

Office of Coordinated School Health Annual Data and Compliance Report 2008



SCHOOL HEALTH, WELLNESS, MEDICATIONS and PROCEDURES TENNESSEE PUBLIC SCHOOLS

TCA § 49-5-415
TCA § 49 -1-1001 et seq
TCA § 49-6-5004
TCA § 49-3-359 (c) (2)
TCA § 49-5-414
TCA § 49-6-2307



Tennessee Department of Education

ED-3090 (Rev 8-07)

Office of Coordinated School Health Annual Data and Compliance Report 2008

The Office of Coordinated School Health surveys all public school systems annually to monitor compliance with state school health laws and to assess the scope of school health services provided to Tennessee public school students. All 136 school systems and the four special schools returned their survey for inclusion in this report.

MEDICATIONS

Total Number of Students Self-Administering Medications at School - Statewide

Type of Medicines <u>Self-Administered</u> at School During the School Year Under Supervision of School Personnel	Number of Students <u>Self-Administering</u> these Medications at School	Percent of Total
Inhalants	17,747	28.0%
Insulin	1,695	2.7%
Topical	8,998	14.1%
Behavioral	5,371	8.4%
Antibiotic	2,707	4.2%
Seizure control/prevention	758	1.1%
Other	26,298	41.3%
Total	63,574	100%

*The most common medications administered by students are:
Other - Non-Specified drugs (41.3%) Inhalants (28%) and Topical (14.1%), .*

***Number of Students Receiving Medications Administered by a
Health Care Professional - Statewide***

Type of Medicines	Total Number of Students Receiving Medication Administered by Licensed Health Care Professional	Percent of Total
Insulin	923	1.4%
Insulin Pump assistance	612	0.8%
Aerosol	4,079	5.6%
Topical	26,233	36.2%
Behavioral	3,651	5.0%
Antibiotic	3,001	4.1%
Seizure Control	767	1.0%
G Tube (any medicines)	271	0.3%
Other	32,802	45.3%
Total	72,339	100%

The most common medications administered in schools by a health care professional are: Other (45.3%), Topical (36.2%) and Aerosol (5.6%).

Number of Students Receiving a Health Care Procedure on a Daily or Routine Basis at School from a Licensed Health Care Professional - Statewide

Procedure Performed by Licensed Health Care Professional	Total Number of Students Receiving Procedure on a Daily or Routine Basis at School from Licensed Health Care Professional	Percent of Total
C.I.C.	219	3.2%
G/T tube feeding	457	6.6%
Trach care	95	1.0%
Injections	886	12.9%
Blood glucose monitoring	1,766	25.8%
Nebulizer treatment	1,209	17.7%
Carb counting	1,430	20.9%
Other	761	11.1%
Total	6,823	100%

The most frequent procedures performed by Licensed Health Care Professionals are: Blood Glucose Monitoring (25.8%), Carb Counting (20.9%) and Nebulizer Treatment (17.7%).

Indicate Type of Secured Storage Used For Medications in the School - Statewide

Locked Cabinet	138
Locked Desk Drawer	76
Locked Storage Closet or Cabinet	104
Other Secured Location (specify)	50

Most medications are stored in a locked cabinet, storage closet or desk drawer.

Number and Type of Personnel Trained Annually and Assigned to Handle Medications and Record Keeping - Statewide

Personnel Trained Annually and Assigned to Handle Medications and Record Keeping	Total Number	Percent of Total
Principals	555	6.0%
Assistant Principals	366	3.6%
Teachers	4,782	47.2%
School Counselors	241	2.3%
Secretaries	2,361	23.3%
Nurses	1,079	10.6%
Nurse Assistants	36	0.0%
Other (specify)	701	6.9%
Total	10,121	100%

The vast majority of school personnel trained annually to handle medications and record keeping are teachers (47.2%) followed by secretaries (23.3%) and Nurses (10.6%).

School Nurses

Total Number and Type of School Nurses Working in Tennessee's School Systems

Nurses	Total FTE's* Employed by School System	Total FTE's Contracted by School System
Registered Nurses		
School Nurses**	430	154
Special Ed Nurses ***	378	5
Licensed Practical Nurses		
School Nurses **	286	247
Special Ed Nurses ***	127	5
Total	1,221	411

*FTE = **Full Time Equivalent** (use whole numbers with decimals to show totals for each)

**BEP funds specified, other local, or federal sources used to employ or contract

***Special Education funds used to employ or contract

School systems hire nurses to serve the general school population and to serve the special education population.

Nurses can be hired as full time employees (75%) **or** their services can be provided through a contract (25%).

Tennessee school systems employed 665 LPN's and 967 RN's during the 2007-2008 school year.

515 nurses (LPN's and RN's) served special education students.

