

A Program To Improve The Integrity Of The Care Guidance For Patients Undergoing Cardiac Catheterization

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Background

- The Ministry of Health and Welfare in Taiwan reports heart disease as the country's second leading cause of death, with an increasing number of patients undergoing cardiac catheterization annually.
- In 2020, the severe epidemic reduced group-guided cardiac catheterization sessions to 32% of patients, dropping further to 27.8% in the early months of the following year.
- This has led to increased nursing time and workload due to repeated patient guidance.

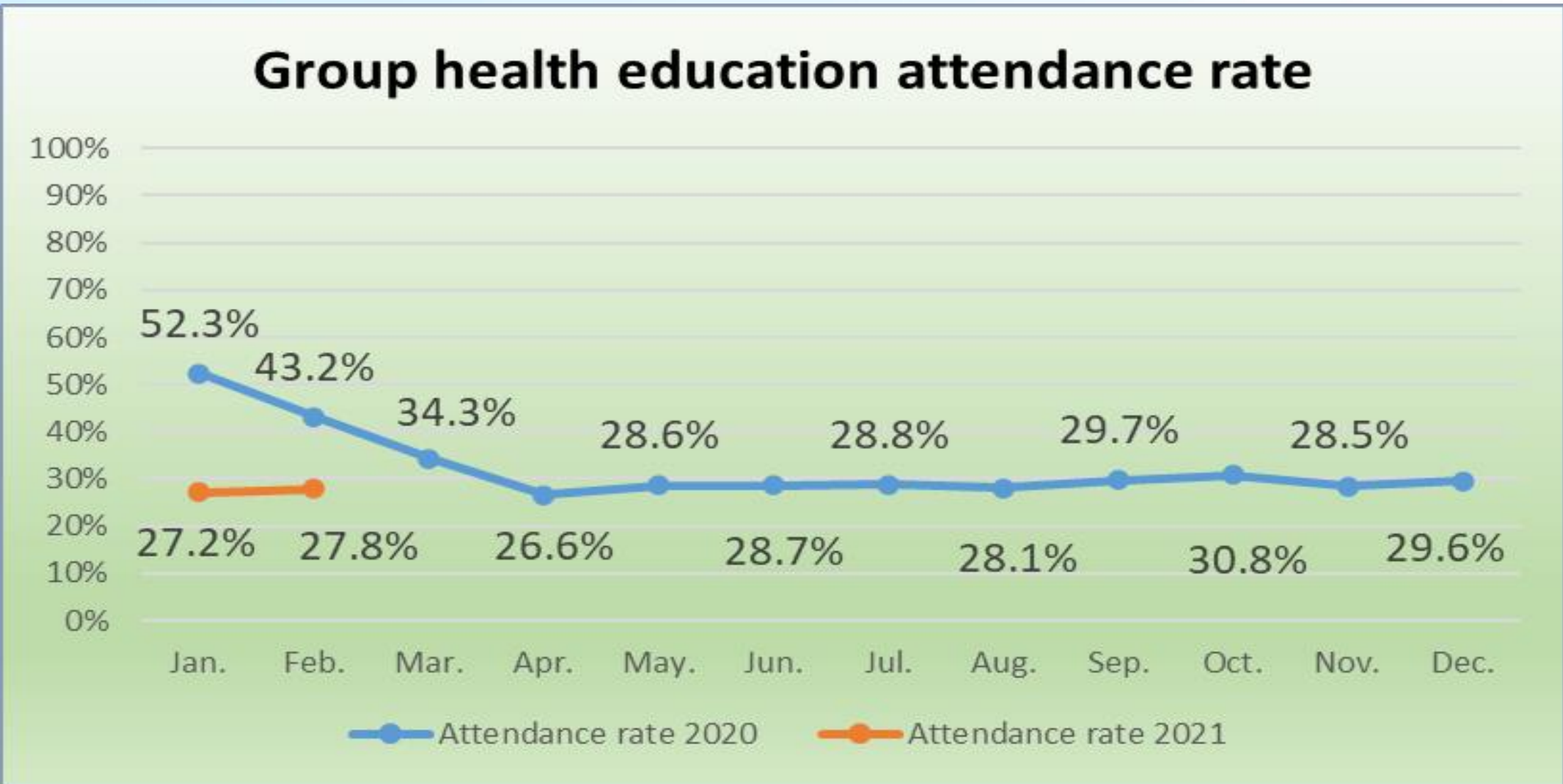


Figure 1. Group health education attendance rate

Method

- Establish standardized nursing protocols and guidelines for cardiac catheterization procedures
- Formulate checklists for nursing staff to assist in providing care for patients undergoing cardiac catheterization and to guide patients in preparing for the procedure.
- Develop on-the-job education and training programs for nursing staff.
- Create instruction leaflets and posters for cardiac catheterization with QR codes for display in exam rooms, waiting areas, and clinics.

