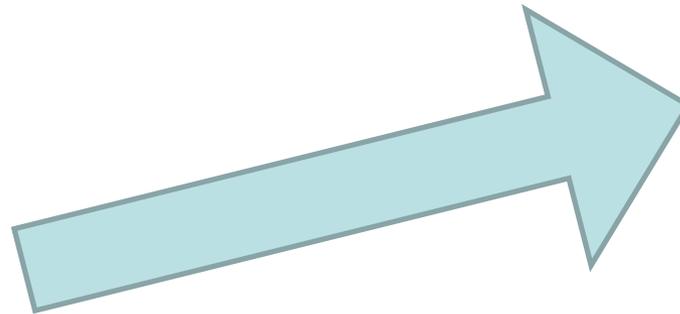


# Pediatric Asthma Case Management and *Home Evaluation Program*

## PCAM

Jersey City Medical Center – Barnabas Health



# PCAM Activity Report

## Quick Stats

As of September 30, 2015

### – 213 children enrolled

- DSRIP Goal: 200 December 31<sup>st</sup> 2015
  - Note: additional household asthmatic adults enrolled in Wealth from Health® outside of DSRIP
  - Total of 395 Attributed Patients enrolled

### – 20 Home Evaluations completed

1. Home Evaluation for environmental triggers in: Living Room, Bedroom, Bathroom, Kitchen, and Dining room
2. Checks for: Pulse O<sub>x</sub> level, heart rate, CO<sub>2</sub> level in home, Humidity and temperature levels, mold/mildew, and CO<sub>2</sub> and fire alarms detectors
3. Some items that have been provided: Asthma Action Plan, mattress covers, pillowcases, and allergen sprays

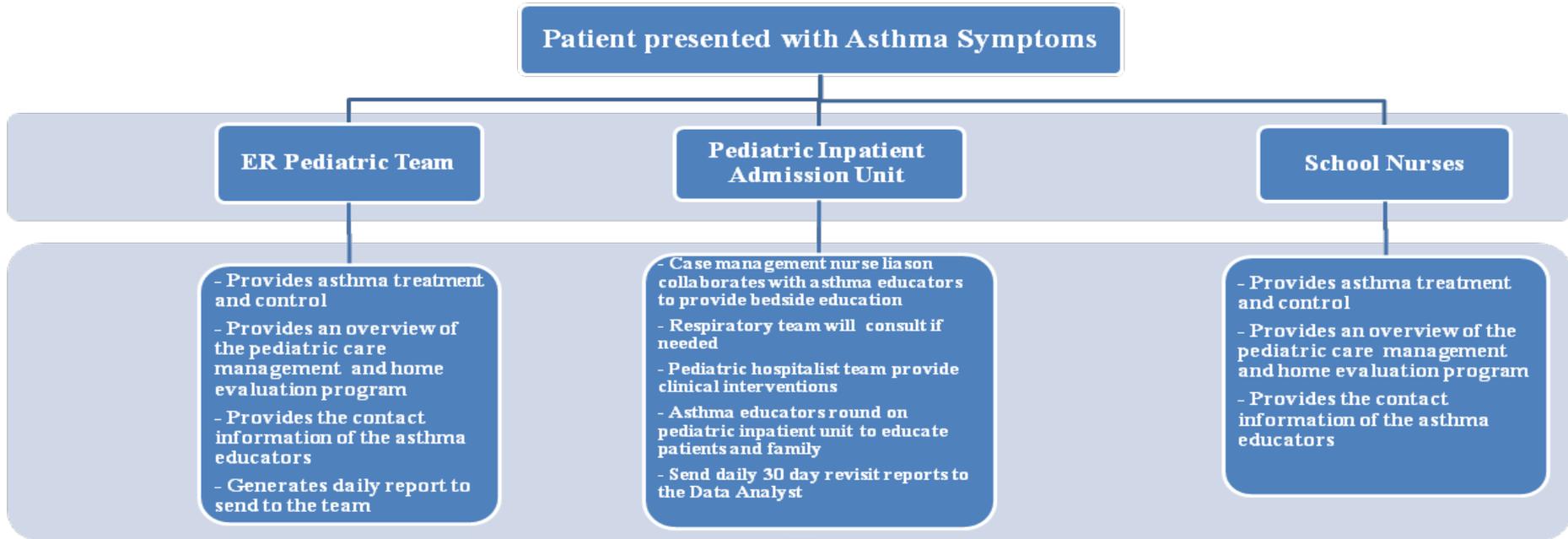
# PCAM Activity Report

## Quick Stats

As of September 30, 2015

- School Outreach
  - 100+ School Nurse Relationships
  - Collaboration with Jersey City and Bayonne public schools and private schools
  - 30+ Outreach events in the schools
  - 20+ Back to School Events/ PTO Meeting
  - Program Redesign (30+)
- Documentation review required for consistency across partners
  - Asthma Control Test
  - Asthma Action Plan

# Full Implementation of Program Cycle Development



Services to be offered post-enrollment

Establish Initial home visit:	Program Education:	Complete Home Evaluation: Environmental House Call™	Monthly Patient and Family Support Groups:
<ul style="list-style-type: none"> <li>Institute program requirements- Pt. Consent form and educational materials</li> <li>Complete Asthma Control Test</li> <li>Develop Asthma Action Plan</li> <li>PCAM Survey Completed</li> <li>Medication Reconciliation</li> </ul>	<ul style="list-style-type: none"> <li>Emmi patient videos</li> <li>Teach back session</li> <li>Appropriate use of MDI</li> <li>Provide Vendors List</li> <li>Program picture ID</li> <li>Asthma medication education</li> <li>PCP/ Sub-specialist communication</li> </ul>	<ul style="list-style-type: none"> <li>Home Evaluation for environmental triggers in: Living Room, Bedroom, Bathroom, Kitchen, and Dining room</li> <li>Checks for: Pulse O<sub>x</sub> level, heart rate, CO<sub>2</sub> level in home, Humidity and temperature levels. mold/mildew, and CO<sub>2</sub> and fire alarms detectors</li> <li>Educate patient and family on the 7 principles of health homes and how to use supplies</li> <li>Provides: Asthma Action Plan, mattress covers, pillowcases, and allergen sprays.</li> </ul>	<ul style="list-style-type: none"> <li>Provide education session</li> <li>Program education</li> <li>Guest speaker presentation</li> <li>Counseling session</li> <li>Blood pressure screening</li> <li>Environmental triggers</li> <li>Community resources</li> <li>Lunch and Learn at FQHCs</li> </ul>

