

School nursing is a specialized practice of nursing that protects and promotes student health, facilitates optimal development, and advances academic success. School nurses, grounded in ethical and evidence-based practice, are the leaders who bridge health care and education, provide care coordination, advocate for quality student-centered care, and collaborate to design systems that allow individuals and communities to develop their full potential.

-National Association of School Nurses



School Health Services 2018-19

January 2019 Bi-Annual Report

Lincoln County Health Department

In this Annual Report:

- ❖ Program Updates
- ❖ Data Dashboard
- ❖ Program Performance Objectives





Program Updates

2018 – 2019 School Year

➔ **New Staff Orientation**

New Merrill Area Public School staff orientation was held on August 22, 2018. During this presentation, new staff receive an overview of the school health services we provide. An evaluation of the training was completed attendees; the summary of results was shared with Director of Pupil Services and Special Education, Karen Baker.

➔ **Bus Driver Delegation**

Bus Driver health condition and emergency medication training was held on August 20, 2018. 30 attendees completed the training. Attendees receive an overview on chronic student medical conditions such as asthma, anaphylaxis, diabetes and seizure disorders. Emergency medication administration is also reviewed.

➔ **School Based Flu Shots**

School based flu clinics were held in September at all MAPS schools with 244 students vaccinated. \$6,320 dollars were saved in providing the flu shot to all students in Lincoln County. A follow-up evaluation will be completed this fall to see if students that received the flu shot were sick from school. The number of students that received their flu shots this year were as follows:

**Merrill High School - 84 students, PRMS - 51 students, Washington - 27 students,
Jefferson - 46 students, and Kate Goodrich - 36 students.**

Contact



Sarah Frisch, RN, BSN
Public Health Nurse
715-539-1367
SRFrisch@co.lincoln.wi



School Health Services Dashboard 2018-2019



Emergency Nursing

Medication Errors		Health Conditions	
4	# of medication errors by school <small>Average taken over past 2 years</small>	544	# (22%) of students with one or more health condition by school <small>Average taken over past 2 years</small>
0	Kate Goodrich Elementary Average: 9/year	104	Kate Goodrich Elementary Average: 153/year
1	Jefferson Elementary Average: 1/year	62	Jefferson Elementary Average: 93/year
0	Maple Grove Elementary Average: 0/year	4	Maple Grove Elementary Average: 9/year
2	Washington Elementary Average: 5.5/year	42	Washington Elementary Average: 71/year
1	Prairie River Middle School Average: 23/year	123	Prairie River Middle School Average: 150/year
0	Merrill High School Average: 4/year	195	Merrill High School Average: 219/year
0	Pine River School for Young Learner Average: 0/year	14	Pine River School for Young Learner Average: 16/year
Emergency Calls		School Nurse Delegation	
6	# of HEAT Team emergency calls by school Average: 4.3 <small>Average taken over past 3 years</small>	214	# of school staff receiving delegation training by school nurse by school
5	Merrill High School Average: 4/year		Kate Goodrich Elementary (49 staff) Jefferson Elementary (25 staff) Maple Grove Elementary (7 staff) Washington Elementary (32 staff) Prairie River Middle School (54 staff) Merrill High School (23 staff) PRSYL (24 staff)
1	Prairie River Middle School Average: 0.3/year		



Student Health Care

Visits to School Nurse		Student Immunizations 2018-2019	
1083	# of students visiting the school nurse by school <small>*Data collected from Sept to Dec 2018</small>	98.7%	% of all students meeting school immunization requirements Lincoln County Average: 98.7% WI: 92.3% <small>*Average taken over past 4 years; WI 2017-2018 Results</small>
200	Kate Goodrich Elementary	100%	Kate Goodrich Elementary Average: 99.8%
55	Jefferson Elementary	100%	Jefferson Elementary Average: 100%
54	Washington Elementary	99%	Washington Elementary Average: 99.8%
563	Prairie River Middle School	94%	Prairie River Middle School Average: 94.8%
202	Merrill High School	99%	Merrill High School Average: 99.5%
9	Maple Grove Elementary	99%	PRSYL 99% Average: 98.8%
		100%	Maple Grove 100% Average: TBD

Outcome of Nurse Visit		Health Screening	
82%	% of student visits to school nurse that went back to class (Total # of visits: 1083) Average: 82.3% <small>Average taken over past 3 years</small>	280	# of students screened for hearing at school Kate Goodrich Elementary: 102 Jefferson Elementary: 64 Maple Grove Elementary: 30 Washington Elementary: 84 PRSYL: 60
	Health Screening	916	Tomahawk Elementary: 143 St. John's: 39 St. Francis: 19 Trinity: 34 St. Mary's: 25
801	# of students screened for vision at school Kate Goodrich Elementary: 240 Jefferson Elementary: 64 Maple Grove Elementary: 56 Washington Elementary: 200 PRMS: 6 th grade: 180 PRSYL: 61		

