

**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

## June 2019 Bi-Annual Report

### Lincoln County Health Department

#### In this Annual Report:

- ❖ Program Updates-
  - What's New?
  - Student Education
- ❖ Data Dashboard
- ❖ Program Evaluation





## Program Updates

### What's New?

#### ➔ Flu shot follow up

School nurse Jenny Johnson conducted follow up calls to parents of students that received flu vaccine at Merrill High School and Washington Elementary School (9/24/19) were made to see if they still became ill after receiving the flu shot. Calls **Merrill High School - 84 students and Washington - 27 students**

A total of 113 follow up calls were made.

- (16) Yes- positive for signs and symptoms
- (27) No
- (52) No answer/couldn't reach
- (2) No contact with their kids since clinic
- (13) phone did not work/provided
- (3) too busy to talk now

#### ➔ Measles Outreach-Letters

Because of the increase in measles cases in the United States, informational letters were sent home, in March, to families of children that are not protected against measles. 31 letters went out to families district wide. The letters provided information how a confirmed case of measles would affect their child should an active case at their school be identified. A fact sheet on measles was also included with the letters.

#### ➔ Extension of EpiPen Expiration date

U.S. Food and Drug Administration announced the extension of the expiration dates by four months of all lots of EpiPen 0.3 mg Auto-Injectors currently on the market in the U.S. This announcement is based on a careful review of product stability data provided by Meridian. Our hope is that the expiration extension will help alleviate the EpiPen 0.3 mg strength shortage situation as Pfizer continues its efforts to increase production.

#### ➔ New nurse

Lincoln County Health Department is pleased to announce the addition of a new nurse to our staff. Mary Klade, RN, BSN started with the Department this June. She will provide school nursing services to Kate Goodrich Elementary and will also serve as a substitute at other MAPS locations.

## Student Education

### ➔ **Poison Safety at Maple Grove Elementary**

March is National Poison Control month and School Nurse Karen Krueger presented a poison awareness activity to each classroom on March 29<sup>th</sup> at Maple Grove Elementary. The students were instructed on what poisons are, how they may affect us, and what to do if they encounter a poison. The presentation involved a classroom activity of choosing various pictured items out of a box and deciding if the item was a poison and place the item in the 'not safe bag' or a safe product to handle and place the item in the 'safe bag'. All students received a magnet containing the poison control hotline number to take home.

### ➔ **Bike Helmet Safety**

School Nurse Karen Krueger presented to all PRSYL students and staff on May 30<sup>th</sup> the importance of wearing a bicycle helmet with a demonstration of her own bike helmet along with short video of what happens if a helmet is not worn. Each new student at PRSYL receives a new bicycle helmet in May secured with a grant from the Biermann Family Foundation.

### ➔ **6<sup>th</sup> Grade Students, Community Forum**

On April 3<sup>rd</sup>, the 6<sup>th</sup> grade students at PRMS participated in a community forum. The students listened to several community members including members from St. Vincent DePaul Food Pantry, Merrill Police DARE Officer, School Resource Officer, Homeless Shelter Director, and Lincoln County Humane Society Director, speaking on important trending topics that the students were interested in. The students then broke into groups to gather further information from the speakers and develop a research paper on those topics. School nurse Jenny Johnson participated from PRMS and spoke on what mental health means and self-care strategies for teens.

### ➔ **Healthy People Healthy Planet at Washington School**

Washington Elementary celebrated environmental and children's health on April 23<sup>rd</sup>. School nurse Jenny Johnson participated with having an interactive booth on the importance of low sugar drinks and ensuring good brushing habits. Several types of popular sports, energy and sodas were in small cups with hard boiled eggs and compared to the cup with the egg in plain tap water. Students got the opportunity to brush the eggs and see how difficult it was to remove the sticky film from the shell. A student nurse assisted and asked them true/false questions about healthy oral care habits. The children also got a free toothbrush, paste and floss kit when they participated at the booth.