# PCAM Attribution List

## Medicaid Population

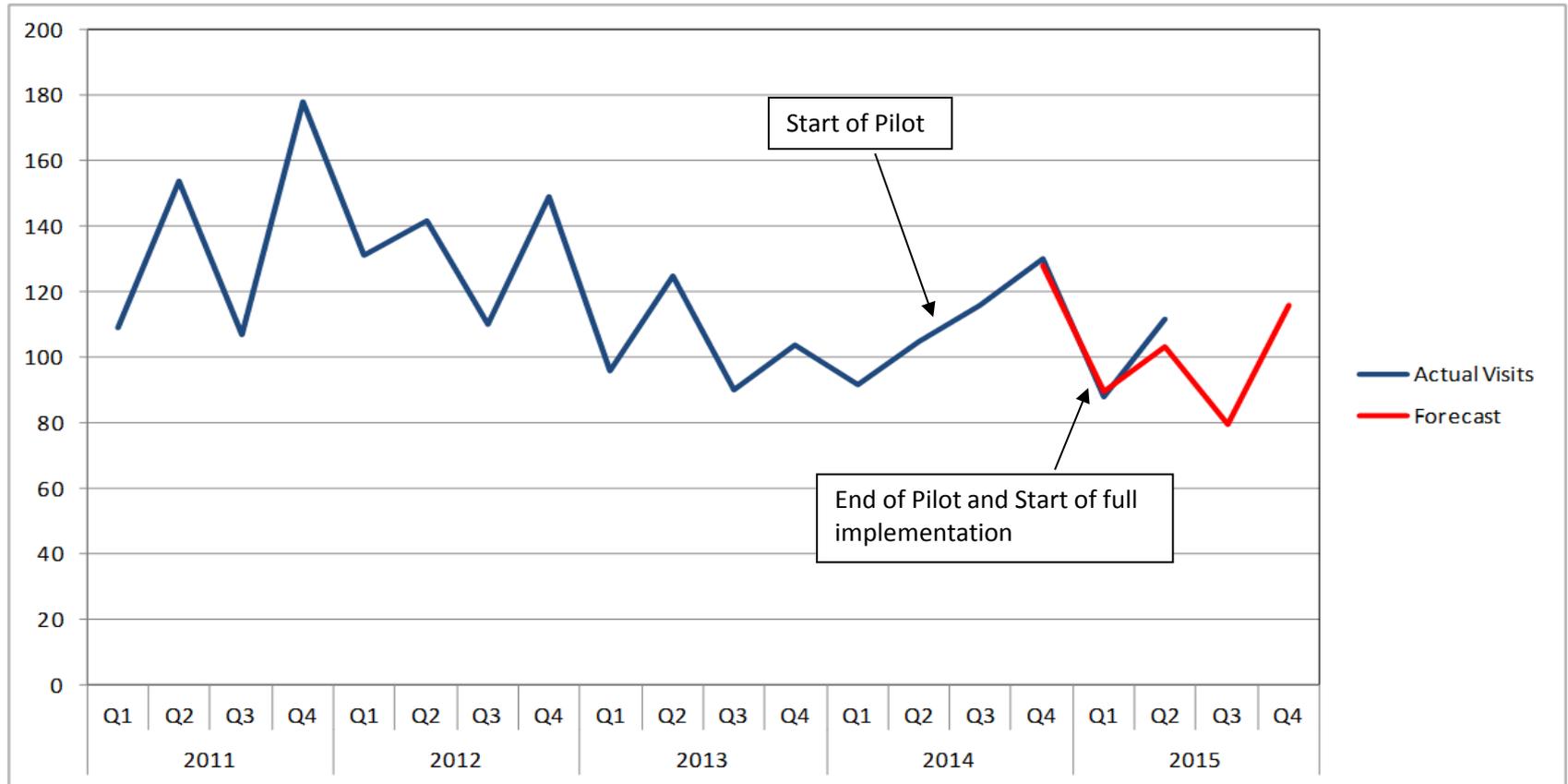
- Attributed a total of 20,209
  - Matched 14,968 to the hospital
  - 890 have had a **Behavior Health** related diagnosis
  - 130 have HIV- To be linked with **CCC Program**
  - 80 have expired
  - 39 have been reported as homeless- To be linked with **MASSH Program**

## Charity Care Population

- Attributed a total of 9,803
  - Matched 9,647 to the hospital
  - 450 have HIV- To be linked with **CCC Program**
  - 153 have been reported as homeless- To be linked with **MASSH Program**
  - 146 have had a **Behavior Health** related diagnosis
  - 55 have expired

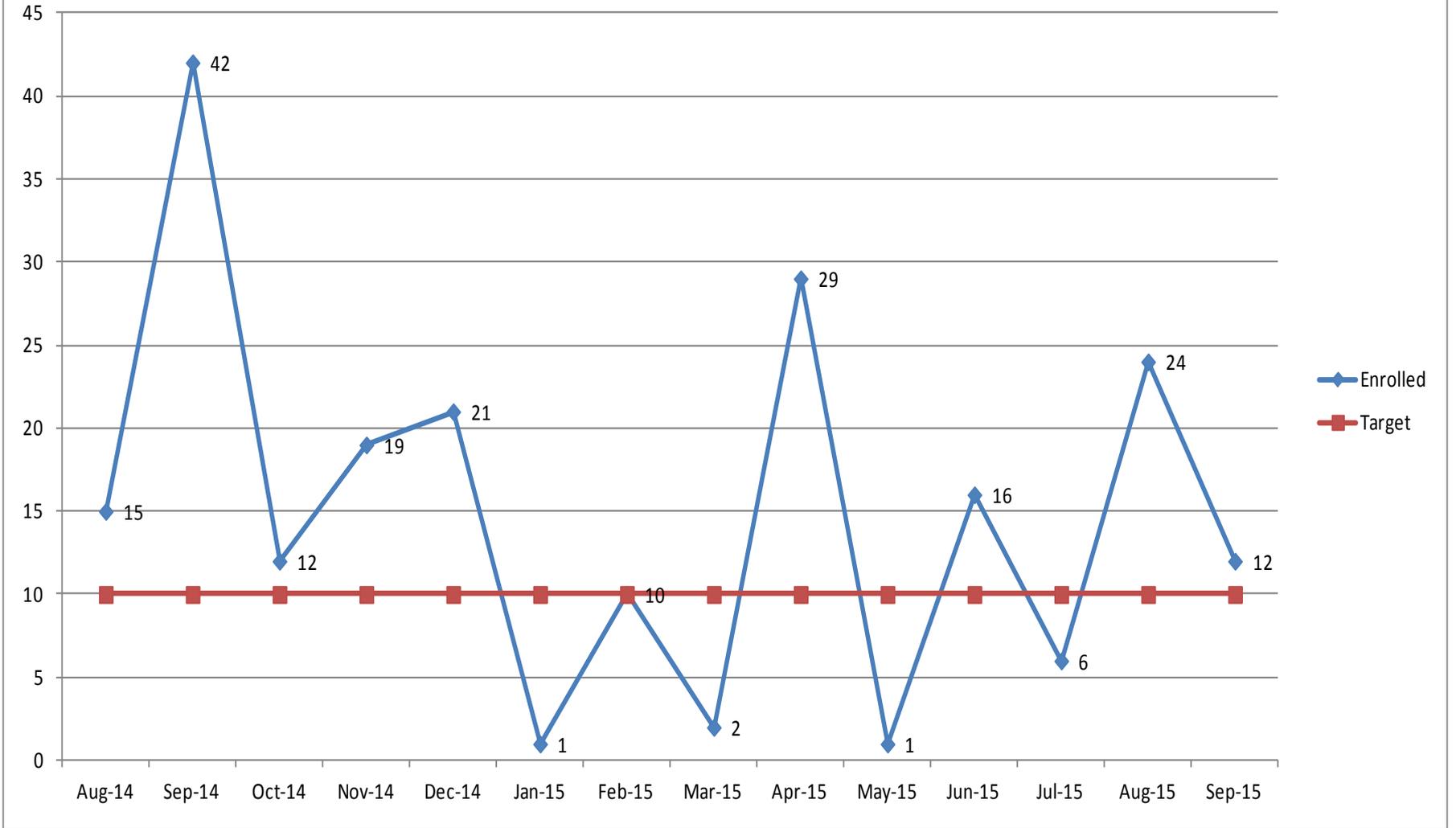
Wealth from Health® and DSRIP Program have 395 attributed programs enrolled into the program

