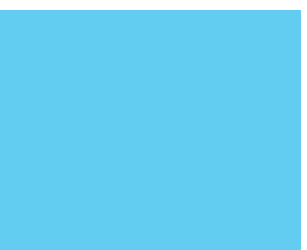
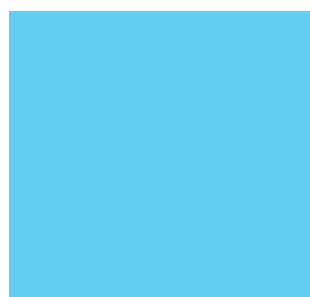
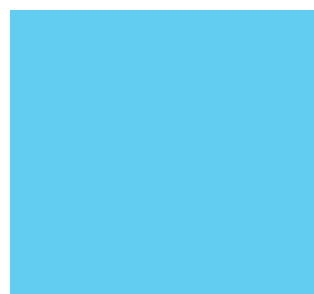
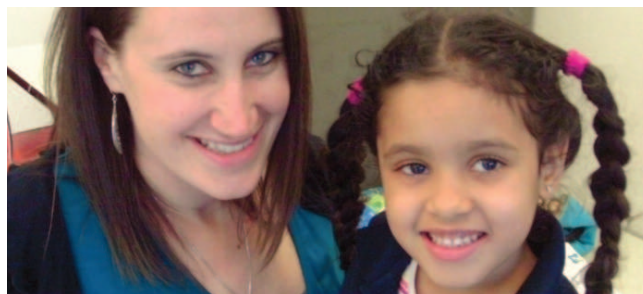


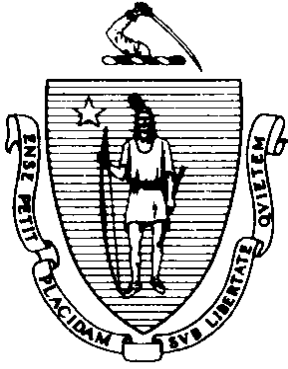


# Inventory of Training for Health Professionals on Asthma



Released June 2012





## Inventory of Training for Health Professionals on Asthma



This document is an Inventory of training programs on asthma for health providers and allied health professionals. It encompasses trainings that either assist in providing asthma education and building patient's asthma self management skills and/or trainings that enhance primary care provider use of spirometry. Target audiences are traditional providers in primary care settings, including primary care physicians, nurses, and physician's assistants, and also include non-licensed professionals such as community health workers (CHW) and others who work as valuable members of medical teams. Not included are medical specialists outside of primary care settings. The focus of the inventory is the state of Massachusetts. However, where applicable, trainings in other New England states are included that are within travel distance for health providers. In addition, the inventory includes web-based training opportunities.

This inventory, gathered by the Asthma Prevention and Control Program (APCP) of the Massachusetts Department of Public Health, is intended to help APCP design and implement education and communication interventions targeting health care providers. Specifically, healthcare provider education and communication that facilitates asthma self-management education for patients consistent with the "Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma" (EPR3) published in 2007.

APCP is working with the Massachusetts Asthma Action Partnership's (MAAP) Health Committee in improving education and communication interventions aimed at health care providers. The MAAP Health Committee members were valuable partners in compiling this inventory. Technical assistance was provided by the JSI Research & Training Institute, Inc.

# TABLE OF CONTENTS

<u>Summary Interpretation of Findings</u>	<u>1</u>
<u>Provider Perspectives</u>	<u>3</u>
Target Audiences for Trainings to Conduct Patient Asthma Self-Management Education .....	5
Specific Target Training Audiences:.....	6
Target Audiences for Trainings to Conduct Spirometry Testing .....	7
Training Providers and Programs.....	6
RECOMMENDATIONS TO ENGAGE TARGET AUDIENCES.....	7
<u>Listing of Asthma Training Organizations</u>	<u>10</u>
MASSACHUSETTS .....	10
REGIONAL OR NATIONAL .....	18
Federal Agencies .....	18
National Training Centers, Networks, Coalitions, and Foundations.....	21
Boards & Associations: .....	25
Tools from Other States and Organizations:.....	32
Additional Professional Organizations for Target Audiences .....	34
Resources for Continuing Education Unit (CEU) Programs.....	37
<u>Index of Organizations</u>	<u>38</u>
<u>Appendix A: NAEPP Coordinating Committee</u>	<u>41</u>

## SUMMARY INTERPRETATION OF FINDINGS

The review identified the importance of reaching a range of licensed and non-licensed target audiences who may benefit from trainings on patient education for asthma self-management. These range from athletic coaches, to Community Health Workers (CHW) to pharmacists and licensed health providers of all backgrounds working with asthmatic patients. Spirometry training was recommended for all clinicians who diagnose or manage clients with asthma.

A large number of training programs and associated educational materials for providers and patients on asthma self-management were found to be available online; the majority of which are free. Many of these offer Continuing Education Unit (CEU) credits for professionals, noted to be an important inducement to participate for many target audiences. Fewer, but nevertheless a growing number of valuable online resources are also available on spirometry.

In-person training, however, was often deemed most effective, if not most convenient, form of education. This was especially the case for ability to provide patient education on use of medical devices, training providers on use of spirometry, and professional development for target audiences such as CHW who may benefit from ongoing, in-person networking, support, trainings, and apprenticeships.

High quality in-person training programs are available in Massachusetts; yet they are relatively few in number. While trainers have made efforts to make these accessible to a broad audience, they do not have the reach they would like to have. Trainings are concentrated in the Boston area. Willing allies are available in other parts of the state to co-sponsor trainings, and this strategy has been used in the past. Staffing and other constraints have made some of these program offerings intermittent. Expansion of available training programs that can provide detailed instructions, including on patient use of medical devices, was recommended.

Awareness of available trainings needs to be expanded upon among target populations. Cost of mailings was one noted limitation, and a partnership with professional associations was one strategy suggested to increase dissemination.

Time was frequently mentioned as a constraint, both to receiving education as professionals and to educating patients. Some recommendations included:

- Increased leadership commitment, such as having an Asthma Champion at health sites,
- Expanding professional requirements to receive asthma certification (such as for CHW)
- Focus on providers who can receive reimbursement for their time providing asthma education (nurses, pharmacists who are “Medical Therapy Managers”).
- Expand eligibility to other key non-licensed providers to receive reimbursements for their time (CHWs, Certified Asthma Educators).
- Strengthen certification programs and oversight for such providers to facilitate professionalization and lay the groundwork for expanded reimbursement programs.

Time constraints are likely to persist; yet a changing climate of health care reform and models for provision of care seem to be creating new opportunities. Important to note as a particularly valuable; yet underutilized resource, was nurses. They are skilled in patient education, can receive reimbursements, and often have more time to work with patients in appropriate, confidential settings.

## PROVIDER PERSPECTIVES

The following are views shared by those who arrange and/or offer trainings for target licensed and non-licensed health providers and allied health professionals.<sup>1</sup>

### TARGET AUDIENCES FOR TRAININGS TO CONDUCT PATIENT ASTHMA SELF-MANAGEMENT EDUCATION

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**Broad Target Training Audiences:** Several felt that the target audiences for trainings on conducting patient asthma self-management education should be quite broad and reach across allied health professionals. In fact, many felt that all who encounter asthmatics during a visit could benefit from an understanding of asthma management, as could administrative and healthcare management staff.

*Everybody in the healthcare system who works in a primary care setting needs training on asthma, using a systems approach. There is a role for administrative staff [for example, in understanding scheduling needs], nurses, physicians, health educators, and CHW.*<sup>2</sup>

**Focused Target Training Audiences:** While many could benefit, more select audiences were favored as priorities for training programs. Priority, it was noted, should be given to those with complementary skills and experience, as well as having adequate time to provide quality patient education during encounters.

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<sup>1</sup> TWO KEY INFORMANT INTERVIEWS WERE CONDUCTED BY TELEPHONE AND A SEMI-STRUCTURED GROUP DISCUSSION WAS HELD WITH THE MAAP HEALTH WORKGROUP AT THE NOVEMBER 2010 STATEWIDE SUMMIT. TWO PARTICIPANTS ALSO SENT RESPONSES TO KEY INFORMANT QUESTIONS BY E-MAIL. ADDITIONAL COMMENTS WERE NOTED DURING CALLS WITH ORGANIZATIONS TO IDENTIFY TRAINING PROGRAMS.

