



Health Department
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ANNUAL REPORT 2018

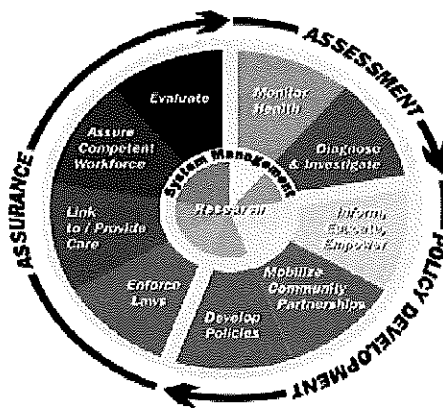
Message from the Staff

The 2018 Annual Report of Lafayette County Health Department provides an overview of the many ways in which our organization provides public health services to Lafayette County residents each and every day throughout the year.

The Health Department has a multitude of programs and services that are based on our mission to promote, protect, preserve health and provide care to our population. Our Health Department is also required to design and implement seven main programs around five required public health services including:

- **Public Health Nursing - general prevention programming**
- **Communicable Disease Prevention & Control**
- **Health Promotion and Injury Prevention**
- **Chronic Disease Prevention**
- **Environmental Human Health Hazard Control & Prevention**

Additionally, our department provides the *10 Essential Services of Public Health*.



In summary, we deliver important services to the community at large as well as to individuals and their families. Our daily activities require collaborative efforts throughout the local communities in our County and also with other Counties that surround Lafayette County. Thank you to all who have shared in our Mission and Vision in 2018 including our dedicated health department staff and our Board of Health.



Our Mission

**“Promoting, Protecting & Preserving
Health while Providing Care with
Partnerships throughout our
Communities”**

Our Vision

*“Live Well Lafayette” – People of all ages, abilities & cultures
living, playing and working together*

Our Values

- ◆ Prevention & promotion
- ◆ Quality care to those we serve
 - ◆ Collaboration
- ◆ Data-driven, science-based services
 - ◆ Social justice & diversity
- ◆ Skilled, appreciated and innovative employees



2018 Health Department Staff

Elizabeth Townsend

Public Health Director/Officer (started 11/2018)

Jeff Kindrai

Interim Public Health Director/Health Officer (through 11/2018)

Lee Gill RN, PHN

Danielle Steger RN, BSN

Cara Biddick RN, BSN (through 6/2018)

Leah Walrack, RN, BSN (started 7/2018)

Troy Moris

Registered Sanitarian/Environmental Health Consultant

Erin Hastert

Public Health Technician

Jackie Ragotzkie

Administrative Deputy

Board of Health

Robert Boyle, Chair

Carol Korn

Tony Ruesga

Lois Finnigan

Chris Fortin

Kristie Lueck

Rita R. Buchholz

Medical Advisor

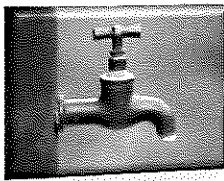
Dr. Lori Neumann, M.D.



What does Lafayette County Health Department do for you and your community?

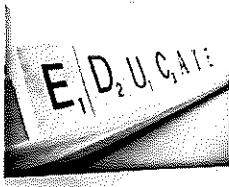
Protect, Educate and Provide

Public Health is the science of protecting and improving the health of communities through education, promotion of healthy lifestyles, and research for disease and injury prevention. Public Health focuses on improving the health of the general population through broad-based interventions, as opposed to the health care system, which primarily focuses on the treatment of individuals. The population-based services provided by public health departments are a major contributor to the overall improving of a community's health status.



PROTECTS the community from health threats, the everyday, and the exceptional

The Lafayette County Health Department guards multiple fronts to defend you and your community from any health threat, regardless of the source, and works to prevent disease outbreaks. The Health Department's Environmental Health Program ensures the tap water that everyone drinks and the air everyone breathes is safe. Public Health Staff are ready to respond to any health emergency—be it bioterrorism, SARS, West Nile Virus, H1N1 or an environmental hazard.



EDUCATES you and your neighbors about health issues

The Lafayette County Health Department provides information that allows people to make healthy decisions every day, such as: exercising more, eating right, quitting smoking or simply washing their hands to keep from spreading illness. The nurses provide information through public forums in our community, public service announcements in the media, programs in schools, health education in homes and clinics, and detailed websites. During a public health emergency, the Health Department provides important alerts and warnings to protect you and your community's health.



