



Pulmonary Allergy Personalized Asthma (PAPA) Clinic

A Department of Pediatrics Chair's Initiative

Jeff Ewig, MD (Pulmonary), Priya Patel, MD (Allergy), Maryori Canales (Social Work), Nancy Silverman, PhD (Psychiatry), Danielle Smith RN, Cindy Viscuse RN, Melissa Rojas (PAPA Coordinator), Andrea Mattie (Allergy Practice Manager), Lynsey Cecere (Project Manager), Joy Ukaigwe (Data Analyst), Brenna Aredas (Improvement Analyst)

Project Goal

Improve care for patients with Severe Asthma and "High Utilizers"

- Problematic, difficult to treat asthma
- Severe, treatment resistant asthma

Reduce Hospitalizations and ED Visits

Individualized Approach to Care

- Correct diagnosis
- Adherence issues
- Inhaler technique
- Coexisting illness
- Screen for side effects
- Assess if candidate for biologic treatment
- Screen and address psychosocial issues
- Reduce No Show rates

Performance Measures

See attached slides for reductions in Hospitalizations and ED visits:

- 68% decrease in admissions
- 59% decrease in ED visits
- 77% decrease in admissions patients referred during pandemic
- 60% decrease in ED visits patients referred during pandemic

Improved Show Rate: 80% show rate since 3/16/2021

Working with Betsy Brooks on using Healthy Planet to collect additional outcomes from individual and population level

Accomplishments

- Important Partnerships:
 - **APHW, Emergency Room Team, ICU Team:** Established pathway for PICU patients to be seen by asthma subspecialist while inpatient and outpatient
 - **Inpatient Respiratory Therapists/Asthma Educators:** Established PAPA referral criteria from high utilizer asthma patient list
 - **Healthy Planet:** Optimizing PAPA patient specific tracking
- Utilize EMR to optimize Clinic Efficiency:
 - New EPIC Multidisciplinary build with combined AVS and letter
 - Smart data elements to track information over time (in progress)
 - Asthma Health Chart to track hospitalizations, ED visits, steroids
- Optimize Appointment Scheduling Pathway – Reduce No Shows:
 - Social Work prescreening to identify barriers
 - Reminder phone call by PAPA coordinator
 - Flexibility in conversion to telemedicine visits
- New PAPA Website

Lessons Learned

- Importance of advanced planning:
 - Multiple IT support groups with different areas of expertise
 - Early planning to integrate and optimize final product
- SW and Psychologist evaluation:
 - Reframing as emotional and behavioral support
 - Option "available"
 - Motivational interviewing
- COVID impact: use of Video visit:
 - During COVID
 - To reduce NS

Next Steps

- Smart Data Elements – finalize
- Optimize Healthy Planet for PAPA
- Add PHQ4 to PAPA NP Welcome and follow up visits