Maximizing School Health Services

ABOUT SCHOOL HEALTH SERVICES

School health services should provide students with asthma with an efficient and supportive school environment that helps them manage their own asthma, helps prevent asthma emergencies, and is prepared to respond to asthma emergencies. This section provides background information and specific, proven components for achieving your AFSI objectives related to school health services.

Many of the components presented to support health services objectives are policy-based. Remember, policy changes are strategies that can make a long-lasting impact on students with asthma, the overall student body, and staff.

Some of the activities presented may take several years to implement and should be plotted as multi-year activities in your workplan. Do not let multi-year activities intimidate your AFSI team! Plan carefully to work deliberately through activities.

SCHOOL HEALTH SERVICES COMPONENTS

Each of the following recommended components is presented in a separate hand-out, most with specific reference materials to support your activities. Components are listed in order based on those that are most feasible for a community organization to achieve. All components listed are important, however; depending on the individuals and organizations involved in your coalition, some may be more feasible than others.

- Identify and track all students with asthma
- ◆ Use an Asthma Action Plan for all students with asthma
- Assure immediate access to medications as prescribed
- ◆ Use standard emergency protocols
- Provide special services for students who are absent more than students without asthma.
- ◆ Facilitate linkages with the medical home and referrals to medical provider
- ◆ Provide a full-time RN all day, every day
- Assure access to a consulting physician/healthcare provider

Recommended Component: Identify and Track All Students with Asthma

Providing efficient health services to students with asthma depends first on the school's knowing who has asthma. This component should be the cornerstone of your AFSI efforts, as it will provide the baseline information needed to measure your progress.

Focus attention on identifying those students whose physicians have diagnosed them with asthma—particularly those that require medication (most children with asthma). From there, the school can put its efforts toward tracking those students and being prepared to support them. Tracking students with asthma helps ensure the safety of those students, as the administration can then communicate specific information with school faculty and staff, who will be aware of the students' asthma and be prepared to respond to asthma emergencies.

Note that while there are several types of programs to identify undiagnosed children with symptoms of asthma, CDC and NHLBI/NAEPP do not recommend conducting mass school-based asthma screening (with spirometry) or mass case detection (with symptom questionnaires) in most schools. These programs can be very costly, and research does not indicate that they make a difference for the students who are identified. They do not meet the World Health Organization or American Academy of Pediatrics criteria for appropriate school screening programs.¹

Identifying and Tracking All Students with Asthma Checklist

- Include necessary items on school health inquiry forms
- · Compile lists of all students with asthma
- · Share non-confidential asthma-related school data
- ▶ Assure that school health inquiry forms include necessary items. This will ensure that parents and providers are submitting the necessary information about a student's health, so the identification and characterization of asthma is not missed by the school. Questions should gather:
 - previous asthma diagnosis, diagnosis of reactive airways disease, or diagnosis of repeated episodes of bronchitis, bronchiolitis, and/or pneumonia
 - prescribed medications for asthma,
 - high absenteeism for breathing problems.
- ▶ Compile lists of all students in a school with asthma. This will enable tracking of the number of students with asthma and their level of severity, as well as asthma intervention received in school, including case management and specific asthma education. Be sure to use appropriate software for storing and accessing compiled data and for tracking. This toolkit provides a free asthma tracking database, the Asthma Incidence Reporter (AIR), based on the asthma tracking forms available at the end of this section. Nurses using AIR will be able to capture a picture of asthma in the school over a specific time span (i.e., school year). See the American Lung Association Tip Sheet: Using the AIR Database, included with this hand-out.

Using Microsoft Access, AIR is designed for school nurses to track students with asthma in their schools. Each record includes space for events (asthma episode, ER visit, physician visit, etc.). The nurse can add any events that he/she would like to track. AIR includes three automatic reports: individual student report with details on an individual student's asthma; a case management report with all students' names, grade, and number of absences for each; and a comprehensive school asthma report. Additional reports can be customized with any commercial analysis software or by anyone with database experience.

This free database is available for download online (www.lungusa.org/afsi).

Boss LP, Wheeler LSM, Williams PV, Bartholomew LK, Taggart VS, Redd SC. Population-based screening or case detection for asthma: Are we ready? Journal of Asthma 2002.

▶ Share non-confidential asthma-related school data. Feeding data into district-wide, state-wide and other broad public health tracking systems will help lay the foundation for increased, proportionate funding and administration of community- or state-wide asthma efforts. (See the Asthma Checklist for School Nurses, Asthma History Form, and Management of an Acute Asthma Episode in the School from the American Lung Association of Washington's Asthma Management in Educational Settings, included with this hand-out.)