PROVIDES healthy solutions for everyone

The Lafayette County Health Department offers the preventive care needed to avoid chronic disease and to help maintain health. Public Health Nursing provides flu shots for the elderly and target groups, and helps mothers obtain prenatal care that gives their babies a healthy start. The Health Department also helps provide children with immunizations, prevention education and good nutrition to help them grow and learn. Health Promotion is also our mission when we coordinate and participate in community health fairs and health screening.

Advances community health

The Lafayette County Health Department and its governing board, the Board of Health, play a vital role in addressing challenges to your community's health. They do this by developing new policies and implementing evidence-based practices to control the challenges while enforcing a range of laws intended to keep everyone safe. The Health Department is constantly working through research and rigorous staff training - to maintain its unique expertise and deliver up-to-date, cutting-edge health programs while evaluating program effectiveness.



Lafayette County Health Department Programs

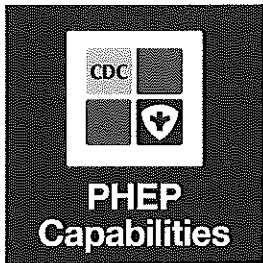
Prevention Programming



Public Health
Prevent. Promote. Protect.

Lafayette County Health Department implements programs and coalition work with preventive strategies based upon the “Let’s Get Healthy, Lafayette County” Community Health Needs Assessment and community health improvement plan. We deliver public health services to citizens by qualified health professionals in a manner that is family centered, culturally competent and consistent with best practices. Examples of prevention programming and coalition work include: *Highway Safety Committee, Lafayette County Emergency Preparedness Task Force, Child Death Review, Live Well Lafayette, Sharps Container Program, Rural Safety Coalition and Quarterly Newsletter*. The Health Department is also involved in many health fairs and community education events such as: *Lafayette County Dairy Breakfast, Lafayette County Fair and Senior Affair*.

Public Health Preparedness & Response



These federal grants allow local health departments to train staff in many activities such as: Incident Command Roles, Epidemiology for disease follow up, mass clinic operation and communication skills during a crisis. The Health Department must also plan and participate in exercises throughout the year to evaluate our level of preparedness. The grant objectives, as defined by the Federal government, have been satisfied for the 2017-2018 Grant. Preparedness allows the Public Health staff to be equipped to handle crisis and/or epidemics whenever they may present.

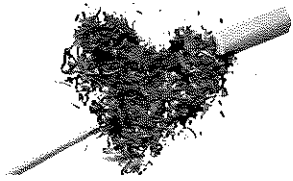
Lafayette County Human Services Nursing Service



Lafayette County Health Department (LCHD) nurses provide residents of Lafayette County, who suffer from chronic mental illness, medication and disease management services in attempt to reduce the impact of suffering and health disparity of mental illness. Public Health Nurses (PHN), provide medication management, and skilled nursing services through Lafayette County Human Services in an ongoing effort to serve the needs of mentally ill residents within Lafayette County. During 2018, PHN's assisted 21 unduplicated county residents in the Community Support Program (CSP) and 10 unduplicated county residents in the Comprehensive Community Service (CCS) Program in proper medication and health management enabling these residents to live more full and independent lives. PHN's also meet with case managers and psychiatric providers on a weekly basis, as well as perform individual client education and skilled nursing assessments in the mental health clinic, while acting as a clinical liaison between the client, their mental, and medical health care providers, pharmacies, and medical facilities. They also provide support and psychoeducation to case managers and clinicians within LCHS.



Tobacco Control & Prevention



In 2018, LCHD was active in taking action to provide education regarding tobacco, e-cigarettes, juuling & other nicotine devices. Lee Gill, public health nurse, works with area schools in programs such as FACT (Fight Against Corporate Tobacco). Middle & high School students are educated on the evidence based scientific facts of all nicotine devices. In turn, these students provide peer education & legislator education on the facts of these products. The ultimate goal is reduction of youth experimentation & initiating use of these products. In the most recent community needs assessment, of the 72 counties in WI, Lafayette County was found to have the lowest number of youth using tobacco products. Monthly meetings are held to keep youth engaged & aware of current product & marketing trends in the tobacco industry. Two legislative meetings were conducted in 2018, giving FACT youth the opportunity to interact with our representatives in SW WI. They were able to discuss facts & express their concerns regarding cigarette & all nicotine device laws & pending legislation.