1,117 nurses (LPN's and RN's) served the general school population.

A total of 1,632 nurses (both RN's and LPN's) worked in Tennessee schools this past year serving both the general school population and the special education population.

Required Reading for Nurses

Number of school systems that provided Guidelines for Use of Health Care Professionals and Health Care Procedures in a School Setting, (TCA 49-5-415) to each principal and school nurse. (All nurses should receive staff development annually due to frequent revisions):

Yes: **134** No: **3** No Answer: **3**

Most school systems in Tennessee are in compliance with this law.

Number of school systems that provided Quality Nursing Interventions in the School Setting by Janice Hootman and Pediatrics Education for Diabetes manual from the PADRE Foundation referenced in the *Guidelines* to all nurses and their supervisors (TCA 49-5-415)

Yes: **134** No: **6** No Answer: **0**

Most school systems in Tennessee are in compliance with this law.

Number of Nurses-to-Students Ratio

Number of School Systems that meet the requirement for number of nurses per students ratio of 1:3,000.
(Does not include nurses who are contracted or hired to provide procedures or treatments only.)

Yes: **133** No: **7** No Answer: **0**

Most school systems in Tennessee are in compliance with this law.

CARDIO-PULMONARY RESUSITATION (CPR) REQUIREMENTS (TCA 49-5-414)

Total number of full-time school employees who are currently certified in CPR: **15,258**

Number of school systems that provided CPR training as a Professional Development opportunity this past school year (2007-2008): Yes: **126** No: **11** No Answer: **3**

Total number of school staff that participated in professional development for CPR: **10,682**

Type of payment source for training and re-certification in CPR by school systems:

- ◆ Staff incurs cost - **6**
- ◆ LEA incurs cost - **120**
- ◆ Did Not Answer - **13**
- ◆ Staff & LEA Pays - **0**

If LEA pays, which program covers the cost?

- ◆ School Safety - **5**
- ◆ Safe and Drug-Free Schools - **6**
- ◆ General fund - **83**
- ◆ More than one funding source - **0**
- ◆ Other – **22**
- ◆ No Answer-**23**

Total number of schools that provided CPR training to students (Public Chapter 866):

- ◆ Yes: **273**

Total # of Students that received CPR training during the 2007-2008 school year: 24,856

Health Screenings

Number of School Systems that Provide Health Screening Programs

Type of Health Screening	Number of School Systems (140 total possible)	Percent of Total # of School Systems
Vision	136	97%
Hearing	132	94%
Dental	55	39%
Body Mass Index (BMI)	120	86%
Blood Pressure	117	84%
Scoliosis	58	41%
Other	4	3%

Most school systems are providing vision and hearing screening for their students. Approximately, 39% of all school systems are providing some type of dental screening and 86% are collecting BMI data.

Total Number of Students Referred to a Healthcare Provider as a Result of School Health Screening Programs - Statewide

Type of Health Screening	Number of Referral(s) made to a Healthcare Provider	Percent of Total
Vision	27,962	27%
Hearing	7,777	7%
Dental	15,091	14%
Body Mass Index	46,700	45%
Blood Pressure	5,868	6%
Scoliosis	937	1%
Other	197	0%
Total	104,532	100%

Most referrals made to a Health Care Provider were a result of BMI screenings (45%), vision screenings (27%), and dental screenings (14%). There were 104,532 referrals made to Health Care Providers as a result of school screenings this past year.

Student Diagnoses

Total Number of Students in School Systems with Diagnosis of Chronic Illness or Disability- Statewide

Chronic Illness or Disability Diagnosis	Total Number of Students During School Year	Percent of Total
Diabetes	3,039	2.6%
Asthma	48,902	42.1%
ADHD/ADD	27,687	23.8%
Seizure Disorder	4,795	4.1%
Severe Allergy	19,146	16.5%
Other	12,396	10.6%
Total	115,965	100%

Most Tennessee students were diagnosed with Asthma (42.1%), ADHD/ADD (23.8%) and Severe Allergy (16.5%).

INDIVIDUAL HEALTH PLAN

Number of school systems that developed an Individual Health Plan (IHP) for all students with chronic or long-term illnesses (*i.e. Asthma, Diabetes, Seizures, Sickle Cell Anemia, Cardiac Conditions, and Severe Allergic Reactions*) (*School Nurse is involved where available*):

Number of School Systems

Yes: **126** No: **12** NA: **2**

90% of all Tennessee school systems developed Individual Health Plans for students with chronic or long-term illnesses.

PHYSICAL EDUCATION/ACTIVITY

Number of school systems that provided daily physical education for students:

Yes: **84** No: **54** NA: **2**

Only 60% of all school systems provide daily physical education for their students.

