



Asthma Collaborative

GOLISANO
CHILDREN'S HOSPITAL

Background: The National Heart Lung and Blood Institute (NHLBI) released the *Expert Panel Report 3 (EPR3): Guidelines for the Diagnosis and Management of Asthma* in 2007. These updated guidelines focused on four key areas: (1) assessment and monitoring, (2) patient education, (3) control of environmental factors and other conditions that can affect asthma, and (4) medications. Expanded recommendations for children were also included in this report.

Initiative: Utilize a collaborative approach to asthma care by implementing synergistic, evidence-based practices across 3 key clinical areas:

Pediatric Emergency Department (ED)

- ☆ Develop and implement a standardized asthma order set that includes the Asthma Control Test (ACT).
- ☆ Prescribe controller medications on discharge from the Pediatric ED when clinically appropriate.
- ☆ Implement a fax notification process to promote timely outpatient follow-up.

Pediatric Inpatient Units

- ☆ Develop and implement a standardized asthma admission order set
- ☆ Provide patient education using the *GetWell:|Network*
- ☆ Increase referrals to community agencies including the Regional Community Asthma Network (RCAN).

AC-6 Pediatric Outpatient Clinic

- ☆ Implement a new notification process within the electronic medical record system to ensure outpatient follow-up within 14 days.

Goals:

1. Reduce visits to the Pediatric ED for asthma by 10%.
2. Reduce inpatient admissions for asthma by 10%.
3. Maintain follow-up appointments within 14 days from the Pediatric ED to the AC-6 Clinic for asthma.

Outcome: The collaborative efforts helped achieve:

- ☆ Reduction in Pediatric ED visits for asthma by 13.4% with increased use of the ACT.
- ☆ Reduction in inpatient admissions for asthma by 27.1%.
- ☆ Consistent asthma follow-up from the Pediatric ED to the AC-6 Clinic within 14 days.