# DSRIP Trend and Forecast



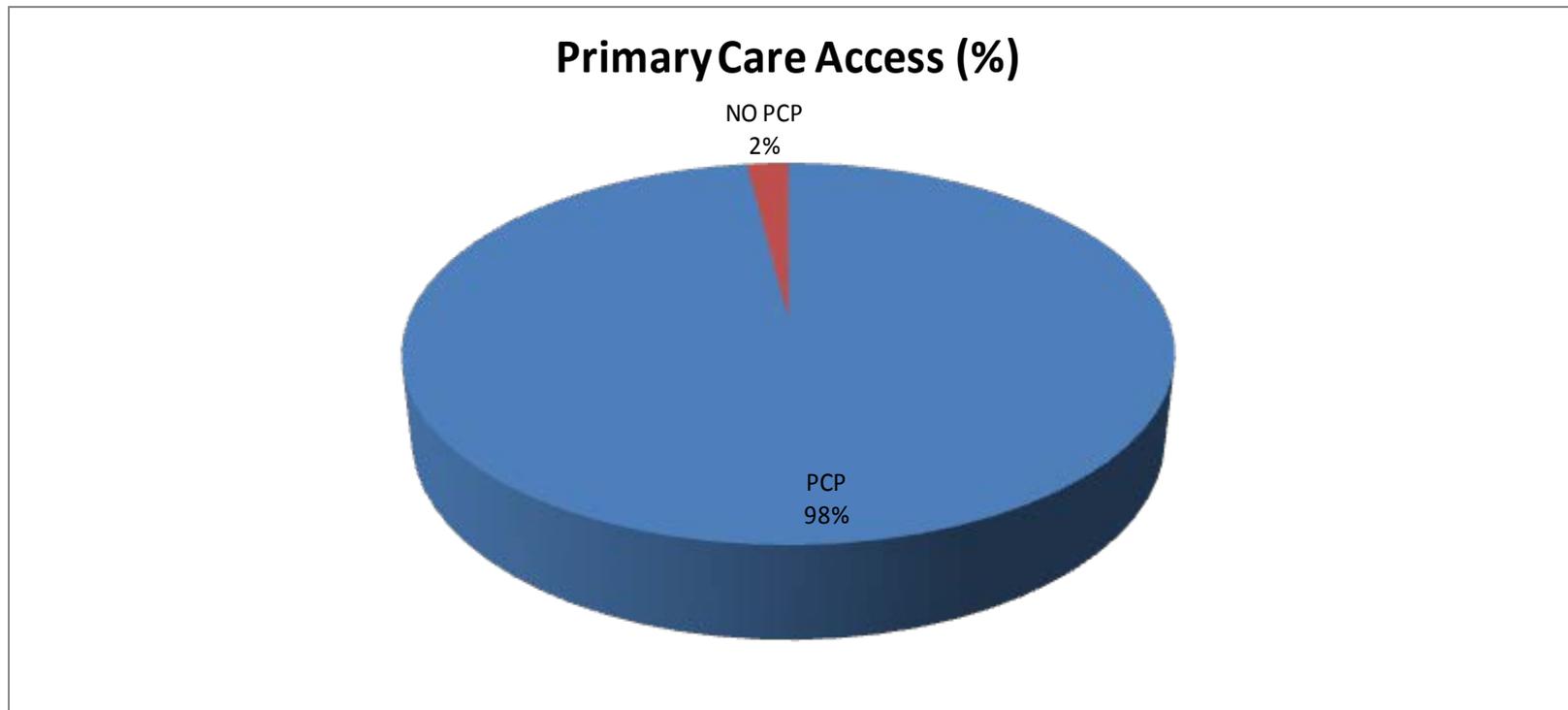
Actual Emergency Room Visits and expected Emergency Room Visits for Primary Asthma Diagnosis (Pediatrics)  
Trend. First forecasted from Q2 of 2014

