

LITERACY DIGITAL PROMOTION USING ADDIE APPROACH: A REPORT OF IMPROVEMENT PROGRAM PROGRAM

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INTRODUCTION

Digital technology is important in supporting health services(1–2). The ability to filter the validity of information is one of the digital literacy skills. Digital literacy comprises being able to find, evaluate, and utilize appropriately, ethically, wisely, intelligently, carefully, precisely, and lawfully. The use of technology must be adequately managed, and the competency of its users must be improved so that digitalization can be used appropriately and wisely.

AIM

This study reports on quality improvement programs that have been carried out in hospitals during the pandemic and the new post-pandemic era. The activity was carried out for five weeks using an Assessment, Development and Design Program, Implementing and Evaluation (ADDIE) approach. The ADDIE approach was chosen because from previous studies it was concluded that ADDIE can make it easier for trainees and nurses to follow the directions in a structured manner and can improve their competency.

METHOD

This study applies the Assessment, Development and Design Program, Implementing and Evaluation (ADDIE). The sample for evaluating digital literacy pre- and post-implementation consisted of twenty-five nurses who were selected via purposive sampling.

The instrument used was the “Person-Cantered Digital Literacy” questionnaire, the validity of which was in the range of 0.497–0.897, with a reliability value of 0.975

RESULTS

Figure 1. Fishbone Analysis of Needs Promotion Enhancement Literacy Digitization

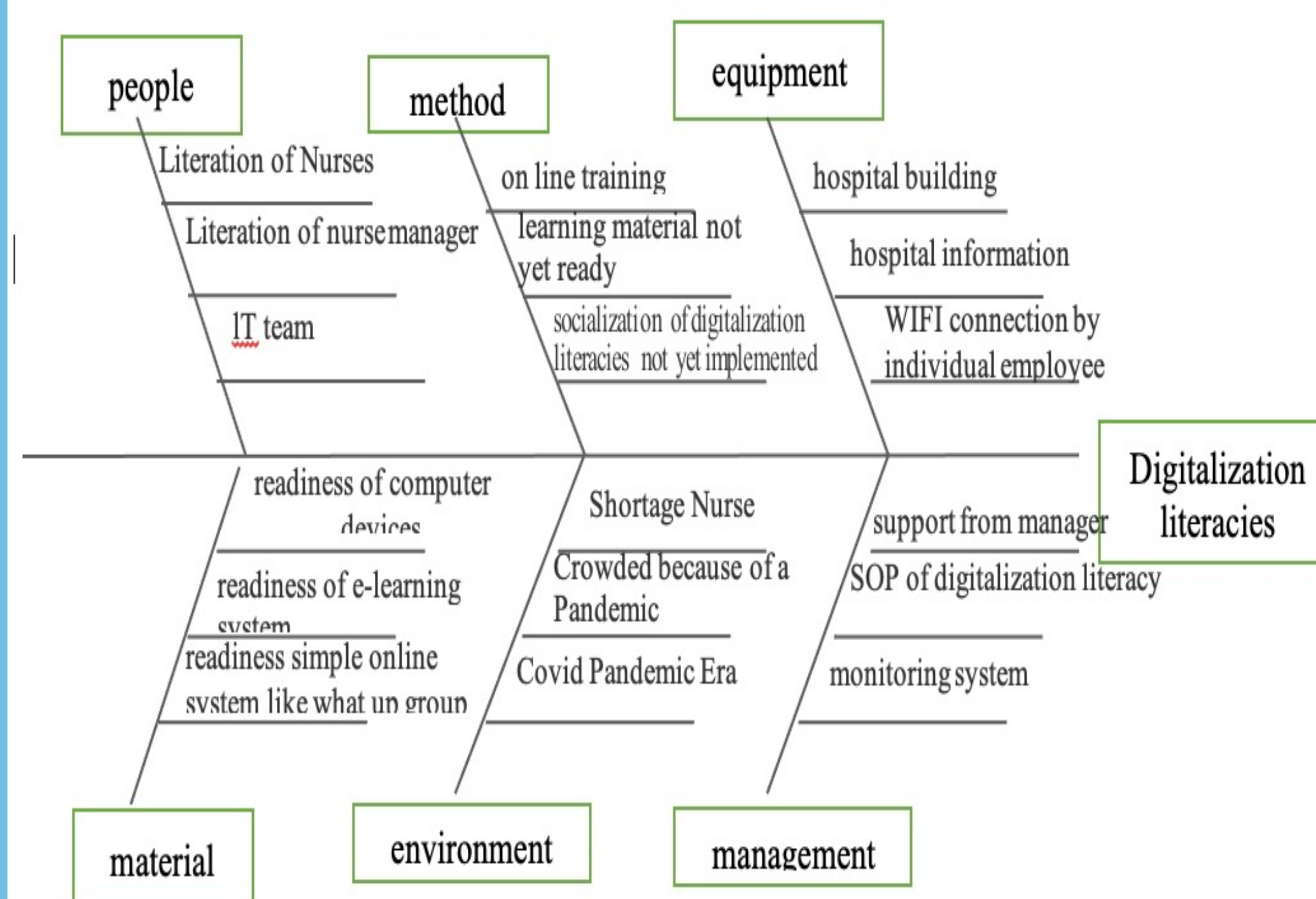


Figure 1. shows the Fishbone assessment analysis of the need to increase digital literacy. The assessment was carried out to identify the readiness of human resources, management, methods, environment facilities, and infrastructure.