### ➔ **Human Growth and Development**

Human growth and development presentations took place in April at the middle school for the 8<sup>th</sup> grade students. Human growth and development presentations for all 4<sup>th</sup> and 5<sup>th</sup> grade students in the district were held in May.

# School Health Services Dashboard

## 2018-2019



### 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.

Medication Errors		Health Conditions	
<b>8</b>	<b># of medication errors by school</b> <i>Average taken over past 3 years</i>	<b>379</b>	<b># of students with one or more health condition by school</b> <i>Average taken over past 3 years</i>
<b>1</b>	Kate Goodrich Elementary Average: 6/year	<b>106</b>	Kate Goodrich Elementary Average: 153/year
<b>1</b>	Jefferson Elementary Average: 1/year	<b>64</b>	Jefferson Elementary Average: 94/year
<b>0</b>	Maple Grove Elementary Average: /year	<b>8</b>	Maple Grove Elementary Average: /year
<b>2</b>	Washington Elementary Average: 5.5/year	<b>42</b>	Washington Elementary Average: 71/year
<b>3</b>	Prairie River Middle School Average: 23/year	<b>128</b>	Prairie River Middle School Average: 152/year
<b>1</b>	Merrill High School Average: 3/year	<b>198</b>	Merrill High School Average: 220/year
<b>0</b>	Pine River School for Young Learners Average: 0/year	<b>13</b>	Pine River School for Young Learners Average: 16/year

Emergency Calls		School Nurse Delegation	
<b>6</b>	<b># of HEAT Team emergency calls by school</b> Average: 4.3 Average taken over past 3 years	<b>214</b>	<b># of school staff receiving delegation training by school nurse by school</b>
<b>5</b>	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)
<b>1</b>	Prairie River Middle School Average: 0.3/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.

Visits to School Nurse		Student Immunizations 2018-2019	
<b>2461</b>	<b># of students visiting the school nurse by school</b> <small>*Data collected from Sept 2018 to June 2019</small>	<b>98.7%</b>	<b>% of all students meeting school immunization requirements</b> Lincoln County Average: 98.7% WI: 91.9% <small>*Average taken over past 4 years; WI 2018-2019 Results</small>
<b>380</b>	Kate Goodrich Elementary	<b>100%</b>	Kate Goodrich Elementary Average: 99.8%
<b>97</b>	Jefferson Elementary	<b>100%</b>	Jefferson Elementary Average: 100%
<b>106</b>	Washington Elementary	<b>99%</b>	Washington Elementary Average: 99.8%
<b>1425</b>	Prairie River Middle School	<b>94%</b>	Prairie River Middle School Average: 94.8%
<b>434</b>	Merrill High School	<b>99%</b>	Merrill High School Average: 99.5%
<b>19</b>	Maple Grove Elementary	<b>99%</b>	PRSYL 99% Average: 98.8%
		<b>100%</b>	Maple Grove 100% Average: TBD

Outcome of Nurse Visit	
<b>87%</b>	<b>% of visit to school nurse by category</b> Average 84% *Average taken over past 4 year



## 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 by school:** Number of errors by school from September 2018 to June 2019 **Source:** Medication Logs **Average:** Data from 2016/2017, 2017/2018 and 2018/2019 school years. Kate Goodrich Elementary: Not given in correct time frame. Jefferson: Medication not documented. Washington: Not given in correct time frame. PRMS: 1 not given in correct time frame. 2 not documented. MHS: 1 med not given due to a field trip RN wasn't notified about.

**Health Condition:** Percent of students with a reported health condition per parent/guardian per school from September 2018 to June 2019. **Source:** Lincoln County Health Department Database **Average:** Data from 2016/2017, 2017/2018 and 2018/2019 school years.

**Emergency Calls:** # of Heat Team emergency calls from September 2018 to December 2019.  
**Source:** Lincoln County Health Department **Average:** Data from 2016/2017, 2017/2018 and 2018/2019 school years.

