

## Asthma

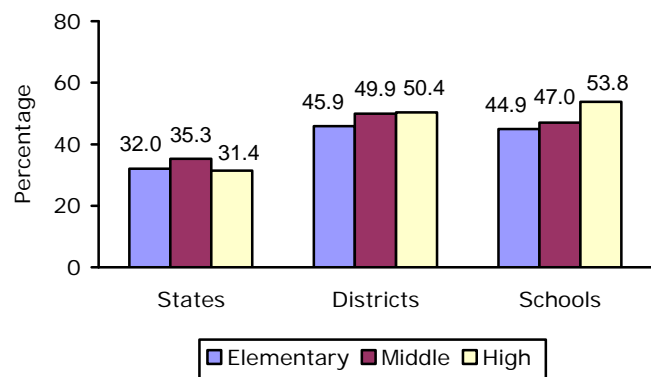
**About SHPPS:** SHPPS is a national survey periodically conducted to assess school health policies and programs at the state, district, school, and classroom levels. Comprehensive results from SHPPS 2006 are published in the *Journal of School Health*, Volume 77, Number 8, October 2007.

### Health Education

During the 2 years preceding the study:

- 63.3% of states and 45.9% of districts provided funding for staff development or offered staff development on asthma awareness to those who teach health education.
- 23.6% of elementary school classes and required middle school and high school health education courses had a teacher who received staff development on asthma awareness.

**Percentage of States, Districts, and Schools That Required Teaching Asthma Awareness, by School Level**



### Physical Education and Activity

During the 2 years preceding the study:

- 44.9% of states and 59.3% of districts provided funding for staff development or offered staff development to those who teach physical education on chronic health conditions (e.g., asthma or diabetes), including recognizing and responding to severe symptoms or reducing triggers.
- 43.6% of elementary school classes and required middle school and high school physical education courses had a teacher who received staff development on chronic health conditions.

### Health Services

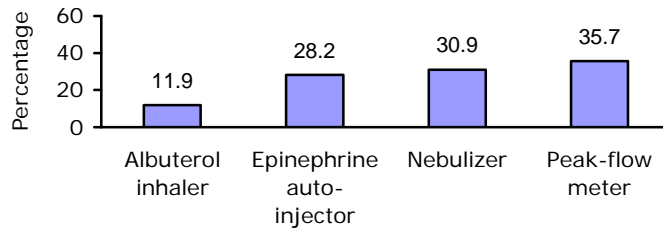
- 35.7% of schools had a full-time school nurse, defined as having an RN or LPN present in the school for at least 30 hours per week during the 30 days preceding the study, and an additional 50.6% had a part-time school nurse (one present less than 30 hours per week).
- 45.1% of schools had a nurse-to-student ratio of 1:750 or better.

<b>Percentage of States and Districts That Required the Provision of Asthma-Related Services and Percentage of Schools That Provided These Services</b>			
<b>Health Service</b>	<b>States</b>	<b>Districts</b>	<b>Schools</b>
Case management for students with chronic health conditions (e.g., asthma or diabetes)	28.0	65.5	74.1
Identification or school-based management of chronic health conditions	57.1	76.0	81.9
Instruction on self-management of chronic health conditions	14.0	44.7	78.7
Tracking of students with chronic health conditions	26.5	63.6	79.0

**Health Services (continued)**

- The percentage of states that allowed some students to carry and self-administer a prescription quick-relief inhaler increased from 45.8% in 2000 to 88.0% in 2006.<sup>1</sup>
- The percentage of elementary schools that permitted students to carry and self-administer a prescription quick-relief inhaler increased from 59.3% in 2000 to 76.9% in 2006.
- 83.3% of middle schools and 92.0% of high schools permitted students to carry and self-administer a prescription quick-relief inhaler.

**Percentage of Schools That Had Asthma-Related Equipment Available Not Just for a Specific Student's Use**



Medication	States	Districts	Schools
Prescription quick-relief inhaler	88.0	74.5	81.6
Epinephrine auto-injector	66.0	55.2	54.7
Other prescribed medications	28.0	15.9	13.2

Information	States	Districts	Schools
Physical health history	50.0	84.6	89.7
Authorization for emergency treatment	53.1	87.5	93.0
Asthma action plan	45.1	79.1	91.6
Medication needs	68.0	93.3	98.4
Physical activity restrictions	42.9	86.3	95.0

Topic	States	Districts	Coordinators
Case management for students with chronic health conditions (e.g., asthma or diabetes)	68.0	55.7	70.2
Identification or school-based management of chronic health conditions	84.0	66.5	82.5
Teaching self-management of chronic health conditions	80.0	55.6	73.4
Tracking of students with chronic health conditions	48.0	45.6	61.7

\*During the 2 years preceding the study.  
†Among those who served as study respondents.

<sup>1</sup> Selected changes between 2000 and 2006 are included if they met at least 2 of 3 criteria (p < .01 from a t-test, a difference greater than 10 percentage points, or an increase by at least a factor of 2 or decrease by at least half). Variables are not included if they do not meet these criteria or if no comparable variable existed in both survey years.

Where can I get more information? Visit [www.cdc.gov/shpps](http://www.cdc.gov/shpps) or call 800-CDC INFO (800-232-4636).

