it was found that data of surgical consumables were not updated in real time; personnel were not familiar with the numbers and names of surgical consumables; the method of valuation was to handwrite; nursing handover works were incompleteness; and torn surgical consumables were leaven about, etc. Six improvement measures drawn up after teamwork cooperation were (1) New knowledge broadcasting area (2) Production of e-books for surgical consumables (3) Construction an online electronic valuating system (4) Setting up reminder slogans (5) Informatization of package evaluation (6) Setting basket for only surgical consumables. In addition, an improvement goal set was the incorrect percentage of evaluation of surgical consumables in the operating room was reduced to 0.27%.

Result

After the implementation of countermeasures and improvements, the improvement results of the audit from October 1, to December 15, 2022 were : (1) The incorrect percentage of surgical consumables in the operating room is decreased from 0.87% to 0.26%; (2) The time for personnel to inquire about surgical consumables has been reduced 63.5 minutes; the number of manual calls is reduced 206 times, which also means to save 683 minutes; (3) The time for colleagues to check accounts is reduced 311 minutes; (4) The number of bill transactions is reduced 30 times, which is significantly reduced the frequency of account transactions. which is significantly reduced the frequency of account transactions. According to continuous statistics, the implementation effect from December 1 to December 15, 2022 is 0.25%, which is still within the target value.



Conclusion

By constructing an electronic evaluating information system to optimize the process, not only the incorrect evaluation percentage of surgical consumables in the operating room but the rework of clinical operations is reduced, the efficiency that staff evaluating surgical consumables improves, and the correct evaluation cognition and cost concept are strengthened. Those become priority cut-down-expense points for the hospital to cooperate.

references

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