

Healthy Homes Grantees in Region III, Mid-Atlantic

Name of Grantee: Eastern Virginia Medical School
Name of Project: Newport News Healthy Homes Initiative (NNHHI)
Amount Awarded: \$999,661
Year of Grant: 2004

Contact info:

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Project Partners: Newport News Redevelopment and Housing Authority, Peninsula Institute for Community Health, Children’s Hospital of The King’s Daughters

Summary of Project Activities:

Newport News Healthy Homes Initiative is a randomized, controlled trial with a delayed intervention control group (wait list control) that is looking at allergen levels in homes, allergen avoidance practices, home remediation and changes in asthma morbidity. Eligible homes are randomly assigned to two groups: one that initially receives remediation activities and a control group that receives the program a year later. As part of the study, children aged 5-17 years old receive a clinic-based assessment to include spirometry, allergen skin testing to a predefined set of aeroallergens and answer a set of questions about asthma morbidity. Each family receives a baseline home visit and during the visit study personnel complete a standardized home inspection. Household dust samples are collected and the aqueous extract of 100 mg of sieved dust specimens are assayed using mAb-based ELISA assays to answer important questions about the level of household antigen and the relationship to asthma morbidity and remediation activities. Enrolled families receive home remediation activities based on the outcome of the home inspection and at least four educational visits by a trained health ambassador. The clients/properties will be evaluated three months and at one year after the intervention to evaluate the health impact of interventions.

Partner Organizations:

Newport News Redevelopment and Housing Authority

Peninsula Institute for Community Health
4714 Marshall Ave
Newport News
VA 23607
(757) 247-2805

Children’s Hospital of The King’s Daughters
601 Children’s Lane
Norfolk
VA 23507
(757) 668-6443

Product Outcomes/Outputs:

Outcomes of the NNHHI project will include:

- 108 healthy homes for children diagnosed with asthma
- Analysis of outcomes. Outcomes evaluated will include health/morbidity outcomes, measures of home remediation activities, analysis of dust samples for allergen load pre- and post- intervention and the number of people reached with educational efforts.