

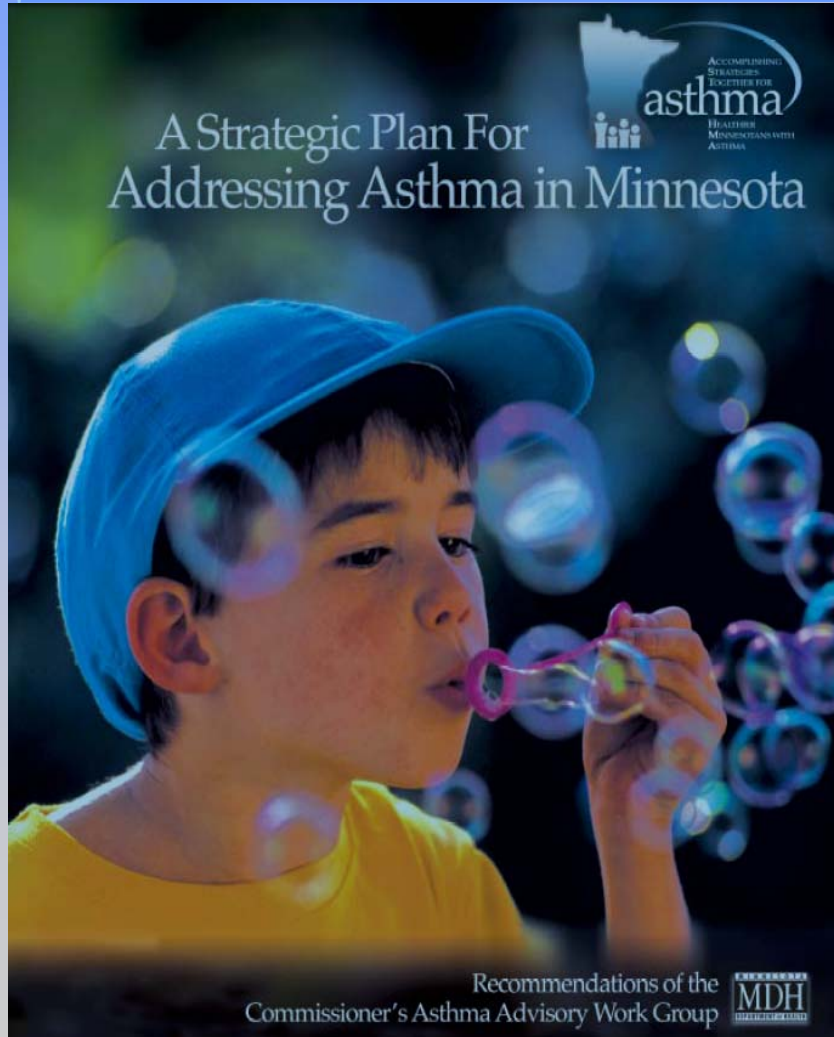
Model Asthma Program Minnesota

Indiana Healthy Homes & Childcare Conference

**Indianapolis, IN
November 3, 2010**

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MN Department of Health**

Asthma Control



Asthma is controlled by:

- Taking medications correctly
- Reducing asthma triggers
- Avoiding asthma triggers
- Following an Asthma Action Plan

Addressing Asthma Triggers

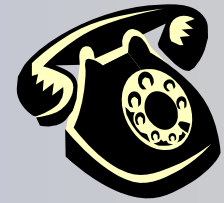
Home assessments in Minnesota



- ★ Projects
- ★ Evaluation activities
- ★ Success

- ★ Tools
- ★ Trainings
- ★ Partnerships

Minnesota Asthma Facts



Currently have asthma*

- ★ 7.7% of Minnesota adults or about 303,000
- ★ 7.0% of Minnesota children or about 85,000

Minnesotans with asthma**

- ★ Advised by healthcare provider to change their home, school, or work environment
 - 42.9% of adults
 - 25.7% of children

Home Assessment Projects

★ Reducing Environmental Triggers of Asthma (RETA)

- EPA Grant
- Home assessment, asthma education, and products
- Decline in health care utilization and missed school days
- Improvement in daytime symptoms

★ Communities Reducing Environmental Triggers of Asthma (CRETA)

