Go green with asthma: Using an electronic health record (EHR) to maximize compliance of discharge education

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Purpose
The purpose of this presentation is to utilize a standardized electronic discharge process created by registered nurses and other health care providers to improve practice and increase compliance for asthma discharge education.

Learning Objective
The learner will apply new process integrated in electronic health record (EHR) that will produce an increase in asthma discharge education.

Background
Asthma is the most chronic respiratory illness in the United States of America, it affects 12.7% of children younger than 18 years of age, 12.8 million missed school days, and as a nation 14 billion dollars are spent on caring for individuals with asthma (Wood & Bolyard, 2011).

According to The Joint Commission regulatory standards, all patients admitted to an in-patient setting require proper education in the form of an Asthma Home Management Plan prior to discharge.

Methods
An educational lecture was offered by the unit’s clinical educator to residents, attending physicians, and nursing staff enhancing knowledge of The Joint Commission’s recommendation of Asthma’s Home Management Plan of three core measures:
1) Use of bronchodilator
2) Use of systemic corticosteroids
3) Home management care plan

The plan addresses arrangements for follow-up care, trigger controls, method and timing of rescue actions and use of controller/reliever medications.

Interdepartmental Collaboration
Nursing Collaboration with Quality, Safety, and Innovations Department (QSI) to improve Children's Asthma Quality Measures compliance.

Rounding
QSI staff conducted daily rounds to inform each unit of patient’s displayed on the QSI dashboard.

Nursing Unit Leadership Strategies
Clinical educator and unit nursing director worked and met with QSI daily to improve compliance.

• Information was dispersed hospital wide through Nursing Grand rounds

• Nursing Asthma Discharge Checklist were created for all nurses

• Asthma Discharge Plan created with IT analyst (See sample)

• Spanish Translation was created to ensure proper communication and reduce language barriers. (See diagram)

• Asthma Discharge S.O.A.R Checklist (See diagram)

Asthma Action Plan now in Spanish!

When you go to Explorer Menu, now you can choose English or Spanish Version.

Please remember to use for Spanish speaking families to further enhance compliance to treatment.

Results
The Outcome on implementing these methods was increased compliance rate of discharge education by 12% from 2011-2013.

Acknowledgements
3 East Nurses
Lourdes Lopez-Fernandes, MSN, RN-BC, CPN
Laura M. Hernandez, DNP, ARNP, CPN, FNP-C
Jennifer Cordo, MSN, ARNP, FNP-BC
Valeria Ronda, BSN, RN, CPN
Nicklaus Children’s Asthma Center
Nicklaus Children’s Quality, Safety & Innovation Department

References