Addressing Asthma Disparities A Community Based Approach



Disclosures

<u>Advisor</u>

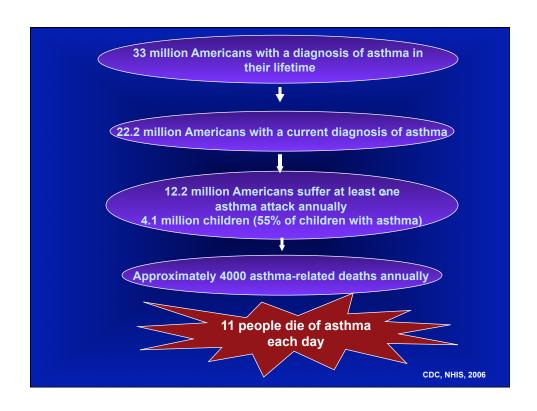
- Merck
- ■Teva Specialty

Speakers Bureau

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Grant Support

- Merck
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Ethnic Disparities in Asthma

- Prevalence of asthma among African Americans is 30-40% higher than in White Americans
- African American females have the highest asthma prevalence of any racial/ gender group
- African Americans are hospitalized for asthma more than three times as often as White Americans

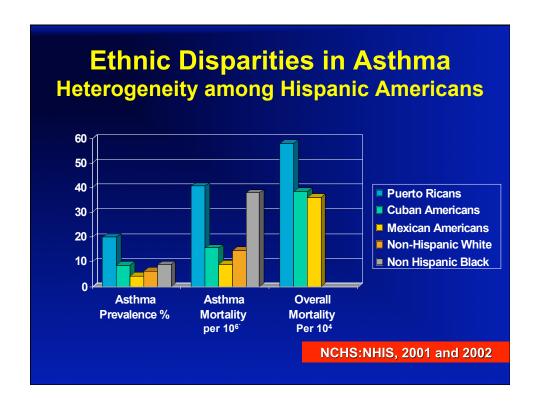


Ethnic Disparities In Asthma

- The age-adjusted asthma death rate in African Americans is three times that of White Americans
- African Americans represent 12.7% of the US population but account for 26% of all asthma deaths



Lung Disease Data in Culturally Diverse Communities ALA, 2005



Develop Effective Community Coalitions & Avoid "Missionary" Thinking and Care

- Utilize Resident Community Resources
 - a renewable community asset
 - validated interest, commitment to the community
 - e.g. churches, co-operatives, recreation program, community organizations, resident organization, parent support groups
- Stress Empowerment Concept
 - define shared goals, expected outcomes
 - transactional vs.paternal relationships
 - conceptualize asthma control as emancipation

"Not One More Life"

Hypothesis

Partnerships with Communities of Faith and their well organized Health Ministries offer the best vehicle for the systematic community-based education and individual empowerment needed to control Asthma in Our Communities

Not One More Life Team

- LeRoy M. Graham MD, FCCP –Founder & Medical DirectorMelvin Butler Program Director
- Margaret Clark RT, RN, MS Outcome Manager & Clinic Director
 - •Mike Stader RT Staff RT & Education Director
 - Samuel Lindo RT, Staff RT & IT Director
 - Jenese Weddington, RT Resource Coordinator



What We Believe.....

- Good Health is one of the many gifts of the Spirit
- Our God expects us to be good stewards of His many gifts
- Learning about our health and becoming empowered to maintain it is a form of good stewardship

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Not One More Life Asthma Screening

Our Model
How we do it!

Our Methods Are Novel

NOML programs scheduled at local churches through health ministers:

- Short didactic presentation on asthma followed by Q and A
- Participants screened by validated (Juniper) questionnaire and spirometry
- Pulmonologist/Allergist/PCP reviews and discusses results with participants
- Information relayed to PCP or specialty follow up arranged
- Telephone follow up at 1, 3, 6 and 12 months



Our Partners – Communities of Faith

Why Communities of Faith?

