

  **Jersey City Medical Center**  
  **Barnabas Health**

# **Pediatric Asthma Case Management and Home Evaluations**

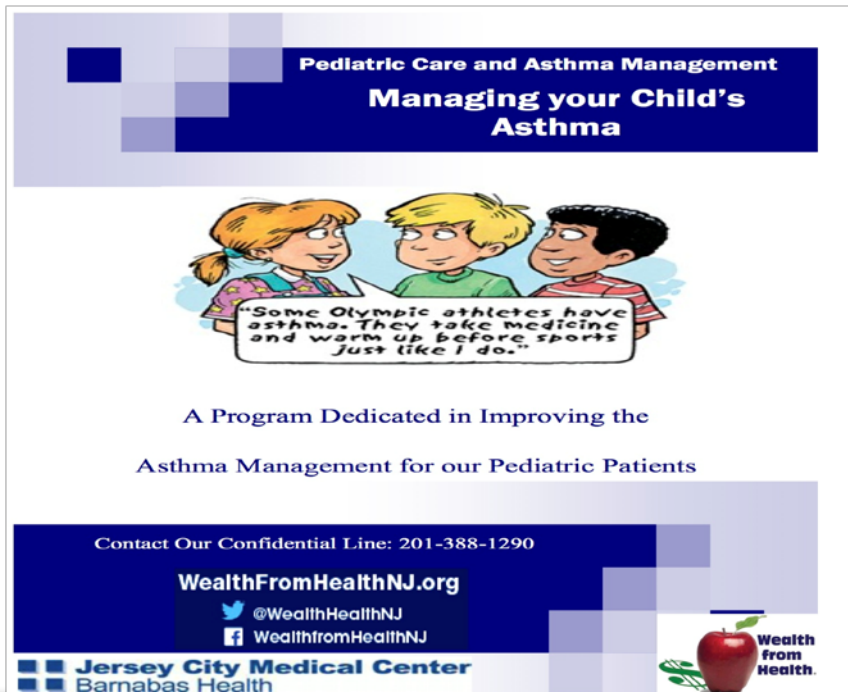
**Thursday, October 9<sup>th</sup>, 2014**

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# Pediatric Asthma Case Management (PCAM)

The Pediatric Asthma Outreach Program focuses on:

- Asthma Education
- Home Evaluation



**Pediatric Care and Asthma Management**  
**Managing your Child's Asthma**




A Program Dedicated in Improving the  
Asthma Management for our Pediatric Patients

Contact Our Confidential Line: 201-388-1290

**WealthFromHealthNJ.org**  
@WealthHealthNJ  
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# Accomplishments

- 66 members enrolled
- Outreach to all public and private schools in Jersey City
- Developing and maintaining community partnerships
- Creating an effective and appropriate educational curriculum for our members
- Establishing a relationship with families before conducting a home evaluation
- School-based Asthma essay/short video contest
- Patient- family based education

# Methodology

## Emergency Department

- Daily ED pediatric asthma report
- 30-day readmission report
- Daily inpatient census report
- 18 months retrospective review of hospital discharges

## Data Analysis

- Review and monitoring of daily reports and developing trends to develop actionable next steps

## Project Partners

- Asthma Educators visit school nurses to enroll pediatric asthma patients
- Collaboration with Jersey City Board of Education
- Identified reporting and project partners

## Asthma Educators

- Educate participants on Asthma Action Plans and environmental triggers
- Offer to do home assessment of environmental causes of asthma
- Provide patient and family education in both English & Spanish

# Membership

- Pediatric Children (0-18)
- Parents/Guardians - Caregivers
- Reward Based Program







U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES • USA

For more information, visit <http://www.cdc.gov/healthyhomes> or <http://www.surgeongeneral.gov>.



# Environmental House Call

		ROOM OR AREA													
PROBLEM		Exterior	Porch	Entryway	Living Room	Dining Room	Kitchen	Bedroom 1	Bedroom 2	Bedroom 3	Bathroom 1	Bathroom 2	Basement		
Deteriorated Paint	Walls														
	Windows, door, or trim														
	Paint chips on floor														
Soil with no Grass or Mulch															
Cockroaches															
Rodents															
Holes in Wall															
Mold/Mildew	Obvious source of moisture														
	No obvious source of moisture														
Water Damage: walls wet/newly stained															
Strong Musty Smell															
Natural Gas/Sewer Gas Smell															
Unvented gas Oven/Dryer/Heater															
Worn-out Carpeting															
Other:															
Other:															
Other:															
Other:															
Other:															

CEHRC: Community Environmental Health Resource Center (Revised 3/04)



### ENVIRONMENATAL HOUSECALL CHECKLIST 3

ITEM		CHECK OFF/ NOTES
<b>Booklets/ Written Information to Leave With Resident</b>		
WfH Member Education as Appropriate		
<b>Demonstration Materials</b>	<b>Recommended Readings</b>	<b>Actual Readings</b>
Pulse Co-Oximeter	Carboxyhemoglobin Level/ Methemoglobin Level	
%SpO2	Optimal Reading Range 95 – 100%	
	Alert Range – Below 89%	
Perfusion Index (PI) <.02% to >20%	Optimal Reading – 0%	
	Alert Range – Above 8%	
Pulse Rate (PR)	Optimal Reading Range 60 – 100bpm	
	Alert Range – Below 60bpm & Above 100bpm	
Room Temperature		
Relative Humidity	Optimal Reading Range 30 – 50% <sup>1</sup>	
Bacharach Monoxor II	Alert Range – Above 35ppm	
Mattress Cover/Pillow Case		
Anti-Allergen Spray		
Dust Mite Laundry Additive		
<b>Additional Resources</b>		
Peak Flow Meter	Alert Range – Below Green Zone	

All Alert Range Readings should be reviewed by a clinical professional within 24 hours of original reading.

# Challenges

- Identifying I.T. systems to report appropriately required universal measures
- Missed appointments
- Establishing convenient access to pediatric pulmonologist
- Establishing a curriculum that would work for appropriate ages (0-18)
- Establishing relationships with private school nurses
- Assuring consistent documentation in different care settings

# Project Outcomes

- Asthma Questionnaires
- Asthma Treatment Plans
- Discharge Plans
- Reduce Pediatric ED Visits/ Admissions for Asthma
- Reduce Asthma Symptom Days
- Reduced Missed School Days/ Work Days for Parents
- Increase Home Evaluations/ Healthy Homes