PRSYL Requirements		PRSYL Health Fair Day Outcomes	
97%	% (n=88) of students meeting health exam requirements by the 45th day of the beginning of school. PRSYL Average: 97% (n=84) of physicals completed	64	# of students that participated in the Health Fair (76% (49) on Medicaid) Average: 69
		57	84% (54) of students receiving a dental exam Average: (90%) 62
		52	81% (52) of students receiving a fluoride varnish Average: (90%) 62
		61	95% (61) of students receiving Hemoglobin and Lead Average: (94%) 65

	100% hearing completed 100% vision completed	33 10	52% (33) of students receiving Physical Exam Average: (70%) 48 14% (10) of students receiving Immunizations Average: (22%) 15
--	---	------------------------	--



Dashboard Data Detail

Below are the abbreviated references for the data presented in the dashboard. Note that some measures have more years of data available.



Emergency Nursing

Medication Errors: Number of errors by school from September to December 2018

Source: Skyward report **Average:** Data from 2016/2017 and 2017/2018 school year.

Health Condition: Percent of students reporting a health condition per parent/guardian per school from September to December 2018. **Source:** Lincoln County Health Department Database **Average:** Data from 2016/2017 and 2017/2018 school year.

Emergency Calls: # of Heat Team emergency calls from September to December 2018

Source: Lincoln County Health Department **Average:** Data from 2016, 2017 and 2018 school year.

School Nurse Delegation: # of school staff receiving delegation training by school nurse by school from September – December 2018. **Source:** Lincoln County Health Department Database.



Student Health Care

Visits to School Nurse: # of students visiting the school nurse by school from September – December 2018. **Source:** Skyward report (No averages available at this time, year-end averages will be provided in end of year report)

Outcome of Nurse Visit: % of visits to school nurse that went back to class from September – December 2018. **Source:** Skyward report **Average:** Data from 2015-2016, 2016-2017, 2017-2018 school years.

PRSYL Requirements: % of students meeting health exam requirements by 45th day of beginning of school from September – December 2018. **Source:** School database **Average:** Data from 2017-2018

Student Immunization: % of all students meeting school immunization requirements 2018-2019 school year. (A signed waiver meets the requirement.) **Source:** Skyward and school reports **Average:** 2014 – 2018 school years. **Wisconsin Average:** 2017-2018 School year.

Health Screening: # of students screened for hearing and or vision at all public schools September – December 2018. **Source:** School Records **Average:** To be determined in future years.

PRSYL Health Fair Day Outcomes: # of students that participated in the Health Fair August 2018. **Source:** LCHD Records **Average:** 2017 Health Fair



Emergency Nursing



Lincoln County Health Department works in conjunction with Merrill Area Public Schools and its medical advisor to review Emergency Nursing Services policies and protocols annually. These protocols deal with management of illness, accidental injury, and medication administration at all school-sponsored events. School districts must make available emergency pupil information, first aid supplies, and appropriate and accessible space for providing health care to students.

Program Performance Objectives

Timeliness of Reporting Student Health Conditions

Goal: By October 1, 2018, 95% of enrolled students at each school, will have their health information forms (HIFs) on file.

Current Process: At the beginning of the school year, during online registration, families are required to fill out a health information form for each student. This form provides needed information on the student's health status examples: vision, seizures, allergies, diabetes, chronic headaches, etc. On average 1 out of every 4 children has a health issue indicated on this form. Not all health condition is in need of a health plan but all information is provided to school staff to ensure safety and health of the students. Health information forms were a combination of online and paper forms during the 2017/2018 school year. This year online registration was required.

Importance: In order to promote health, school nurses develop health plans for children with acute and chronic health needs in the school based on the information parents provide. Nurses provide emergency and individual health care plans to outline how school nursing services will be provided during the school day. It is important to have this information timely so school staff is prepared by the school nurse for any health conditions that could arise. This is done through information sharing and delegation training.

Results: By October 1, 2018, 99% of enrolled students at each school will had their health information on file. This is an improvement from 92% in 2016-2017 school year. This improvement was due to the fact that the health information forms were a required form for parents to fill out during the registration process.

Informing Staff Timely Regarding Health Conditions

Goal: By September 1, 2018, 100% of the schools will compile a confidential student health condition list accessible to school personnel via google drive. **Baseline:** In 2016/2017, 3 out of 7 schools had the list available by September 1st. In 2017/2018, 0 schools had the list available by September 1st.

