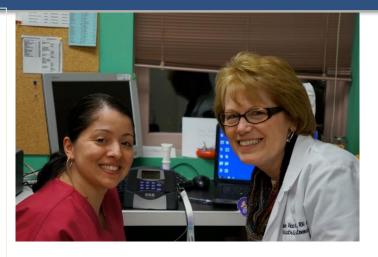
New England Asthma Innovation Collaborative (NEAIC): 2012 CMS Health Care Innovation Challenge



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

Considerations Referral

NEAIC: How This Works



Engage the PCP/Medical Home

- Build Trust
- Establish Credibility
- Prompt communication and problemsolving
- Unique written reports

8

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?

Environmental Supplies

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

Optimize selfmanagement 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

The Power of NEAIC



- 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

Building the Business Case



- 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