



THE SAN DIEGO HEALTHY HOMES COLLABORATIVE





Lead Safety & Healthy Homes Program

- **Provide lead education and enforcement**
- **Manage San Diego Healthy Homes Program**
- **Provide technical assistance to the public**
- **Apply and manage various related grants**
- **National Healthy Homes Training Network partner and EPA Accredited RRP Trainer**



What is Healthy Homes?

Healthy Homes is a comprehensive approach to addressing disease and injury driven by scientific evidence that links substandard housing with health.

It is a holistic, coordinated approach to the mitigation of housing related hazards rather than addressing a single hazards at a time.





San Diego Healthy Homes Collaborative 2010 - 2013

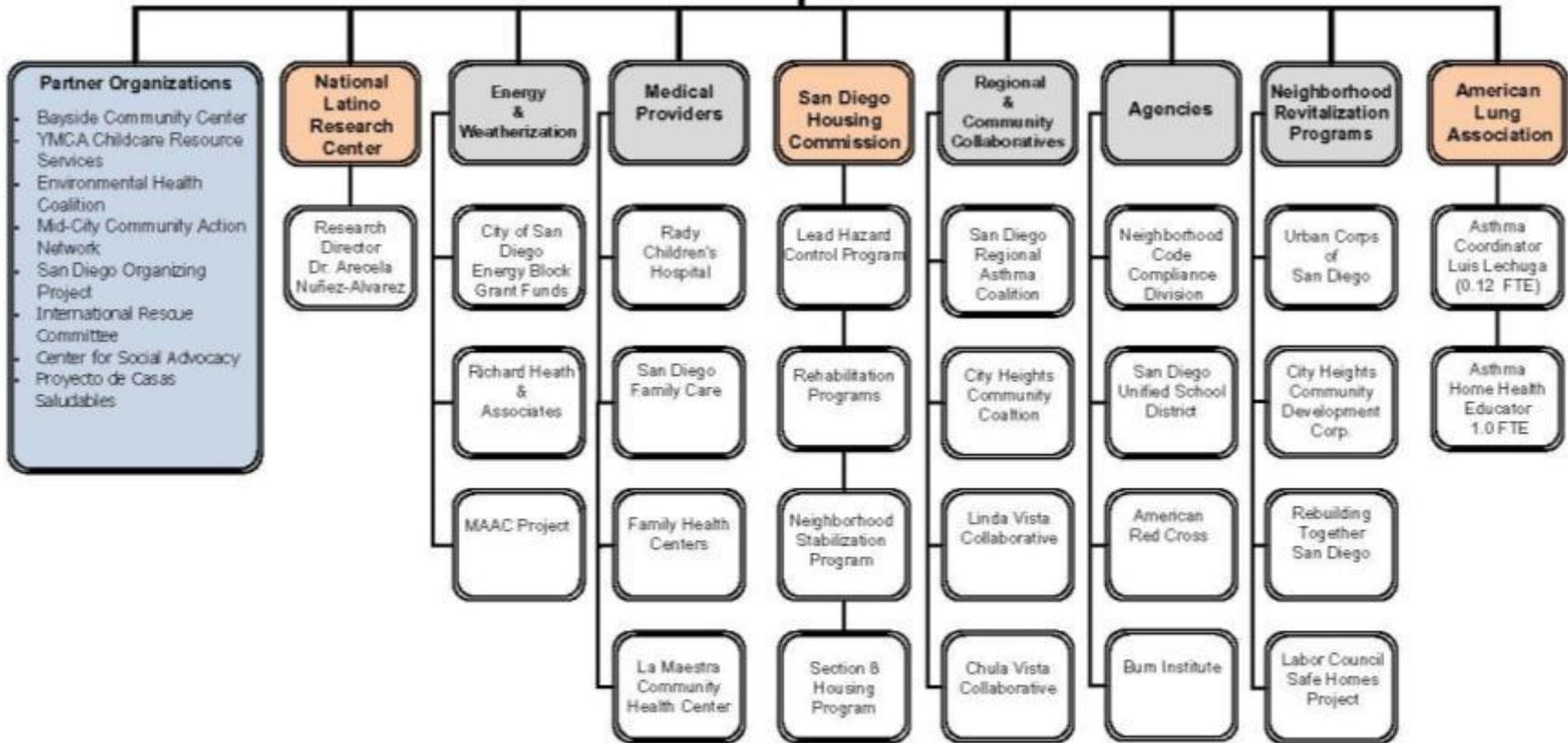
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Admin Aide I
(0.15 FTE)

