

Use information management to improve the Completeness rate of the surgical medical instrument management

Huang Mei Hui ¹
¹ Taipei Hospital Ministry of Health and Welfare Operating room

P224

INTRODUCTION

Use information systems and audit mechanisms to understand the use and maintenance status of surgical medical instruments, implement the integrity of surgical medical instrument management.

AIM

improve the timeliness of surgical medical instrument maintenance and the effectiveness of surgical medical instrument management, and promote surgical patient safety and quality of care.

METHOD

The audited surgical medical instrument management integrity rate from August to October 2023 was 50%. The reasons for the low surgical medical instrument management integrity rate were analyzed: (1) personnel are not familiar with the standard procedures for surgical medical instrument management (2) it is time-consuming to search for surgical medical instruments (3) Not familiar with the process of sending surgical medical instruments for repair. Implementation strategy: conduct educational courses on standard procedures for surgical medical instrument management, use surgical medical instrument information positioning systems to reduce the time spent searching for surgical medical instruments, organize courses on surgical medical instrument management information systems, and carry out information-based instrument maintenance and repair processes.

CONCLUSIONS

By promoting the standard process of surgical medical instrument management, using the surgical medical instrument information positioning system and the surgical medical instrument management system, we can improve the integrity of surgical medical instrument management by colleagues, shorten the search time for surgical medical instruments, enhance the awareness of surgical medical instrument management, and promote Surgical patient safety and quality of care.

