

#### CHI Learning & Development (CHILD) System

#### **Project Title**

Isolation nurses creating infection control awareness and adherence among visitors in Isolation Ward

#### **Project Lead and Members**

Project lead: Hema Malini

Project members: Norazrina Baharudin, Emelia Ong,

#### **Organisation(s) Involved**

Ng Teng Fong General Hospital

#### **Healthcare Family Group Involved in this Project**

Nursing

#### **Applicable Specialty or Discipline**

Infection Diseases

#### **Aims**

The Isolation Ward strives to minimise challenges for nurses to educate patients' visitors on infection control practices from 77.3% to <20%, in order to increase awareness and improve adherence from 18.5% to 70% by 31st October 2019.

#### **Background**

See poster appended/below

#### Methods

See poster appended/below

#### Results

See poster appended/ below



CHI Learning & Development (CHILD) System

**Lessons Learnt** 

• There is a lack of measures pertaining to infection control among patient's visitors as

potential vectors of disease carriers.

• More educational resources can be directed towards improving visitors'

understanding on isolation and infection precaution measures.

Conclusion

See poster appended/below

**Project Category** 

Care & Process Redesign, Value Based Care, Operational Management, Resource

Allocation, Safe Care, Adherence Rate, Risk Management

**Keywords** 

Isolation Ward, Infection Precaution Measures, Visitor Education

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# ISOLATION NURSES CREATING INFECTION CONTROL AWARENESS AND ADHERENCE AMONG VISITORS IN ISOLATION WARD

MEMBERS: NC HEMA MALINI, SSN NORAZRINA, SN EMELIA ONG

# SAFETY QUALITY PATIENT EXPERIENCE

□ PRODUCTIVITY□ COST☑ TEAMWORK☑ COMMUNICATION

# Define Problem, Set Aim

#### **Opportunity for Improvement**

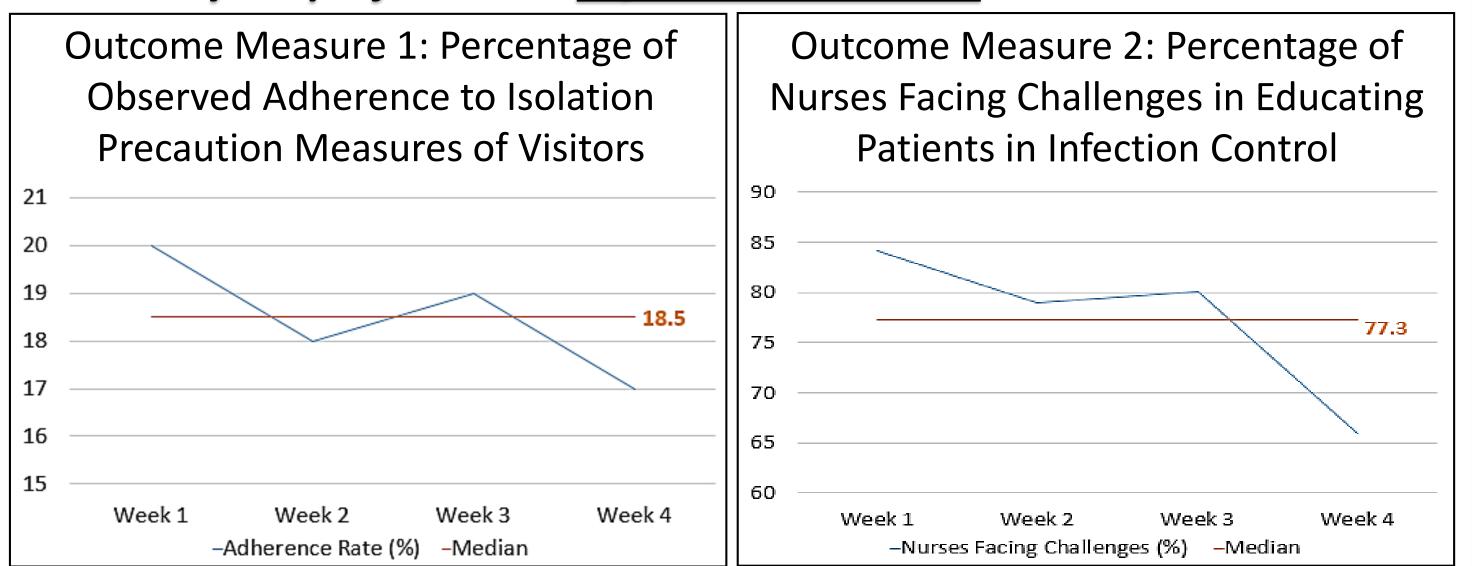
Patients in the Isolation Ward are generally on isolation precautions (airborne, droplet and/or contact). On observation, only **18.5%** of visitors were aware of and adhered with infection control measures. In addition, **77.3%** of nurses found it challenging to educate visitors on infection control measures. These factors results in the breach of infection control by the patients' visitors that could cause disease to them and the community through the spread of contagious harmful organisms.