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Manager
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ESD
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(0.3 FTE)





Program Overview

- **Enrollment / Eligibility**
- **Asthma / Household Interview**
- **Visual Assessment**
- **Environmental Sampling**
- **Renovations**
- **Follow-up Assessments**





Education = Sustainability

- Initial Household & Asthma Interviews
- 2nd Home Visit:
 - ✓ Mattress and Pillow Covers
 - ✓ Asthma Education
 - ✓ Asthma Action Plan
 - ✓ Green Cleaning Demonstration
- Assessment & Report Review
 - ✓ IPM – Gels- Food Storage
- Interventions
- Follow Up Assessment / Interview





Interventions

- **Dust Mite and Roach Allergens – Super Cleaning**
- **Minor Repairs / Plumbing**
- **Lead Hazards**
- **Mold Abatement**
- **Carpet Replacement**
- **Weatherization / Energy Efficiency**
- **Ventilation, Fall Protection, Smoke Detectors**
- **Integrated Pest Management / Bed Bugs**





Renovation Partners

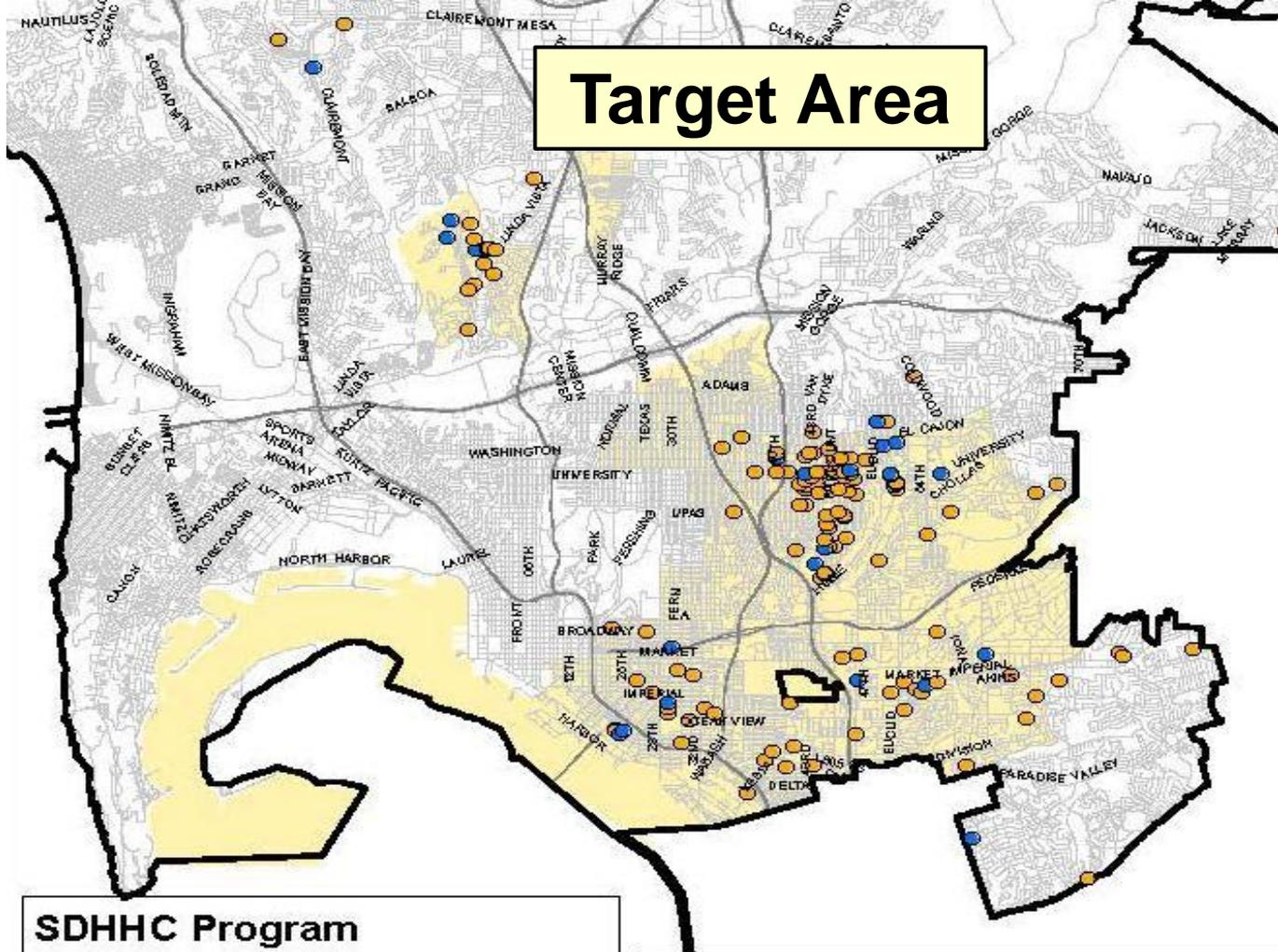
- **Urban Corps of San Diego County:** renovated through participation in the Weatherization Energy Efficient Rehabilitation (WEER) program
- **The San Diego Housing Commission:** rehab projects using redevelopment area set-aside funds
- **Richard Heath and Associates:** San Diego Gas and Electric (SDGE) Energy Savings Assistance Program



