

Family Health is central to our society's well-being. The health of the family plays an important role in both the health and disease of its members, in the prevention and treatment of individual illnesses, in the care of its children and dependent adults, and in the assurance of their emotional well-being.



Lincoln County's 2022 Family Health Services Annual Report



In this Annual Report:

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





Family Health Data Dashboard 2022



Oral Health

Early Dental Care

31 % caries (15) experienced among Early Childhood and Head Start
Lincoln County Average: N/A

25 % early dental needs (36) among Seal-A-Smile participants
Lincoln County Average: N/A

Dental Sealants

130 # of students that participated in Seal-A-Smile program that received dental sealants
Lincoln County average: N/A

Untreated Decay

29 % untreated decay (14) experienced among Early Childhood and Head Start
Lincoln County Average: N/A

29.9 % untreated decay (43) experienced among Seal-A-Smile participants
Lincoln County Average: N/A

Urgent Decay

4.9 % students (7) that participated in Seal-A-Smile program that experienced urgent dental needs.
Lincoln County average: N/A



Maternal Child Health

Smoking During Pregnancy

13.2 % of infants (33) born to mothers who smoked during their entire pregnancy
Lincoln County average: 12.7%
Wisconsin average: 6.9%

Birthweight

8 % of infants (20) born less than 2,500 grams (5# 5oz.)
Lincoln County average: 7.6%
Wisconsin average: 7.7%

Maternal Obesity (BMI \geq 30)

34.8 % of infants (85) born to women with a BMI of \geq 30
Lincoln County average: 33.9%
Wisconsin average: 31.8%

Preterm Births

10.4 % of infants (29) born at a gestational age of less than 37 weeks
Lincoln County average: 11.1%
Wisconsin average: 10%

NICU Utilization

14 % of infants (35) who utilized the NICU
Lincoln County average: 12.3%
Wisconsin average: 9.5%

Breastfeeding

81.2 % of infants (203) ever breastfed
Lincoln County average: 81.4%
Wisconsin average: 78.3%



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.



Oral Health

Caries Experienced: Percent of caries experienced among Early Childhood and Head Start.

Source: LCHD Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

Early Dental Needs: **Source:** Seal A Smile Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

Untreated Decay: Percent of untreated decay among Early Childhood and Head Start

Source: LCHD Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

Percent of untreated decay among Seal-A-Smile participants. **Source:** Seal-A-Smile Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

Dental Sealants: Number of students that participated in Seal-A-Smile program that received dental sealants. **Source:** Seal-A-Smile Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

Urgent Decay: Percent of students that participated in Seal-A-Smile program that experienced urgent dental needs. **Source:** Seal-A-Smile Database **Year of Data:** 2021-2022 **Lincoln County Average:** N/A

****N/A data for Oral Health is due to the COVID-19 pandemic and not being able to be in the schools.**



Maternal Child Health

Smoking During Entire Pregnancy: Percent of infants born to mothers who smoked during their entire pregnancy **Source:** Wisconsin Interactive Statistics on Health (WISH) Query System **Year of Data:** 2020

Lincoln County Average: 2018-2020 **Wisconsin Average:** 2018-2020

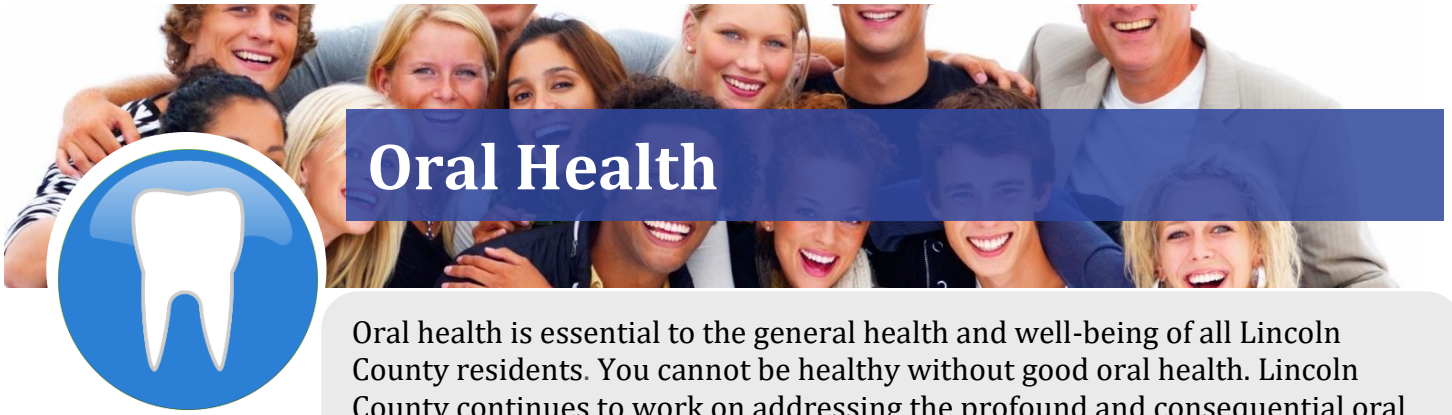
Preterm: Percent of infants born at a gestational age of less than 37 weeks. **Source:** WISH Query System **Year of Data:** 2020 **Lincoln County Average:** 2018-2020 **Wisconsin Average:** 2018-2020