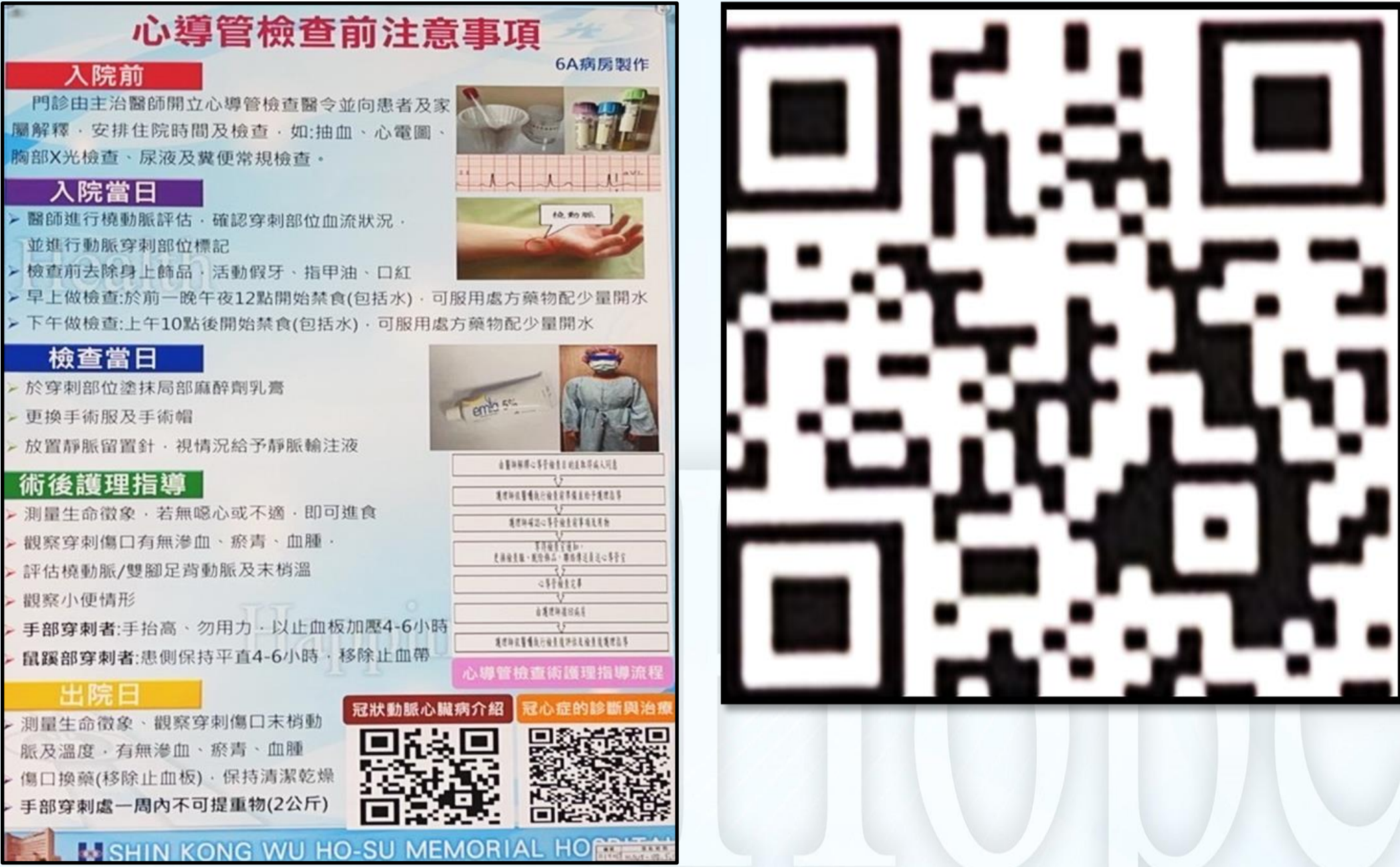


Figure 2. Developing Standardized Procedures

Results

- Following the project's implementation, the nursing guidance completion rate soared from 56.3% to 95.4%, thanks to improved adherence to instructions by the nursing staff.
- This improvement was facilitated by the use of tools like the "Cardiac Catheterization Nursing Guidance Checklist" and the "Cardiac Catheterization Patient Self-Preparation Checklist," alongside in-service education and multimedia resources.
- These measures boosted both staff and patient understanding, decreasing the necessity for repeated guidance sessions.