Renovation Partners

- **Rebuilding Together San Diego:** projects enrolled in roofing program and major residential rehabilitations program.
- **Metropolitan Area Advisory Committee (MAAC) Project & Campesinos Unidos, Inc (CUI) :** Low Income Home Energy Assistance Program (LIHEAP) Home Energy Assistance Program
- **Grid Alternatives:** households had solar panels installed through enrollment in the Single-family Affordable Solar Homes program.

Target Area

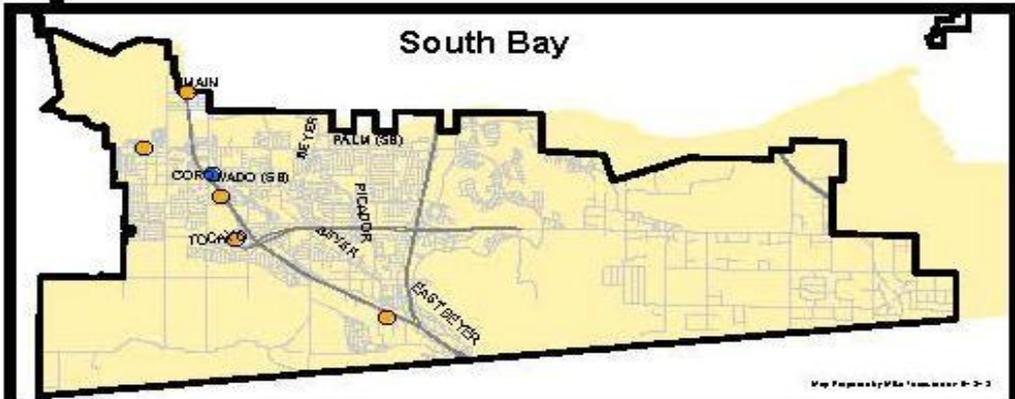


SDHHC Program

Participant Homes

- Homes with Asthmatic Children
- Homes with no Asthmatic Children
- City of San Diego
- Target Area