**School Nurse Delegation:**

# of school staff receiving delegation training by school nurse by school from September 2018 – June 2019. **Source:** Lincoln County Health Department database.



**Student Health Care**

**Visits to School Nurse:** # of students visiting the school nurse by school from September 2018 – June 2019. **Source:** Skyward report

**Outcome of Nurse Visit:** % of visits to school nurse that went back to class from September 2018 – June 2019. **Source:** Skyward report **Average:** Data from 2015/2016, 2016/2017, 2017/2018, and 2018/2019 school years.

**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:** 2018-2019 School year.

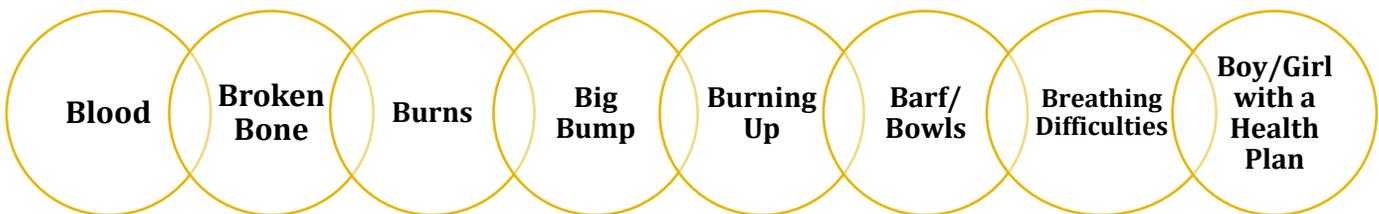
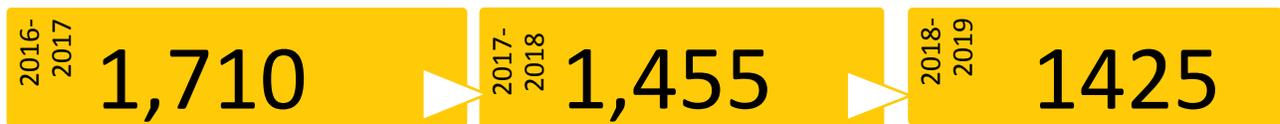
## Update on Efficient and Effective

### 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 1425 in 2018/2019.

**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.





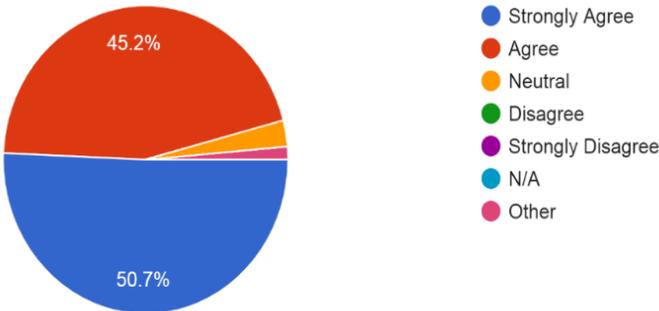
# Program Evaluation

## Customer Feedback

The following are results from the LCHD School Health Satisfaction Survey completed by MAPS school administration and staff in May/June of 2019. All 6 school principals as well as 69 additional MAPS staff members participated and completed the surveys. Overall, feedback was positive from all participants. Common responses were that staff would like to have the school nurse more often at the schools, this theme was consistent with all school responses.