- Private Foundation Grant
- Trained Public Health Nurses to replicate RETA
- Project completed; evaluation in progress

★ Tribal RETA

- Part of the MDH CDC Grant
- Home assessment, asthma education
- Project in progress



Original RETA project

64 families in the Twin Cities metropolitan area – $\frac{3}{4}$ of the children had moderate persistent or severe asthma

- Home visit (medical and environmental)
- Low cost interventions

★ Decreased number of school days missed

- 7 days reduced to 1 day per year

★ Cost savings per child

- 1 less hospitalization per child
- 2 less unscheduled clinic visits

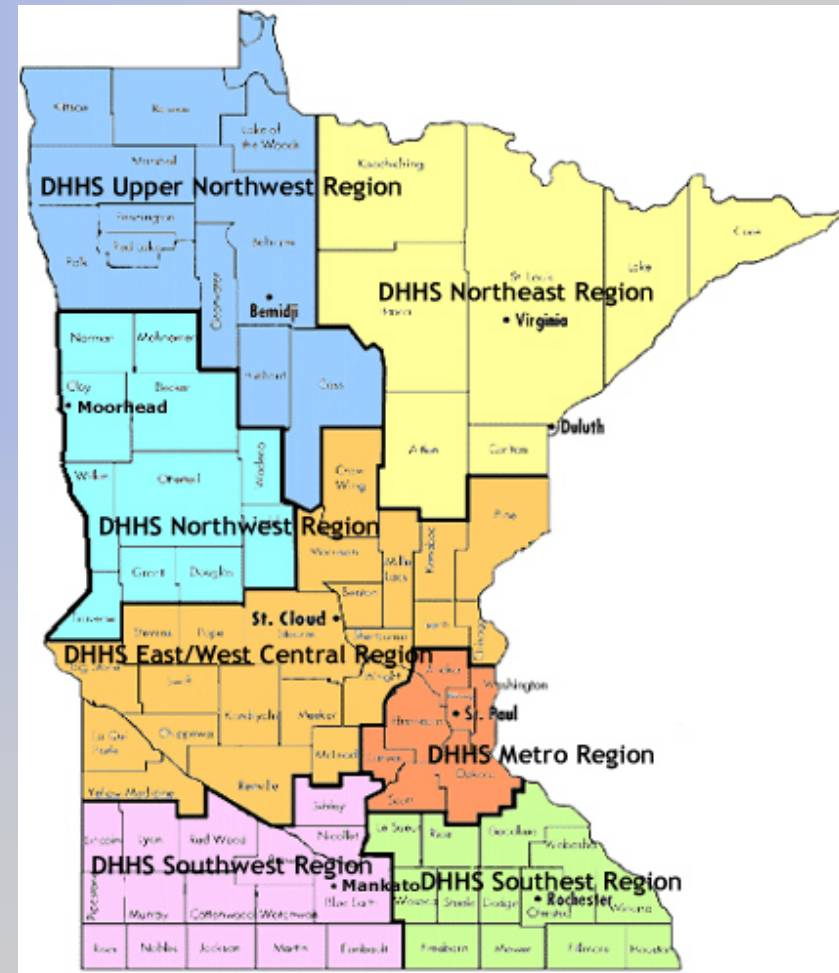
★ RETA intervention saved approximately \$1,960 per child