ACTION STEPS

Identifying & Tracking Students with Asthma

- 1. School nurse (or other school staff) receives health intake forms.
- 2. School nurse (or other school staff) creates a tracking form for each student with asthma.
- 3. School nurse (or other school staff) sends a medication self-carry request and a school medication form home to the parent.
- 4. Parent/guardian brings the medicine(s), a written asthma action plan, and the completed medication self-carry request or a school medication form to the nurse (or other school staff).
- 5. School nurse (or other school staff) notes each of the student's visits to the nurse to take medication throughout the school year.
- 6. School nurse (or other school staff) notifies parent when student requires quick relief medication. With parental permission, school nurse (or other school staff) notifies the student's asthma care provider.
- 7. Principal's office notifies school nurse (or other school staff) of any student with asthma who is absent throughout the year.
- 8. School nurse (or other school staff) tracks absenteeism to ensure whether or not student's absenteeism warrants case management.
- 9. School nurse (or other school staff) generates a year-end asthma report for the principal that includes:
 - · total number of children in the school with asthma
 - total number of times children came to the health room for medication
 - · maximum number of visits by one child
 - · total number of days absent for kids with asthma
 - · maximum days missed by one child

REFERENCE MATERIALS

- * American Lung Association Tip Sheet: Using the AIR Database
- * Asthma Checklist for School Nurses
- * Asthma History Form
- Management of an Acute Asthma Episode in the School



American Lung Association Tip Sheet: Using the Asthma Incidence Reporter (AIR) Asthma-Friendly Schools Initiative Database

Purpose

The AIR database is designed to assist schools in tracking students with a diagnosis of asthma.

Important Installation Note:

When installing AIR, an encryption key is created that scrambles all student specific information unless accessed with the password created during installation. It is recommended that only the school nurse or those with permission to access student medical information have access to the password. The AIR database is provided for school use and no data is reported back to the American Lung Association.

Data Tracked

The AIR database has several screens and tracks multiple types of information including:

- · Biography student information such as name, grade, date entering and leaving school, etc.
- Details asthma specific information on each student including health and asthma education history
- Severity Assessment contains the history of the students most recent asthma severity assessment (and any assessments that have been entered in the past)
- Events contain any asthma related events for that student including days absent, nurse room visits, use of inhalers (events can be added by each school as needed)
- Reports allows the creation of three instant reports for printing and sharing

Reports Included in AIR

The AIR database includes three reports for sharing the asthma data. The database is created so that all information can be exported to an analysis tool and further analyzed if desired.

- Individual Student Report generates a report on one individual student over the course of the desired time range (ex. one school year) including graphing events such as days absent and Emergency Department visits.
- Case Management Detection Report creates a report for the school nurse that allows quick
 identification of students with high days absent. Includes student name, grade, and the number of
 days missed.
- School Summary Report generates a report on all students included in the database over the course of the desired time range including graphing events such as days absent and Emergency Department visits.



ASTHMA CHECKLIST FOR SCHOOL NURSES

NOTE: Any child who needs medications delivered at school or who self-administers medications at school must have an Oral Medication Order Form.

I. Planning for Care before School Begins

- School nurse is notified that student has asthma.
- School nurse sends an asthma history form home for parents to provide additional information about the student's asthma.
- · School nurse calls or meets with the student and family.
- Discuss parent/student expectations of asthma care while at school.
- Discuss details of asthma management plan obtained from primary health care provider and accommodation needs at school
- Determine equipment and supplies needs for school including a 3-day disaster supply.
- Discuss plans for communication with parent and primary health care provider.
- Discuss role of health services and personnel involved.
- Obtain Oral Medication Order form if needed for delivery of medications at school.
- Obtain parent request for care and other legal documents as needed.
- If needed, have parents sign an Exchange of Medical Information form.