Number of school systems that provided 90 minutes of physical activity per week for all students (*Chapter 1001, Public Acts, 2006 House Bill 3750*) (*supervised recess, walking, class or group physical activity, integration into curriculum*):

Yes: **125** No: **13** NA: **2**

90% of Tennessee school systems have implemented the 90 minutes of physical activity law.

FOOD VENDING AND A LA CARTE

Number of school systems that are in compliance with TCA 49-6-2307 (*foods vended, served a la carte, sold or offered for sale*):

Yes: **136** No: **2** NA: **2**

Almost all Tennessee school systems (97%) are in compliance with the food vending and a la carte law.

HIV STAFF TRAINING

Number of school systems that provided annual staff training on HIV and blood-borne Pathogens:

Yes: **134** No: **4** NA: **2**

Almost all Tennessee school systems (96%) are in compliance with the HIV and Blood-borne Pathogens staff training law.

GLUCAGON POLICY/USAGE

Number of school systems that have a policy permitting emergency administration of Glucagon by school personnel:

Yes: **72** No: **65** NA: **3**

Only 52% of all Tennessee school systems have developed a Glycagon emergency administration policy.

Total number of times Glucagon was administered in schools during 2007-2008 school year: 12

Note: NA stands for "No Answer"

COORDINATED SCHOOL HEALTH (TCA 49-1-1001 et seq)

Coordinated School Health	Yes or No	Number Schools Involved	System wide Yes or No
A Coordinated School Health initiative, as mandated by TCA 49-1-1002, PC 1001, has been implemented in our school system.	NO 0 YES 136 NA 4	1035	NO 22 YES 118 NA 0
The Coordinated School Health Model has been reviewed and discussed at least annually during professional development/in-service. www2.edc.org/MakingHealthAcademic	NO 8 YES 128 NA 4	907	NO 25 YES 115 NA 0
School Health Advisory Council is in place. (system level)	NO 3 YES 133 NA 4	749	NO 20 YES 120 NA 0
<u>School Health Index</u> is used as a self-assessment and planning guide. www.cdc.gov/nccdphp/dash/SHI	NO 5 YES 131 NA 4	1,027	NO 17 YES 115 NA 8
School Health/Wellness Team or Committee has been formed and is meeting regularly. (school level) www.schoolhealth.org/schcoun.html	NO 10 YES 126 NA 4	937	NO 31 YES 104 NA 5
USDA Wellness Policy has been implemented. **Section 204 Public Law 108-265 Local Wellness Policy	NO 1 YES 129 NA 10	1,072	NO 13 YES 127 NA 0
Staff Wellness Program(s) have been developed and implemented. www.cdc.gov/nccdphp/dnps	NO 17 YES 118 NA 5	854	NO 43 YES 97 NA 0
School Safety and Emergency Plans have been reviewed and are updated at least annually. www.state.tn.us/education/learningsupport/SAVE.shtml	NO 1 YES 135 NA 4	1,204	NO 9 YES 130 NA 1
A HIV/AIDS/Family Life/Teen Pregnancy Prevention initiative has been implemented.	NO 22 YES 112 NA 6	647	NO 42 YES 83 NA 15

Current Revisions to Tennessee Code Annotated

1. Tennessee Code Annotated Section 49-5-415 was amended to permit possession and self-administration a prescribed, metered dosage, asthma-reliever inhaler by any asthmatic student if certain criteria are followed including the development of an Individual HealthCare Plan. (Public Chapter 493)
2. Tennessee Code Annotated Section 49-5-415 was amended to permit school personnel to volunteer to assist with the care of students with diabetes, excluding the administration of insulin. (Public Chapter 734)
3. Tennessee Code Annotated Section 49-5-414 and Section 49-3-359 (c) (2) were amended so each public school nurse employed or contracted by an LEA will maintain current CPR certification consistent with the guidelines of the American Heart Association. Additionally the law requires the Department of Education to survey schools for number of CPR certified personnel and students and to survey for the method of payment for CPR training for employees. Schools may provide CPR training as professional development. (Public Chapter 886)
4. Tennessee Code Annotated Section 49-6-5004 authorizes health care professionals to indicate the need for a dental or vision screening on any report or form used in relationship to reporting immunization status for a child. Health care professionals shall provide a copy of such report or form to the parents or guardians indicating the need to seek appropriate follow up. (Public Chapter 707)
5. Tennessee Code Annotated Section 49-1-1001 was amended (PC 554) to expand Coordinated School Health authorization and funding to all LEA's in Tennessee, established a State Coordinator and Physical Education Specialist position within the Tennessee Department of Education, and mandates that all students K-12 receive 90 minutes of physical activity per week.
6. The Guidelines for Use of Health Care Professionals and Health Care Procedures in a School Setting (TCA 49-5-415) was updated to include new allergy guidelines.