

CHAPP...Making a Difference for Children with Asthma

Presenters:

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Community Health Education Department

McGaw Site Visit



Addressing Needs – Data Driven

- PA Children lifetime prevalence is 14%
 - African American Children is 27%

**Asthma in Children Fact Sheet 2010. (www.PAasthma.org)*

Data Driven

- In 1999, Crozer conducted school physicals and found students in Chester with asthma at a rate of 20%, twice the state rate of 10%.
- The Kids Asthma Management Program (K.A.M.P.) was started fourteen years ago to respond to this finding.

K.A.M.P.

Services:

- Asthma Screening.
- Referral to Lung Function Testing.
- **Group Education for students, parents and school/daycare staff.**
- Distribution of Asthma Action Plan Forms.
- Facilitate Partnership between families, school nurses, healthcare providers and others in asthma management.
- **Asthma Day Camp**, Asthma Awareness Days, Community Awareness.

Collaboration: Chester Environmental Partnership (CEP) & Crozer

- 2010 Create the Chester Home Asthma Prevention Program (C.H.A.P.P.)
- Community Engagement – Advisory Board oversees C.H.A.P.P.
- **C.H.A.P.P. coordinates remediation of indoor/outdoor allergens and irritants**
- Expands K.A.M.P. into Home-Based Services

C.H.A.P.P. – Outreach to Families

- Asthmatic children ages 0-17.
- Lesson plans are conducted over 4 visits (the intervention).
- **Peer counselors instruct families about ways to reduce indoor asthma triggers utilizing the *EPA Asthma Home Environment Checklist*.**
- **Community Block Clean-Ups reduce outdoor triggers and helps residents reduce clutter that harbors triggers like dust mites, rodents and cockroaches. (CEP)**

Community Outreach

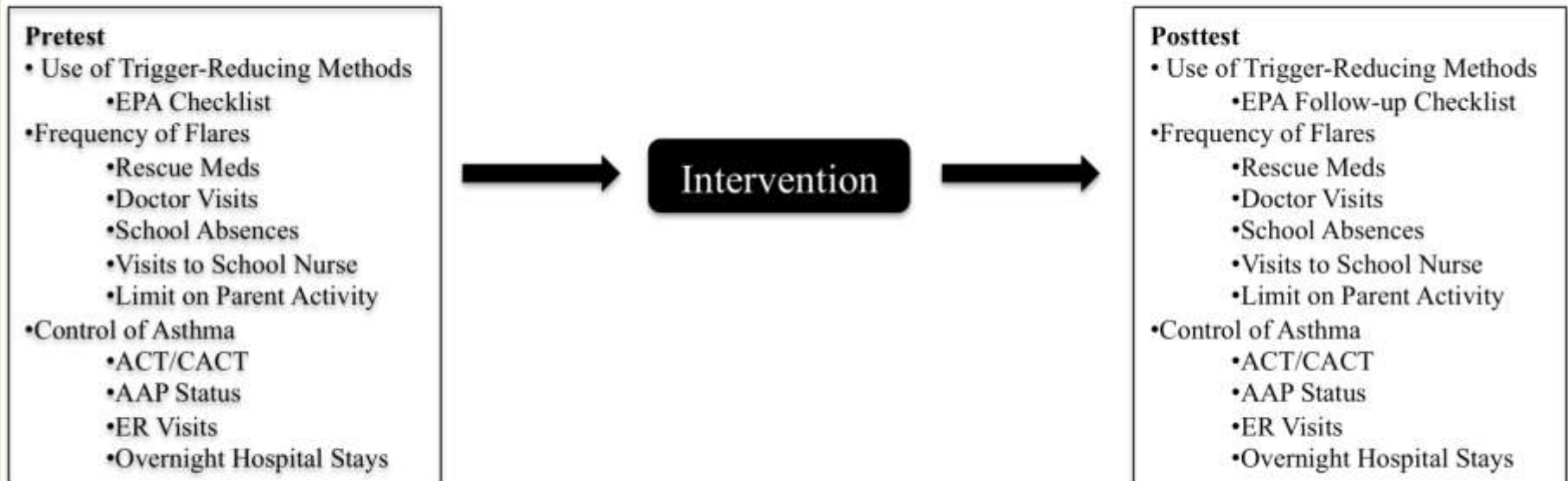
- Participants are recruited by KAMP through:
 - community events
 - outreach to families identified from monthly Emergency Room listings & referrals from school nurses, physicians and other providers.

C.H.A.P.P.

- **Families receive asthma-friendly environmental home kits.**
- Kits contain such items as allergen-proof mattress/pillow encasings, non-toxic cleaning supplies and baits for pests.
- **Reinforce key messages on proper use of asthma medicines/devices such as inhalers with spacers.**
- Facilitate Asthma Action Plans (**AAPs**).

Evaluation Design – Swarthmore College

Figure 1: Basic Theoretical Model



Notes: This flowchart outlines the basic set-up of our study. The two white boxes list the target asthma conditions of our study and the data we use to measure those conditions.

Results

- Results showed that the program:
 - improved ACT and CACT scores, reduced the number of emergency room visits and school absenteeism, and decreased the amount of times children need to use rescue medications.
- The program was especially effective for participants who began with severe asthma symptoms.

Opportunities for Future Programs

- Continue Connectivity via Pediatric Asthma Task Force of Delaware County (PATF) – Convener/Staff Support
- Key Stakeholders include: Insurance Co.'s, clinicians, parents of asthmatic children, school nurses, local & state government, universities, EPA and others.
- Co-sponsor the Asthma Educators Institute with PA. Asthma Partnership October 2013
- January 2014 – Medicaid Reimbursement for Preventive Services by CHW's Ordered by Physicians/Licensed Practitioners

Peer Counselor Perspective

**John Johnson: Chester Resident & CEP Community Activist
Supports Role as Crozer Peer Counselor, Community Health
Liaison**

As A CEP Volunteer:

- Disseminate information to the community around environmental issues.
- Collaborate with industrial facilities/ businesses, government entities, academia, various community organizations and residents.
- Participate in Group Problem Solving - Crozer Community Health (Williams, Shani, Johnson) - CEP Board Members.

Peer Counselor Perspective

- Crozer supported His Representing of CEP at the National Brownfields 2013 Conference held in Atlanta Georgia.
- Humbling to discover that the environmental justice work pioneered by CEP is recognized around the country as being on the cutting edge.
- Invited to give a presentation on the conference to our city government.



Peer Counselor Perspective

CHAPP Peer Counselor:

- Working with families in CHAPP was like Being an Ambassador – Establish Trust, Building Relationship.
- Being a Chester Resident Allowed the Sharing of Similar Experiences, Establish Rapport.
- Education and Supplies Empowered Families to Make Changes that Gave Positive Results with Child's Asthma – They Believed Us and Told Others.
- Assisted with Linkage to Other Resources/Case Examples.
 - ⑩ Provided Beds for Five asthmatic children sleeping on the floor.
 - ⑩ Restored Access to Backyard of Client with small children due to contaminated, bio-hazardous debris left by previous tenants.
- ❖ Two Words Summarize Experience: Proud and Rewarding

Natasha – CHAPP Client



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April - CHAPP Client



CHAPP...Making a Difference for Children with Asthma