II. Assigning Level of Care

Considering the severity of the student's asthma and the student's needs at school, determine level of nursing
care needs and assign a level based on the "Staff Model for the Delivery of School Health Services." The
following depicts usual nursing level assignments for students with asthma: (Appendix J)

Level B	Medically Fragile
Level C	Medically Complex
Level D	Health Concerns

Level B (Medically Fragile)-Individual Health Plan/Section 504 Plan

- With the parent, and student if appropriate, develop the Individual Health Plan/Section 504 Plan and School Asthma Emergency Plan. This planning may include others who will provide care to the student. Issues to be addressed include:
 - a. Management of routine medications
 - b. Management of an acute asthma attack
 - c. Monitoring peak flow measurements
 - d. Participation in activities (physical education, recess)
 - e. Field trips
 - f. Transportation
 - g. Obtain Oral Medication Order form
- Review school day schedule and assess level of independence.
- If needed, clarify specifics of treatment by talking with the primary health care provider.
- Notification and education of school personnel working with the student, e.g., secretary, lunchroom and playground personnel, principal, transportation, coaches.
- Training of personnel who will give medications or supervise activities.
- Providing classroom education as needed.
- Monitor staff and student needs and update as needed.
- Annual review of IHP/Section 504 plan or revise as needed.

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Level C (Medically Complex)—Planning for Care

- Obtain the Oral Medication Order Form signed by the primary health care provider.
- Assure medications are pharmacy labeled with student's name, primary health care provider, type of medication, dose, delivery methods, and any special instructions.
- Develop a School Asthma Emergency Plan with the parent and student, if appropriate. Distribute to all school
 personnel who interact with the student.
- Obtain Exchange of Medical Information form if needed.
- Renew medications, order annually or as needed.

Level D (Health Concerns)—Monitoring

- · Assure health concern of asthma is recorded in health files.
- Assess health status as needed to assure student's maximum participation in school educational and
 physical activities.
- As needed, review of student's asthma and possible treatment needs.

III. Self-Administration of Oral Medications

Asthma is a condition that requires immediate treatment when an asthma attack occurs. For this reason many school districts allow self-administration of asthma medications; however, some school districts do not allow any medications to be self-administered. District policy should be reviewed before self-administration is considered.

- Assess student's readiness for self-administration of oral medications or peak flow monitoring.
 - Student is capable of identifying individual medications.
 - O Student is knowledgeable of purpose of individual medications.
 - Student is able to identify/associate specific symptom occurrence and need for medication administration.
 - Student is capable/knowledgeable of medication dosage.
 - O Student is knowledgeable about method of medication administration.
 - O Student is able to state side effects/adverse reactions to this medication.
 - O Student is knowledgeable of how to access assistance for self if needed in an emergency.
 - Student is able to identify safety issues: no sharing of medications with others; need for safe storage of medication; consistent placement of medication.
- Obtain an Oral Medication Order form indicating permission from the primary health care provider and parent for the student to self-administer oral medications.
- Develop a plan for oral medication administration with the student, parent and other school personnel as needed.
- Develop a School Asthma Emergency Plan.

IV. Promoting Independence in the Student's Self-Management

As the student grows and develops, responsibility in assessing and making asthma management decisions should progress. School nurses can assist in promoting this independence within the school setting in various ways.

Assess and promote:

- Knowledge and understanding of asthma
- Use of the metered dose inhaler
- Recognition of asthma symptoms
- Avoidance of asthma triggers
- Planning for self-care

Assess asthma control in relation to:

- Absenteeism rate
- Participation in activities, particularly physical education, recess
- School performance

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Asthma Checklist for School Nurses (cont.)

Assess social/emotional growth related to student's asthma and self-care:

- Feeling that he/she is different from other students
- Avoids taking medications; toughs it out during an attack Reluctance to go to office for medications
- Notifying school personnel about medication need or use if self-administering
- Safety issues, e.g., not sharing medications with other students

Promote self-esteem:

- Assist student in providing information about asthma to others
- Positive feedback for good decisions
- Increasing independence in plan of care

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Student's Name:			Date of Birth: _	
History Taken by: _			Date:	
Parent/Guardian Na	me:			
Home Phone: ()	Work Phone: (()	
Alternate Contact: _		Phone: (()	
Primary Health Care	e Provider:	Phone: (()	
Address:				
When was this stude	ent's asthma first diagnos	sed?		
How many times ha	s this student been seen i	in the emergency room for as	thma in the past	year?
-		talized for asthma in the past		
-	_	_		
When?		ensive care unit for asthma?		
How would you rate	e the severity of this stud	ent's asthma?		
(not severe) 1 2	3 4 5 6	7 8 9 10 (sever	re)	
How many days wo	uld you estimate this stu	dent missed last year because	of asthma?	
What triggers this st		•		
		:		
exercisecigarette smoke	wood smoke	ion □ strong odors or fumes □ pollen		
animals (specify)foods (specify):):			
□ carpets	□ indoor dust □ temperature chan	 outdoor dust 		
	□ temperature chan			
What does this stu	dent do at home to relie	eve asthma symptoms (chec	k all that apply)	?
breathing exercisetakes medications		/relaxation drinks list herbal remedies (see below)	1	
	cribe):			
a other (pieuse dese				