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Common Hazards

- **92% Treated for mold/moisture issues (includes minor mold remediation's caused by window condensation or lack of bathroom ventilation)**
- **89% Smoke Alarms**



Common Hazards

- **88% Missing Torn Screens**
- **75% Pest Access Holes**
- **67% Roach Infestations**
- **58% reported use of pesticides, foggers or extermination services**
- **21% Rodent infestations**



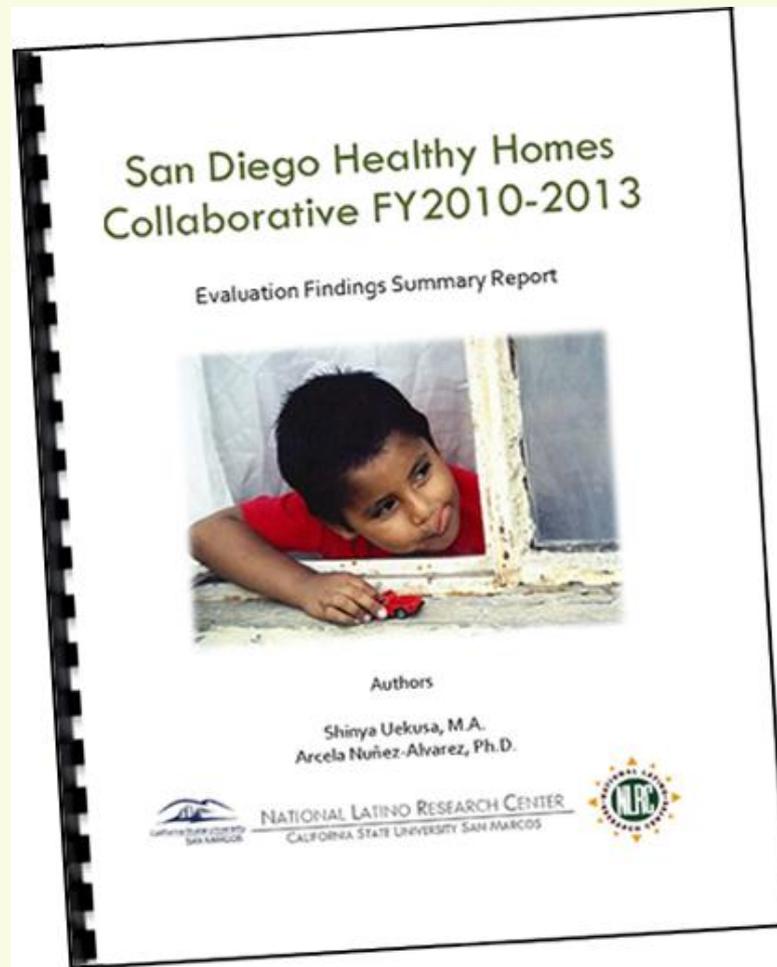


Common Hazards

- **41% Electrical Wiring - Outlets / Switches**
- **26% Water Leaks - Plumbing**
- **22% Window Blinds Choke Hazards**