### Aim

The Isolation Ward strives to minimise challenges for nurses to educate patients' visitors on infection control practices **from 77.3% to <20%**, in order to increase awareness and improve adherence from **18.5% to 70**% by 31<sup>st</sup> October 2019.

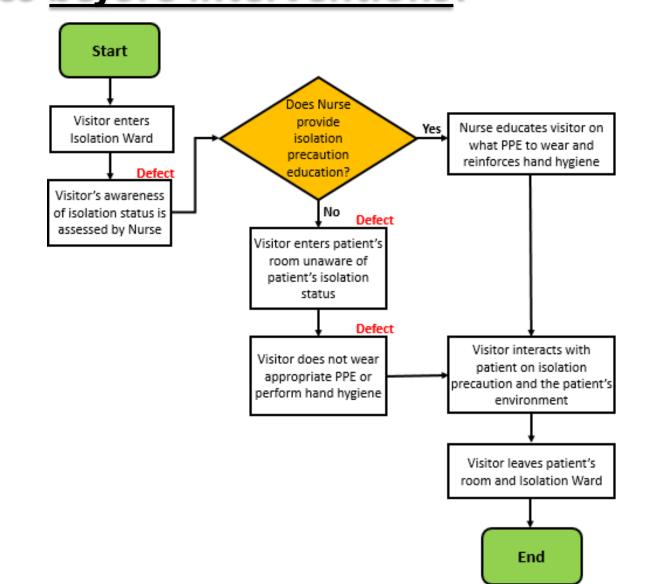
