

Incorporating severity grading management, the green sign represents the lowest risk of fall, followed by the yellow sign, then the red sign indicating the highest risk, to reduce the incidence of patient fall in the medical ward.

Shin-Yi Chen¹

Division of Medical ward, Taipei Medical University Hospital, Taipei, Taiwan

INTRODUCTION

According to the World Health Organization, a fall is an event that causes a person to unintentionally fall to the ground.

In Taiwan, incidents of patient falls rank as the second most frequently reported adverse event, causing significant impacts on both patients and their family caregivers.

In 2022, the hospital's fall incidence rate was 0.056%, which exceeded the hospital-wide target of 0.05%.

Specifically, the fall incidence rate in the internal medicine wards reached 0.08%.

According to our evaluation, we determine the level of risk for falling using three colors, red, yellow, and green. The green sign is for the lowest risk of fall, followed by the yellow sign, then the red sign for the highest risk. Introduce different fall prevention measures, hoping to reduce the incidence of fall and improve patient safety.

AIM

Incorporating severity grading management, the green sign represents the lowest risk of fall, followed by the yellow sign, then the red sign indicating the highest risk, to reduce the incidence of patient fall in the medical ward.



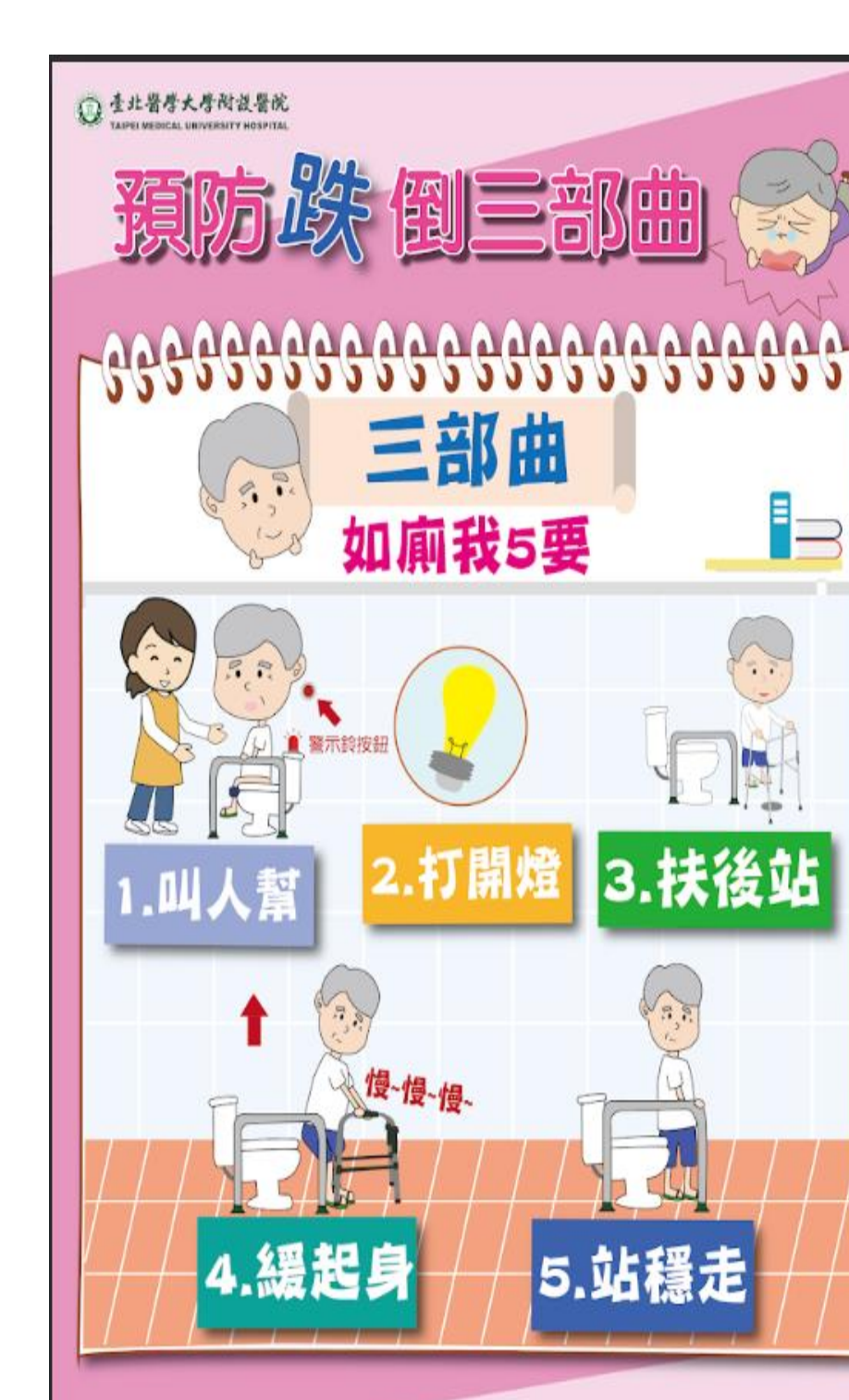
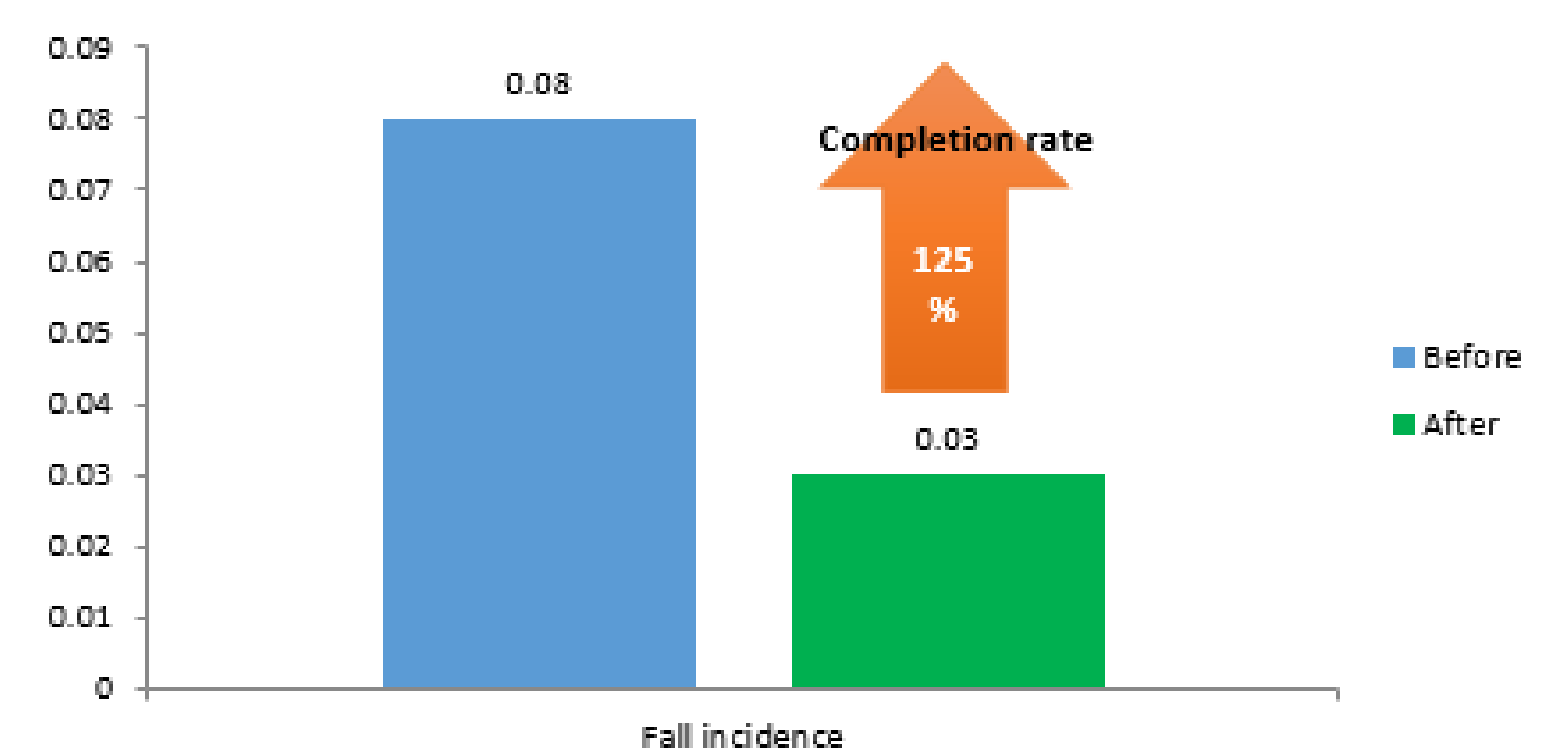
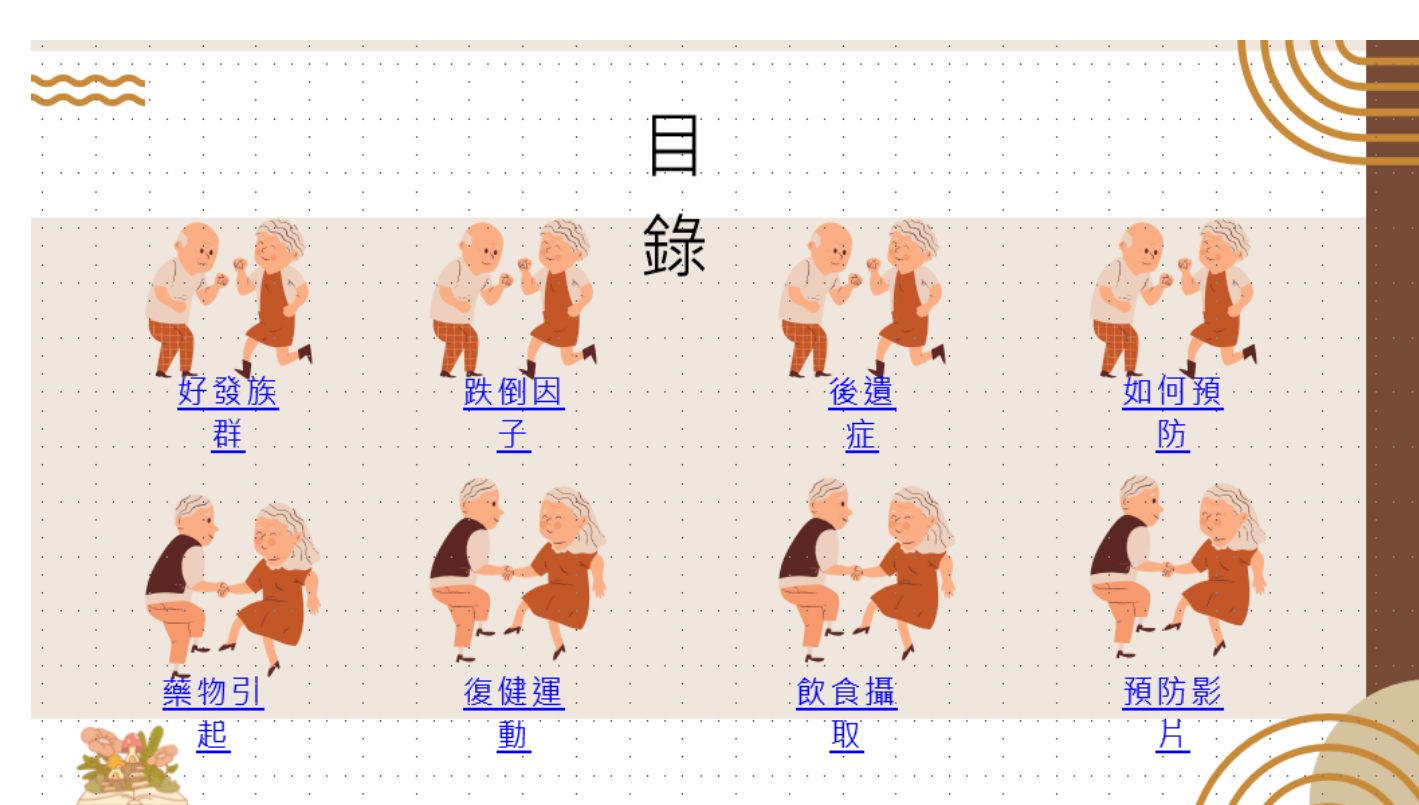
METHOD