★ Total project savings of \$125,000

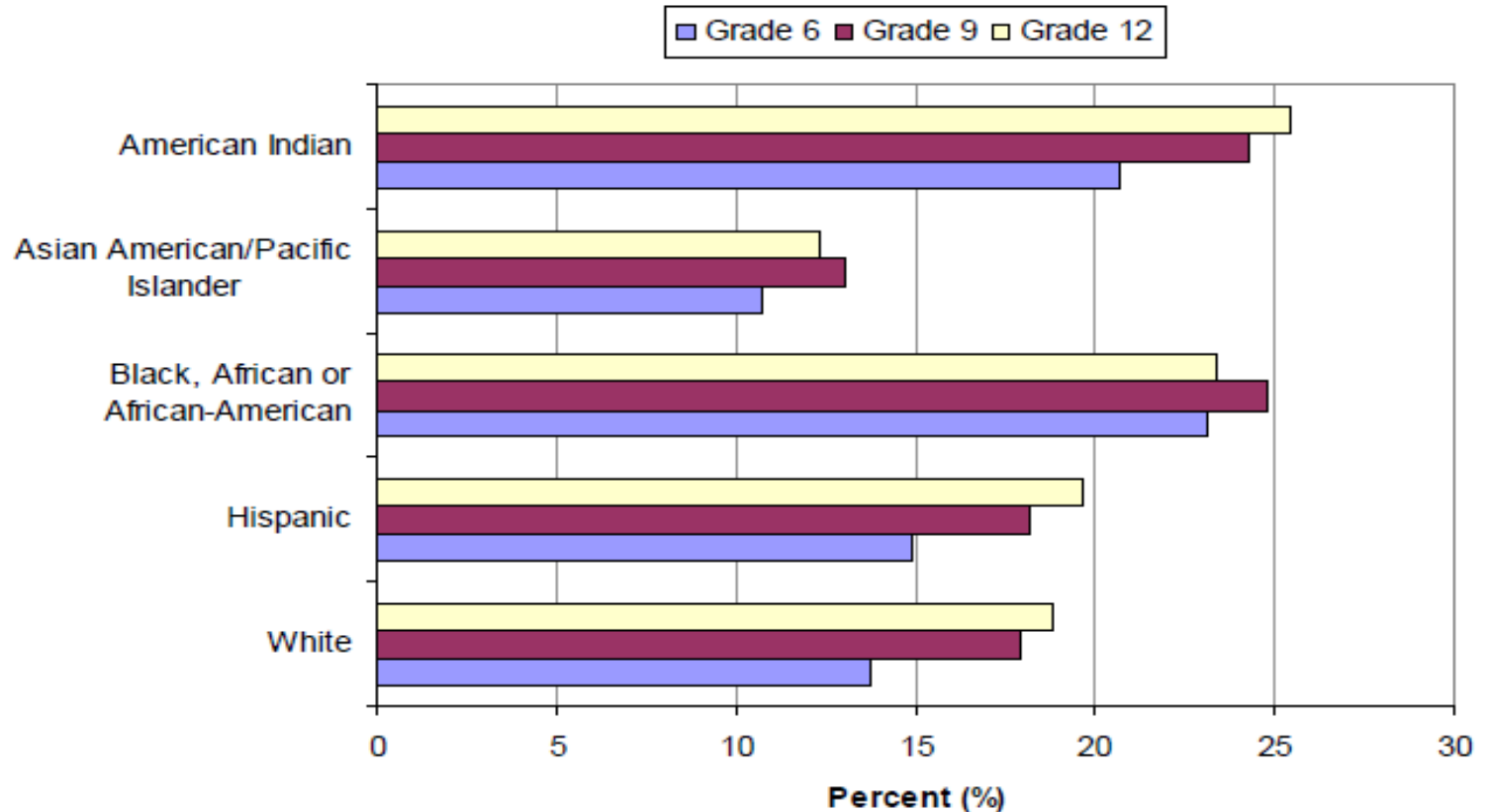
CRETA & Tribal RETA

Expanding Home Assessment Programs

- ★ Minnesota is geographically a large state
 - Bloomington Public Health
 - McLeod County
 - Bois Forte
- ★ Minnesota's health plans have shown interest to reimburse home assessments
- ★ Lack of trained health care professionals for home assessments



Minnesota Student Survey 2007



Percentage (%) of students reporting “Yes” to “Has a doctor or nurse ever told you that you have asthma?” by grade and race/ethnicity

TOOL: "RETA-Home"

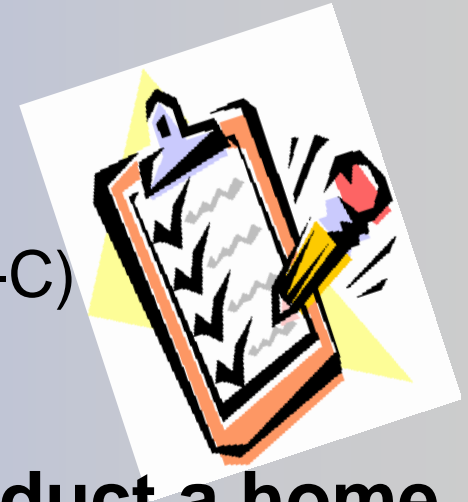
- ★ EPA Region V (grant)
- ★ Online, web-based training program
 - Common environmental triggers of asthma
 - Overview of home assessment process
- ★ RETA-Home
 - 25 minute web-based video
 - Pre- and Post- tests
 - Resource Page

- ★ Launch late fall of 2010!