SDHHC 2010 Significant Findings



San Diego Healthy Homes Collaborative FY2010-2013

Evaluation Findings Summary Report



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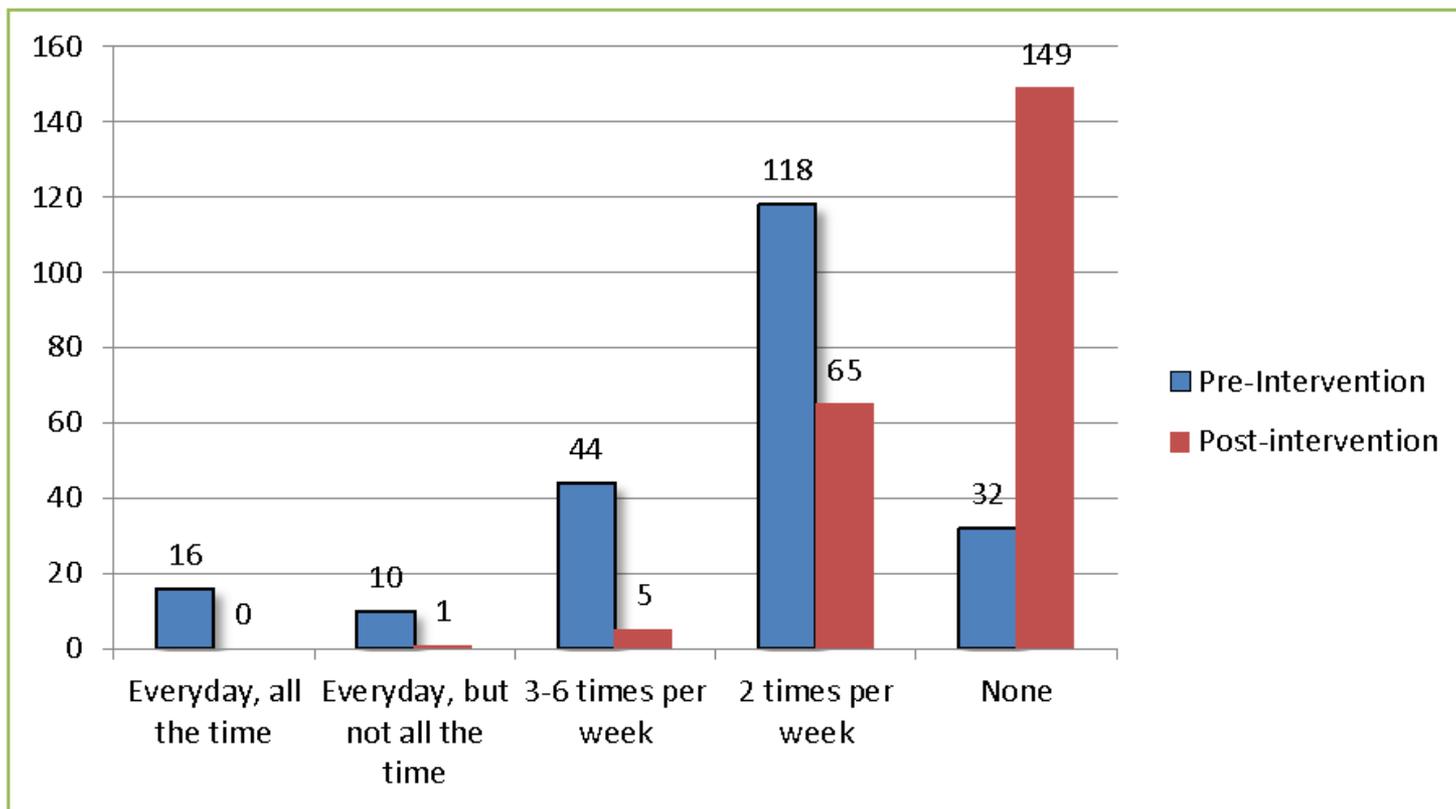