<sup>2</sup> M. REID, BOSTON PUBLIC HEALTH COMMISSION

## SPECIFIC TARGET TRAINING AUDIENCES:

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**Nurses:** Given their skills and experience in patient education, nurses were among favored priority audiences. Among nurses, those with adequate time (at least a half hour or longer) to provide patient education during an encounter were considered most capable of providing the education needed by asthmatic patients and their families. Home care nurses were also recommended. Specifically recommended were RNs, LPNs, NPs, School nurses, visiting nurses, and those performing telephone triage. The Asthma and Allergy Foundation of America, New England Chapter is among organizations that have provided numerous in-depth nurses trainings in locations across the state.

COMMUNITY HEALTH  
WORKERS FOUND THE  
TRAINING WE OFFERED  
ON ASTHMA  
EMPOWERING. MANY  
WERE STRUCK TO LEARN  
WHY THEIR OWN  
CHILDREN SUFFERED  
FROM ASTHMA AND THEY  
TOOK SUBSEQUENT  
ACTIONS TO PREVENT  
THEM FROM BEING  
EXPOSED TO  
ENVIRONMENTAL  
TRIGGERS.  
*TATYANA GORODETSKY,  
OUTREACH WORKER TRAINING  
INSTITUTE*

**Community Health Workers (CHW):** Cultural and linguistic competencies, availability of time to devote to patient education, and cost-efficiencies were among advantages of CHW as a priority population for training. Personal benefits to CHW resulting from learning about asthma were pointed out as many are themselves from families that are high risk target populations.

It was observed that obstacles to CHW training have included the lack of ability to bill insurers for CHW services; yet indications are that this may be shifting. Another challenge has been that CHW technical skills and competencies may be less assured than their outreach and communication skills. The current context is that there is a lack of a strong infrastructure that outlines necessary core competencies and training requirements for CHW certification in asthma education. The growing recognition of the value of CHW was thought to indicate that this may be an opportune time to provide CHW trainings specific to patient asthma self-management and to strengthen networks and oversight that will help professionalize CHWs as asthma educators. The rigor of passing national exams to become a Certified Asthma Educator was mentioned as an important validation of competence that can help gain reimbursement.

**Pharmacists:** Given their widespread availability and contact with patients, pharmacists were among target audiences who could assist in patient asthma self-management education. Medical Therapy Managers are able to bill for their time providing patient education on medication use. Challenges include that pharmacists in commercial drug stores have significant time limitations (including, in some cases, hourly quotas for prescriptions to fill). Quality of educational services may also be hard to monitor. Strategies suggested include focusing on pharmacists in health care settings and/or those who are particularly competent and willing to serve as asthma resources for referrals.



**Nonhealth Professionals:** Coaches at schools were noted to have been a target audience for asthma education to help students; especially those with exercise-induced asthma. Childcare providers were also mentioned as a focus for training given their importance in caring for children who are asthmatics and in addressing trigger factors in their centers.

#### **TARGET AUDIENCES FOR TRAININGS TO CONDUCT SPIROMETRY TESTING**

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A recommended goal is to have spirometry more available in primary care settings.

*Everybody should have spirometry training who has an asthmatic patient. It is important in order to rule out other obstructive or restrictive diseases.<sup>3</sup>*

Different models to achieve that were mentioned. Partners Asthma Center provides spirometry specialist visits at a number of community health center (CHC) locations across Boston (including Brookside and Uphams Corner) providing a regular Friday clinic. Asthma educators are there who offer home visits and pulmonary testing. The CHC responsibility is to identify those who need those specialty services in the primary care settings and get them there for the special clinics.

This model of providing asthma clinic days allows spirometry to be more accessible to patients rather than bringing them to the hospital. Seen as even more important was the goal of building primary care site's continuum of care so that they can integrate spirometry into overall patient services.

**Primary Care Providers:** Primary care physicians with asthmatic patients who have access to spirometry equipment can benefit from training. It was noted that only one "asthma champion" provider in a clinic may be adequate to train, as others could refer to that clinician.

**Specialists:** While the focus of this evaluation is on primary care providers, one approach mentioned as a model that can increase availability of spirometry in primary care settings is for specialists providing spirometry to visit primary care settings during days devoted to asthma clinical services.

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<sup>3</sup> ELAINE CARTER, PARTNERS ASTHMA CENTER



**Nurses and Medical Assistants:** Were also recommended for spirometry training.

**Equipment:** It was noted that only providers who have access to spirometry equipment would benefit from training. Such equipment was claimed to be cost-effective, with a short period for pay-back reported by one of our key informants.

### **TRAINING PROVIDERS AND PROGRAMS**

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**Associations:** Associations for licensed health professionals were generally recommended as important partners in that they arrange trainings linked to obtaining Continuing Education Units (CEU) necessary for renewed licensure. Among associations, the American Lung Association of New England (ALA NE) was noted to be an important training source for asthma patient self-management education through their Asthma Educator Institute. ALA NE trainings had recently fallen off due to staff transitions, but ALA NE is prepared to restart these programs in the near future.

**Healthcare Organizations:** Partners Asthma Center, Asthma Education Institute was identified as another important training provider which often works with ALA. Partners provides a low-cost Quarterly Asthma Educator Training for Asthma Education Certification in Boston and hold trainings for non-licensed professionals in English and Spanish. They also regularly offer free grand rounds for doctors and nurses and preceptorships which are ½ day trainings for small groups designed around needs of participants. Additional resources for providing training for target audiences were identified among staff within healthcare institutions, including from the Asthma Team, Physician Asthma Champion, and Certified Asthma Educators. Most hospitals in the Boston area were noted to provide asthma trainings for their providers. Dorchester House was noted as among CHC who are training their staff in spirometry.

**Regional CHW Training Centers:** These regionally recognized centers to train CHW are in several locations across Massachusetts. Among them is the Boston Public Health Commission (BPHC) Community Health Education Center (CHEC) whose asthma trainings have been offered through CHEC in other regions. Right now the training the Boston CHEC is able to offer was described by BPHC as “somewhat limited.” The CHEC has a certification training in Community Health Work that is very skill-based and asthma is a 3-4 hour component. BPHC considered this too brief for what the CHW would need for asthma care and are working with the Department of Public Health to identify components for a

more comprehensive asthma training. Long-term apprenticeship models were also recommended to enrich training over time.

**Insurers:** Health plans in the state were noted to engage in initiatives to increase provision of patient asthma self-management education and to have provided support for pilot outreach in non-clinical settings, such as schools and home visits. While lack of reimbursement for community health workers (CHW) services was raised as a serious obstacle, this may be changing as growing support was noted among health plans in their support of asthma education entailing community health workers. Neighborhood Health Plan was mentioned as having spirometry initiatives in which they conduct trainings for pilot health center sites.

**THERE ARE SO MANY MEDICATIONS AND DEVICES (DRY POWDERS, INHALERS...). IT'S NOT LIKE TAKING A PILL. PATIENTS HAVE TO USE A DEVICE [AND THEREFORE NEED DETAILED INSTRUCTIONS].**

**Pharmaceutical Companies:** Informants note that private pharmaceutical companies are a significant source of training. GlaxoSmithKline (GSK), which participates in the MAAP Health Workgroup, has ongoing training programs they conduct across Massachusetts for regional care coordinators. Foundations established by insurance companies offer additional resources, for example the Merck Company Foundation supports resource sharing through the Merck Childhood Asthma Network. At the same time, it was asserted that training by pharmaceutical companies on medications use has been limited by recent state regulation. This was expressed to have contributed to a gap in previously widespread trainings on asthma basics, use of complex medications and delivery systems, and recommended asthma guidelines for health professionals.

**Medical Equipment Suppliers:** The manufacturers of spirometry equipment will provide on how to use the machine including how to perform a Spirometry maneuver and calibration of the machine. It was mentioned that the follow-up support from such training may not be consistent.

### **RECOMMENDATIONS TO ENGAGE TARGET AUDIENCES**

Not enough providers were seen as spending enough time becoming educated about asthma. To engage primary care providers, it was recommended to directly ask them what they need (one suggested topic was medication therapy management). To increase participation, conduct as part of CME or other CEU professional trainings. Providers were noted to participate in trainings for license renewal and for the Medical Home Model. An additional recommendation was to ensure trainings occur across the state and not just in the Boston area.

Associations for these licensed providers were noted to as very useful for engagement. The new, shortened NHLBI asthma guidelines were also seen as helpful.