# **Establish Measures**

#### What was your performance before interventions?

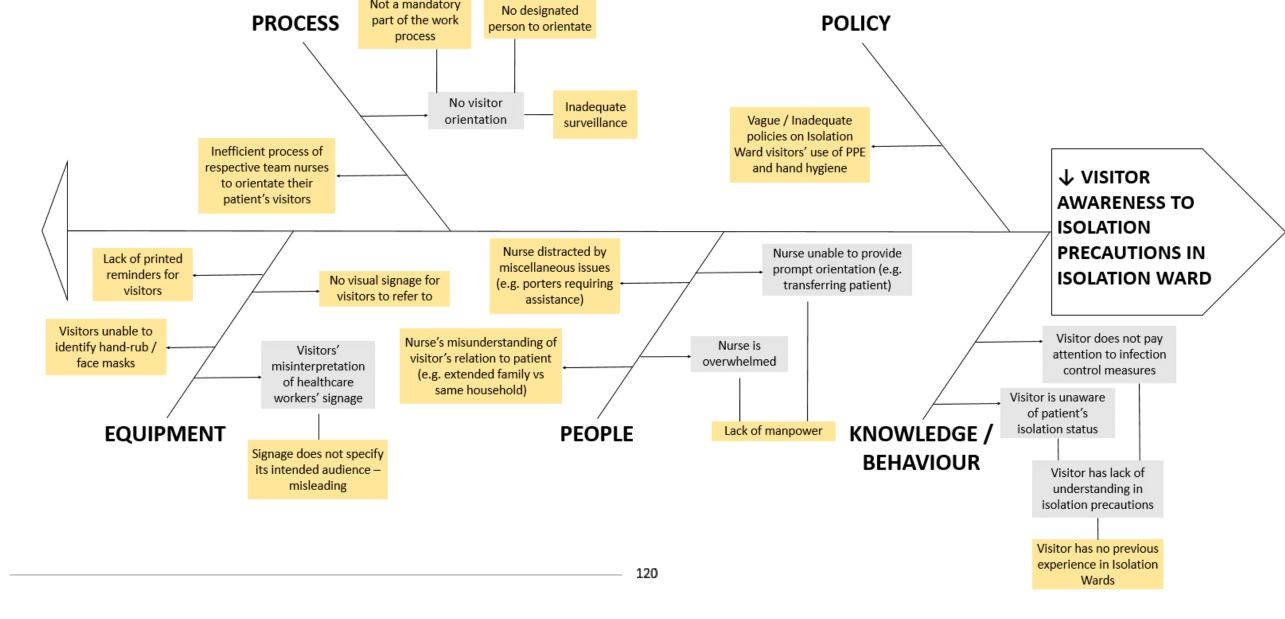


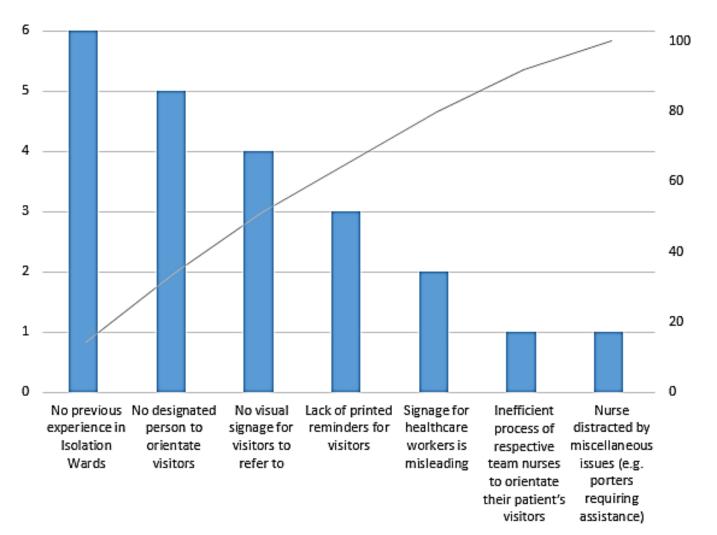
# **Analyse Problem**

## What is your process before interventions?



#### What are the probable root causes?

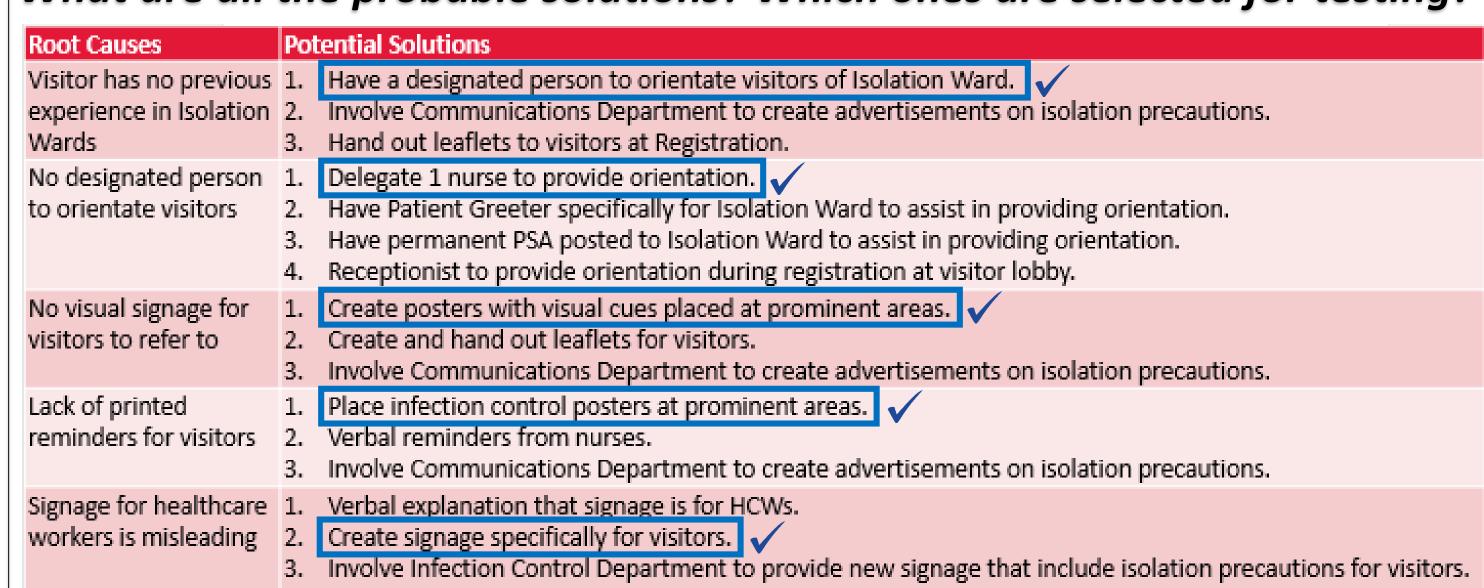