Birthweight: Percent of infants born less than 2,500 grams (5#5oz). **Source:** WISH Query System **Year of Data:** 2020 **Lincoln County Average:** 2018-2020 **Wisconsin Average:** 2018-2020

NICU Utilization: Percent of Lincoln County infants born who utilized the NICU **Source:** Wisconsin Interactive Statistics on Health (WISH) Query System **Year of Data:** 2020 **Lincoln County Average:** 2018-2020 **Wisconsin Average:** 2018-2020

Maternal Obesity: Percent of infants born to women with a BMI of ≥ 30 . **Source:** Wisconsin Interactive Statistics on Health (WISH) Query System **Year of Data:** 2020 **Lincoln County Average:** 2018-2020 **Wisconsin Average:** 2018-2020

Breastfeeding: % of infants ever breastfed **Source:** WISH Query System **Year of Data:** 2020 **Lincoln County Average:** 2018-2020 **Wisconsin Average:** 2018-2020



Oral Health

Oral health is essential to the general health and well-being of all Lincoln County residents. You cannot be healthy without good oral health. Lincoln County continues to work on addressing the profound and consequential oral health disparities within our population primarily related to income and age, so all can obtain good oral health.

Program Performance Objectives

Increase Youth that Receive Care for Urgent Oral Health Issues

Urgency of Need for Dental Care is defined as a child with untreated decay and accompanying signs or symptoms of pain, infection or swelling and needs to be addressed in a timely manner. These dental conditions, if left untreated, can result in life-threatening complications.

Goal: By June 30, 2022, 100% of Lincoln County 3rd-8th grade students participating in the Seal-A-Smile Program who have an urgent dental issue will be contacted about follow up dental care.

Results: The data is from the 2021-2022 school year, and includes grades 3rd-8th participating in the Seal-A-Smile program. Parents/guardians are notified of the urgent dental needs in the student involved, educated on the importance of receiving care and answering questions, if any. Program coordinator and staff can encourage the follow up care, but ultimately it is the choice and the responsibility of the parent/guardian for follow up care to be conducted. 100% (7 out of 7) parents/guardians were contacted about their child's urgent decay.



Program Updates

Fluoride Varnish Program

During the 2021-2022 school year, there was no fluoride varnishing completed in the fall due to restrictions and COVID. During the spring of 2022, 94 fluoride varnishes were completed at Pine River School for Young Learners. This included children aged 3-5 that were either low income or had additional learning needs. At the first varnish in February, 9 cavities were noted; at the May varnish, 14 cavities were noted. Parents were informed of dental care needed for all children with cavities detected during varnishing. Approximately 30% of children that attended the clinic were found to have previous treatment for cavities. Data from this current school year will be in next year's Family Health Annual Report.

Seal-A-Smile Program

The program performance objective from the school year 2021-2022 is incomplete, due to COVID restrictions and staffing, we were only able to see 3rd-8th graders. The Seal-A-Smile Program did not occur at all in the 2020-2021 school year, due to COVID-19. In the current school year 2022-2023, we were able to add 2nd grade back into the program. Data from this current school year will be in next year's Family Health Annual Report.

Another change that has been made to this program is that we added an online consent form for parents/guardians to fill out, in addition to our traditional hard copy consent form. The goal of the online consent form is to allow for ease of registration for parents/guardians and minimize work for school staff to collect and submit the consent forms to us. We still offer the hard copy for those who prefer this method or do not have access to the internet.



Healthy Children, Healthy Futures

Envision a nation where all mothers, children and youth and their families are healthy and thriving. The mission of Family Health Services is to improve the health and well-being of mothers, infants, children, and youth and their families by ensuring access to health and safety.

Program Performance Objectives

Advancing Health Equity for the Maternal Child Health (MCH) Population and Overall Community

Goal: By December 31, 2022, a LCHD Health Equity Plan will be approved by the Board of Health.

Results:

1. **Approval of LCHD Health Equity Plan:** The Board of Health was introduced to the concept of Health Equity and approved the LCHD Healthy Equity Plan.

Goal: By December 31, 2022, LCHD will implement 1 internal practice change to enhance family, youth and community engagement.