	AS1.	HMA HISTORY FORM		
What medications do	oes this student take fo	or asthma (every day and as ne	eded):	
Medication Name	Amount	Delivery Method (nebulizer, inhaler, etc.)	How Often	
What herbal remedies	, if any, does this stude	nt take for asthma?		
Does this student use	any of the following aid	ds for managing asthma?		
 holding chamber 	ersonal best if known spacer	holding chamber	w/mask	
Please check special n	needs related to your ch	ild's asthma:		
 transportation to an 	n foods 👊 field trips	animals in classroaccess to waterother	oom	
If you checked any of	the above boxes, pleas	e describe needs:		
Has this student had a Would you like inform		□ yes □ no ucation for: □ student □ self		
Parent Signature:			Date:	
Nurse Signature:			Date:	



MANAGEMENT OF AN ACUTE ASTHMA EPISODE IN THE SCHOOL

Adapted from the Asthma and Allergy Foundation of America (AAFA), Washington State Chapter, with permission

Asthma is the leading cause of absenteeism in school-aged children. A school-based asthma management program should allow children with asthma or allergies to participate in all school learning and recreational activities with few restrictions. An effective program will ultimately help to minimize school absences.

	WHAT TO LOOK FOR	WHAT TO LISTEN FOR	
0 0 0 0 0 0 0 0 0 0	Anxious look Stooped body posture Diaphoresis Dyspnea Rapid respirations (greater than 25-30 at rest) Retractions Nasal flaring Depressed sternal notch Nausea/vomiting Fatigue Decreased peak flow value	 Complaints of chest tightness Coughing Irregular breathing Abnormal breathe sound: Decreased or absent breath sounds Wheezing Rales Rhonchi Prolonged expiration Rapid heart rate 	
WHAT	TO DO IN AN ASTHMA CRISIS AT SCHOOL	SEEK IMMEDIATE EMERGENCY CARE IF STUDENT:	
. OP	Plan for Personal Best, current medications and emergency medications. Have student sit upright and check breathing with peak flow meter—if possible. Administer prescribed medication by inhaler (medication should be inhaled slowly and fully). Administer medication by nebulizer if prescribed. Reassure student and attempt to keep him/her calm and breathing slowly and deeply.	Coughs constantly Is unable to speak in complete sentences without taking a breath Has lips, nails, mucous membranes that are gray or blue Demonstrates severe retractions and/or nasal flaring Is vomiting persistently Has 50% reduced peak flow reading Has pulse greater than 120/minute Has respirations greater than 30/minute Is severely restless Shows no improvement after 15 minutes	

AMES: Asthma Management in Educational Settings

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◆ Recommended Component: Use an Asthma Action Plan for All Students with Asthma

The NHLBI/NAEPP recommends that written action plans be created as part of an overall effort to educate patients in self-management. These should include peak flow monitoring for patients with moderate or severe persistent asthma.² (See Peak Flow Meter Technique Checklist for Nurses and Sample MDI Technique Checklist for Nurses included with this hand-out.) All students with asthma should have an Asthma Action Plan on record with the school.

An Asthma Action Plan is a document with all pertinent information about a student's asthma, including triggers, medications, modified activity plan, and specific emergency protocol based on peak flow, as well as emergency contact information (parent/guardian, physician, hospital). An Asthma Action Plan is completed by the student's physician or other healthcare provider and should be updated at least annually, or when any significant changes in the student's asthma management occur. (See the Asthma Action Plan, sample letter to parents/guardians, and sample flyer to parents/guardians included with this hand-out.)

To assess each student's Asthma Action Plan, schools can use the simple "Is The Asthma Action Plan Working?" tool developed by the National Heart, Lung and Blood Institute, included with this hand-out. This tool will help nurses assess if a student's asthma is under control and then refer students who may need appropriate controller medications and/or modifications to their asthma treatment plans.