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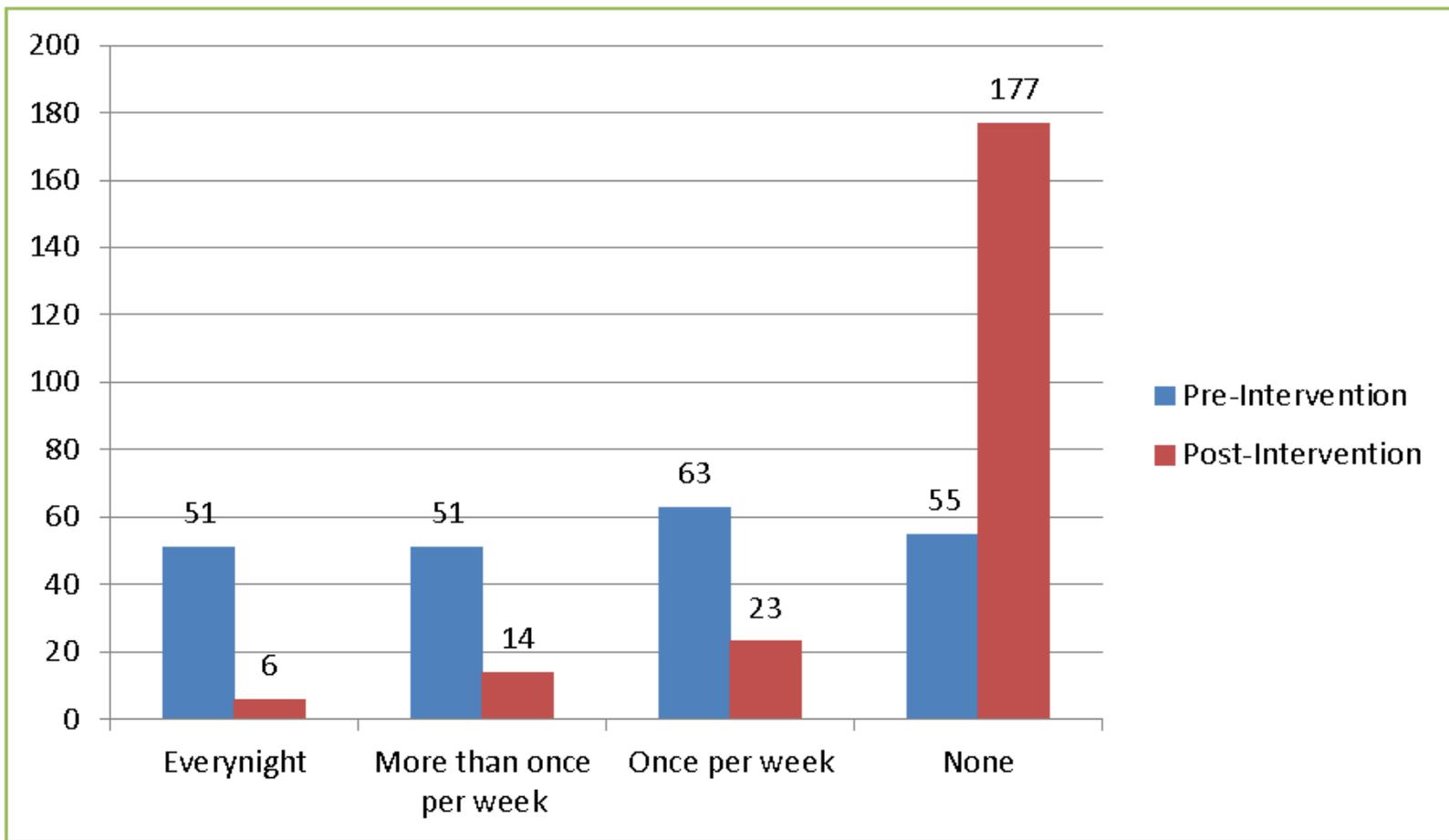
Children's Daytime Asthma Symptoms