- Enduring bases of leadership
- Roles in fostering community well-being
- Strong visions for spiritual and physical health of their faith communities
- Well-developed Health Ministries staffed by members committed to fostering health in their congregations

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Typical Program

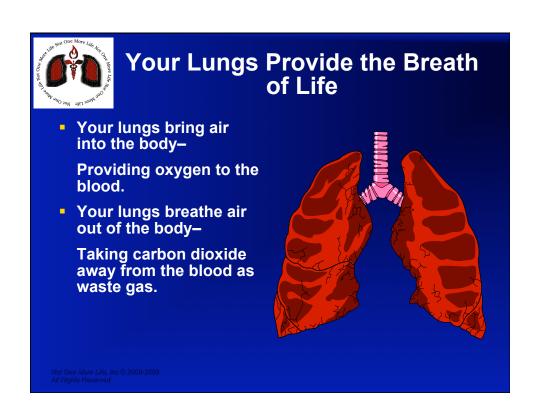
- Didactic Presentation
 - 20 minutes
- PFT Demonstration
 - 5 to 10 minutes
- Screening Questionnaire
 - 3-5 minutes/participant
- Pulmonary Function Testing
 - 3-5 minutes/participants
- MD Interpretation and Counseling
 - Written report to PCP or clinic

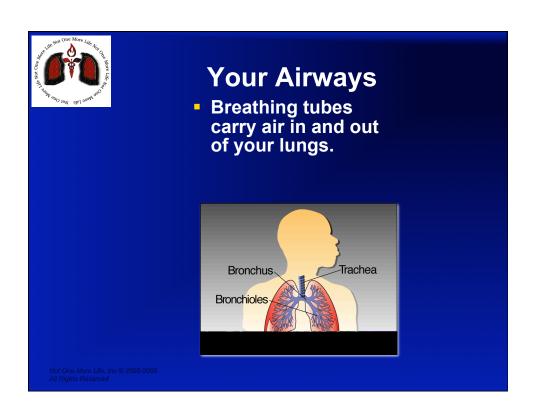


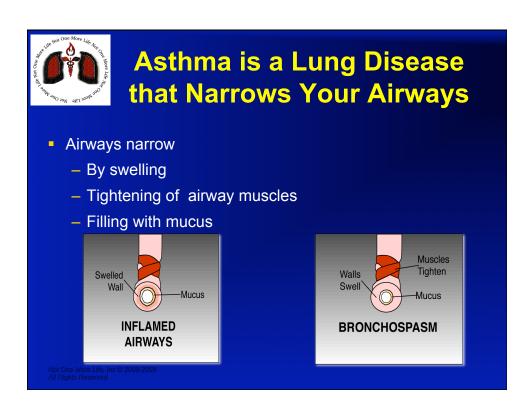
Not One More Life Typical Program Staffing

- Program Coordinator
- 1-2 Physicians
- 2-3 Respiratory Therapists
- 2-3 Asthma Educators/Program Assistants











Asthma is a Chronic Disease



Airways are often swollen, inflamed and clogged with Mucus



Colds, Smoke, Pollen, Dust, etc. lead to Airway Narrowing or Blockage



Coughing + Wheezing + Chest Tightness are the

Symptoms of Asthma

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Illustration Green Island Graphi



Asthma Care-Bottom Line

- Take daily CONTROLLER medications to prevent asthma attacks
 - QVAR, SINGULAIR, FLOVENT, PULMICORT, SYMBICORT, ADVAIR, DULERA
- Add RESCUE treatments when symptoms start
 - Albuterol, Pro-Air, Maxair, Proventil, Ventolin, Xopenex
- Avoid things that trigger attacks or make your asthma worse
 - Dust, pollen, pollution, certain foods, strong odors, cigarettes

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What To Expect from Good Asthma Care

TAKING RESPONSIBILITY

- Full Activity!!!!
- No missed work, school or play due to asthma
- Sleeping well through the night
- No Emergency Room or Urgent Care visits
- No hospitalization
- No side effects from medication

If this is not the case, ask your doctor or

Not Open Marie Life, Inc ® 2008-2709 All Re<mark>find® another doctor!!!!!</mark>



ASTHMA CARE

- Care must be long term; there is no cure
- See a doctor at least every 1 6 months
- Take daily medicines to prevent attacks as your doctor tells you
- Add short-term treatment when symptoms start
- Stay away from things that make your asthma worse



What to Expect from Asthma Care

- Attend school or work with no time off due to your asthma
- No need for ER or hospital visits
- No symptoms during the day or night
- Few or no side effects from medications

Ask your doctor to change your treatment plan if these goals are not met!.....

or, find another doctor!!!!!!



