

Improving Asthma Action Plan Completion Rates via Utilization of Epic Best Practice Advisory

INTRODUCTION

- The goal of written asthma action plans (wAAP) is to improve asthma control
- In patients with initial poor asthma control, wAAP have been shown to improve control
- Parents perceive wAAP to be helpful for home, school and caregiver management of asthma



- Previous QI initiatives improved the percentage of wAAP within the UW Health General Pediatric and Adolescent Medicine (GPAM) group however the group rate has been dropping over time
- The wAAP are typically completed at well visits and not all patients present for well child care

PURPOSE

- Assess whether the institution of an Epic best practice advisory (BPA) could improve the percentage of UW GPAM patients with an active wAAP
- The specific aim of this quality improvement project is to increase the percentage of active written asthma action plans from 67% to 70% over the course of six months

GO	Use these daily contro	Use these daily controller medicines:		
You have all of these: • Breathing is good • No cough or wheeze • Sleep through the night • Can work & play to		HOW MUCH	HOW OFTEN/WHEN	
CAUTION	Continue with green z	Continue with green zone medicine and add:		
You have any of these: • First signs of a cold • Exposure to known trigger • Cough • Mild wheeze • Tight chest • Coughing at night		HOW MUCH	HOW OFTEN/ WHEN	
DANGER	Take these medicines	Take these medicines and call your doctor now.		
Your asthma is getting worse fas • Medicine is not helping • Breathing is hard & fast • Nose opens wide • Trouble speaking • Ribs show (in children)	ow:	HOW MUCH	HOW OFTEN/WHEN	
GET HELP FROM A DOCTOR NOW! Your doctor will want to see you right away. It's important! If you cannot contact your doctor, go directly to the emergency room. DO NOT WAIT. Make an appointment with your asthma care provider within two days of an ER visit or hospitalization.				

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CONCLUSIONS

Following the initiation of the BPA, there was an overall decrease in the percentage of UW GPAM patients with an active wAAP.

Most clinic wAAP rates decreased although there was an increase at East and Stoughton Clinics

The decrease in wAAP rates at other clinics could be secondary to some degree of "BPA fatigue" where too many of these messages are displayed, or other factors, such as physician changes and ancillary staff levels and turnover which may also have an effect on the efficacy of this intervention

FUTURE DIRECTIONS

• Explore GPAM providers' views for barriers and recommendations for improvements for active wAAPs

• Consideration of use of asthma telemedicine visits during and after the Covid era

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