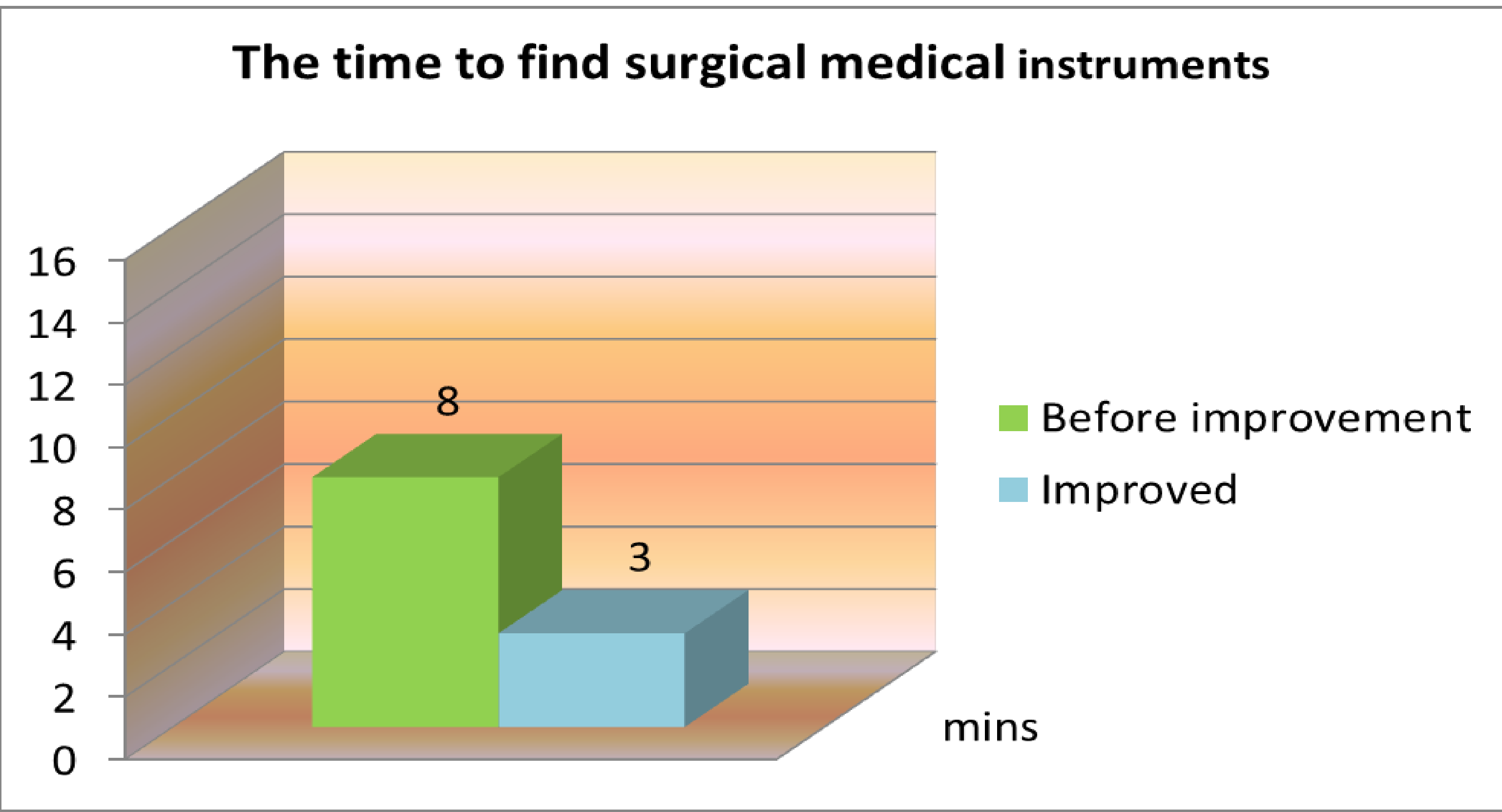
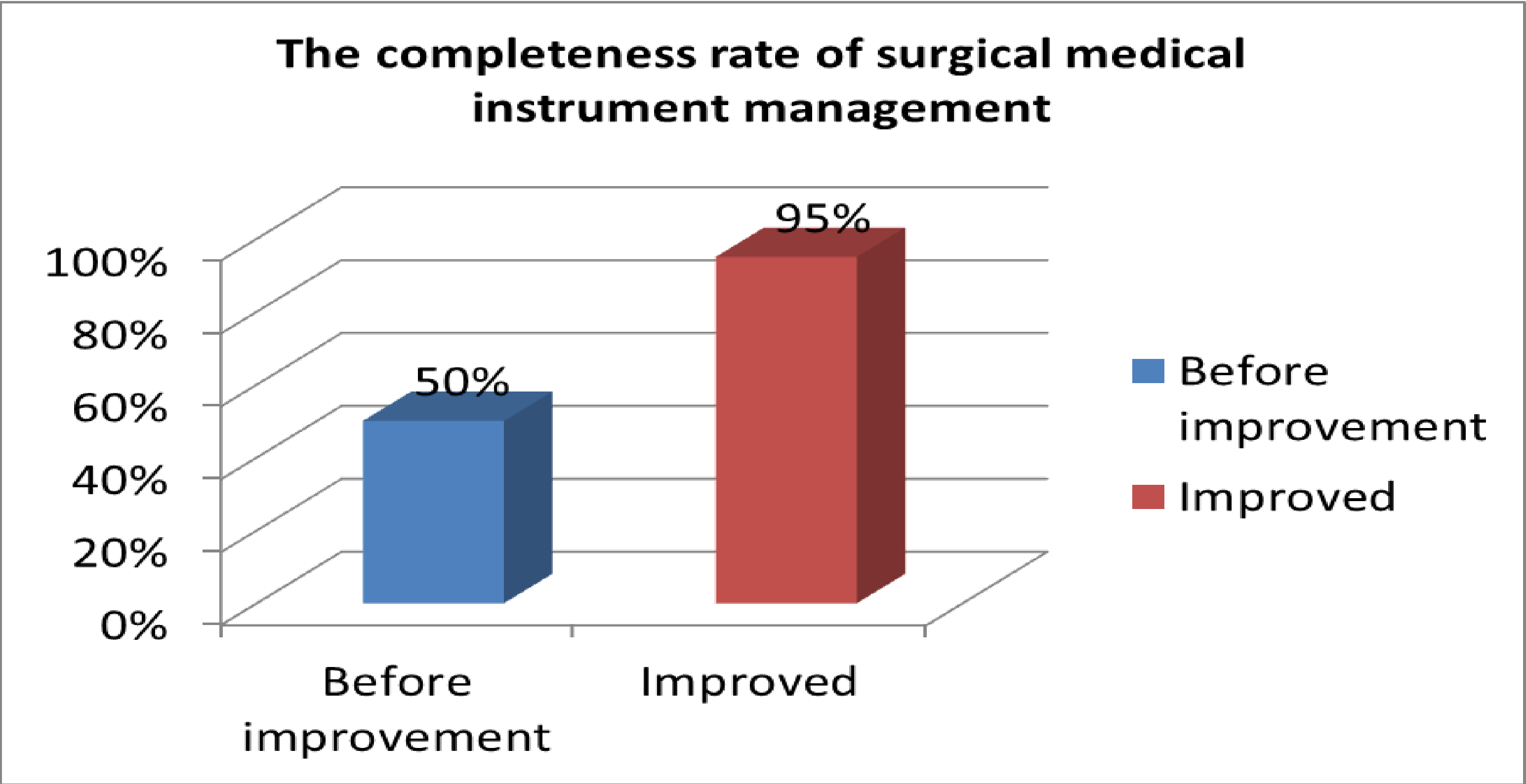
REFERENCES

Hsu, H. k., Yeh , Y. T., & Liu, C. T. (2016). Development of the Tracking Management System of Mobile Medical Instrument : Using the Example of 12-lead ECG. The Journal of Taiwan Association for Medical Informatics,25(2), 51-65.

Lin, Y. L., Guo, H. M., Lee, M. Y., Su, H. Y., Chu, T. L., & Yu, W. P.(2019). Project Using Information Systems with Barcode Technology to Improve Efficacy in Managing Medical Equipment Supplies at a Hospital Ward. The Journal of Health Sciences, 50(2), 22-35. [https://doi.org/10.6979/TJHS.201903_5\(2\).0003](https://doi.org/10.6979/TJHS.201903_5(2).0003)

RESULTS

From November 2023 to January 2024, the completeness rate of surgical medical instrument management will increase from 50% to 95%, and the time to find surgical medical instruments will be shortened from 8 minutes to 3 minutes.



ACKNOWLEDGEMENT

We would like to thank Taipei Hospital of the Ministry of Health and Welfare for providing the opportunity to publish this article.

CONTACT INFORMATION

j15902396@gmail.com