List and Then Share Your Thoughts and Concerns With Your Doctor

- What you would like to get from your visit or why you decided to see the doctor.
- When and where you had your symptoms.
- Your concerns about the symptoms.
- The questions you want answered.





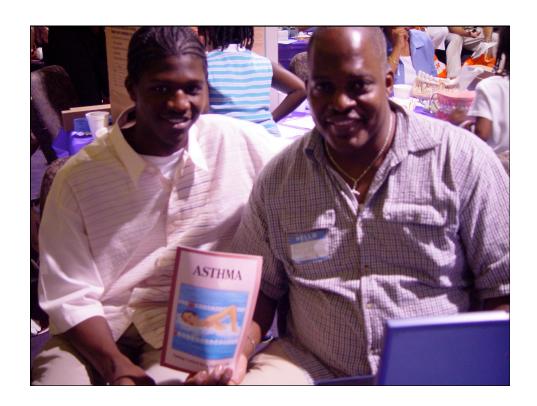


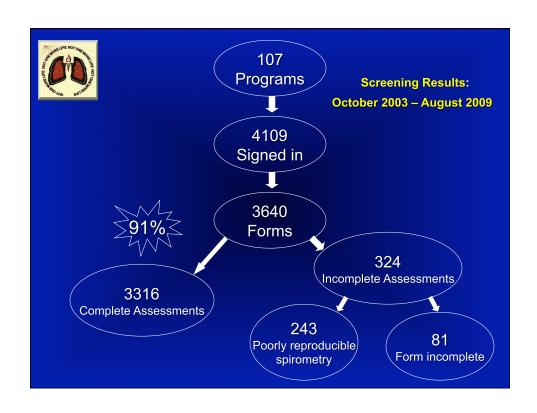
Health Belief Model

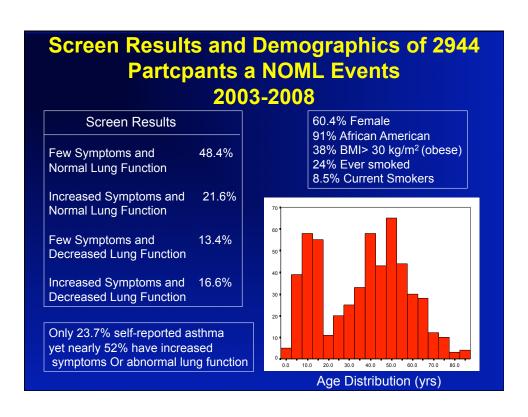
- These beliefs influence willingness to follow preventive or therapeutic recommendations
 - I am susceptible to this health problem
 - The threat to my health is **serious**
 - The benefits of the recommendation outweigh the costs
 - I am confident that I can carry out the recommended actions successfully