Oral Health



Oral health is essential to the general health and well-being of all Wisconsin residents. In order to establish a sound foundation for dental health for area youth, we conduct fluoride programs that are safe and effective in preventing and controlling dental caries. The Fluoride Varnish program partners with Southwestern Community Action Program (SWCAP) targeting four year old students enrolled in Head Start. Twice each academic year, we visit with participating students to check their teeth and gums, then apply the fluoride varnish. The Fluoride Rinse program in association with local school districts focuses on first through fifth or sixth grade students. During the school year, participating students are provided with a weekly fluoride mouth rinse that is conducted while they are in school.

In addition, our Department worked with the Fowler Memorial Dental Clinic in Monroe, Wisconsin in providing referrals to their dental program for Lafayette County children ages 1 through 15 years of age who were in need of dental care.

Communicable Disease Program



Lafayette County Health Department is required under Wisconsin State Statute to track communicable diseases through a channel of communications at the local, state, and regional levels. We communicate between public health, private physicians, hospitals, schools, and labs which allows for prompt investigation of possible outbreaks. Our communication regarding communicable diseases allows us to implement control measures to minimize further transmission of disease. In 2018, Lafayette County staff received approximately 200 reports of communicable diseases.



Cases of Reportable Disease for 2018

<u>Disease Name</u>	<u>Number of Incidents</u>
ARBOVIRAL ILLNESS, ZIKA VIRUS	1
BRUCELLOSIS	2
CAMPYLOBACTERIOSIS	14
CHLAMYDIA TRACHOMATIS INFECTION	44
CRYPTOSPORIDIOSIS	21
E-COLI, SHIGA TOXIN-PRODUCING (STEC)	10
GIARDIASIS	1
GONORRHEA	12
HAEMOPHILUS INFLUENZAE, INVASIVE DISEASE	1
HEPATITIS B, CHRONIC	4
HEPATITIS C, CHRONIC	14
LEGIONELLOSIS	1
LYME DISEASE (B.BURGDORFERI)	14
LYME LABORATORY REPORT	4
METAL POISONING (NON-LEAD)	1
MUMPS	4
MYCOBACTERIAL DISEASE (NON-TUBERCULOUS)	1
NOT REPORTABLE	1
PARAPERTUSSIS	2
PERTUSSIS (WHOOPING COUGH)	9
Q FEVER, ACUTE	2
Q FEVER, unspecified	2
ROCKY MOUNTAIN SPOTTED FEVER	1
RUBELLA	1
SALMONELLOSIS	2
SHIGELLOSIS	1



<u>Disease Name</u>	<u>Number of Incidents</u>
STREPTOCOCCAL DISEASE, INVASIVE, GROUP B	9
STREPTOCOCCAL INFECTION, OTHER INVASIVE	2
SYPHILIS REACTOR	3
TUBERCULOSIS, CLASS A OR B	1
VARICELLA (CHICKENPOX)	5

<u>Outbreak / Investigations</u>	
<u>Outbreak / Investigation Type</u>	<u>Number of Outbreak / Investigations</u>
Foodborne Disease	2
Other	6
Waterborne Disease	2

Immunization for Children & Adults



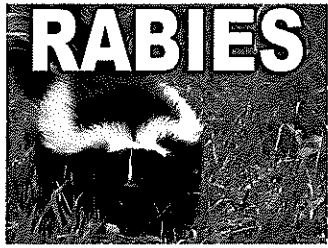
Immunizations are one of the most important public health victories of the 20th century - defeating or sharply reducing diseases such as smallpox, polio, measles, diphtheria, rubella, and pertussis (whooping cough). In 2018, the Lafayette County Health department gave a total of 2116 immunizations to 1765 clients. The Health Department gave 1477 immunizations to 1164 clients in the 0-18 age group, and 639 immunizations to 601 clients in the 19 and up age group.

In 2018 Lafayette County Health Department received grant money to work on the *Every Child by 2 Program*. Our 2018 objective was to have 61% of all children turning 2 up to date on immunizations.