Partners Asthma Center noted their efforts to reduce all obstacles to trainings. The trainings are free or low-cost, offered during the weekday and weekend, food and childcare is provided, and they are easily accessible by public transportation (although transportation may still be an obstacle for some who might participate). They publicize widely in partnership with the ALA and have conducted some trainings in other regions of the state, partnering with area institutions as hosts. They mentioned that their outreach to individual private practitioners could be expanded upon if they could afford larger mailings or obtain access to e-mail list-serves for such practitioners (such as through the American Medical Association or Massachusetts Medical Society).

While many were not aware of the range of online trainings available, such training was considered potentially valuable for engaging providers; especially since they are so busy. Partners Asthma Center noted they are in the process of creating a new online training. (Note this was completed and is now available in the listings)

While online trainings were thought to be helpful in terms of convenience, in person trainings were considered the most effective. "Lectures are wonderful." Opportunities for providers to discuss their experiences and asthma education strategies with one another were seen as particularly valuable. For spirometry trainings, hands-on experiences with the equipment was thought to be essential.

A problem identified with asthma education is lack of a system. The reimbursement was noted to be poor to nonexistent, and system design is not set up to support identification of those who need extra asthma education support. Provider training was considered a means of creating more opportunities for billing and reimbursement.

Certification in spirometry was seen as advantageous. Several years ago the Boston Public Health Commission provided several scholarships and paid for the certification exam in spirometry for approximately 15 providers who became certified in Boston. However, it was noted that the certification has not necessarily led to reimbursement for the spirometry services they provide.

Improvements to CHW training on provision of asthma self-management education were seen as necessary. It was noted that credentialing as a CHW is not topic-specific; it is skills specific in MA. Recommended first steps would be to capture what is essential training content and designing methodology for evaluating and documenting that CHW gained the necessary skills. CHW, in conducting peer to peer work, can be isolated and face many challenges. Bringing them together regularly to demonstrate best practices, conduct role-playing, and model responsibilities was seen as important. It was noted that CHW are hired more for communication skills than technical skills and so need solid training & supervision. Movement underway to professionalize CHW was discussed, so that their training, services, and oversight is systematized and it is easier to reach them and support their convening and training.

Currently there is no financial infrastructure built in and it was noted that CHW are often funded through grants and research. Health care reform is providing opportunities to change this with the move to Medical Home Models seen as important alongside growing recognition by health insurers that CHW can offer important health promotion services to address asthma and other conditions. A model was seen in certified diabetes educators who were said to be able to obtain reimbursement for their patient education services.

# LISTING OF ASTHMA TRAINING ORGANIZATIONS

## MASSACHUSETTS

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### **Asthma and Allergy Foundation of America, New England Chapter**

Asthma Management and Education is a two-hour program that covers the latest information on the pathophysiology of asthma and allergy; current treatment methods; effective techniques for patient education; ways to prevent asthma episodes; and hands-on experience with peak flow meters and demonstration of medication delivery devices. The program is approved for 2.6 contact hours for nurses and 2 CRCE credits for RTs. Contact AAFA New England for dates and locations. (An on-line version of this program is offered by the Asthma and Allergy Foundation of America. See [www.aafa.org](http://www.aafa.org) - click on "Health Professionals").

Asthma and Allergy Foundation of America, New England Chapter  
109 Highland Ave.  
Needham, MA 02494  
Phone: 781-444-7778  
Email: [aafane@aafane.org](mailto:aafane@aafane.org)  
Website: [www.asthmaandallergies.org](http://www.asthmaandallergies.org)

### **American Lung Association**

The American Lung Association has a number of [tools and resources for health professionals](#) with an interest in asthma, including the [Asthma Educator Institute](#) preparatory course.

American Lung Association of New England  
Headquarters: 460 Totten Pond Road, Suite 400  
Waltham, Massachusetts 02451-1991  
Association Phone: (781) 890-4262,  
Email: [info@lungne.org](mailto:info@lungne.org)  
Website: <http://www.lungne.org/>

American Lung Association in Springfield, MA  
393 Maple Street

Springfield, MA 01105  
Phone: (413) 737-3506  
Email: [info@lungne.org](mailto:info@lungne.org)  
Website: <http://www.lungne.org/>

The Medical and Scientific Branch (MSB) is the medical section of the American Lung Association in Massachusetts and its goals include the promotion and improvement of the respiratory health of Massachusetts residents. Membership in the MSB includes primary care physicians and nurses, as well as respiratory specialists, researchers and others with a common interest of preventing and fighting lung disease. The MSB activities include education programs that promote the study, prevention, understanding, and management of respiratory disease.

The ALA Medical and Scientific Branch  
460 Totten Pond Road, Suite 400  
Waltham, Massachusetts 02451-1991  
Phone: (781) 314-9003 Fax: (781) 890-4280  
Email: [info@lungne.org](mailto:info@lungne.org)  
Website: <http://www.lungne.org/>

### **Boston Public Health Commission (BPHC)**

BPHC, Boston's health department, is an important source for asthma training, policy, and support. BPHC is among regionally recognized Community Health Education Centers (CHEC) which train Community Health Workers in several locations across Massachusetts (*see: CHEC Northeast below and the section Additional Professional Organizations for Target Audiences*). Their CHEC hosts a monthly gathering of CHWs to network, share outreach strategies, and learn about services and resources for clients. BPHC leads The Asthma Home Visit Collaborative, which provides community health workers for home visits in the Boston area.

Asthma Prevention and Control Program  
Boston Public Health Commission  
1010 Massachusetts Ave, 2nd or 6th Floor  
Boston, MA 02118  
Phone: (617) 534-5966  
Fax: (617) 534-2372  
Email: [asthma@bphc.org](mailto:asthma@bphc.org)

Websites:

<http://www.bphc.org/programs/cib/healthyhomescommunitysupport/asthmaprevention/Pages/Home.aspx>

Community Health Education Center

35 Northampton St. 5th floor,

Boston, MA 02118

Phone (for CHW networking): (617) 354-2432

<http://www.bphc.org/programs/chec/chectrainings/Pages/Home.aspx>

## **Community Health Education Center Northeast**

The CHEC Northeast operates as part of the Lowell Community Health Center. They provide cross-training, education and professional development opportunities for local /or regional outreach educators and their supervisors. They provide community health education, health modules, seminars and workshops and offer a comprehensive certificate program. They also facilitate monthly networking luncheons and publish a biannual newsletter affording Outreach Educators opportunities to exchange information, connect with community resources, learn about current public health issues, and establish peer support. Upcoming training includes **Enhanced Medical Interpreting: Asthma**.

CHEC Northeast

144 Merrimack Street, 2<sup>nd</sup> Floor

Lowell, MA 01852

Phone: 978-452-0003

Website: <http://www.lchealth.org/CHEC.shtml>

## **Boston Asthma Initiative**

A program of ESAC Boston, a community-based non-profit organization. BAI employs community health workers with language and cultural competencies, providing them with special training in asthma. The initiative partners with Children's Hospital, which provides nurse case management services and home visits.



## **ESAC Boston**

3313 Washington Street, Second Floor  
Jamaica Plain, MA 02130  
Phone: (617) 524-2555  
Fax: (617) 524-2430  
Website: <http://www.esacboston.org/>

## **Health Resources in Action (formerly The Medical Foundation)**

An independent, Massachusetts nonprofit HRiA provides training as well as technical assistance, coaching, and mentoring “to build and sustain healthy communities.” HRiA coordinates the Asthma Regional Council (ARC), an important advocacy and networking resource for New England. ARC shares training opportunities, educational resources, and advocates for policies and provider practices that improve all aspects of asthma patient care as well as other arenas of asthma prevention and control measures.

Health Resources in Action  
95 Berkeley Street  
Boston, MA 02116  
Phone: (617) 451-0062 Fax: (617) 451-0007

622 Washington Street  
Dorchester, MA 02124  
Phone: (617) 451-0049 Fax: (617) 282-3950  
HRiA Website: [www.hria.org](http://www.hria.org)  
Asthma Regional Council Website: <http://asthmaregionalcouncil.org>

## **Neighborhood Health Plan (NHP)**

Under its Asthma Disease Management Program (ADMP), NHP provides an Asthma Home Visitation Program (AHVP) to all members living with asthma in need of in-depth multilingual, low-literacy asthma education and/or home environmental assessment. The ADMP also helps primary care providers improve asthma care by enhancing programs at primary care sites; increasing provider awareness and compliance with asthma treatment guidelines. NHP’s website provides access to several provider-focused resources. By collaborating with community-based initiatives, including the Boston Asthma Initiative, the Greater Brockton Asthma Coalition, and State and regional partners, the ADMP

strengthens Massachusetts' community-wide approach to asthma management. NHP has developed and implemented a Spirometry Program piloted at several community health centers. The NHP Spirometry Program and Training consists of two trainings: **Simple Office Spirometry in the Primary Care Setting** and **Asthma Management with Interpretation of Spirometry**.