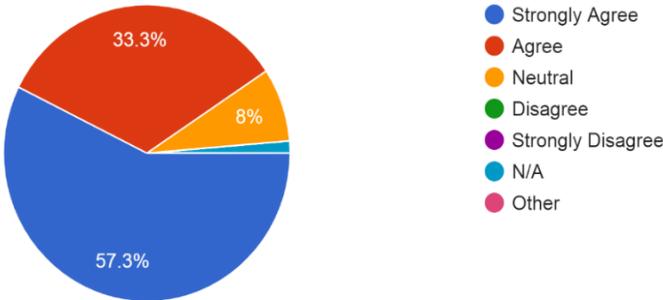
LCHD provides QUALITY Services. (services are accurate, timely, and complete)

73 responses



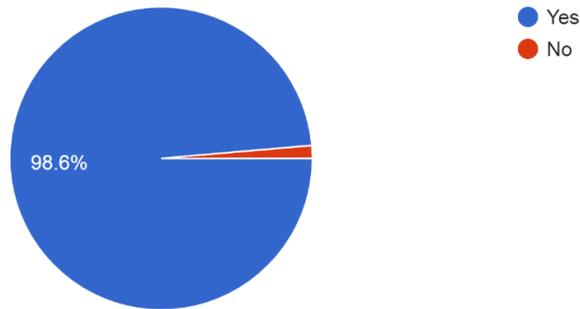
LCHD School Nurses provide LEADERSHIP. (staff provides guidance and best practices)

75 responses



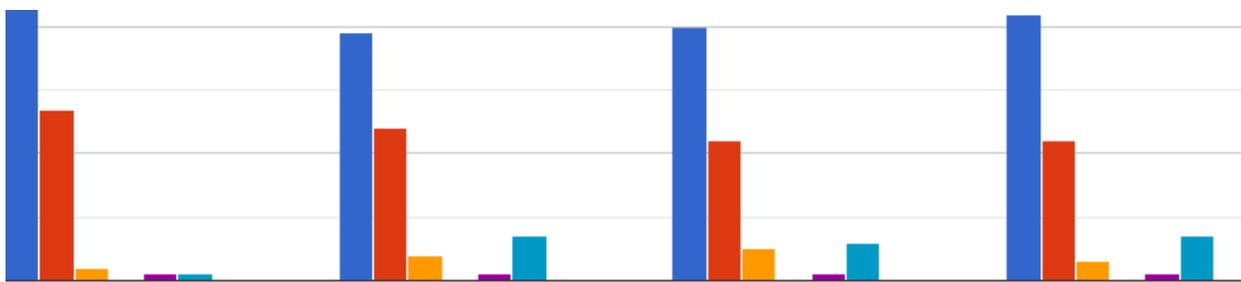
## Would you recommend our services to others?

73 responses



## Please rate your overall satisfaction with the following services:

Strongly Agree Agree Neutral Disagree Strongly Disagree N/A



43 – Strongly Agree  
27 – Agree  
2 – Neutral  
1 – Strongly Disagree  
1 – N/A

Identifying students with health needs

39 – Strongly Agree  
24 – Agree  
4 – Neutral  
1 – Strongly Disagree  
7 – N/A

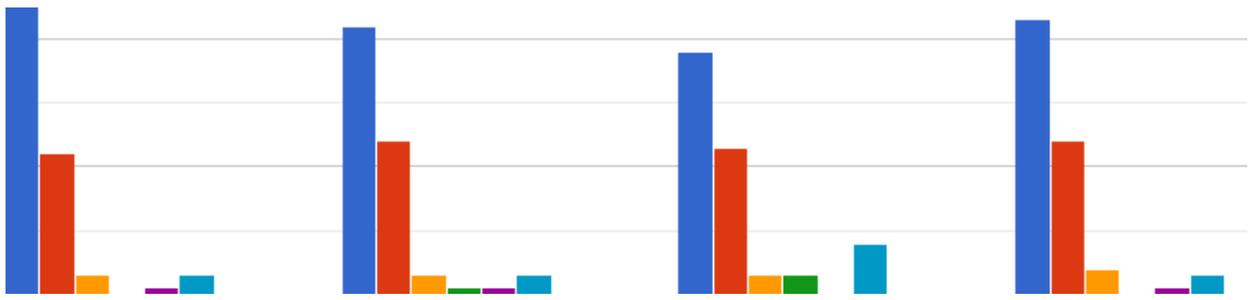
Providing professional nursing assessment, follow-up and referral to students with acute health conditions (a condition that will last less than 6 mos)