Daytime Asthma Symptom Pre- and Post-Intervention



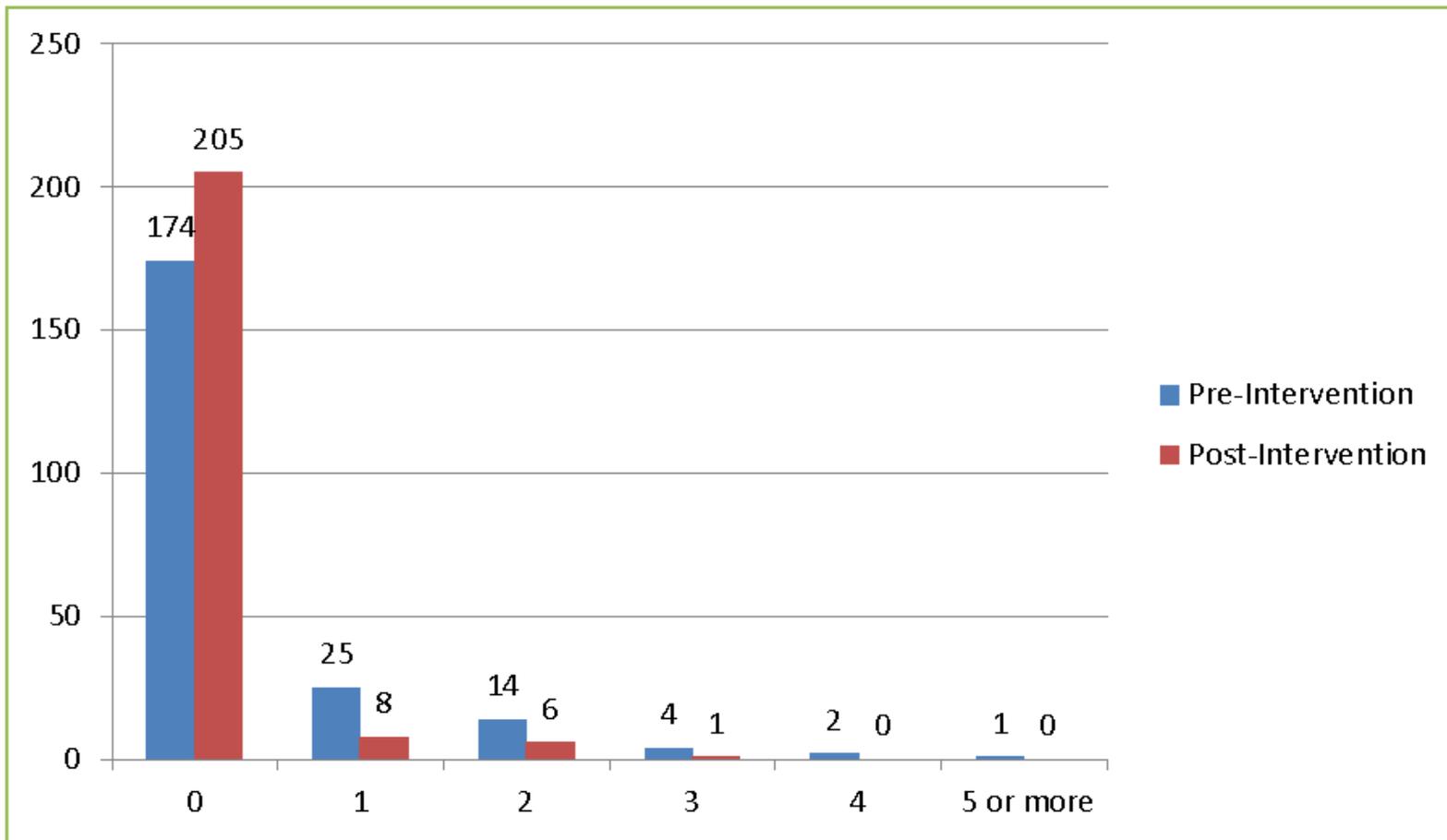
Children's Night Time Asthma Symptoms



Nighttime Asthma Symptom Pre- and Post-Intervention Comparison



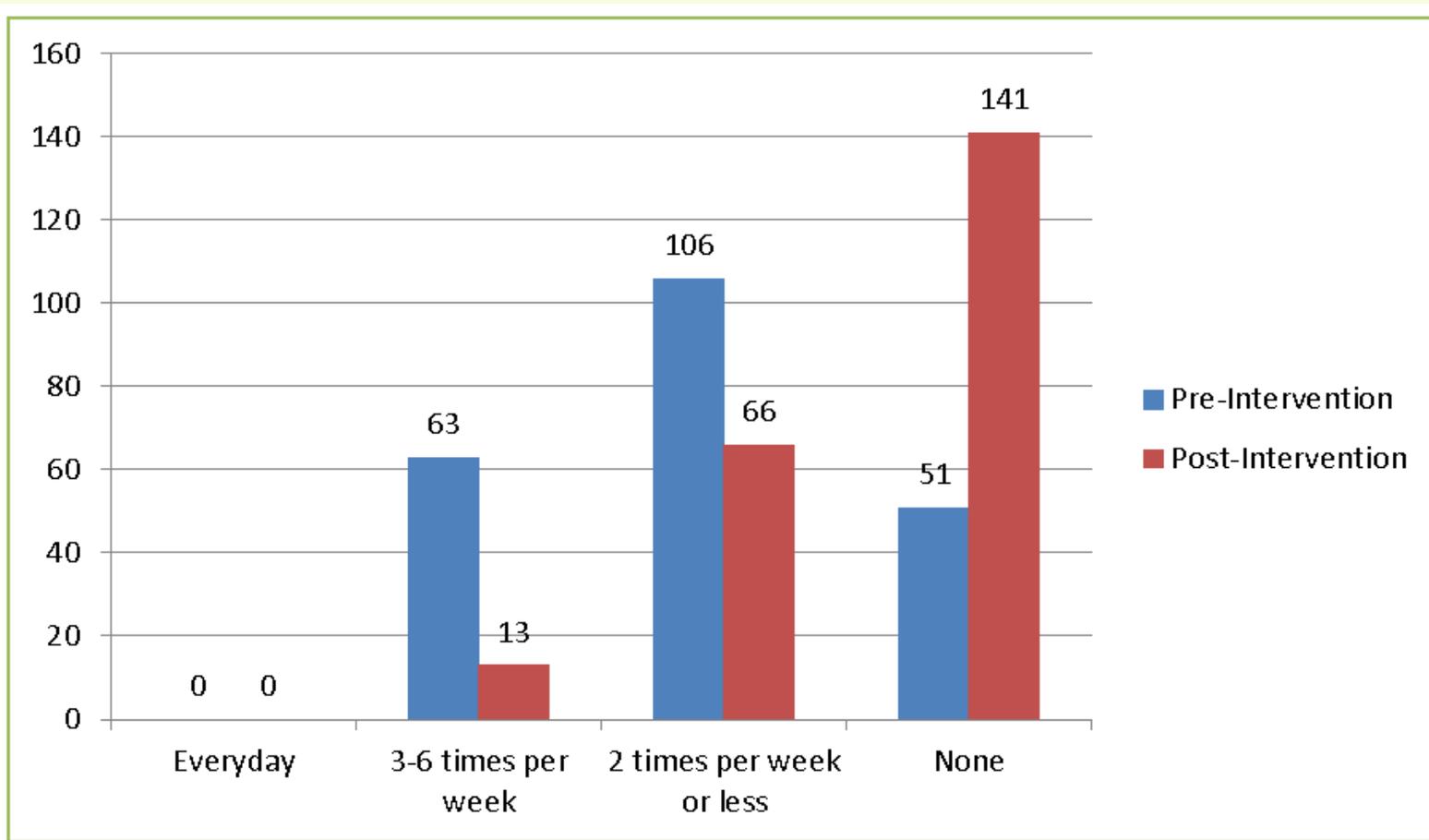
Urgent Care Visits



Urgent care (ED) Visit Past 6 Months Pre- and Post-Intervention Comparison



Use of Quick Relief Medications



Use of Quick Relief Pre- and Post-Intervention Comparison



CONCLUSIONS

Overall, the low cost intervention strategy has significantly improved household environments and children's health.

- Significant reduction in frequency and severity of:
 - ✓ Asthma symptoms
 - ✓ Use of quick relief medication
 - ✓ Urgent care visits
- Reduced direct costs of medical treatments
- Reduced indirect health care costs (loss of work and/or school time due to illness).

























QUESTIONS?

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