Neighborhood Health Plan  
Asthma Disease Management Program  
253 Summer St.  
Boston, MA 02210  
Phone: 617-428-7409  
Website: <http://www.nhp.org>

## Partners Asthma Center

The Asthma Educators Institute at Partners Asthma Center offers introductory and advanced seminars for health professionals. One-day symposia presenting the knowledge and skills needed to be an effective Asthma Educator and to prepare for the National Asthma Educator Certification Board (NAECB) examination are designed for nurses, nurse practitioners, physicians assistants, respiratory therapists, pharmacists, and asthma case managers. The current introductory program is **Becoming an Asthma Educator: Learning to Teach Patients and Families about Asthma**, an advanced symposium is offered on **Asthma and COPD: Understanding the Similarities and Differences. Learn & Teach** is offered for childcare providers, medical assistants, CHW (non-licensed professionals in Spanish & English). Partners Asthma Center has created a new distance-learning program for healthcare professionals; a 9 module program on **Becoming an Asthma Educator** which awards 6 CEU credit hours for nurses, respiratory therapists, and pharmacists. Modules cover Understanding and Teaching the Mechanisms of Asthma; The Asthma Guidelines: Diagnosis and Assessing Control of Asthma; Ambulatory Management of Asthma; Lung Function Measurements/Peak Flow; Special Considerations in Children; Assessing Allergic Sensitivity and Allergen Exposures; Inhalers and Inhalational Aids; Managing Asthmatic Attacks; Developing an Asthma Action Plan; and Preparing for the National Asthma Educators Certification Board Examination/

In addition the Center regularly performs free Grand Rounds on asthma held at Brigham & Women's Hospital (open to all providers) and travels for trainings in other parts of the state. Additional trainings are held on topics such as exercise-induced asthma, and asthma and food allergies. Preceptorships tailored for individuals and small groups can also be arranged.

Partners Asthma Center  
PBB-3  
15 Francis Street, Boston MA 02115  
Phone: (800) 9PARTNERS or (617) 732-7419  
E-mail: [asthma@partners.org](mailto:asthma@partners.org).  
Website:  
<http://www.asthma.partners.org/newfiles/AsthmaEducatorsInstitute.html>

## **Massachusetts Medical Society**

MMS creates CME in-person and online courses as well as television broadcasts available online. A Physician Focus on Asthma broadcast created with the Asthma and Allergy Center of MA is available to introduce asthma including its diagnosis and triggers.

Website: <http://www.massmed.org>  
Physician Focus on Asthma:  
<http://www.hcam.tv/series/physicianfocus/episodes/2010-07-Asthma.shtml>

## **The Boston Asthma Centers Coalition**

The Coalition is a consortium of Asthma Center Directors from all of the major Boston teaching hospitals (plus Cambridge Health Alliance and Lahey Clinic). Included in its mission is to share expertise and information among asthma leaders and to further educational programs related to asthma.

Partners Asthma Center  
PBB-3  
15 Francis Street, Boston MA 02115  
Contact: Christopher H. Fanta, M.D.  
Phone: 617-732-4353  
Fax: 617-732-7421  
[lcfanta@partners.org](mailto:lcfanta@partners.org)  
Website: <http://bostonasthmacenters.org/>

## Cambridge Health Alliance

The Cambridge Health Alliance is a Massachusetts-based integrated health system that provides care in Cambridge, Somerville, and Boston's Metro-North communities. It includes three hospitals, more than 20 primary care practices, the Cambridge Public Health Department, and the Network Health Plan. The Alliance trains and deploys nurses and community health workers skilled in identifying and addressing asthma self-management. This includes in community settings, such as through their Somerville-Cambridge Healthy Homes program and incorporation of school nurses and home visit providers into hospital chronic health teams. Academic partners, including Tufts University Family Medical Residency, incorporate asthma into their education programs for family practitioners.

## Children's Hospital Boston

The Community Asthma Program at Children's Hospital Boston, provides educational programs. Their 90-minute educational session, **Asthma Basics**, filled with useful provides an overview of asthma and asthma self-management, including: physiology, signs and symptoms, triggers and environmental factors, medications, delivery devices, and Asthma Action Plans. The free session is available to any group of adults with children, in their personal or professional lives, who have been diagnosed with asthma.

Children's Hospital Boston

300 Longwood Avenue

Boston, MA 02115

Phone: 617-919-3069

E-mail: [amy.burack@childrens.harvard.edu](mailto:amy.burack@childrens.harvard.edu)

Website:

<http://www.childrenshospital.org/clinicalservices/Site1951/mainpageS1951P18.html>

## **Baystate Health Medical Center/Tufts University**

Baystate offers an online continuing education program designed to further the State Asthma Plan by improving asthma self-management and to improve the integration of care in schools and other child care settings. The intended audience is school nurses and nurses working in pediatric offices in order to improve asthma self-management and integrate care of childhood asthma with schools and other settings. Included is an interactive online forum.

Developed by Matthew D. Sadof, MD

Baystate Health

759 Chestnut Street

Springfield, MA 01199

Website:

<https://securebhs.baystatehealth.com/eLearnWeb/GetCourseDescription?ExamID=2794>

## **Northeastern School Health institute**

The Institute partners with MDPH's School Health Unit to develop continuing education programs for school nurses. Offers day programs and online training for nurses, including the online [Pediatric Asthma and Implications for the School Nurse](#) and a day program on [smoking cessation](#).

Contact: Ann Farrell, RN, MS, M.Ed

Assistant Director, School Health Institute

Northeastern University - Burlington Campus

145 South Bedford Road, Burlington, MA 01803

Phone 781-238-8409

Website: <https://neushi.ceedutest.com/>

### FEDERAL AGENCIES

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#### **National Heart Lung and Blood Institute**

The NHLBI administers and coordinates the National Asthma Education and Prevention Program (NAEPP) to address the growing problem of asthma in the United States. The NAEPP also provides online information to health professionals, patients, major medical associations, voluntary health organizations, allied professionals, pharmacists, and community programs. Among NAEPP resources to educate health professionals are the Physician Asthma Care Education Program (PACE). The PACE program is an evidence-based “two-part interactive, multi-media educational seminar to improve physician awareness, ability, and use of communication and therapeutic techniques for reducing the effects of asthma on children and their families. It also provides instruction on how to document, code, and improve asthma counseling reimbursement.”

National Asthma Education and Prevention Program

NHLBI Health Information Network

P.O. Box 30105

Bethesda, Maryland 20824-0105

Phone: (301) 592-8573

Fax: (301) 592-8563

Website: [www.nhlbi.nih.gov](http://www.nhlbi.nih.gov)

NHLBI Asthma Portal:

<http://www.nhlbi.nih.gov/guidelines/asthma/index.htm>

NAEPP: <http://www.nhlbi.nih.gov/about/naepp/index.htm>

Pace Website:

<http://www.nhlbi.nih.gov/health/prof/lung/asthma/pace/index.htm>.

#### **Centers for Disease Control (CDC)**

Provides educational information and resources on asthma for specific groups that include healthcare, workplace, and public health professionals; patients and families; and schools and childcare providers. Among these is Asthma: A Presentation of Asthma Management and Prevention a slide presentation

depicting the pathophysiology of asthma; prevalence, mortality, and morbidity measures at the national level; risk factors; medical management; and the public health response needed to successfully fight asthma.

Website: <http://www.cdc.gov/asthma/>

Phone: 1-888-232-6789

## Agency for Toxic Substances and Disease Registry

ATSDR offers online training for health-care providers, health educators, and other health professionals interested in environmental health. Among these are the **Pediatric Environmental Health Toolkit (PEHT)** developed in collaboration with CDC and other federal agencies and professional organizations. Another online course is the **ATSDR Case Study in Environmental Medicine: Environmental Triggers of Asthma**. CMEs, CNEs, CHEs, and other CEUs are available.

