Sustainable Financing for Asthma Education and Home Environmental Trigger Remediation: Lessons Learned from the Field

May 7, 2018
About RAMP

• RAMP reduces the burden of asthma through a comprehensive approach, ranging from clinical management to environmental protection
• We collaborate, coordinate, share resources, and advocate to reduce inequities, strengthen asthma prevention efforts, improve management for all communities
• Goals:
  – Improving indoor air quality in housing and schools
  – Reducing outdoor air pollution
  – Linking clinical care with prevention
Technical Details

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Today’s Webinar

- Introductions and overview
- Summary of lessons learned
- Michigan
- New Mexico
- Technical assistance resources
- Q & A
How Do We Reduce the Burden of Asthma?

Utilize a broad and comprehensive approach aligned with NIH’s Guidelines for the Diagnosis and Management of Asthma (EPR-3):

- Assessment of disease severity and control
- Comprehensive pharmacologic therapy
- Patient education
- Environmental control measures to avoid or eliminate factors that contribute to asthma onset and severity
What Does Asthma Education Look Like?

Delivered by a variety of professionals in a variety of settings, asthma education includes information about:

- Basic asthma facts
- Proper use of medications
- Self-management techniques/self-monitoring skills
- Actions to mitigate or control environmental factors that exacerbate symptoms
What Should Environmental Control Measures Look Like?

Home environmental trigger remediation interventions involve **home visits by trained personnel** to conduct two or more activities, including:

- Assessment of the home environment
- Education about the home environment
- Changes to the indoor environment to reduce exposure to asthma triggers
The Health Impact

Patient education and environmental control measures:

- Reduce ED visits and hospitalizations
- Improve asthma control
- Decrease symptom frequency
- Decrease work and school absenteeism
- Improve quality of life
The Economic Impact

Both asthma education and environmental remediation have a positive Return on Investment

- One asthma education program targeting high-risk children saved $11.22 for every $1 spent
- Minor to moderate environmental remediation provides a ROI of $5.30-$14.00
The Equity Impact

- There are significant asthma disparities
- Social and environmental inequities – especially housing – contribute to these disparities
- Asthma education and environmental trigger remediation is one of many ways to address these inequities
From Evidence to Practice: Sustaining Asthma Education and Home Trigger Remediation in the Home

How?
Lessons Learned

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November 2017

Working together to reduce the burden of asthma
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Lessons Learned

• Pursuing multiple policies and funding streams
• Balancing top-down and bottom-up approaches
• Partnership infrastructure and related resources
• Making complex information accessible
• Deciding to take a broad or disease-specific approach
• Navigating challenges related to non-licensed professionals
Pursuing Multiple Policies and Funding Streams
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- Medicaid (e.g., FFS, Managed Care)
- Private Insurers
- State and Local Health Departments
- Wellness Programs

In-Home Asthma Visit
- Education
- Assessment

Interventions
- Supplies e.g., Bedding, IPM and Cleaning
- Supplies + Services e.g., HEPA vacuum and filters, dehumidifier, IPM services
- Structural Services e.g., New HVAC, roof, carpet removal, major repairs

Potential Funding
- Pay for Success
- Social Impact Bonds
- Philanthropy

Potential Funding
- Healthy Homes
- Community Development Block Grants
- Weatherization
- Environmental & Housing Department

U.S. Environmental Protection Agency

Working together to reduce the burden of asthma
Balancing Top-Down/Bottom-Up Approaches

- Political factors
- State financial and structural factors
- The managed care landscape
Partnership Infrastructure and Resources

• Partnership Infrastructure
• Diverse Perspectives and Expertise
• Funding to Support Partnerships
Making Complex Information Accessible
Taking a Broad or Disease-Specific Approach

VS.
Navigating Challenges of Non-Licensed Professionals

- Qualifications
- Supervision
- Workforce capacity and availability
Lessons Learned

Full document: http://www.rampasthma.org/archives/14893

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Thank You!

• **Lessons Learned** document: [http://www.rampasthma.org/archives/14893](http://www.rampasthma.org/archives/14893)

• Contact us
  
  – Joel Ervice – [joel@rampasthma.org](mailto:joel@rampasthma.org)
  
  – Tisa Vorce – [VorceT@michigan.gov](mailto:VorceT@michigan.gov)
  
  – Diana Wilkerson – [Diana.Wilkerson@state.nm.us](mailto:Diana.Wilkerson@state.nm.us)
  
  – Amanda Reddy – [areddy@nchh.org](mailto:areddy@nchh.org)