Using Asthma Action Plans Checklist

- Educate administration about accepting different forms
- Define minimal amount of information to be included on forms
- Include parental permission for release of information
- Inform appropriate staff of Asthma Action Plans
- Establish policies & procedures for field trips

There are several principles to consider when using Asthma Action Plans:

- District administration should be educated about the need to accept different Asthma Action Plan forms. All forms, however, should be based on NHLBI/NAEPP guidelines. A sample Asthma Action Plan is included with this hand-out, and forms are available through "Super Web sites" listed within the Resources section of the AFSI Toolkit. Use forms with language and reading levels appropriate for your community.
- District policy should define a minimal acceptable amount of information on Asthma Action Plans and other health management plans. These should include triggers, peak flow meter norms, medications and administration protocols, medication selfadministration when appropriate, emergency instructions, severity classification, and physical activity recommendations (pre-medication, stretching, activity modifications, etc.).
- ► Asthma Action Plans/Nursing Care Plans and other health management plans may include parental permission for release of information (ROI). Including ROI directly on the form can provide information for parents on whom the plan will be shared with. Specific staff roles should be listed, such as school nurses, principal, student's class-

² NAEPP Expert Panel Report: Guidelines for the Diagnosis and Management of Asthma—Update; on Selected Topics 2002. National Institutes of Health, National Heart, Lung and Blood Institute. NIG Publication No. 02-5075. June 2002 (Updates the NAEPP Expert Panel Report 2 (NIH Publication No. 97-4051).

room teachers, including physical education and art. ROI should also be requested to send information to and receive information from the student's primary care provider and/or asthma care provider. Be aware that the primary provider may require the family to sign an additional ROI for them to keep on record before speaking with the school about the student. Also see information about HIIPA and FERPA laws in the Master Planning section of the AFSI Toolkit (page 20).

Plans, and/or other health management plans. In schools with full-time nursing or health staff, Asthma Action Plans and other health management documents/plans are usually kept in the health room. All staff should be taught appropriate actions. Asthma Action Plans should be sent with staff when the student leaves the school for field trips or other programs. With parent/guardian permission, Asthma Action Plans should be distributed to school principals and front office staff, classroom teachers, substitute teachers, staff of transportation companies, playground supervisors and physical education/athletic department staff. (A complete table describing the range of health management plans, Health-Related Plans For Asthma Management, is included with this hand-out.)

Also consider creating/using an existing "emergency response" poster for staff's reference during a student's asthma episode. These could be posted in all classrooms and other rooms throughout the school. (See the Sample Emergency Response Poster included with this hand-out.)

LESSONS LEARNED!

AFSI pilot sites determined that very few Asthma Action Plans were on file in schools. Sites offered medical provider and parent education about the need for Asthma Action Plans. These sites determined that very few Asthma Action Plans were on file in the schools at the start of the project. At the end of the year, however, one school administrator indicated that there had been a 30 percent increase in the number of Asthma Action Plans on file.

▶ Establish policy/procedures for field trips. Be sure a faculty/staff member who has the student(s)' Asthma Action Plan(s), is designated to administer medications, if needed, and to work with students with asthma to avoid triggers whenever possible during a field trip. Policies and procedures should detail the staff response to a potential asthma emergency, communications among staff and/or chaperones, and communication to a student's parent/guardian. These policies must comply with state Nurse Practice Acts. Planning ahead will help ensure that trips are safer and fun for all. See the Sample Field Trip Policy included with this hand-out.

REFERENCE MATERIALS

- * Sample MDI Technique Checklist for Nurses
- * Sample Peak Flow Meter Technique Checklist for Nurses
- * American Lung Association Asthma Action Plan
- * Sample Letter to Parents/Guardians
- * Sample Flyer to Parents/Guardians
- * Is The Asthma Action Plan Working?
- Health-Related Plans for Asthma Management
- * Sample Emergency Response Poster
- * American Lung Association Tip Sheet: Sample Field Trip Policy

# AMERICAN	ASSOCIATION

Metered-dose Inhaler Technique Checklist for School Nurses

School Year:	
Student's Name:	

	- - - - -	-		
Key Steps in MDI Technique	X = Good Technique ? = Needs Improveme	X = Good Technique ? = Needs Improvement		
Date of Evaluation			1	
I. Remove cap, hold upright, shake inhaler:				
2. Breathe out.				
3. Actuate (press) inhaler once at the start of inhalation.				
4. Inhale slowly, take 3-5 seconds.				
5. Hold breath for count of 10.				
6. Wait I minute before repeating 2nd puff.				
Initials of evaluator				

SOURCE: Anne Arundel County (MD) School Health Services School-Based Asthma Management Program

			#	★ AMERICAN LUNG ASSOCIATION。	
Peak Flow Meter lechnique Checklist for Nurses					
Student's Name:	School Year:				
Key Steps in Peak Flow Meter Technique	X = Good Technique ? = Needs Improvement	schnique nprovement			
Date of Evaluation		1			
1. Move the indicator to '0'.					
2. Breathe out, complete exhalation.					
3. Take as deep a breath as possible.					
4. Close lips around the mouthpiece.					
5. Blow out hard and fast. No coughing or spitting!					
6. Write down the number.					
7. Repeat 2 times. Record the highest number on log.					
Initials of evaluator					

