

New England Asthma Innovation Collaborative (NEAIC): 2012 CMS Health Care Innovation Challenge



Project Components:

- *Service delivery expansion (rapid)*
 - *Pediatric High-Risk Asthma*
 - *Home Visits*
 - *Intensive self-management education*
 - *Environmental remediation of known triggers*
- *Workforce development*
 - *RN/PNP, AE-C (Team Leader)*
 - *CHW (Bilingual)*
- *Committed Medicaid payers*
 - *Advance sustainable payment systems*
- *Payer and Provider Learners Community*



Nine New England Sites:

- Hospitals, FQHC,
Primary Care
 - MA (3)
 - CT (2)
 - RI (3)
 - VT

NEAIC: How This Works

Referral Considerations

Engage the PCP/Medical Home

- Build Trust
- Establish Credibility
- Prompt communication and problem-solving
- Unique written reports



HV 1: RN & CHW

Needs Assessment

- Asthma History and Educational priorities
- Home Environment
 - Trigger exposure
- Social and Economic
- Care Coordination
- Allergy testing
- Spirometry
- What else do you need help with?



HV 2: CHW

Environmental Supplies

- Demonstration
- Application
- Integrated Pest Management
- Review AAP
- Inhalation Technique
- Follow-ups
 - Confirm PCP connection



HV 3: CHW

Optimize self-management capacity

- Trigger remediation
- Inhalation technique
- Following AAP
- School management
- Housing issues
- Close the loops with PCP and Specialists

Nurse/AE-C available to help anytime, including additional HVs

- Total number of children enrolled: 1145
 - Number of siblings and other family members who benefit – “countless”
- Completion rate once enrolled: 79%
- Achieved multiple statistically significant and similar results across all 9 sites in 4 states
- Higher utilizers (2+ Asthma ED visits) had the greatest ROI
 - RI DPH analysis

The Payer Source (\$64K) Question



- How much would you need to save to invest into a program that could:
 - Improve asthma control
 - Improve possession and use of Asthma Action Plans
 - Decrease missed school **(50%)** and work days **(65%)**
 - Decrease Oral Steroid Use **(43%)**
 - Decrease E.D. utilization **(56%)**
 - Decrease Hospitalization **(52%)**
 - Improve medication adherence
 - HEDIS Asthma Medication Ratio measure
 - Improve quality of life
 - Juniper's Pediatric Asthma Quality of Life Scale
 - *And have data that demonstrates statistical significance*

- So what's the answer to the \$64k question?
 - Do you want to spend your money and get better outcomes?
 - **Short-term:** acute care utilization, improved care experience (patient and provider)
 - **Long-term:** QOL, social determinants, lifelong trajectory to manage chronic conditions
- Continue to share (market) our Vision
- Continue to strengthen partnerships (replace silos with bridges):
 - Medicaid / ASO / MCO
 - DPH / CDC
 - SIM / CHW
 - CHA / Hospitals / ACOs
- Invest in additional analysis of existing data