PEHT training module:

<http://www.atsdr.cdc.gov/emes/training/index.html>

Case Study in Environmental Medicine: Environmental Triggers of Asthma:

[http://www2a.cdc.gov/TCEOnline/registration/detailpage.asp?res\\_id=1688](http://www2a.cdc.gov/TCEOnline/registration/detailpage.asp?res_id=1688)

Community Environmental Health Instructional Presentation Kits and

Community Environmental Health Web Stream Presentations:

[http://www.atsdr.cdc.gov/emes/public/health\\_presentations.html](http://www.atsdr.cdc.gov/emes/public/health_presentations.html)

## National Institute of Occupational Safety and Health (NIOSH)

The **NIOSH-Approved Spirometry Training Courses** (introductory and refresher) incorporate the most recent 2005 American Thoracic Society and European Respiratory Society (ATS/ERS) spirometry testing procedures and interpretation standards. Currently three certified trainers offering programs are listed in MA; although one is restricted to Civilian Federal workers, active duty or reserve military only. NIOSH also offers a primer on occupational asthma and resources on occupational exacerbation of asthma.

Asthma Website: <http://www.cdc.gov/niosh/topics/asthma/>

NIOSH-Approved Spirometry Training Program

Division of Respiratory Disease Studies

Mail Stop H-G900.2



1095 Willowdale Road  
Morgantown, West Virginia 26505-2888  
304-285-5792      304-285-5792      (voice)  
304-285-6111 (fax)  
[spirometry@cdc.gov](mailto:spirometry@cdc.gov)  
<http://www.cdc.gov/niosh/topics/spirometry/training.html>  
Health Research Associate, Concord, MA Spirometry Training:  
<http://www.healthresearchassociates.org/>

## EPA Asthma Team

The Environmental Protection Agency has useful resources to learn about identifying and addressing asthma trigger programs. EPA's new guide, **Implementing An Asthma Home Visit Program: 10 Steps To Help Health Plans Get Started**, offers step-by-step instructions on how to start an asthma home visit program with a particular emphasis on environmental risk factor management.

Asthma Website: <http://www.epa.gov/asthma>  
Implementing Asthma Home Visit:  
[http://www.epa.gov/asthma/pdfs/implementing\\_an\\_asthma\\_home\\_visit\\_program.pdf](http://www.epa.gov/asthma/pdfs/implementing_an_asthma_home_visit_program.pdf)

## National Library of Medicine

MedlinePlus pages on asthma include helpful patient education resources. Included is a low-literacy tutorial on asthma in English and Spanish which can be a helpful tool for patient asthma self-management education. Fact sheets are available to patient education resources on treatment, use of medication, occupational asthma, and other topics. PubMed Clinical Review can help providers locate research and guidelines.

MedlinePlus Asthma Website:  
<http://www.nlm.nih.gov/medlineplus/asthma.html>  
PubMed Clinical Query Website:  
<http://www.ncbi.nlm.nih.gov/pubmed/clinical>

### **Allergy & Asthma Network Mothers of Asthmatics (AANMA)**

Allergy & Asthma Network Mothers of Asthmatics (AANMA) offers basic asthma information for lay audiences. They also have online resources in English and Spanish to address home and school settings and on the use of medications and delivery devices.

Allergy & Asthma Network Mothers of Asthmatics  
8201 Greensboro Drive, Suite 300  
McLean, VA 22102  
Phone: 800-878-4403  
Fax: 703-288-5271  
Website: <http://www.aanma.org>

### **Asthma Community Network**

This network “provides community-based asthma programs a platform for real-time learning that can drive the ongoing improvement of asthma care.” Free education programs and webinars, educational resources, model initiatives, and opportunities to share experiences are offered to registered members via their website. Participants include communities and organizations addressing asthma from across the nation. Sponsors include the U.S. Environmental Protection Agency in partnership with Allies Against Asthma, a program of the Robert Wood Johnson Foundation and the Merck Childhood Asthma Network. Inc. (MCAN), a nonprofit organization funded by the Merck Company Foundation.

E-mail: [networksupport@asthmacommunitynetwork.org](mailto:networksupport@asthmacommunitynetwork.org)  
Website: [www.AsthmaCommunityNetwork.org](http://www.AsthmaCommunityNetwork.org)

### **Asthma and Allergy Foundation of America**

AAFA offers several programs that have been recognized by the U.S. Centers for Disease Control and Prevention (CDC) as potentially effective educational interventions. Included are **Asthma Management and Education Online**, a free continuing education course conforms with the National Asthma Education and

Prevention Program (NAEPP) 2007 Expert Panel Report 3; **Asthma Management and Education** 2-hour CEU workshops for allied health professionals; and **Asthma and Allergy Education for Worksite Clinicians**, a program for health professionals to educate worksite clinicians who want to help employees control their asthma and allergies. Also available are patient education materials, tools for providers in school settings, and resources for childcare providers.

Phone: 1-800-7-ASTHMA

E-mail: [info@aafa.org](mailto:info@aafa.org)

Website: <http://aafaprograms.hbp.com/>

## Education for Health

Formerly the National Respiratory Training Center, Education for Health is an independent, nonprofit organization that trains allied health professionals to improve the care of patients with respiratory and allergic disease. Offers [accredited training programs](#) and [educational resources](#) promoting use of practice guidelines and taking active roles within health practices.

Education for Health

PO Box 5468

Suffolk, Virginia 23435

Telephone: (757) 679-2603

Email: [info@educationforhealth.org](mailto:info@educationforhealth.org)

Website: <http://www.nrtc-usa.org/>

## Medscape Asthma CME Learning Center

Medscape is an online network of resource used by physicians and other health care professionals offered on the privately-operated WebMD platform. Included in free accounts are CME/CE in asthma (and other specialty areas), as well as asthma-focused medical news, conference coverage, full-text journal articles, and other resources including peer-reviewed clinical reference and drug reference tools and discussion forums.

Medscape, LLC

370 Seventh Avenue, Suite 1101

New York, NY 10001-3967

Phone: (212) 301-6700

Medscape Asthma Website:

<http://www.medscape.com/resource/asthma>

CME Asthma Website:

<http://cme.medscape.com/resource/asthma/cme>

## National Environmental Education Foundation

NEEF Pediatric Asthma Initiative aims to integrate environmental management of asthma into pediatric medical and nursing education and practice. Resources include a free online webinars for CME credits: *ENVIRONMENTAL MANAGEMENT OF PEDIATRIC ASTHMA: GUIDELINES FOR HEALTH CARE PROVIDERS*. They also offer guidelines and tools such as **Environmental Health History** forms.

National Environmental Education Foundation

4301 Connecticut Avenue NW, Suite 160

Washington, DC 20008

Phone: (202) 833-2933

Fax: (202) 261-6464

E-mail: [health@neefusa.org](mailto:health@neefusa.org)

Website: <http://www.neefusa.org/health/asthma/index.htm>

## National Health Lung Education Program (NLHEP)

The **NLHEP** provides outreach and educational resources for physicians, their patients and the public. A number of informational resources on spirometry can be downloaded from their website.

Medical Resources Website: <http://www.nlhep.org/resources-medical.html>

## National Jewish Health

The Office of Professional Education at National Jewish Health provides CME and Continuing Education to physicians, nurse practitioners, physician assistants, pharmacists, registered nurses, and allied health professionals. Online programs are available, including **COPD Connection** which includes use of spirometry in diagnosis of respiratory conditions. Collaborations to create new CME training programs are encouraged.

Office of Professional Education  
National Jewish Health  
1400 Jackson Street  
Denver, CO 80206  
Phone: 800-844-2305  
Fax: 303.270.2239  
E-Mail: [proed@njhealth.org](mailto:proed@njhealth.org)  
Website: <http://www.nationaljewish.org/education/pro-ed/index.aspx>  
Course Catalogue: [http://cmelogix.org/LMX/course\\_catalog.php](http://cmelogix.org/LMX/course_catalog.php)

### **The Institute for Continuing Education**

Offers professional education on a large number of topics for healthcare audiences including nurses and other health professionals. Topics include respiratory health, general healthcare, diversity issues, homecare and those recommended by JCAHO and required under OSHA. Current courses include **Diagnosing and Managing Asthma, Pediatric Asthma, Improving Childhood Asthma Outcomes in the United States: A Blueprint for Policy Action**, and **Respiratory Home Care Issues**. Courses are available in many formats, including online, CDROM, PDF by email, and hardcopy/UPS courses.