SOURCE: Anne Arundel County (MD) School Health Services School-Based Asthma Management Program

General Information:				
■ Name				
■ Emergency contact				
■ Physician/Healthcare Provider		Pr	hone numbers	
■ Physician Signature		Da	ate	
Severity Classification	Triggers		Exercise	
O Mild Intermittent O Moderate Persistent O Mild Persistent O Severe Persistent	O Colds O Smoke O We		1. Pre-medication (hov	v much and when)
O IVIIIU PEISISLEIIL	O Animals O Food O Other	r pollution	2. Exercise modificatio	ns
Green Zone: Doing Well	Peak Flow Meter Personal	l Best =		
ymptoms	Control Medications			
 Breathing is good No cough or wheeze Can work and play 	Medicine	How Much To	o Take	When To Take It
■ Sleeps all night				
fellow Zone: Getting Worse	Contact Physician if using	j quick rel	ief more than 2	times per week.
Symptoms	Continue control medicines and a	add:		
Yellow Zone: Getting Worse Symptoms Some problems breathing Cough, wheeze or chest tight Problems working or playing	Continue control medicines and a	Add: How Much To	o Take	When To Take It
iymptoms Some problems breathing Cough, wheeze or chest tight Problems working or playing Wake at night Reak Flow Meter Setween 50% to 80% of personal best or	Continue control medicines and a	How Much To	o Take IF your sympto DO NOT return	When To Take It
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Symptoms ■ Some problems breathing ■ Cough, wheeze or chest tight ■ Problems working or playing ■ Wake at night Peak Flow Meter Between 50% to 80% of personal best or	Continue control medicines and a Medicine IF your symptoms (and peak flow return to Green Zone after 1 hour quick relief treatment, THEN	Add: How Much To	o Take IF your sympto DO NOT return 1 hour of the q	When To Take It ms (and peak flow, if used) to the GREEN ZONE after uick relief treatment, THEN
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	† LUNG ASSOCIAT
Dear:	
	ool is looking forward to an excellent year for your e the best possible school asthma management for the with the following:
Please	
your child's treatment goals, med reduction measures. Please inclu	plan—a physician's/healthcare provider's statement of dication, and peak flow plan, and environmental risk de guidelines for managing symptoms during special , gym, outdoor play, field trips, parties, art class, etc.). ha Action Plan.
	school administrator—before school entry and as condition, medication, devices, and environmental
	ration form for any medication that is administered in ir child's medications and personally bring them to
4. Meet with teachers to set up ex continuity during absences.	pectations for maintaining communication and
Prepare your child. Discuss and I symptoms, triggers, food restrict	rehearse the medication plan, how to handle cions, and school policies.
6. Keep the school staff up to date	on any changes in your child's asthma action plan.
7. Keep your physician up to date o	on appropriateness of school services and supports.
8. Participate in advisory committe health services and programs.	ees to support and improve comprehensive school
Thank you for working with us to as	sist your child.
Sincerely,	
Principal	School Nurse



DOES YOUR CHILD HAVE EVERYTHING WE **NEED TO MAKE THIS A SAFE, HEALTHY SCHOOL YEAR?**

It's a new year!

That means we need to work together to keep our students with asthma safe at school...

- Be sure to give the school updated asthma information.
 - Talk to us about medications.
 - Bring an Asthma Action Plan to school.

Questions? Call (sch	ool nurse)
at (phone)	

THANK YOU!

IS THE ASTHMA ACTION PLAN WORKING? A Tool for School Nurse Assessment

Assessment for:	Completed by:	Date:
(Student)	(Nurse or Pa	urent)

This tool assists the school nurse in assessing if students are achieving good control of their asthma. Its use is particularly indicated for students receiving intensive case management services at school.

With good asthma management, students should:

- Be free from asthma symptoms or have only minor symptoms:
 - O no coughing or wheezing
- O no difficulty breathing or chest-tightness
- O no wakening at night due to asthma symptoms.
- Be able to go to school every day, unhampered by asthma.
- Be able to participate fully in regular school and daycare activities, including play, sports, and exercise.
- Have no bothersome side effects from medications.
- Have no emergency room or hospital visits.
- Have no missed class time for asthma-related interventions or missed class time is minimized.