Out of the 13 causes identified in the fishbone diagram, 7 were voted to construct the Pareto chart. Through the 80-20 rule, 5 root causes were pinpointed as the project's priority.

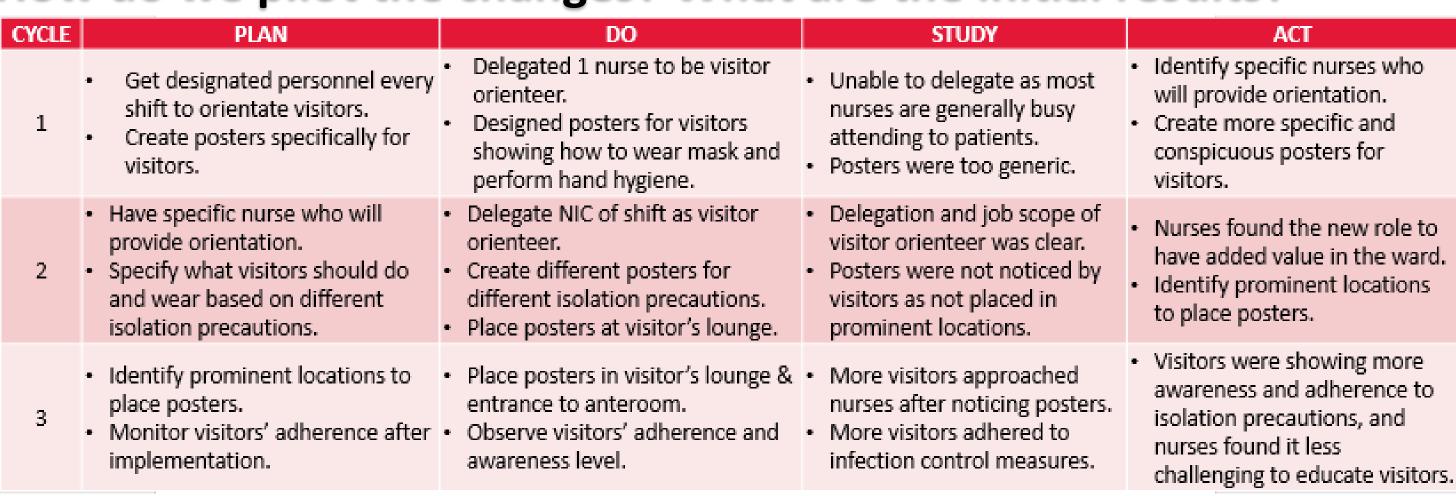
# **Select Changes**

What are all the probable solutions? Which ones are selected for testing?