- Total Clients born in 2016: 207
- Clients that met all by age 2: 109 (53%)
- Late up-to-date (clients that met criteria by 2/15/19): 125 (60%)
- Amish Clients: 35 (17%)
- Hispanic Clients not meeting criteria: 10 (5%)



Rabies Prevention Program



Rabies is a viral disease affecting the central nervous system. The rabies virus is transmitted from infected mammals to humans (typically via a bite) and is invariably fatal once symptoms appear. It is important for bite victims to notify their local health department (or local law enforcement when public health staff are unavailable) whenever a bite occurs to ensure that the biting animal is appropriately and legally observed or tested for rabies. It is also vital not to release or destroy a biting animal until a public health official or an animal control officer is consulted. The victim's physician should also be notified promptly. In 2018, our staff worked closely with local law enforcement agencies, veterinarians, bite victims, animal owners and health care providers to successfully complete 46 reported animal bites and possible rabies exposures.

MCH Grant (Maternal Child Health)



Adolescent suicide is a significant public health concern throughout the nation including rural areas such as Lafayette County. Lafayette County had 21 suicides from 2004-2013, with a death rate from 11 per 100,000 in 2004-2009 to 14.3 per 100,000 in 2009-2013. Suicide was also the second leading cause of death nationwide for individuals aged 10-34 in the year of 2016. The data continues to show the rise of adolescent suicide which has been alarming for the Lafayette County Health Department. Health Department staff attended the 2018 Maternal Child Health Summit and all Learning Community Meetings to help educate ourselves and others regarding adolescent suicide. Staff also attended Mental Health First Aid Training and Mental Health Matters meetings to support enhanced education and reduction of the stigma of mental health. The Health Department nurses have promoted mental health awareness in Lafayette County Schools. Mental health and adolescent suicide continues to be an ongoing concern for the county and the Lafayette County Health Department will continue to promote the importance of reducing mental health stigma.

Childhood Lead Testing



There is no safe level of lead in the human body; even very low levels of lead exposure can cause permanent brain damage and negatively affect health throughout the child's life, especially those between 6 months and 6 years of age. Many lead hazards still exist in homes and the environment, including paint, vinyl mini-blinds, chalk, candlewicks and others. These hazards are commonly present during painting and remodeling of pre-1978 housing. The Centers for Disease Control and Prevention defines lead poisoning as a blood level of 5 or greater. In Lafayette County, children with a lead level of 5 or greater are provided with follow-up and consultation by a Public Health Nurse. Follow-up may include phone calls, home visits, consultation with the primary health care provider and a home lead risk assessment. The ultimate goal is to reduce environmental lead exposure and lead poisoning.

Lafayette County Children Tested in 2018:

Total Number of Blood Tests: 169
Home Investigation Inspections: 4



School Health



The health, well-being and safety of children in school districts are a top priority for the Health Department. Nurses from the Lafayette County Health Department provide school nursing services for students in 6 of the 7 school districts in Lafayette County. Our Public Health Nurses (PHN's) play a crucial role in a child's health care needs at school, home and in the community. School nurses facilitate positive student responses to normal development; promote health and safety; intervene with actual and potential health problems; provide case management services; and actively collaborate with others to build student and family capacity for adaptation, self-management, self-advocacy and learning. Healthy children are successful learners. School Nursing Services provided include: Immunizations, hearing & vision education, fluoride mouth rinse, employee health, lice screening and follow up, communicable disease follow up, emergency nursing, human growth & development education, blood borne pathogen prevention education, and much more.

Community Human Health Hazards

To protect the health of the citizens of Lafayette County, we investigate situations with the potential of a human health hazard and bring them to resolution. Enforcement of the State of WI Human Health statutes is the role of Lafayette County Board of Health, County Health Officer and Environmental Sanitarian. In 2018, 38 home visits were conducted to investigate complaints of human health hazards. Additionally, 327 other contacts were made.

Breakdown of Environmental Health Contacts & Home Visits

	Food	Hazard	Air Quality	Animal	Solid Waste	Housing	Water	Radon	Asbestos	Lead	Sewage	Totals
Home Visits:	1	0	6	1	10	12	0	2	2	4	0	38
Contacts:	0	0	40	20	33	46	21	42	29	37	21	289
												Total: 327

To help avoid future Human Health Hazards, the Lafayette County Health Department participates in the following programs:

- Sharps container program – Partnering with the ADRC, the Lafayette County Health Department offers a **FREE** program to provide *and* safely dispose Sharps Containers to Lafayette County residents.
- Arboviral prevention
- Radon – **FREE** Radon Test kits are provided to Lafayette County residents. **50 Free Radon Kits were given to County residents in 2018 with a total of 33 results.**
- Water – **FREE** Water Test kits are provided to Lafayette County residents. If there is a pregnant woman or a child UNDER one year of age in the household, testing is FREE. All other tests are billed through the WI State Lab of Hygiene.