Signs that a student's asthma is not under good control:

Indicate by checking the appropriate box whether any of the signs or symptoms listed below have been observed or reported by parents or children within the past 6 months. If any boxes are marked, this suggests difficulty with following the treatment plan or need for a change in treatment or intervention (e.g., different or additional medications, better identification or avoidance of triggers).

- ☐ Asthma symptoms more than twice a week that require quick-relief medicine (short-acting beta2-agonists, e.g. albuterol):
- □ Symptoms get worse even with quick relief meds
- ☐ Waking up at night because of coughing or wheezing
- ☐ Frequent or irregular heartbeat, headache, upset stomach, irritability, feeling shaky or dizzy
- ☐ Missing school or classroom time because of asthma symptoms
- □ Having to stop and rest at PE, recess, or during activities at home because of symptoms
- □ Symptoms require unscheduled visit to doctor, emergency room, or hospitalization
- □ 911 call required

If "yes" to any of the above, use the following questions to more specifically ascertain areas where intervention may be needed.

Prol	bes	Responsible Person/site	Yes	No	N/A
Med	lications:				
•	Are appropriate forms completed and on file for permitting medication	By School staff			
	administration at school?	Self-carry			
•	Has a daily long-term-control medication(s) (controller*) been prescribed?				
•	Is controller medication available to use as ordered?	Home			
		School			
•	Is the student taking the controller medication(s) as ordered?	Home			
		School			
•	Has a quick-relief (short-acting B2-agonist) medication been prescribed				
•	Is quick-relief medication easily accessible?	Home			
		Personal inhaler(s) at school health office			
		Self-carry			
•	Is the student using quick-relief medication(s) as ordered	•			
	o Before exercise?	Home			
		School			
	Immediately when symptoms occur?	Home			
		School			
Med	lication Administration:				
•	Does the student use correct technique when taking medication?				
•	Does the person administering the medication use correct technique?				

Probes	Responsible Person/site	Yes	No	N/A
Medications:				
 Can the student identify his/her early warning signs and symptoms that indicate onset of an asthma episode and need for quick-relief medicine? 				
 Can the student identify his/her asthma signs and symptoms that indicate the need for help or medical attention? 				
 Can the student correctly use a peak flow meter or asthma diary for tracking symptoms? 				
 Are the student's asthma signs and symptoms monitored using a Peak Flow, verbal report or diary? 				
o Daily?	Home			
	School			
 For response to quick-relief medication? 	Home			
	School			
During physical activity?	Home			
	School			
Trigger Awareness:				
Have triggers been identified?				
Can student name his/her asthma triggers?				
Can parent/caregivers list their child's asthma triggers?				
Are teachers, including physical educators, aware of this student's asthma triggers?				
Trigger Avoidences				
Trigger Avoidance: • Are triggers removed or adequately avoided or managed?	Home			
	School			

^{*} Long-term-control medications (controllers) include inhaled corticosteroids (ICS), leukotriene receptor antagonists (LTRA), or combination medicine (long-acting B2-agonists and ICS), cromolyn, or theophylline.

School nurses provide appropriate asthma education and health behavior intervention to students, parents, and school personnel when signs and symptoms of uncontrolled asthma and other areas of concern are identified. If there is an indication for a change in asthma medications or treatment regimen, refer the student and family to their primary care provider or asthma care specialist or help families to find such services as soon as possible.





Health-Related Plans For Asthma Management

emergency plans). For students with asthma, health-related plans may include standing medical School nurses and other staff may keep a range of written plans for each student known to have asthma, as well as emergency plans for students in respiratory distress (either students with no known asthma diagnosis, or students whose Asthma Action Plans do not include orders, education plans, and basic information about a student's asthma.

While the Asthma Action Plan may be the basic document, schools may keep other student-specific documents, some of which are required by federal law. As the following table illustrates, the names and purposes of the plans vary; some provide medical and/or education directives, while others may also serve as a communications tool among the school, parent, and healthcare provider.

