

Reduce the incidence of needle sticks for nursing staff

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INTRODUCTION

Needle and sharps injuries are the most common occupational injuries in healthcare work environments.

AIM

REDUCE THE INCIDENCE OF NEEDLE STICKS

METHOD

Nursing staff are the main group of blood infection, accounting for 55.72%. From 2021.01.01 to 2021.12.31, there were 23 needle sticks in our hospital. The top three units with the highest incidence rate were ICU, OR, and ER, with a total of 10 cases, and the incidence rate was 0.58%. Needle sticks will cause great harm and threat to the work safety and health of medical staff. Therefore, these three units are the key improvement units to form a QCC for improvement.Improvements will be made from 2022/03/29 ~ 2022/12/31. According to the statistics, 33% of the staff who had needle sticks had their working experience less than 1 year, and 33.3% had 1-3 years. The most common medical actions during needle sticking are separation of needles and needles, drawing of blood, cleaning of instruments and transfer of instruments.The audit was conducted from 2022/8/29~9/2, with a total of 85 person-times. The main problems are: 1. The patient was agitated during injection or blood drawing; 2. The sharp medical material was not used correctly; 3. Physicians did not remind them that there were knives or needles during surgery, 4. No implementation of education and training, 5. Failure to operate sharp objects according to standard procedures, Therefore, the improvement measures are proposed: 1. Make a fixed hand guard to prevent the patient from restlessness, 2. Shoot a total of 5 videos on commonly used safety needles, and watch them in the first week of work for newcomers. 3. Make a formula for preventing needle sticks and remind the staff to pay attention. 4. Needle sticks teaching plans were prepared based on needle sticks cases in the past 3 years for the staff to guide. 5. Revise 2 copies of the standard work instructions, and formulate an education plan for needle stick prevention. 6. Make a slogan about needle stick prevention and stick it next to the syringe recycling bin to remind personnel to pay attention.

RESULTS

According to statistics, the number of needle sticks in the nursing department from 10/1 to 12/31, 2022 is 0. The hospital can save NT\$181,470 a year.



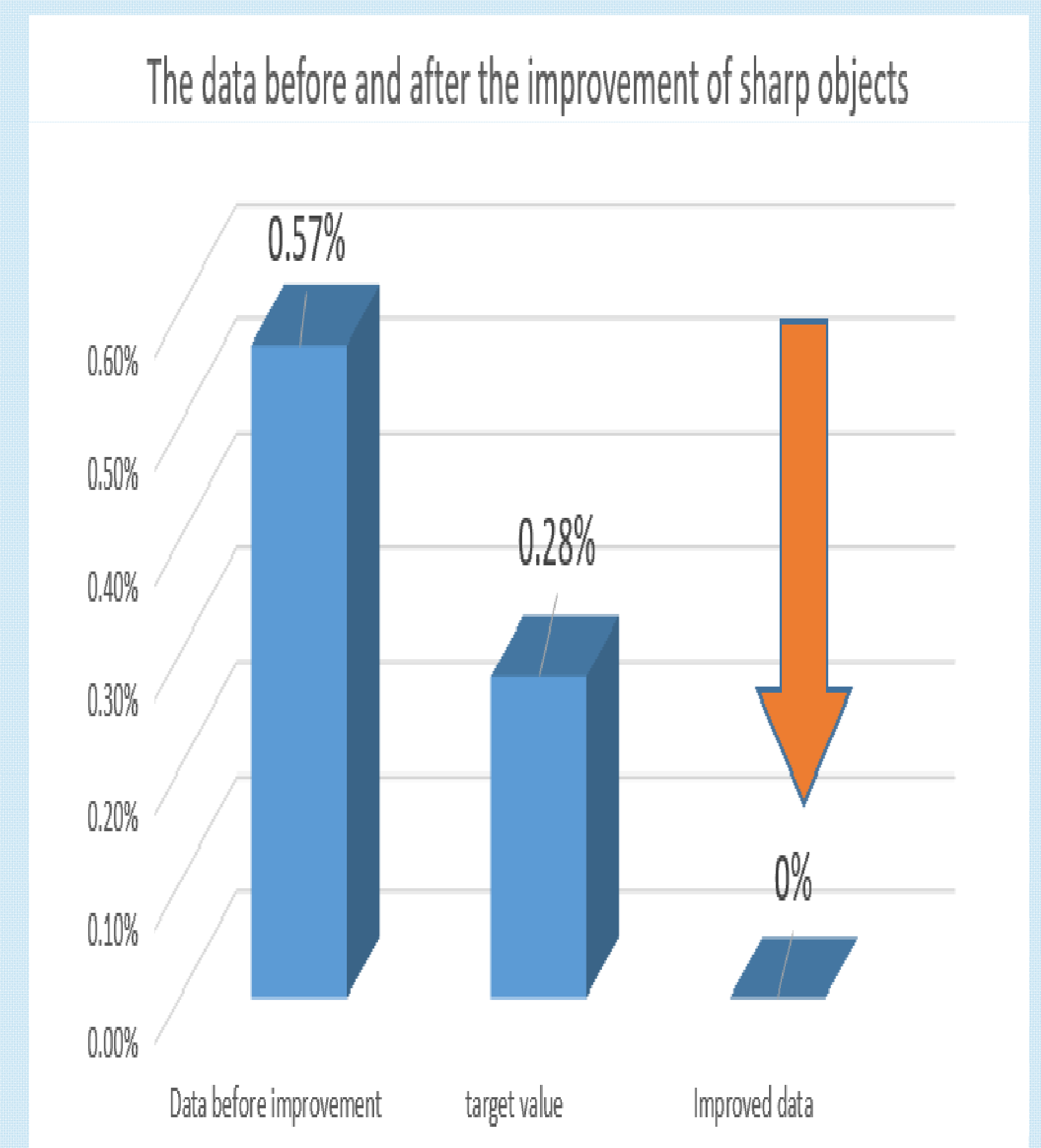
Slogans on nursing work vehicles-1



Slogans on nursing work vehicles -2



Needle stick prevention poster



CONCLUSIONS

Hospitals need to provide a safe working environment. Nursing staff are not only worried and frightened after needle sticking, but also increase hospital tracking and treatment costs. From 2022/3/29 to 2022/12/31, the quality control circle formed across units has been improved. The number of needle sticks has dropped from 23 to 0 in 2021, which shows that the improvement measures are effective. Later, it was expanded to all nursing units in parallel, hoping that there would be no more needle sticking incidents

KEYWORDS

Needle stick prevention,
Nursing staff