Figure 2. The difference in Nurse Digital Literacy Competency Before and After Quality Improvement Program: Digital Literacy Promotion (N=25)

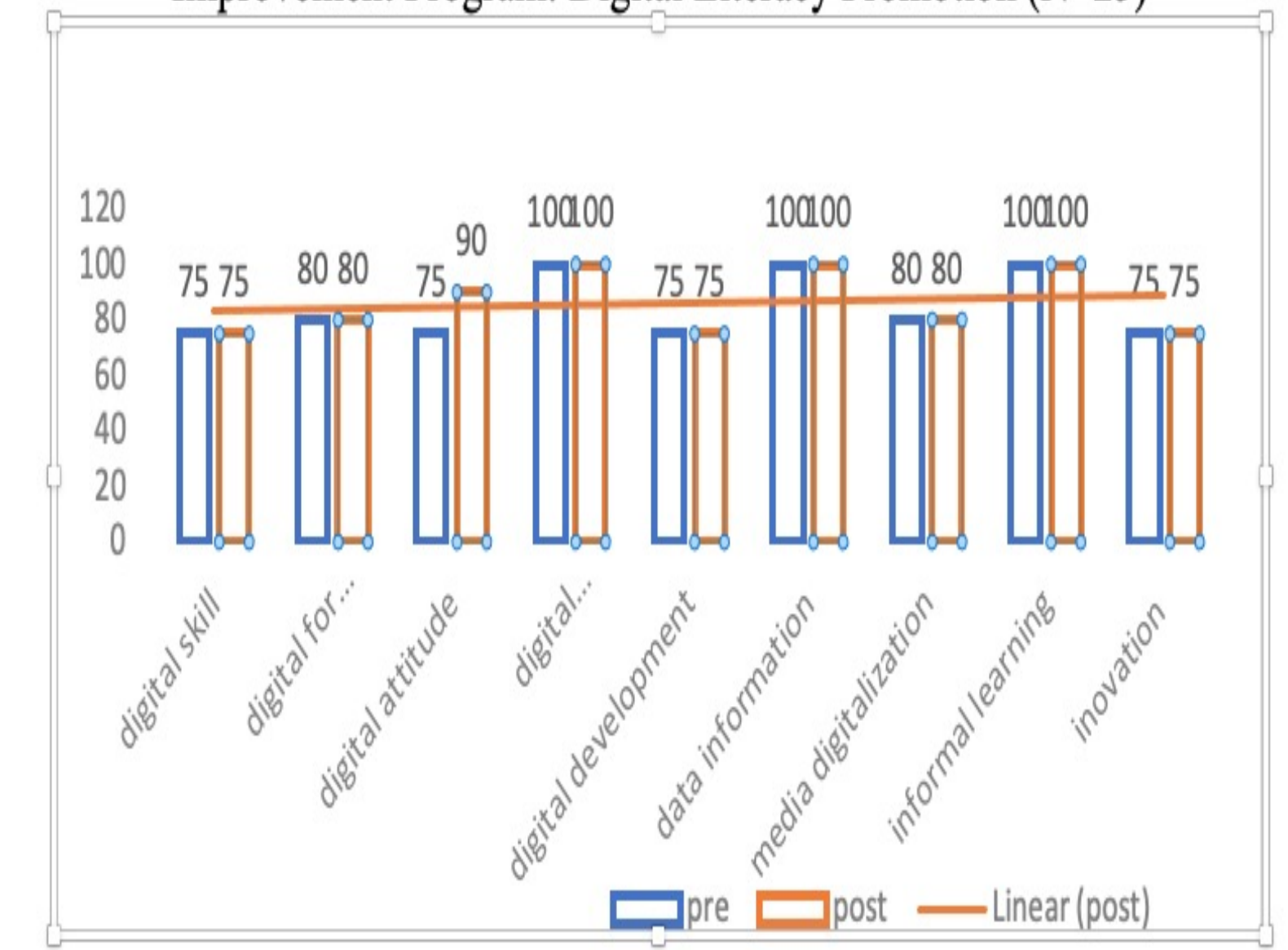


Figure 2. The evaluation of the digital literacy promotion program with ADDIE approach showed changes in increasing competency in attitudes and behaviour. The term ‘attitude’ in this study refers to the ability to appreciate the information and use professional ethics in communicating digitally and on social media. The reluctance to use innovation and digital skills to increase productivity may be because the nursing staff is not familiar with the use of information technology. Nurses need time to change patterns and adjust their attitudes and behaviours and therefore also require encouragement and self- commitment (3).

CONCLUSIONS

Digital technology is an indispensable tool to improve service quality. The promotion of digital literacy for nursing staff in this study aimed to increase competency in using digital technology in nursing services. However, while it improved behavioural aspects in the use of digital technology. The result of the digital literacy promotion with ADDIE approach showed changes in increasing competency in attitudes and behaviours.

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