Institute for Continuing Education  
8176 Center Street, Suite C  
La Mesa, CA 91942  
Phone: (800) 990-2377; 619-445-3777  
Fax: (503) 218-7415  
Email: [inform@ceu.org](mailto:inform@ceu.org)  
Education Website: [www.ceu.org](http://www.ceu.org)

### **University of Michigan Center for Managing Chronic Disease**

A Strategic Partner for the NHLBI Physician Asthma Care Education (PACE) Program. The Center also administers [Allies Against Asthma](#), a program of the Robert Wood Johnson Foundation.

**University of Michigan**  
Center for Managing Chronic Disease  
1415 Washington Heights

Ann Arbor, MI 48109-2029  
Phone: (734) 763-1457 | Fax: (734) 763-7379  
E-Mail: Noreen Clark at [nmclark@umich.edu](mailto:nmclark@umich.edu)  
PACE Website: <http://cmcd.sph.umich.edu/physician-asthma-care-education-pace.html>  
Pace Plus Website: <http://cmcd.sph.umich.edu/pace-plus.html>  
Nurse Asthma Care Education: <http://cmcd.sph.umich.edu/55.html>

## **BOARDS & ASSOCIATIONS:**

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### **American Academy of Allergy, Asthma & Immunology (AAAAI)**

AAAAI provides a variety of educational opportunities that support its mission: the advancement of the knowledge and practice of allergy, asthma and immunology for optimal patient care. Note: Trainings may be limited to members.

#### **American Academy of Allergy, Asthma & Immunology**

555 East Wells Street  
Suite 1100  
Milwaukee, WI 53202-3823  
Phone: (414) 272-6071  
E-Mail: [cme@aaaai.org](mailto:cme@aaaai.org)  
Websites: For Professionals  
<https://www.aaaai.org/professionals.stm>  
Educational Resources (for providers and patients)  
<https://www.aaaai.org/patients/store/Default.asp> ;  
AAAAI CME Calendar:  
[http://www.aaaai.org/members/cme\\_ce/calendar.stm](http://www.aaaai.org/members/cme_ce/calendar.stm)

### **American Academy of Family Physicians**

Provides patient education resources online, including: **Asthma: Learning to Control Your Symptoms** and **Asthma: Controller and Quick-Relief Medicine through familydoctor.org**. They offer a number of CME courses and Journal articles such as **Supporting Self-management in Patients with Chronic Illness**.

American Academy of Family Physicians  
P.O. Box 11210

Shawnee Mission, KS 66207-1210

Phone: 800-274-2237

Fax: 913-906-6075

Website: <http://www.aafp.org/online/en/home.html>

Asthma: Learning to Control Your Symptoms:

[www.familydoctor.org/online/famdocen/home/common/asthma/basics/014.html](http://www.familydoctor.org/online/famdocen/home/common/asthma/basics/014.html)

Asthma: Controller and Quick-Relief Medicine:

[www.familydoctor.org/online/famdocen/home/common/asthma/basics/014.html](http://www.familydoctor.org/online/famdocen/home/common/asthma/basics/014.html)

Supporting Self-management in Patients with Chronic Illness:

<http://www.aafp.org/afp/2005/1015/p1503.html>

## American Academy of Pediatrics

Has several online asthma course offerings for CME and other CEU credits for members and nonmembers (fees may apply). Included is **EQIPP Diagnosing and Managing Asthma in Pediatrics** *The goal of this course is to help you create a plan for improvement to address gaps you identify in key clinical activities of asthma care.* **Asthma Gadgets 2010:** *The goal of this module is to increase knowledge about the proper use, technique, and care of asthma medication delivery devices and patient aids for self-management.* The website also offers an online **patient education center**.

CME Finder: <http://www.pedialink.org/cmefinder/>

Patient Education Online: <http://patiented.aap.org/>

## American Association of Respiratory Care

Further respiratory care education, Provides Continuing Respiratory Care Education credits including through online, and self-study AARC courses. Among offerings are the **Asthma Educator Prep Course**, **School Nurse - Managing Asthma Triggers (MAT)** and **Indoor Asthma Triggers and the Respiratory Therapist**. **Peak Performance USA** is a free national asthma awareness/school health program designed to assist school nurses and personnel to help children live healthier lives by controlling their asthma, with aid from local respiratory care professionals.



## American School Health Association

In an effort to support school health professionals and school staff in asthma treatment and control for all students, ASHA has created a very valuable Asthma Resource Portal with descriptions and direct links to online trainings. Listings include: **Teaming Up for Asthma Control – School Nurse Online-Module**. This free online training program, developed by several collaborators including CDC, provides school nurses with a 2-hour web-based Asthma Best Practices course utilizing the Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma (EPR3-2007) and provides clear, evidence-based approaches for improving asthma care. They also develop their own trainings, including: **Asthma Control: Are You Doing YOUR Part? An Update for School Nurses in School-based Asthma Management**. This webinar provides school nurses with information on the six guidelines-based priority messages from the NAEPP's Guidelines Implementation Panel (GIP) Report, as well as advances in school-based asthma management and techniques to overcome barriers to controlling asthma in the school setting. With the National School Boards Association they created an **Asthma Communications Kit** is to provide school leaders with a one-stop online resource to obtain information, forms, and templates to communicate about asthma management in schools with staff, parents, the community, and the media.

4340 East West Highway, Suite 403

Bethesda, MD 20814

Phone: 301.652.8072

Email: [info@ashaweb.org](mailto:info@ashaweb.org)

Asthma Portal:

<http://www.ashaweb.org/i4a/pages/index.cfm?pageid=3420>

Asthma Control: Are You Doing YOUR Part? Website:

<http://www.ashaweb.org/i4a/pages/index.cfm?pageid=3423>

Asthma Communications Kit Website:

<http://aasa.org/asthmatoolkit.aspx>

Teaming Up for Asthma Control Online Module:

<http://video.esgn.tv/player.php?p=z80240ko>

## American College of Allergy, Asthma and Immunology (ACAAI)

ACAAI offers online courses for CME credits on the ACAAI Web site.

Website: [www.acaai.org](http://www.acaai.org) (Lists trainings for ACAAI members)  
<http://allergy.mcg.edu> (Lists nonmember trainings in the physician information section).

## American College of Chest Physicians

Offers online lessons and lecture series developed by an editorial board of expert clinicians featuring up-to-date information on current pulmonary medicine issues. Among current offerings is **Irritant Induced-asthma** which includes guidelines for use of spirometry. Patient education materials are available for download, including **Instructions for Inhaled Devices in English and Spanish** with step-by step instructions for patients and physicians. Clinical guidelines are also available.

American College of Chest Physicians  
3300 Dundee Road  
Northbrook, IL 60062-2348  
United States of America  
Phone: (847) 498-1400  
Fax: (847) 498-5460  
Website: <http://www.chestnet.org/accp/>  
Irritant-induced asthma: <http://www.chestnet.org/accp/irritant-induced-asthma>

## American Nursing Association (ANA)

Offers online courses on patient self-management of asthma that provide continuing nursing education, including **Keeping Asthma At Bay: The latest evidence-based guidelines highlight ways to help patients control the disorder.**

Online Course - Keeping Asthma At Bay:  
<http://nursingworld.org/mods/mod457/asthmafull.htm>

## American Osteopathic Association

The Association's free online course on Asthma measures current clinical processes and outcomes of care in the physician office and provides comparisons to peers and national benchmarks. Software with the course allows for retrospective review of medical records to identify quality improvement opportunities.

Website: <http://www.osteopathic.org>

## American Respiratory Care Foundation

**American Association for Respiratory Care**, Executive Office

9425 N. MacArthur Blvd. Suite 100

Irving, TX 75063-4706

USA

Phone (972) 243-2272

Fax (972) 484-2720

E-mail: [info@aacrc.org](mailto:info@aacrc.org)

Web Site <http://www.aarc.org>

Peak Performance USA: <http://www.PeakPerformanceUSA.info/>

Asthma educator prep course:

[http://www.aarc.org/education/asthma\\_course/](http://www.aarc.org/education/asthma_course/)

Archived webcasts:

[http://www.aarc.org/education/webcast\\_central/past\\_programs.cfm](http://www.aarc.org/education/webcast_central/past_programs.cfm)

– AARC Sponsors the **American Respiratory Care Foundation**. One of its programs is support of postgraduate education through the **GlaxoWellcome Fellowship for Asthma Care Management Education**.