# DSRIP Enrollment

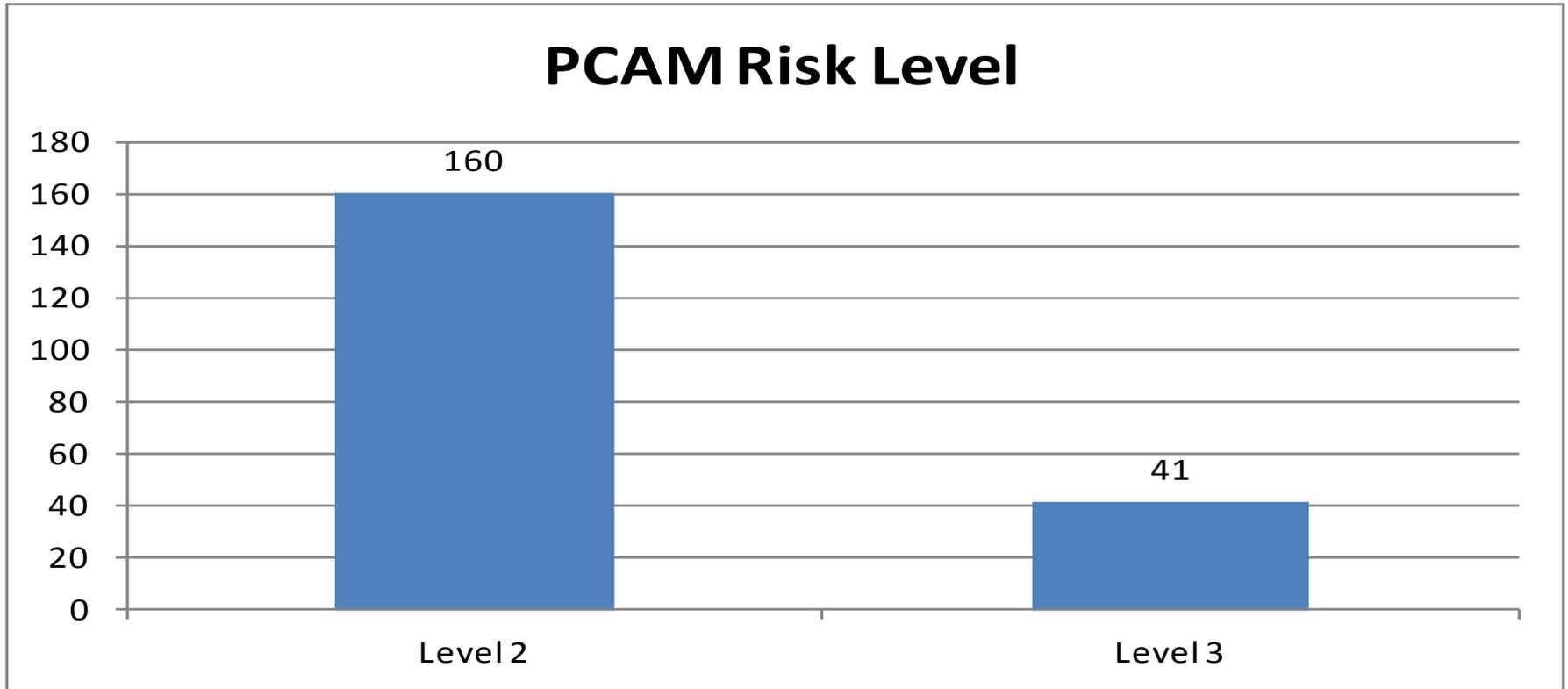


# Enrolled Participants with Identified Primary Care \*Access

\* Access  $\neq$  Visit



# Risk Stratification of Enrolled Participants in PCAM Program



*Stratification tool – in terms of potential resource utilization*

Levels 1-2 generally considered “low utilizers”

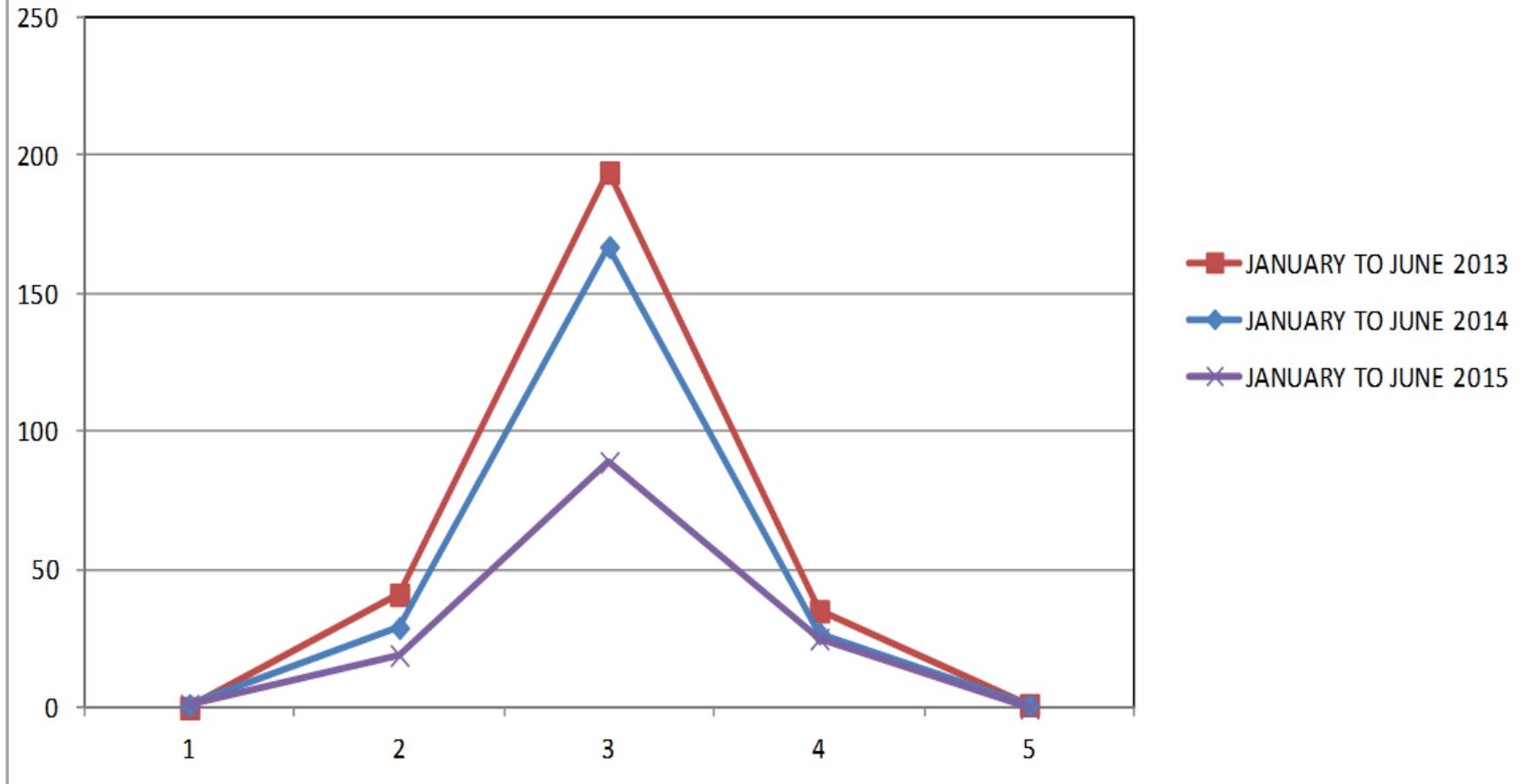
Levels 3-4 is the rising risk; “moderate utilizers”

Levels 5-6 are considered “high utilizers”