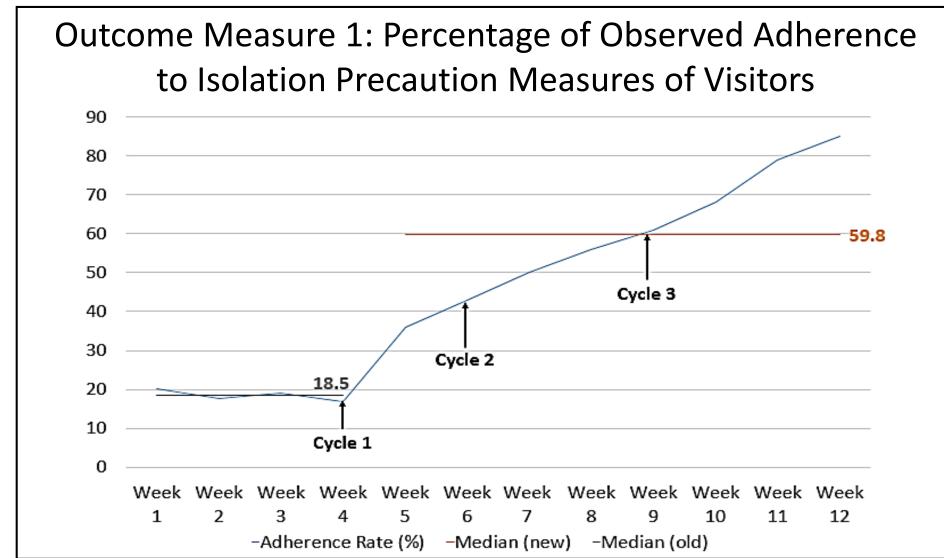


# Test & Implement Changes

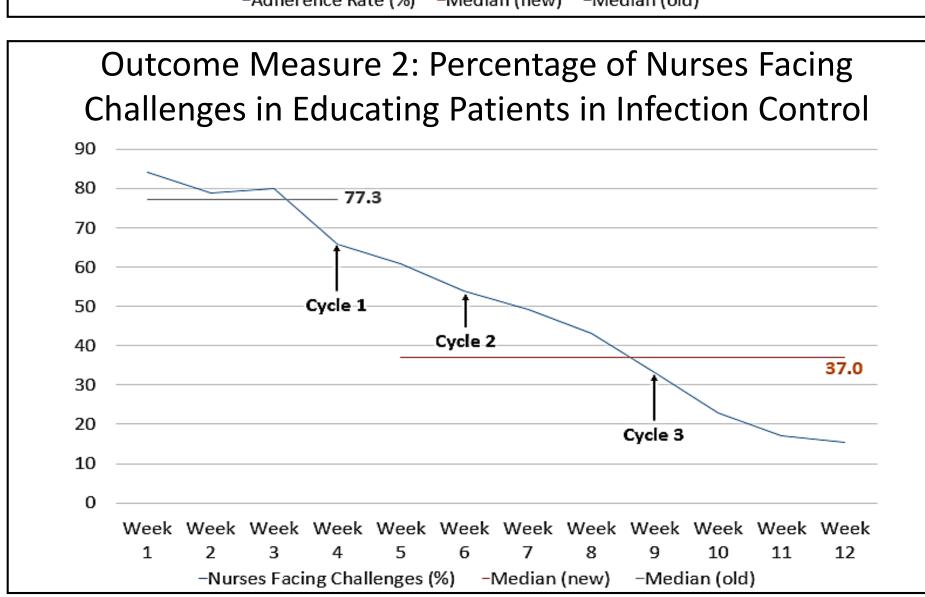
# How do we pilot the changes? What are the initial results?











Overall, significantly more visitors on average were noted to be enquiring on and adhering to isolation precaution measures after the implementation of changes. Nurses also found less difficulty in providing education to visitors on infection control.

# Spread Changes, Learning Points

# What are/were the strategies to spread change after implementation?

- Involve Communications Department to develop official posters for hospitalwide use.
- Involve Infection Control to implement and pilot standardized measures for visitors of patients with isolation statuses in all wards.

#### What are the key learnings from this project?

- There is a lack of measures pertaining to infection control among patient's visitors as potential vectors of disease carriers.
- More educational resources can be directed towards improving visitors' understanding on isolation and infection precaution measures.