American Respiratory Care Foundation

11030 Ables Lane

Dallas, TX 75229-4593

Email Address: [info@aacrc.org](mailto:info@aacrc.org)

Phone: 972 243 2272

Fax: 972 484 2720

Website: <http://www.aarc.org>

## American Thoracic Society

The American Thoracic Society provides continuing medical education for physicians. ATS trainings are accredited by the Accreditation Council for Continuing Medical Education and earn AMA PRA Category 1 Credit™.

American Thoracic Society

61 Broadway

New York, NY 10006-2755

Phone: (212) 315-8600

Fax: (212) 315-6498

ATS Education Unit

Phone: 212-315-8693

Email: [education@thoracic.org](mailto:education@thoracic.org)

Education Website: <http://www.thoracic.org/education/>

CME Sponsorship: <http://www.thoracic.org/education/cme-sponsorship/index.php>

CME Contact Rachel Makleff at 212 315 8644 or by email at

[rmakleff@thoracic.org](mailto:rmakleff@thoracic.org)

Events calendar: <http://www.thoracic.org/sections/meetings-and-courses/calendar-of-events/index.cfm>. Organizations wishing to have their offering included may send a request to [webpublishing@thoracic.org](mailto:webpublishing@thoracic.org)

## Association of Asthma Educators (AAE)

The primary purpose of the AAE is “to promote asthma education as an integral comprehensive asthma program, to raise the competence of health care professionals who educate individuals and families affected by asthma, and to raise the standard of care and quality of asthma education delivered to those with asthma.” Provides evidence-based asthma education, including AAE National Asthma Educator Certification courses and review courses. Promotes Asthma Educator’s Day (in May) and produces the Culturally Competent Asthma Education Monograph.

Association of Asthma Educators

1215 Anthony Avenue

Columbia, SC 29201-1701

Phone: (888) 988-7747

Fax: (803) 254-3773  
Email: [info@asthmaeducators.org](mailto:info@asthmaeducators.org)  
Website: <http://www.asthmaeducators.org>  
Education Website:  
<http://www.asthmaeducators.org/Education/index.htm>

## Association of Occupational and Environmental Health Clinics

The AOEC Educational Resource Library contains a wide array of publicly available resources on environmental and occupational health issues. Library holdings include videotapes, CD ROM presentations, peer and non-peer reviewed modules, and a number of resource materials. One can download PowerPoint presentations on topics that include: [Occupational Asthma](#); [Pediatric Environmental Health History](#), and [Indoor Mold Exposure Health Effects](#). Among teaching courses available are: **Kids and the Environment: Toxic Hazards, A Course on Pediatric Environmental Health**.

1010 Vermont Ave, NW #513  
Washington, DC 20005  
Phone: (202) 347-4950  
Email: [aoec@aoec.org](mailto:aoec@aoec.org)  
Website: <http://www.aoec.org/resources.htm>

## National Association of Pediatric Nurses Practitioners

The Association's Asthma and Allergy Special Interest Groups focuses on developing a broadened knowledge base on asthma and allergy outcomes in children. Courses are offered at conferences and online, including: **Management of Pediatric Asthma: Focus on the Expert Panel Report 3**. Webinars and patient education materials are also available.

Website: [www.napnap.org/aboutUs/.../AsthmaandAllergySIG.aspx](http://www.napnap.org/aboutUs/.../AsthmaandAllergySIG.aspx)

## National Association of School Nurses (NASN)

NASN offers continuing education for school nurses including a workshop **Managing Asthma Triggers (MAT)**. The program focuses on creating a healthy environment that improves a school's air quality so as to lower or eliminate asthmatic reactions in certain students. The program is also geared toward

increasing asthma awareness for school administrators, students, teachers and parents

Phone: 1-866-627-6767

E-mail: [nasn@nasn.org](mailto:nasn@nasn.org)

Website: [www.nasn.org](http://www.nasn.org)

Flyer: <http://www.nasn.org/Portals/0/education/flyermat.pdf>

### **National Asthma Educator Certification Board (NAECB)**

Provides voluntary exams for Asthma Educator certification and lists of certified asthma educators, but is disallowed from providing or listing training.

National Asthma Educator Certification Board

Phone: (800) 317-5206

Website: [www.naecb.org](http://www.naecb.org)

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### **TOOLS FROM OTHER STATES AND ORGANIZATIONS:**

#### **Arizona Asthma Coalition**

Offers patient and provider tool kits accessible online with several resources for download. The **Provider's Tool Kit** covers important aspects of asthma care and management with several links to asthma action plans and the asthma guidelines.

Website for Physicians: <http://www.azasthma.org/quick-links/physicians.aspx>

#### **Care Management Central<sup>SM</sup>**

GlaxoSmithKline offers an interactive website containing National Committee of Quality Assurance approved asthma educational resources. It is for providers and practitioners without charge. The materials on the site are non-promotional.

CMC website: <http://www.caremanagementcentral.com/>

## Clean Air Council, PA Asthma Outreach and Education

Tools are available to download from the **Air Quality, Asthma and Advocacy: Workshop for Health Care Professionals** designed to help health care professionals in PA enhance the quality of care they deliver by educating them about specific (HCP) environmental asthma triggers, how triggers affect asthma outcomes and the appropriate remediation strategies.

Asthma and Air Quality for Health Providers Website:

[http://www.cleanair.org/program/environmental\\_health/air\\_quality\\_education\\_health\\_professionals/air\\_pollution\\_health\\_powerpo](http://www.cleanair.org/program/environmental_health/air_quality_education_health_professionals/air_pollution_health_powerpo)

## Coaches Asthma Clipboard Program

This program was created so coaches, referees and PE teachers could learn about asthma, how it affects an athlete's ability to compete, and how a coach can help athletes manage their symptoms while playing their very best. It was developed as collaborative effort between the Minnesota Department of Health Asthma Program (MDH) and the Utah Department of Health Asthma Program (UDOH).

Website: <http://www.winningwithasthma.org/#>

## Fight Asthma Milwaukee (FAM) Allies

Fight Asthma Milwaukee Allies has developed **The Clinician Asthma Toolkit** which provides clinical education on diagnosing and managing asthma, reproducible patient education materials, and office support tools.

Toolkit Website: <http://www.famallies.org/toolkits.asp>



## **ADDITIONAL PROFESSIONAL ORGANIZATIONS FOR TARGET AUDIENCES**

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### **American Association of Community Health Workers (AACHW)**

National organization for CHWs.

Contact: Jackie Scott at [jbs@law.georgetown.edu](mailto:jbs@law.georgetown.edu)

### **American Society of Health System Pharmacists (ASHP)**

ASHP resources include **Guidelines on Pharmacist-Conducted Patient Education and Counseling**.

Website: <http://www.ashp.org/>

Patient Education Guidelines:

<http://www.ashp.org/DocLibrary/BestPractices/OrgGdIPtEduc.aspx>

### **Community Health Programs (CHP)**

Serving the central and south Berkshire region, CHP outreach sites throughout the county via a mobile outreach van, by organizing and participating in community events in Berkshire County, and at their Health Centers and program sites. They have collaborated with training programs to provide asthma training for health outreach workers and CHW.

CHP O & E Office

442 State Rd

Great Barrington, MA 01230

Phone: (413) 644-0104 x 15

Website: [http://www.communityhealthprograms.org/pg\\_hcap.php#](http://www.communityhealthprograms.org/pg_hcap.php#)

### **Community Health Workers' Initiative**

This initiative provides community health workers access to education and skills training leading to sustainable jobs, living wages and career pathways, while promoting policies that ensure appropriate employer funding to achieve these goals. Trainings are only available to Boston residents. No current asthma training programs are available.

Community Health Worker Initiative  
A program of Action for Boston Community Development, Inc  
178 Tremont Street  
Boston MA 02111  
Phone: 617-348-6590  
E-mail: [chwinfo@bostonabcd.org](mailto:chwinfo@bostonabcd.org)  
Website: <http://chwinitiative.org/>

### **Community Health Worker-National Education Collaborative (CHW-NEC)**

The Collaborative is a gateway to research and guidance on issues such as the pros and cons of credentialing based on multi-state experiences. CHW-NEC's "National Community of Practice for Community Health Worker (CHW) Postsecondary Educational Programs" seeks to "identify best principles for CHW postsecondary program design and responsiveness and establish a consensus on 'best practice' educational program delivery strategies and instructional materials and methods; also to provide TA with Adapter Institutions." They offer textbooks and curriculum guides, including: ***Foundations for Community Health Workers.***

University of Arizona  
Arizona Area Health Education Centers Program  
1834 Mabel St. Tucson, AZ 85721  
Phone: (520) 626-4026  
Fax: (520) 626-4037  
E-mail: [dproulx@email.arizona.edu](mailto:dproulx@email.arizona.edu)  
Website: <http://www.chw-nec.org/>

### **Community Pharmacy Foundation**

The primary purpose of the Foundation is to “assist community pharmacy by providing resources for research and development to encourage new capabilities and continuous improvements in the delivery of patient care.” Included have been grants for initiatives to improve the role of community pharmacists in patient education.