# Asthma Control Test

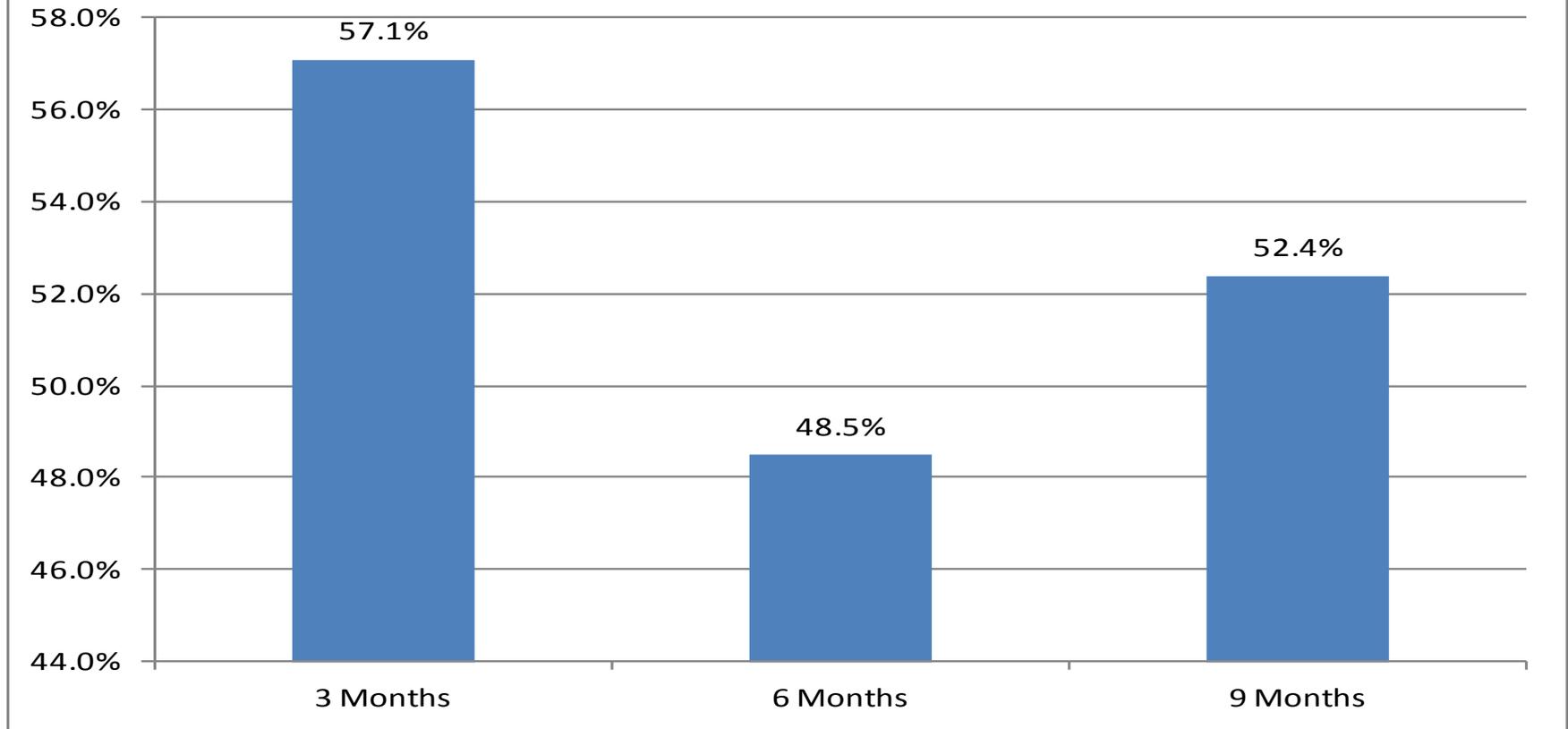
- The Asthma Control Test is a way to determine if participant's asthma symptoms are well controlled
- Assessment is made every six months by an Asthma Educator
- First Asthma Control
  - Any score under 19 is considered to be poorly managed
    - For those between the ages of 0-11 the average pre score was ~19.5 (n=102)
    - For those between the ages of 0-11 the average second score was ~23.2 (n=29)
    - For those 12 and above, the average pre score was ~18.7 (n= 38)
    - For those 12 and above, the average second score was ~21.9 (n= 15)

# Pediatric Asthma Acuity Level



There is a replicable normal distribution in terms of acuity for 2013, 2014, and 2015. A level “1” represents the highest severity and a level “5” represents the lowest severity

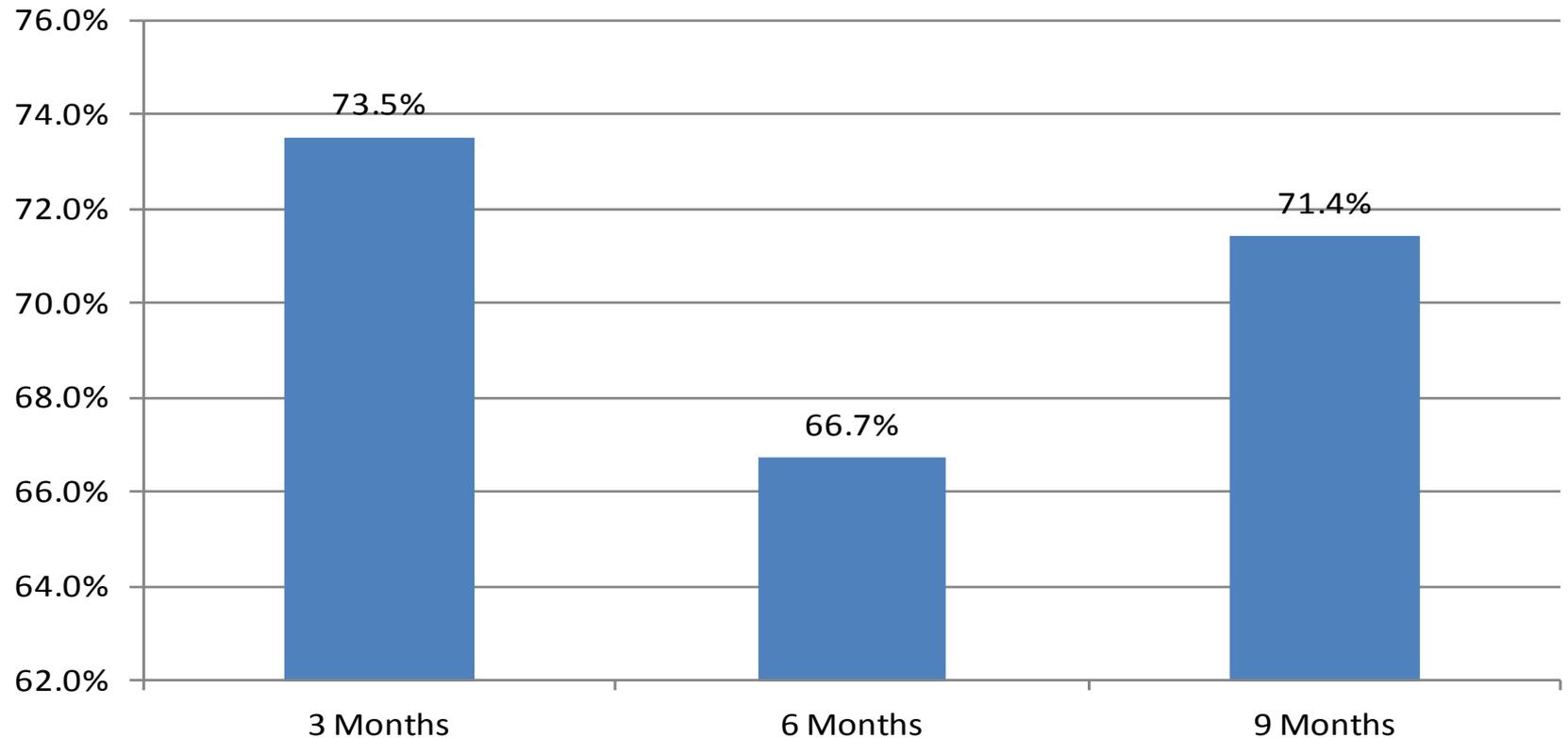
## Percentage of Enrolled Participants who did not Experience Asthmatic Symptoms in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher% is Better