Target Audience

Preliminary online survey

- Public Health Nurses (PHN)
- Certified Asthma Educators (AE-C)



Only 13% felt confident to conduct a home assessment focused on asthma triggers

- Least confident with pests
- Most confident with secondhand smoke

Training Objectives

- ★ Describe and identify common triggers in the home
- ★ Recommend appropriate interventions to reduce or eliminate triggers
- ★ Locate additional information on
 - Environmental triggers of asthma
 - Home assessments
 - Medical management of asthma



Asthma Triggers



Dust mites



Pests



Pets



Mold/Moisture



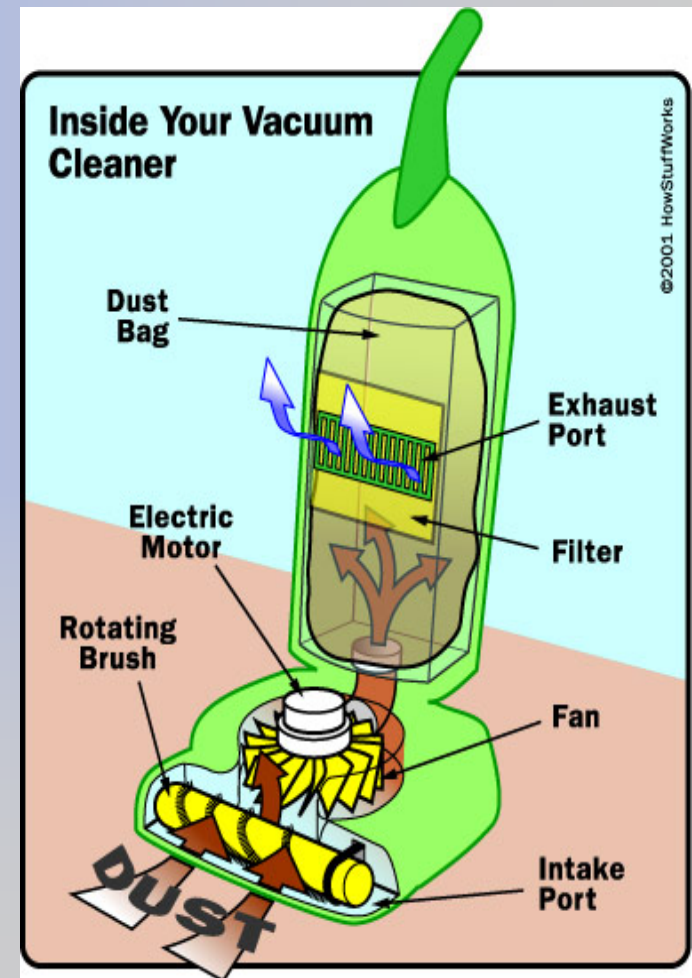
Secondhand Smoke



Chemical Products

Healthy Homes & Cleaning

- ★ Use healthy home benchmarks
- ★ Identify major sources of asthma triggers
- ★ Provide low cost solutions where possible
- ★ Vacuum
- ★ Damp dust







**Photographs provided by St. Paul/
Ramsey County Public Health**



Photographs provided by Rich Prill and Dave Blake

Partnerships

- ★ Office of Public Health Practice
 - Conducted pre-survey
 - Identified training needs
 - Tailored video and resource page to meet needs
- ★ Triad and Century College
 - Production of graphics, video, and programming
- ★ Pediatric Home Service
 - Technical review of script
- ★ Data Intelligence
 - Technical review of script
 - Developed evaluation plan
- ★ Photographs and images are provided by a variety of organizations



Evaluation Plan

★ Four week evaluation

- Assess need for modifications
 - Pre- and post-test questions
 - Training video
 - Resource page



★ 10 Question pre- and post- test

- Short term knowledge gain
- Certificate issued to those who take the training

★ Six-month final evaluation

Contact Information

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