Health and Educational Plans for Students with Asthma Comparison Chart

Asthma Action Plan	Individualized Emergency Plan	Individualized Nursing Care Plans (Health Care Plans)	Individualized Education Plan (IEP)	504 Plans
Purpose: • To provide specific instructions about self-care and management of asthma	Purpase: • To provide specific instructions to school and a fair about management of asthma spisodes or attacks in individuals • Shared with school staff as appropriate	Purpose: Individual Nursing/Health Care Plan that identifies interventions for care of student with health conditions or impairments and includes education about the child's health condition and the knowledge and skills needed for self-care. Should include an Individual Emergency Plan, shared as appropriate with school staff. Kept by school nurse in student's health file; occasionally shared with teachers assisting with meeting goals of student's plan.	Purpose: - Used by school team to identify appropriate interventions to support students' educational performance Federally mandated for students eligible to receive services under the Individuals with Disabilities Education Act (IDEA).	Purpose: - Used by school team to ensure federally mandated modifications or services are provided to students with physical or mental conditions that substantially limit their ability to participate in public education programs and activities. - Developed in response to againfant impairment to major life furnions that can occur while a student is at school (e.g., breathing difficulties associated with astima). - In corporates asstama care-related modifications and services in Nursing Care Plan (Health Care Plan).
Target: • All students with asthma, especially those with persistent asthma.	Target • All students with asthma, especially those most at risk for acute episodes or attacks (e.g., those in poor control, those with significant morbidity, those with persistent asthma).	Target: • All students with asthma, especially those most at risk for acute episodes or attacks (e.g., those in poor control, those with significant morbidity, those with persistent asthma).	Torget: • Students qualifying for special education services because of a chronic illness do so through the casegories of "other health impaired." • For special education students aged 3-21 years.	Target: • For general education students experiencing significant impairment to major life functions that act an occur while the student is at school (e.g., breathing difficulties associated with asthma).
Responsible Party: Developed by health care providers in collaboration with the student and parent(s) and provided to school nurse or designee with parental permission. Can be developed by school nurses based on parent input and signed prescribed medication administration forms and sent to the health care provider for review and signature. If appropriately completed and signed, can serve as medical orders for medications, treatment and care, depending on local policy and state law.	Responsible Party: • Developed by school nurse using information from students health care provider and parents to address actions for managing acute asthma episodes. • School nurse distributes plan or information to appropriate school personnel.	Responsible Party: Developed by school nurse using information from students' health care provider, child, and parents, to address actions for managing acute asthma episodes. Uses nursing process: assessment, planning, intervention, outcomes, evaluation.	Responsible Party: • Multidisciplinary team in collaboration with parents. • Health component of the IEP is developed by the school nurse.	Responsible Party: • 504 coordinator or liaison and team as designated by school or district.
Other: • Used in developing Emergency Action Plans	Other: • Based on student's Asthma Action Plan or on the Emergency Action component of the Nursing Health Care Plan (developed from either the Asthma Action Plan or, if not available, form the School-Wide Respiratory Distress Protocol).		Other: • Nursing Care Plans (Health Care Plans) may be attached as the health component of the IEP (location in which the HCP is kept noted on the IEP).	
School Wide Emergency Dlane and Brotocole	300		I. National Association of School Nu	1. National Association of School Nurses, School Nurse Asthma Management Program, pg. 02-22

School-Wide Emergency Plans and Protocols

Puppas: To address specific actions to be taken for any student of staff in respiratory distress, including those with asthma; for school-wide distribution. Targets I students and staff.

Responsible party: School nurse and school physician consultant.

5 Steps to Follow for an Asthma **Episode in the School Setting**

If student has excessive coughing, wheezing, shortness of breath, or chest tightness:



Help to an upright position; speak calmly and reassuringly



Follow individualized action/emergency plan for use of quick-relief inhaler



If quick-relief inhaler or action/emergency plan not available, send to health office accompanied by peer or with staff member



Get emergency help from school nurse or designated emergency staff if student has any of

these:

- Inhaler not helping
- Breathing hard & fast
- Nostrils open wide
- Can't walk or talk well



If not breathing, unconscious, lips are blue, struggling to breathe (hunched over or ribs show), or other signs of distress

Notify parent or guardian.



Contact (631) 231•5864 X12



American Lung Association Tip Sheet: Sample Field Trip Medication Policy

School Nurse should be advised by teacher as soon as a field trip is approved in order that the Nurse may make arrangements for proper dispensing of medication.

School Nurse will prepare a pack of students' medications, spacers and peak flow meters for each teacher. A teacher will carry his/her students' emergency medication with accompanying doctor's orders during the field trip.

A Registered Nurse will accompany field trips, if after consultation with the Principal, the medical/medication requirements of that students cannot be met by delegation.

A student may carry **emergency** medication on his/her person if the student's physician and the school nurse have authorized self-carry, and if the parent/guardian has indicated on the Parent/Guardian Authorization for Prescription Medication Administration form that the student has been fully instructed and is capable of self-administration, if needed.

It is recommended that all students who require emergency medication to be administered by the School Nurse ride on the same bus.