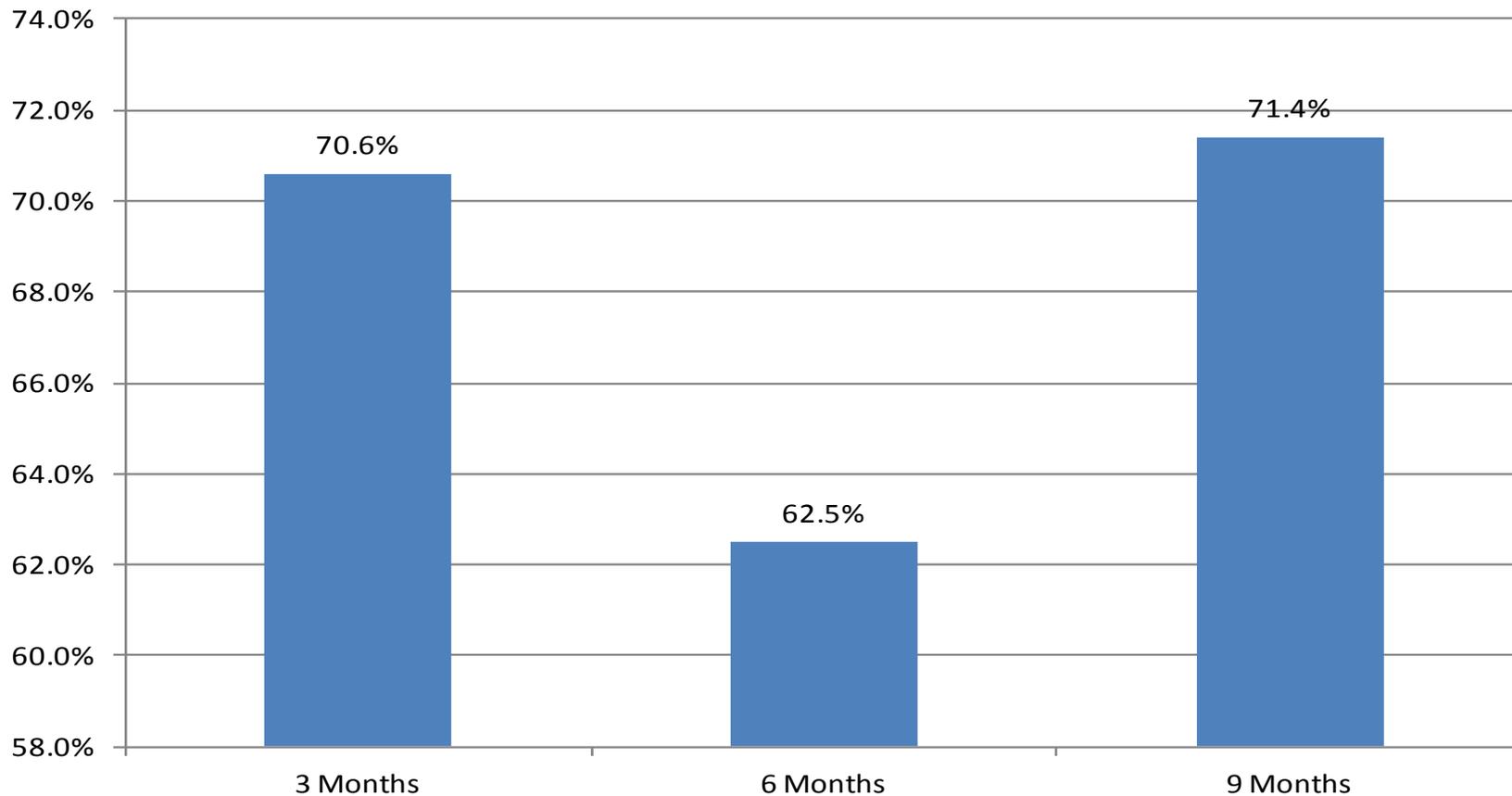
## Percentage of Enrolled Participants who did not Wake up in the Middle of the Night due to Asthmatic Episodes in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher% is Better

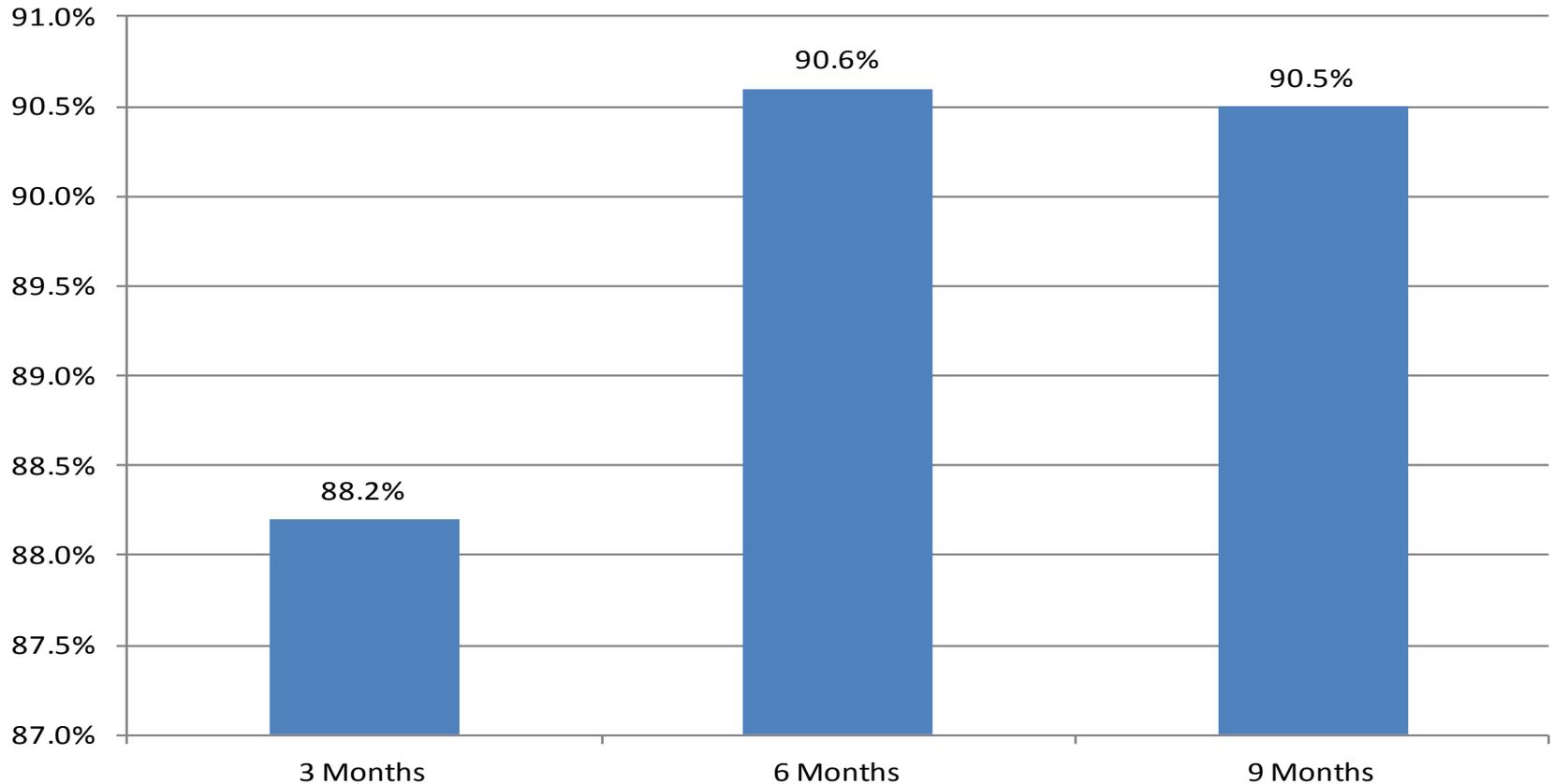
## Percentage of Enrolled Participants who did not Utilize Albuterol neb., Albuterol MDI, Xopenex for more than 2 Days in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher % is Better