40 – Strongly Agree  
22 – Agree  
5 – Neutral  
1 – Strongly Disagree  
6 – N/A

Providing professional nursing assessment, follow-up and referral to students with chronic health conditions (a condition that will last longer than 6 mos)

42 – Strongly Agree  
22 – Agree  
3 – Neutral  
1 – Strongly Disagree  
7 – N/A

Providing individual health counseling on health related issues



45 – Strongly Agree  
 22 – Agree  
 3 – Neutral  
 1 – Strongly Disagree  
 3 – N/A

Developing individual health plans for students

42 – Strongly Agree  
 24 – Agree  
 3 – Neutral  
 1 – Disagree  
 1 – Strongly Disagree  
 3 – N/A

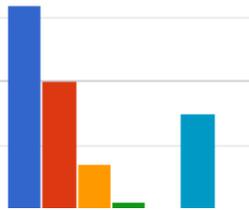
Providing delegation training to school staff and assessing competencies

38 – Strongly Agree  
 23 – Agree  
 3 – Neutral  
 3 – Disagree  
 8 – N/A

Assisting in providing training for screening (head lice, vision)

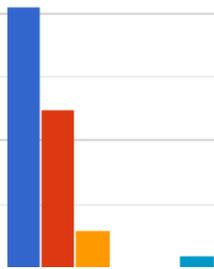
43 – Strongly Agree  
 24 – Agree  
 4 – Neutral  
 1 – Strongly Disagree  
 3 – N/A

Communicating with parents and staff regarding health care needs of students



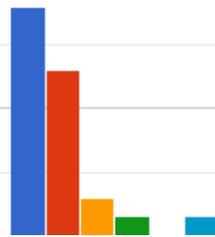
32 – Strongly Agree  
 20 – Agree  
 7 – Neutral  
 1 – Disagree  
 20 – N/A

Collaborating with school staff on the DPI Immunization Audit



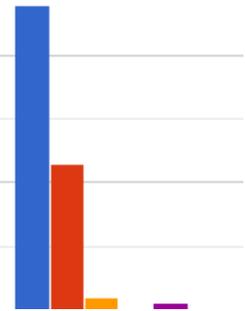
41 – Strongly Agree  
 25 – Agree  
 6 – Neutral  
 2 – N/A

Consulting with school staff on medication administration



36 – Strongly Agree  
 26 – Agree  
 6 – Neutral  
 3 – Disagree  
 3 – N/A

Consulting with school staff on communicable disease control



48 – Strongly Agree  
 23 – Agree  
 2 – Neutral  
 1 – Strongly Disagree

Maintaining confidential student health records

## What is most valuable about LCHD contracted school health services?

Reliable health service with quality staff. Can always rely on getting accurate answers.

Having a go to person that responds quickly when health issues arise.

Helping students and staff.

Students are able to see a nurse who can identify illness, rashes and other health related symptoms and forward concerns to parents.

Having the nurse coming to the building.

Having the nurse call to parents so they take health concerns seriously! Experts seeing health issues with student as teacher are not health professionals and cannot make health decision about students at school.

Screenings done in house for students

Students/staff have somewhere to go for advice on illnesses.

Consultation regarding meds

## What improvements or changes would you suggest?

A nurses section for our newsletter.

More time, I know this is contracted but there is always a need.

Increased involvement with IEPs and 504s when health problems are present

Consistent schedule, or more availability

Reminders of hours every week.

Hours have been inconsistent and unpredictable.

## What other services would you like us to consider adding?

Mental health services

504 case management for health-related 504s

Parenting classes/groups

Visits to classrooms for hygiene talks, sexual health talks, etc

## For more information contact:



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