Transient Non-Community Water Systems (TNC Program)

Lafayette County Health Department is contracted by the Wisconsin Department of Natural Resources (DNR) to ensuring that county establishments who provide their own private well water to the public be safe for human consumption and use. By definition, *Transient Non-Community Water Systems* serve at least 25 people for at least 60 days/year, but not the same 25 people over a 6 month period. These establishments are better known as: campgrounds, restaurants, taverns, churches, parks, golf courses, etc.... We worked with 27 facilities to ensure the well water served or available to the public met the acceptable standards set forth in the Federal Safe Drinking



Water ACT (SDWA). Specifically, two water samples were collected at each facility: 1) to test for the presence of total coliform bacteria; and 2) to measure Nitrate levels. A positive presence of coliform bacteria would indicate that the well structure is compromised and the potential for contaminants to enter the water column exists. One particular coliform: Escherichia coli, better known as E. coli, indicates fecal contamination from a warm blooded source: either animal or human; possibly an unlined manure pit or a poorly functioning septic tank. In humans, E. coli can lead to abdominal cramps along with severe diarrhea. Elevated Nitrate levels in well water samples are an indication of excessive nitrogen from fertilizers or animal wastes combining with oxygenated water. Nitrate levels above the Maximum Concentration Level (MCL) of 10mg/L are considered to be unsafe for infants less than 6 months of age and pregnant women or women who may become pregnant.

2018 TNC Report

23	Annual Site Visits
3	Sanitary Survey
5	Seasonal Sites
5	Additional Nitrate Monitoring
13	Additional Coliform Monitoring
3	Level II Assessments
13	Follow-up / Resamples
1	Training

Water Quality Program

In 2018, Lafayette County Health Department continued to offer the Drinking Water Testing & Education Program that had previously been offered in 2017. This program offered a convenient opportunity to test county resident's private well water and learn about potential threats and proper techniques to keep drinking water safe. Lafayette County paid 25% of the testing costs for both 2017 and 2018. Residents could choose the Homeowner Package which tested for Bacteria and Nitrates; the Metals Package which tested for Arsenic, Lead & Copper, Iron and Zinc; the Triazine-Type Pesticide Screen or they could do all three packages.

The focus for 2018 Water Quality Program is on the Shullsburg, South Wayne, Monticello and Gratiot Townships. Other areas were welcome as well, with a limit of 150 kits for 2018.

Nitrate

None Detected	5	26 %
... 2.0	0	0 %
2.1 - 5.0	1	5 %
5.1 - 10.0	4	21 %
10.1 - 20.0	7	37 %
20.1 ...	2	11 %

Avg: 9.6 for 19 Samples

E. coli Bacteria

E. coli Samples	8
Pos E. coli	3 38 %

Coliform Bacteria

Bact Samples	19
Pos Bacteria	8 42 %

Atrazine Screen* (ppb)

None Detected	10	53 %
... 0.3	7	37 %
0.4 - 1.0	2	11 %
1.1 - 2.0	0	0 %
2.1 - 3.0	0	0 %
3.1 ...	0	0 %

Avg: 0.1 for 19 Samples

Loan Closet

The Lafayette County Health Department houses a Medical Equipment Loan Closet. Through the loan closet, people are able to borrow various pieces of medical equipment to use in their homes. The service offers a nice



alternative to people within the county who do not have the money to pay for expensive equipment, or for people who need equipment on a very short-term basis.

The following equipment is available through the LOAN CLOSET:

- Wheelchair
- Toilet Elevation
- Commode
- Walker
- Wheeled walker
- Walking canes
- Crutches
- Bath Bench

The loan closet is funded by donations from residents in the county. We ask for a small donation when an individual borrows a piece of equipment, and are always accepting donations for used equipment that is in good shape to use in the loan closet.

2018 Financial Summary

Revenues	\$217,583.11
Expenses	\$469,076.05
Levy	<u>\$311,784.00</u>
Year End Balance	\$74,767.99

