# Impact of Discharge Teaching on the Readmission Rates of Pediatric Patients With Asthma

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#### Introduction

- · There is a lack of education amongst healthcare professionals about asthma, which facilitates a lack of understanding amongst the family patient population upon discharge
- · A need for increased discharge teaching for pediatric asthma patients that focuses primarily on risk factors, causes of asthma exacerbation, and common triggers to prevent readmission to the hospital

**PICO**: In nurses preparing to discharge pediatric asthmatic patients, does providing additional education about common asthma triggers and readmission factors increase the nurses' knowledge about these triggers and factors?

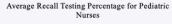
### Appendix A:



#### Lessons Learned

# **Results:**

<u>Pre-test</u>	Post-test
Out of 15 nurses,	Out of 15 nurses,
the median score	the median score
was 66% prior to	was 100% post
education.	education.





# Recommendations

- · Nurses should be provided frequent education and routine evaluations on their understanding of the common readmission causes to prevent misinformation/miscommunication during discharge.
- · Additional studies should be conducted
  - · Although we addressed a small pool of nurses, there should be a study that focuses on majority of nurses at the
  - · There should be a study that evaluates the effectiveness during discharge and the readmission rates

#### **Education Plan**

Facility: Cincinnati Children's Hospital Medical Center- Liberty Campus

Presented to: Registered Nurses on LA4-2

**Purpose:** To educate the nurses on common asthma triggers, risk factors for readmission, and how to avoid triggers. Giving the nurses this education allows them to have the knowledge to help reinforce patient/ parent teaching for new onset asthma patients.

# **Learning Objectives:**

- 1. Attendees will be able to list 5 common asthma triggers.
- 2. Attendees will be able to identify 3 most common reasons for readmission of asthma patients.
- 3. Attendees will be able to write the steps in treating an acute asthma attack.

#### Implementation

#### Target audience/ Location:

- 3/25/2021 at 0900
- · Registered Pediatric Nurses
- LA4-2 Nurses Station

- Fifteen-minute presentation using a trifold with the evidence-based asthmatic facts
  - Questions utilized during teaching are as follows:
    - (1) List 5 common asthma triggers.
    - (2) Fill in the blank with the three most common reasons for readmission among asthmatic
    - (3) List the steps that a parent should take if their child has an acute asthma attack.
- · 15 registered nurses in a 30 -minute time period

## Survey

- · Testing method used: recall method
- · Three questions asked prior to education
- · Same questions asked post education

#### **Current Evidence**

#### We included 16 references in our research.

- "The hospital-wide standardization of a pediatric asthma CPG across hospital units can safely reduce overall hospital resource intensity by reducing LOS, admissions, ICU services, and charges" (Johnson et al., 2017)
- · "Asthma-related emergency revisit is common after hospitalization, with more than 40% of children returning within 12 months." (Johnson et al., 2017)
- "The only single-component significantly associated with a lower rate of readmission at 3 months was having comprehensive content of education." (Parik et al., 2018)

#### Literature search

Databases: CINAHL, PubMed, and UC Libraries

Keywords: Pediatric, Readmissions, asthma,

Discharge, Exacerbation

Article year range: 2014- 2020

### References

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