Website:  
<http://www.communitypharmacyfoundation.org/grants/default.asp>

## **Massachusetts Association of Community Health Workers (MACHW)**

MACHW is the statewide professional organization for community health workers. MACHW promotes integration of CHWs into the health care and human service delivery systems through education, research, policy development and advocacy. The Board of Directors includes representation from health and social service providers in regions across the state.

c/o Massachusetts Public Health Association  
434 Jamaicaway  
Jamaica Plain, MA 02130  
Phone: (617) 524-6696 ext. 108  
E-Mail: Cindy Martin, Policy Director [cmartin@mphaweb.org](mailto:cmartin@mphaweb.org)  
Website: [www.machw.org](http://www.machw.org)

## **MDPH Office of Community Health Workers**

The Department has conducted a number of capacity-building initiatives to strengthen CHW workforce development, including an investigation of the CHW workforce as part of the 2006 health care reform legislation.

Gail Hirsch, MEd  
Coordinator of Workforce Initiatives  
Massachusetts Department of Public Health  
250 Washington Street, 5<sup>th</sup> floor  
Boston, MA 02108  
Phone: (617) 624-6016  
Fax: (617) 624-6062  
E-Mail: [Gail.Hirsch@state.ma.us](mailto:Gail.Hirsch@state.ma.us)  
Website: <http://www.mass.gov/dph/communityhealthworkers>

## **Outreach Worker Training Institute (OWTI)**

The Outreach Worker Training Institute (OWTI) of the Central Massachusetts Area Health Education Center, Inc. (CM AHEC) is a *career-focused, college supported educational pipeline* for CHW as well as the supervisors of CHWs in health and social services. The OWTI addresses the community's need for CHWs' professional preparedness by offering certificate courses tailored to public health workers who are CHWs employed in health and social service

agencies. They have collaborated with training programs to provide asthma training for health outreach workers and CHW.

Central Mass. AHEC  
35 Harvard St., Suite 300  
Worcester, MA 01609  
Phone: (508) 756-6676 Fax: (508) 756-9825  
Website: <http://www.cmahec.org>

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## RESOURCES FOR CONTINUING EDUCATION UNIT (CEU) PROGRAMS

### American National Standards Institute

The **American National Standards Institute** (ANSI) is the official U.S. representative to the International Organization for Standardization (ISO). ANSI creates standards and guidelines including CEU accreditation requirements and offer training and education on the process of developing programs to provide standardization.

Washington, DC. Headquarters  
1899 L Street, NW, 11th Floor  
Washington, DC, 20036  
Tel: (202) 293-8020; 202-293-8020  
Fax: (202) 293-9287  
New York City Office (Operations)  
25 West 43rd Street, 4th floor  
New York, NY 10036  
Tel: (212) 642-4900, 212-642-4900  
Fax: (212) 398-0023  
Email: [training@ansi.org](mailto:training@ansi.org)  
Website: [www.ansi.org](http://www.ansi.org)

### International Association for Continuing Education & Training

The **International Association for Continuing Education & Training** (IACET) is a non-profit association dedicated to quality continuing education and training programs. They assist organizations to create and implement educational programs that provide professionals with continuing education.

IACET 1760 Old Meadow Road, Suite 500,  
McLean, VA 22102  
Phone (703) 506-3275, (703) 506-3275  
Fax (703) 506-3266  
Website: [www.iacet.org](http://www.iacet.org)

Agency for Toxic Substances and Disease  
Registry, 20

Allergy & Asthma Network Mothers of  
Asthmatics, 23

American Academy of Family Physicians, 28

American Academy of Pediatrics, 28

American Association of Community Health  
Workers, 38

American Association of Respiratory Care, 29

American College of Allergy, Asthma and  
Immunology, 31

American College of Chest Physicians, 31

American Lung Association, 10

American National Standards Institute, 41

American Nursing Association, 31

American Osteopathic Association, 32

American Respiratory Care Foundation, 32

**American School Health Association, 29**

American Society of Health System Pharmacists,  
38

American Thoracic Society, 33

Arizona Asthma Coalition, 35

Association of Asthma Educators, 33

Association of Occupational and Environmental  
Health Clinics, 34

Asthma & Allergy Foundation of America, 23

Asthma and Allergy Foundation of America, New  
England Chapter, 10

Asthma Community Network, 23

Boston Asthma Initiative, 12

Boston Public Health Commission (BPHC), 11

Cambridge Health Alliance, 16

Care Management Central<sup>SM</sup>, 36

Centers for Disease Control, 19

Children's Hospital Boston, 16

Clean Air Council, PA Asthma Outreach and  
Education, 36

Coaches Asthma Clipboard Program, 36

Community Health Education Center Northeast,  
12

Community Health Programs, 38

Community Health Worker-National Education Collaborative, 39	National Environmental Education Foundation, 25
Community Health Workers' Initiative, 38	National Health Lung Education Program, 25
Community Pharmacy Foundation, 39	National Heart Lung and Blood Institute, 19
Education for Health, 24	National Institute of Occupational Safety and Health, 20
EPA Asthma Team, 21	National Jewish Health, 25
ESAC Boston, 13	National Library of Medicine, 21
Fight Asthma Milwaukee (FAM) Allies, 37	Neighborhood Health Plan, 13
Health Resources in Action, 13	Northeastern School Health institute, 18
International Association for Continuing Education & Training, 42	Outreach Worker Training Institute, 41
Massachusetts Association of Community Health Workers, 40	Partners Asthma Center, 14
Massachusetts Medical Society, 15	The American Academy of Allergy, Asthma & Immunology, 27
MDPH Office of Community Health Workers, 40	The Boston Asthma Centers Coalition, 15
Medscape Asthma CME Learning Center, 24	The Institute for Continuing Education, 26
National Association of Pediatric Nurses Practitioners, 34	Tufts University, 18
National Association of School Nurses, 35	University of Michigan Center for Managing Chronic Disease, 27
National Asthma Educator Certification Board, 35	

## APPENDIX A: NAEPP COORDINATING COMMITTEE

The representatives from the major scientific, professional, governmental, and voluntary organizations interested in asthma engaged in the NAEPP Coordinating Committee can be valuable resources for educational programs, strategies and materials development and implement many activities through their organizations.

### **Member Organizations of the NAEPP Coordinating Committee**

Allergy and Asthma Network/Mothers of Asthmatics, Inc.  
American Academy of Allergy, Asthma, and Immunology  
American Academy of Family Physicians  
American Academy of Pediatrics  
American Academy of Physician Assistants  
American Association for Respiratory Care  
American Association of Occupational Health Nurses  
American College of Allergy, Asthma and Immunology  
American College of Chest Physicians  
American College of Emergency Physicians  
American Lung Association  
American Medical Association  
American Nurses Association  
American Pharmaceutical Association  
American Public Health Association  
American School Health Association  
American Society of Health-System Pharmacists  
American Thoracic Society  
Association of State and Territorial Directors of Public Health Education  
Asthma and Allergy Foundation of America  
National Association of School Nurses  
National Black Nurses' Association, Inc.  
National Medical Association  
Society for Academic Emergency Medicine  
Society for Public Health Education



### **Federal Agencies on the NAEPP Coordinating Committee**

Agency for Healthcare Research and Quality  
National Center for Chronic Disease Prevention  
National Center for Environmental Health  
National Center for Health Statistics  
National Heart, Lung, and Blood Institute  
NHLBI Ad Hoc Committee on Minority Populations  
National Institute for Occupational Safety and Health  
National Institute of Allergy and Infectious Diseases  
National Institute of Environmental Health Sciences  
U.S. Department of Education  
U.S. Environment Protection Agency  
U.S. Food and Drug Administration  
U.S. Public Health Service

### **Additional Representatives to the NAEPP School Asthma Subcommittee**

American Association for Physical and Health Education, Recreation, and Dance  
National Association of Elementary School Principals  
National Education Association Health Information Network  
National School Boards Association