Current Process: After the information is gathered from the health information forms, the nurses compile a confidential list of students that have health conditions and of students that have specific health plans. This list is compiled and shared with staff via Google Drive (an online file database). The school nurses work to get this list out to staff by the beginning of the school year, but can be met with challenges if parents do not return appropriate paperwork specific to their child's health plan. This list is continually monitored and updated as the school year progresses.

Results: 3 out of 5 schools, 60%. At the beginning of the school year school nurses are busy working on student health plan development and state immunization audits. No QI projects were implemented, but plan for improvements have been discussed among school nurses. For the 2019/2020 school year, we plan on uploading the 2018/2019 list for staff to have available and then modifying that list as changes occur.

Keeping Students Healthy and Safe on Field Trips

Goal: By December 31, 2018, 100% of School Nurses will report proper MAPS staff adherence to approved field trip process and forms. **In order to achieve this Goal:** A QI project was implemented from this goal.

A Quality Improvement project was developed in March of 2018 to create and implement a staff check list that is consistent among all schools, to help improve process of MAPS staff notifying school nurses of upcoming field trips within a week of the trip. Having enough notification time will allow school nurses to:

1. Gather needed student health information
2. Prepare student medication and
3. Prepare and train MAPS staff.

Problem: In the past MAPS staff were using outdated field trip forms, not using a field trip form at all, not notifying the nurse in adequate amount of time prior to the field trip, and not providing the nurse a list of students that were attending.

Current Progress: A new list was created by the school nurses and was distributed and explained to all MAPS staff at every school. Nurses tracked if staff were using the checklist to notify nurses of upcoming trips and if they are doing so within the 1 week time frame.

Results: 123 field trips were documented with 12 (10%) field trips not following approved field trip process. Numbers should also be higher as one school did not follow the process at all. Our AIM statement of "By December 31, 2018, 100% MAPS staff will adhere to approved field trip process, checklists and forms" was not met, however, with continue work with school administration the process did show improvement. Results will be shared with school administrators. This will also continue to be a performance management objective for the 2019/2020 school year.



Student Health Care



The nurse is instrumental in providing a system for care to assure that the health needs of the students are addressed during the school day.

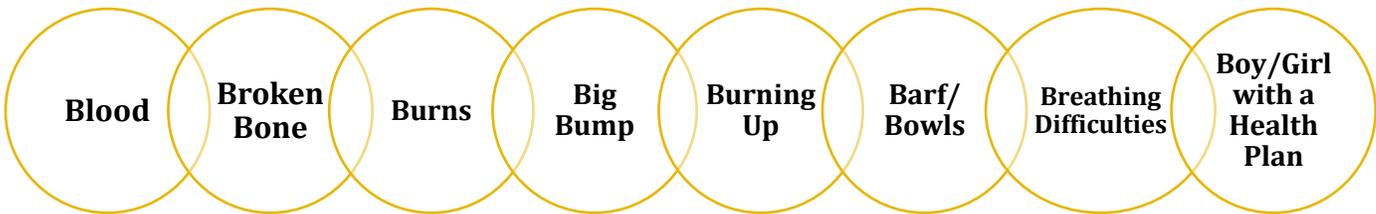
Program Performance Objectives

Updated on Efficient and Effective Triage of Students

Goal: A Quality Improvement project was developed in March of 2017 to decrease the number of student health visits at PRMS. The 8 B's was implemented which gave staff guidance on when it was appropriate to send students to see the nurse.

Results: As seen in the graphic below, since implementation of this guide and staff education, the number of visits to the nurse at PRMS decreased from 1,710 in 2016/2017, to 1,455 from 2017/2018 and to 563 in 2018/2019 from the months of September to December.

The "8 B's" and the "20 Minute Rule"
Send B's to the Nurse. All other complaints *wait 20 minutes* to see if complaint resolves which it usually does. If you are unsure, you can always call the nurse.



Share a Story

During the 2018/2019 school year, the school nurse worked with a high school student and their family, to ensure that their prescribed medication regime was being followed. This particular student is prescribed to take the medication daily in order to help with a medical condition that would allow him to eat. Prior to the medication being prescribed, this student had given up eating almost completely at home and at school. With help from counseling, student services, the school nurse and the family, a plan was put in place to administer the meds at school each day directly under nurse supervision. The medication is prepared in a way that will allow the student to take the prescribed dose in a way that is most comfortable for the student. By putting this plan into place, the student is now taking the medications every day at school and at home. The medication is working and the student is now eating at school.