Each Visit Should Leave a Legacy of Empowerment Sustained by Partnership

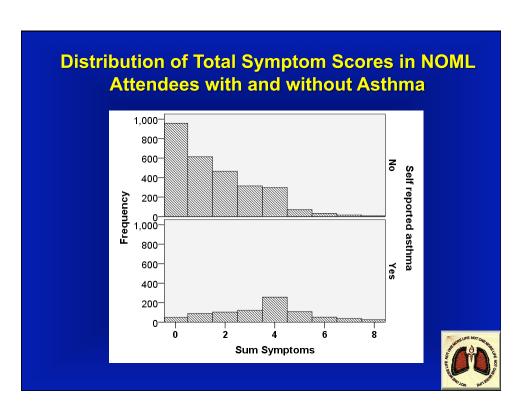


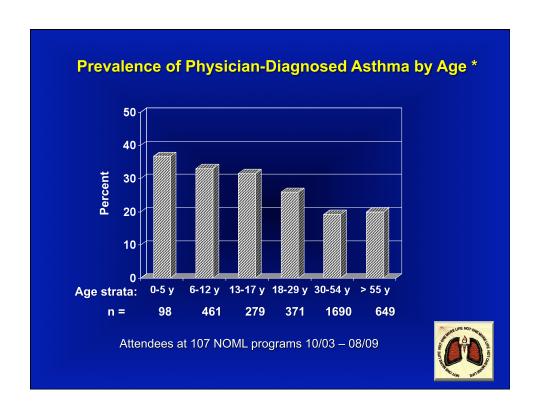


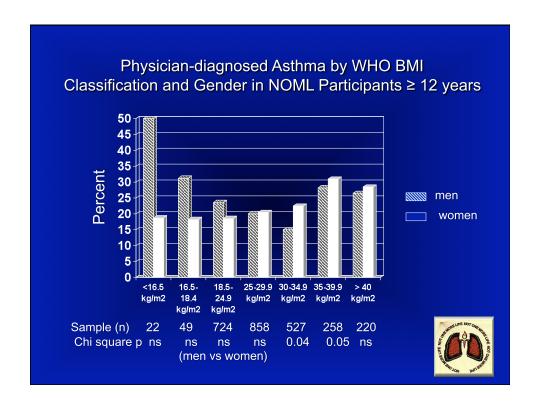












OF THE MOTOR PARTY OF THE MOTOR	Asymptomatic/ Normal Lung Function n (%)	Symptomatic/ Normal Lung Function n (%)	Asymptomatic/ Abnormal Lung Function n (%)	Symptomatic/ Abnormal Lung Function n (%)	Missing n (%)
Sample	1654 (45.4)	691 (19.0)	445 (12.2)	526 (14.5)	324 (8.9)
Men	534 (48.2)	155 (14.0)	160 (14.4)	161 (14.5)	98 (8.8)
Women	1119 (44.4)	534 (21.2)	285 (11.3)	361 (14.3)	221 (8.8)
0-17 yr	301 (35.9)	195 (23.3)	83 (9.9)	135 (16.1)	124 (14.8)
18 > yr	1341 (48.5)	491 (17.8)	357 (12.9)	386 (14.0)	190 (6.9)
NL BMI	923 (46.8)	361 (18.3)	250 (12.7)	277 (14.0)	162 (8.2)
Obese	427 (42.7)	230 (23.0)	114 (11.4)	169 (16.9)	60 (6.0)
Asthma	149 (17.7)	266 (31.6)	80 (9.5)	277 (32.9)	70 (8.3)
Smoker	104 (32.4)	84 (26.2)	45 (14.0)	71 (22.1)	17 (5.3)

High Prevalence of Under-Treatment and Hospitalization among Asthmatics

No current asthma treatment: 38 %

Bronchodilator only: 27%

Inhaled corticosteriods:19%

Ever hospitalized for asthma: 21%



Our Data

Features of NOML attendees:

91% African American

66% Women

8.5% 29% currently smoke have abnormal lung function report current asthma

22% 38%

are obese

57% 14% have a personal physician poorly perceive respiratory symptoms

90% of participants with abnormal lung function report seeing a physician as a result of their NOML session!!!!!!



Conclusions

- NOML is a novel asthma screening and education program that is highly effective at reaching and teaching diverse populations at programs conducted at communities of faith
- Continued expansion of referral and case management initiatives offers a unique opportunity to alter patterns of disparate asthma morbidity in urban communities
- NOML is being expanded into up to 20 cities around the US from its Atlanta base. The NOML model has already been replicated and is operative in Norfolk/Hampton Roads, VA, Detroit, St. Louis, Flint, MI, Chattanooga, and Long Island, NY, Lansing, MI. Orlando, FL and Chicago, ILL
- Further expansion being planned for Brooklyn, Bronx, NY, Newark and Trenton, NJ, Jackson, MS, Oakland, CA,
 Croonyillo SC and Grand Banida MI.

The Future

- Development of an ACCP/NOML Partnership
 - Continued Expansion to 30 cities by the end of 2012
 - Development of an online CME to provide cultural competency training for providers
 - Development of an online social networking platform for empowering patient education
 - Development of a clinical trials registry on the back bone of NOML expansion to increase both minority investigators and subjects



