Healthcare Organization Commitment

Contact Details

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Position
Nurse Manager - Quality Unit

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Commitment Details

Commitment Name
Prevention of Hospital Acquired Infections (Ventilator – Associated Pneumonia)

Participants
Dr. Le Quoc Su
Thai Thi Kim Nga

What Patient Safety Challenge does your Commitment address?
Challenge 2D - Ventilator-associated pneumonia (pedVAP/PVAP)
Commitment Start Date
01/10/2016

How Many Hospitals Will This Commitment Represent
1

Action Plan
Prevention and Monitoring of HAIs related to Ventilator-Associated Pneumonia. Ventilator-associated pneumonia (VAP) is defined as pneumonia in a patient intubated and ventilated at the time of or within 48 hours before the onset of the event. NOTE: There is no minimum period of time that the ventilator must be in place in order for the pneumonia to be considered ventilator-associated. The ventilator-associated pneumonia (VAP) rate is defined as the number of ventilator-associated pneumonias per 1,000 ventilator days. Since we have a limited number of patients as of the moment, in this case, for a particular time period, we are interested in the total number of cases of ventilator-associated pneumonia in the ICU. For example, if in February there were 12 cases of VAP, the number of cases would be 12 for that month. We want to be able to understand that number as a proportion of the total number of days that patients were on ventilators. Thus, if 25 patients were ventilated during the month and, for purposes of example, each was on mechanical ventilation for 3 days, the number of ventilator days would be 25 x 3 = 75 ventilator days for February. The Ventilator-Associated Pneumonia Rate per 1,000 Ventilator Days then would be 12/75 x 1,000 = 160.

Goal: Decrease the VAP rate per 1,000 ventilator days by 50 percent within 12 months.

(Reference from Institute for Healthcare Improvement …) Maintain the existing prevention of pressure ulcer plan and fall prevention which are effective at the moment. And to ensure 95% medications and key clinical protocols to be done on time. Those will be submitted to Quality Management to include in the Quality Indicators monthly.

Commitment Timeline
1 year

Impact Details

Lives Lost in Last Calendar Year
0

How many lives do you expect to spare from harm in the next calendar year?
0

How many lives do you expect to save in the next calendar year?
7

Methodology for Determining Lives Saved
same as above