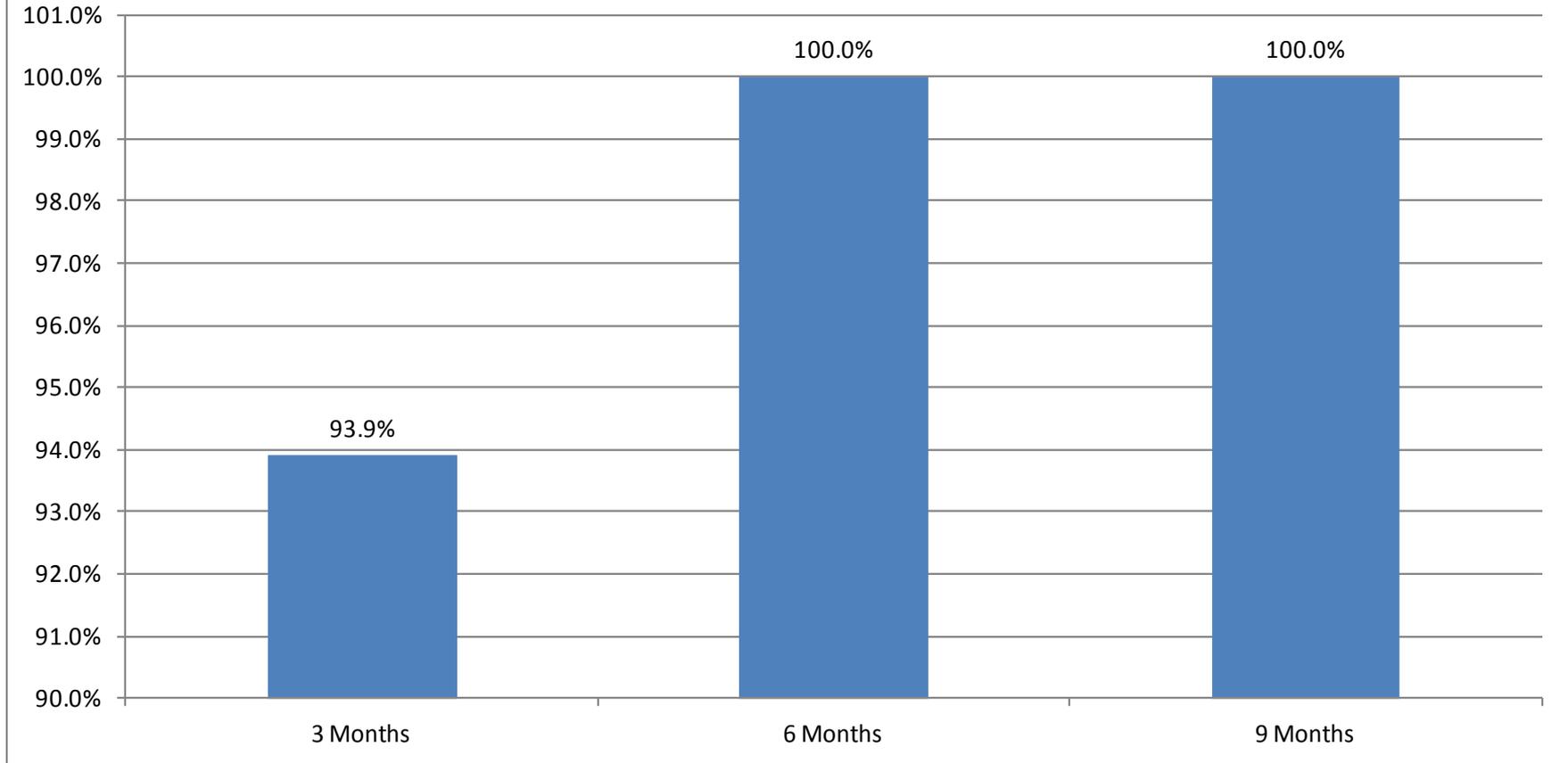
## Percentage of Enrolled Participants who did not Visit the ER with an Asthma Related Diagnosis in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher % is Better