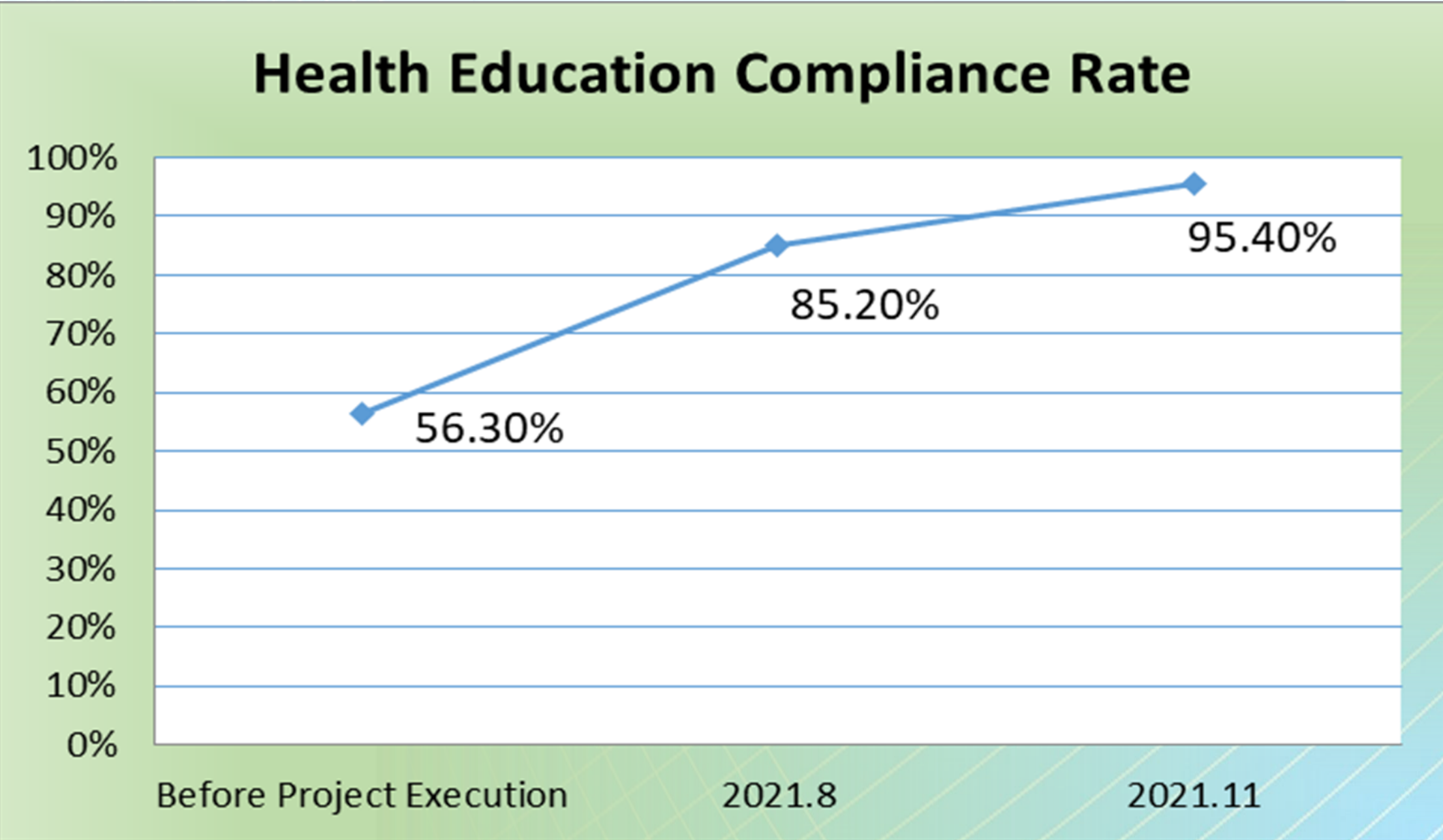


Figure 3. Health Education Compliance Rate

Implications

- For Nurses

 - In order to improve the compliance of nursing staff with the cardiac catheterization nursing protocols, we employed a combination of standard operating procedures, direct observation, face-to-face interviews, and questionnaire surveys.
 - Due to the increased workload brought on by the pandemic, it became evident that some important details were being overlooked, leading to incomplete preparation for procedures and resulting in delays.
 - The data gathered during the project implementation highlighted a lack of experience among nursing staff and identified deficiencies in the available nursing guidance tools.
- For Patients

 - Following the project's implementation, there was an increase in cardiac catheterization nursing guidance execution and an improvement in guidance comprehensiveness.
 - Patients or their families can scan QR codes in select areas to access nursing guidance videos, making information more accessible and convenient while also reducing the time nurses spend on instructions.
 - This method allows for flexibility in terms of time, location, and adherence to pandemic policies, with the added benefit of being able to review the material multiple times for better understanding.

Reference

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