When the patient is admitted to the hospital, the nurse will conduct Morse fall scale, unilateral stance test, postural hypotension test, muscle strength assessment (less than three points), nutritional assessment (weight loss of 5% within three months), and drug assessment (effects of taking (two or more drugs for consciousness or activity)), Green sign a mild to moderate risk of fall, with one of the unilateral stance test or postural hypotension test not being passed, intervention nurse gives e-book on preventing fall. Yellow sign intervention nurse gives e-book on preventing fall, doctors remind patients to prevent fall and department intervention corresponding to high-risk items for patients, for example: nutritionist, physical therapist, pharmacist.

Red circle everyone has to intervene to take care of the patient.

RESULTS

1. During December 1 to 31, 2023, there were 163 patients in the high-risk fall group of medical patients, including 5 patients red circle, 70 patients yellow sign, and 88 patients green sign. The completion rate of fall prevention intervention was 80%.
2. The incidence rate of inpatient fall has decreased to 0.03%.



CONCLUSIONS

Graded management of high-risk fall groups enables nurses to focus more on caring for high-risk fall patients within limited time.

Color management allows patients to better understand their own risk of falling. By integrating fall prevention education content into an interactive e-book, information becomes clear and easily accessible.

ACKNOWLEDGEMENT

I would like to express my assistance and to the TMUH administration for their support.



REFERENCES

- (1) Doménech-Briz V, Rosario Gómez Romero, Isabel de Miguel-Montoya, Juárez-Vela R, Martínez-Riera JR, Mármol-López MI, et al. Results of Nurse Case Management in Primary Health Care: Bibliographic Review. *International Journal of Environmental Research and Public Health* 2020 2020;17(24):9541.
- (2) Ispas S, So S, Toy M. Barriers to Disease Monitoring and Liver Cancer Surveillance Among Patients with Chronic Hepatitis B in the United States. *J Community Health* 2019/06// Jun 2019;44(3):610-625.

CONTACT INFORMATION

E-mail: 126013@h.tmu.edu.tw



臺北醫學大學附設醫院
TAIPEI MEDICAL UNIVERSITY HOSPITAL