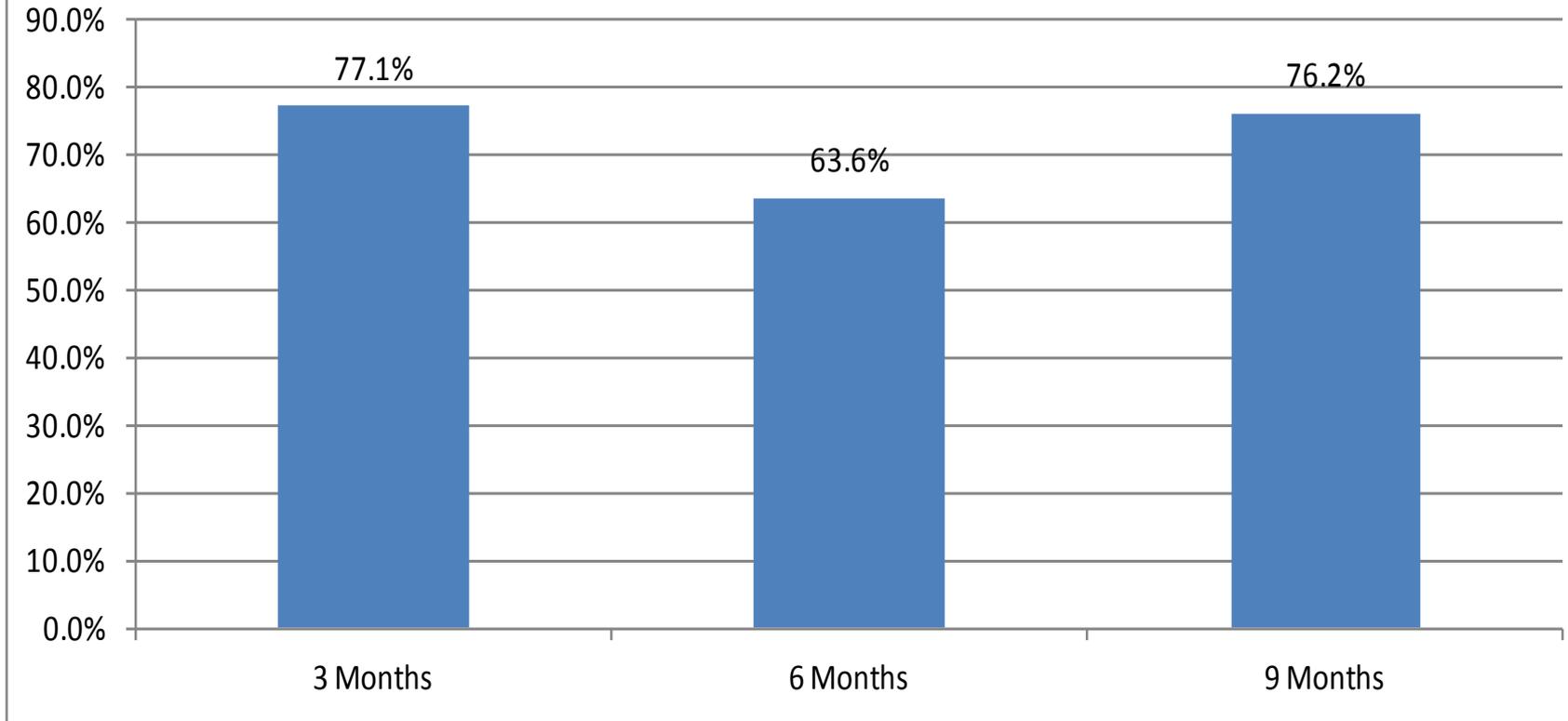
## Percentage of Enrolled Participants who was not Admitted with an Asthma Related Diagnosis in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher % is Better

## Percentage of Enrolled Participants who did not Miss a Day of School due to Asthmatic Episodes in the Past Month



3 Months(n=35), 6 Months(n=33), 9 Months (n=21)

Higher % is Better

# Asthma Satisfaction Survey

## Pre-enrollment

### Asthma Survey Pre-enrollment (n= 151)

- The average belief of the sample size were:
  - 73.5% agree that the hospital is the best place to go for asthma
  - 62.8% agree that they have a good understanding of Asthma
  - 51.0% agree that asthma has made them miss school
  - 83.9% agree that the healthcare provider has helped them control their asthma
  - 89.9% agree that they are interested in this program.

# Post Satisfaction Survey

1= Strongly disagree 2= Disagree 3= Neutral 4= Agree 5= Strongly Agree

Before Joining the Program					Statements	After being in the program for more than 6 Months				
1	2	3	4	5	I received clear information in order to take care of my Asthma at home	1	2	3	4	5
1	2	3	4	5	I know who to contact when I have a question about my asthma	1	2	3	4	5
1	2	3	4	5	The staff members were friendly and helpful to me	1	2	3	4	5
1	2	3	4	5	I was satisfied with the service that I received today	1	2	3	4	5
1	2	3	4	5	I would recommend this program to my friends and family who have asthma	1	2	3	4	5

# Asthma Survey Pre Versus Post Enrollment

## Asthma Survey Pre and Post-enrollment (n=41)

- The average belief of the sample size were Pre Enrollment:
  - 47.5% agree that the hospital is the best place to go for asthma
  - 50.0% agree that they have a good understanding of Asthma
  - 82.5% agree that asthma has made them miss school
  - 82.5% agree that the healthcare provider has helped them control their asthma
  - 82.5 % agree that they are interested in this program.
- The average belief of the sample size were Post Enrollment:
  - 100.0% agree that the hospital is the best place to go for asthma
  - 100.0% agree that they have a good understanding of Asthma
  - 100.0% agree that asthma has made them miss school
  - 100.0% agree that the healthcare provider has helped them control their asthma
  - 100.0% agree that they are interested in this program.

Wealth from Health®

# Back to School Health Fair



**Location:** 360 Martin Luther King Drive *(Parking Lot)*  
Jersey City, NJ 07305

**Date:** August 28, 2015

**Time:** 12:00pm- 4:00pm

- **Free Health Screenings**
- **Education**
- **Giveaways**

For more information or questions please call:  
**201.388.1290**



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

*Life is better healthy.*

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

J E R S E Y C I T Y P U B L I C S C H O O L S

I LOVE JERSEY CITY  
PUBLIC SCHOOLS  
**BACK TO SCHOOL  
FESTIVAL**

**KIDS  
EAT FREE!**  
**FUN  
ACTIVITIES!**  
**MEET YOUR  
PUBLIC SCHOOLS!**

**FACE PAINTING  
ENTERTAINMENT**



**SATURDAY, SEPTEMBER 19, 2015**  
**1 TO 4 P.M. AT LIBERTY STATE PARK**  
**NORTH COVE FIELD, NEAR OLD RAILROAD STATION**  
**ALL JERSEY CITY PUBLIC SCHOOL STUDENTS AND FAMILIES  
ARE INVITED TO ATTEND THIS FREE EVENT!**  
**FOR MORE INFORMATION, PLEASE CALL 201.915.6111  
OR VISIT OUR WEBSITE AT WWW.JCBOE.ORG**  
**CONTINUOUS TRANSPORTATION WILL BE AVAILABLE FROM  
PS 28, DICKINSON HS, MCNAIR ACADEMIC, FERRIS HS, PS 23  
LINCOLN HS, SNYDER HS, AND MS 40, LSP LIGHT RAIL**



Marisa M. Lyles, Ed.D.  
Superintendent of Schools

# Accomplishments

- 213 members enrolled; One of the highest services linkage rate to attribution list (395 members)
- Expanding partnership with community agencies- Head Start, Community Advisory Board, Board of Education, Rising Tidal, Hudson Milestones, etc while maintaining and improving previous community partnerships
- Translation and revision of program Brochures from English to Spanish
- Establishing a relationship with families before conducting a home evaluation
- Lunch and Learn at Federally Qualified Health Centers
- Continuous PDSA Cycles

# Accomplishments

- Asthma Education and Training provided to Hudson County School professionals
- Successful Back to School Event which provide over 35 Book bags and School supplies to community members
- Outreach to all public and some private schools in Jersey City, also have been active in Bayonne and Union City
  - Major sponsor with the Board of Education for Back to School events
- Creating an effective and appropriate educational curriculum for our members and their family

# Questions?