Results:

1. **Staff Health Equity Training:**

Lead Maternal Childhood staff led a Health Equity training for the LCHD staff. A Health Equity Checklist was created for new onboarding staff, to educate them on Health Equity. LCHD staff also completed the Core Competency survey, which includes a section on health equity. Those results will be used for guidance on what type of training our staff needs for 2023.

2. **Health Equity Assessment:** Through the MCH grant, there is a health equity community engagement survey. This survey was completed by LCHD and some of our Live Well Lincoln partners (Aspirus, UW Extension – Lincoln County and ADRC). These agencies had also completed this survey in 2020. LCHD compiled these surveys and then provided individualized feedback to each agency on areas they can



improve health equity in their agency, both internally with staff and externally with community engagement.

COVID-19 Response for the MCH Population

Goal: By December 31, 2022, LCHD will assess COVID-19 needs with families of young children and the agencies that serve them and implement 1 agency level strategy and 1 community level strategy.

Results:

1. **COVID-19 Support:** Provided support around COVID-19 case investigation, contact tracing, outbreaks and advising childcare centers and school districts on disease prevention and control.
2. **COVID-19 Parent Survey:** A survey was sent out to families at Pine River School for Young Learners (PRSYL), Tomahawk Library and Parkside Preschool. 38 surveys were returned. 13.2% (n=5) of parents did not know where to find resources for free COVID-19 testing and vaccination. 18.4% (n=7) did not know where to find resources for basic needs, those basic needs being: Housing, Transportation, and Utilities. 5.3% (n=2) did not know where to find mental health resources. Overall, the COVID-19 pandemic resulted in challenges for families, specifically in terms of finding childcare or having to miss work due to quarantines often occurring in the childcare setting.
3. **Parent Packet:** As a result of the survey, a Parent Packet was created and given out to 233 families at local licensed childcare settings in Lincoln County. The packet included resources on:
 - Isolation/Quarantine Calendars for 2022
 - Case Isolation/Contact Quarantine Instructions
 - Lincoln County Free COVID-19 Testing Flyer
 - Childhood Immunization Schedule
 - 2022 Family Resource Guides
 - Resources Page on substance abuse, mental health, and violence based resources



Program Updates

Lead Testing Head Start Health Fair

In fall of 2022, LCHD was able to again partner with Pine River School for Young Learners, WIC, and the Merrill Lion's Club to offer the Head Start Health Fair. At the health fair, eligible students were offered vision, hearing, and dental screenings, fluoride varnishing, WIC consultations and appointments, hemoglobin and lead testing, child health checks, and school immunizations. Recent legal changes no longer require that every Head Start student have a recent lead or hemoglobin test; but are instead able to be screened with only high risk students require these tests to be completed. Due to this change, significantly less students were tested for lead and hemoglobin at this year's health fair. 17 students were tested for lead with 1 student returning with an elevated lead level. 33 students were given vision screenings, 34 were given hearing screenings, 4 students were given immunizations, 17 completed a health check exam with a registered nurse, and 33 completed dental exams with a dental hygienist.

Community Health Assessment and the MCH Population

While collecting data for the Community Health Assessment, we made certain data was collected to include the MCH Population. Data collected to highlight includes:

- **69.2%** of women in 2020, living in the Northern Region, were overweight or obese (BMI 25+) prior to pregnancy, compared to 58% in Wisconsin. In 2016, the Northern Region was at 45.6%. (PRAMS 2016-2020).
- **19.7%** of women in 2020, living in the Northern Region, used cigarettes during the last 3 months of pregnancy, compared to 8.2% in Wisconsin (PRAMS 2016-2020).
- There are **6** child care centers per 1,000 children under age 5, in both Lincoln County and Wisconsin as a whole (Homeland Infrastructure Foundation-Level Data 2021).

- In Lincoln County, the average household spent **25%** of its income on child care for two children (The Living Wage Calculator, Small Area Income and Poverty Estimates 2020-2021).

The high percentage of women who were overweight or obese prior to pregnancy was one of the factors that lead us to choosing Poor Well-being due to Obesity as one of our health issues to focus on as a community.

Integrating Health Equity into Public Health Programming

For 2022, health equity was chosen again as part of our MCH grant objective. As mentioned above, LCHD staff received training in the basics of health equity and a Health Equity Checklist was created for new staff. The Board of Health was also introduced to the concept and approved the LCHD Health Equity Plan. Health equity is part of Lincoln County Health Department's Strategic Plan for 2020-2025. Strategies include building health equity capacities of staff, increasing the Board of Health and our partners' understanding of health equity and integrating concepts of health equity into our programs and initiatives.

Program Staff:



Lexi Buntrock
Public Health Educator
715-539-1374
lexi.buntrock@co.lincoln.wi.us



Kristi Krombholz
Public Health Nurse
715-539-1368
kristi.krombholz@co.lincoln.wi.us