

# JACKSON COUNTY PUBLIC HEALTH



## 2018 ANNUAL REPORT

# THE TEAM...

**Ellen Moldenhauer, RN BSN**  
Health Officer/Public Health Manager



**Kathy Rumsey, RN BSN**  
Public Health Nurse

**Tammy Handly, RN BSN**  
Public Health Nurse

**Kristi Hanson, RN BSN**  
Public Health Nurse

**Anita Leis,**  
**CSW, ECSE, IMH-E® (II)**  
Birth to 3 Teacher & Coordinator

**Amy Gunderson**  
WIC Nutritionist

**Heidi Krenz**  
Program Assistant

**Carrie Macias**  
Program Assistant

**Susie West, RS-January-September**  
**Ben Rodenberg-December**  
Environmental Health Specialist

# A MESSAGE FROM THE HEALTH OFFICER...



**Ellen Moldenhauer,**  
RN, BSN, PHN  
Public Health Manger/Health Officer



Greetings Jackson County!

On behalf of all of the staff here at Jackson County Public Health, I give you this summary report of 2018 programs and services. This past year can be best described as one of reflection and renewal. The year brought with it a change in one-third of the health department's staff as we welcomed two new program assistants and a new environmental health specialist. With new people come new ideas and an opportunity to see things through new eyes... a chance to reflect on current practice and to consider the opportunities for change. Important outcomes of these changes included additional support for our growing environmental health program, an increase in the number of staff trained as child car seat technicians, as well as expertise in laboratory management for our water testing lab. Take a minute to meet Carrie, Heidi and Ben as you read their short autobiographies on the following page.

In keeping with the theme of reflection and renewal, during the fall, the health department undertook a process of self-assessment and the beginning steps of strategic planning. From that effort were born renewed Value Statements and a Vision and Mission which will be used to define and guide our future work.

## **Value Statements**

**Togetherness:** *community partnerships because together we can accomplish more.*

**Empowerment:** *providing tools and resources to empower people to make strong and healthy choices.*

**Acceptance:** *understanding and accepting differences as a strength.*

**Moving Forward:** *strengthening and moving our community forward through future planning and continuous improvement.*

## **Mission**

*To promote a Healthy, Strong community for Jackson County through Prevention, Education, Preparedness and Partnership*

## **Vision**

*Healthy People, Strong Community*

# WELCOME OUR NEW STAFF:



## **Ben Rodenberg-Environmental Health Specialist**

Ben is local to Jackson County and lives near Melrose. He graduated from Northern Michigan University with a BS degree in Environmental Science with a Biological emphasis and has held numerous positions monitoring food safety as a lab tech and lab analyst. Ben lives with his wife Brittany, his son Wyatt (age 5 years) and his daughter Audrey (age 2 years). Prior to joining the health department, Ben was employed with the Institute for Environmental Health (IEH) in Sparta, WI conducting comprehensive microbiological testing and data interpretation utilizing Process Control Testing (PCT) and environmental monitoring programs for clients. Ben is currently in the military and has served nine years between the Army Reserves and the Michigan National Guard as an Engineer Officer. He is a current member of the Melrose Volunteer Fire department.

Ben recently got back from living in Poland for six months where he served as the executive officer for operation Resolute Castle, Task Force North in the Drawsko Pomorskie Training Area. Ben was responsible for the logistical and administrative requirements of the duration staff and developing strong working relationships with NATO allies. Ben worked closely with the Polish 16<sup>th</sup> Garrison Support Unit and 5<sup>th</sup> Combat Regiment. Ben also worked with the 75<sup>th</sup> Engineer Regiment UK Royal Engineers, Navy Seabees, and seven different National Guard units (Michigan, Illinois, West Virginia, Delaware, Tennessee) to accomplish engineer projects for the Polish military base near Konotop. Prior to going to Poland, Ben has been with the 652<sup>nd</sup> Engineer Company MRBC, 1432<sup>nd</sup> Engineer Support Company, 1431<sup>st</sup> Engineer Company (SAPPER), and on staff with the 107<sup>th</sup> Engineer Battalion. Ben is now currently the company commander of the 1437<sup>th</sup> Engineer Company MRBC in Sault Ste. Marie, MI.



Hello, my name is Heidi Krenz. I am one of two new program assistants for the Public Health Department. My husband and I live on a dairy farm outside of Northfield.

I came to Jackson County Public Health from the Osseo-Fairchild School District where I worked as a paraprofessional with special needs students for 19 years. I was also the summer school coordinator and newspaper editor.

Some of my hobbies include competing in pleasure shows in the tri-state area with my horses. I also enjoy sewing and spending time with my four grandchildren.



Hello, my name is Carrie Macias. I currently live in Whitehall with my 2 kids, Arianna 9 and Brennen 5. I graduated from Osseo-Fairchild High School, and then went on to get my CNA license and started working in home health care. I then spent a few years working at the Trempealeau CO. Health Care Center, and finished my CNA experience working in the nursing home at Gundersen Tri-County in Whitehall. After about 10 years doing CNA work I decided I wanted to learn something new, so I changed my path and started working at Ashley Furniture in their customer service call center. I was at Ashley Furniture for 4 ½ years where I took warranty, furniture tech and driver calls. I learned more about the business end of things, but wanted a job with more opportunities which lead me to my current position at Jackson Co. DHHS WIC/Public Health.



# Communicable Disease

## Communicable Disease Case Counts

One of the many roles of public health is to provide surveillance, investigation, prevention and control of communicable disease. This is done through source investigation, notification and treating contacts as needed, and providing individual and public education. There were **386** communicable disease reports for Jackson County processed in 2018 through the WEDSS (Wisconsin Electronic Disease Surveillance System). The number of reports had decreased slightly as there were 452 communicable disease reports received in 2017.



Disease	Confirmed	Probable	Suspect	Not A Case
<b>Enteric/Gastrointestinal Diseases</b>				
<b>Bacterial</b>				
Campylobacteriosis	7	1		
E. coli Enteropathogenic (EPEC)	2		8	
E. coli Enterotoxigenic (ETEC)	1		2	
E. coli Shiga Toxin-Producing (STEC)	2	2	1	
Salmonellosis	1			
Shigellosis		1		
Vibriosis (non-cholera)		1		
Yersiniosis	1			
<b>Parasitic</b>				
Cryptosporidiosis	11			
Cyclosporiasis	4			
Giardiasis	6			
<b>Invasive Bacterial Diseases</b>				
Group A Streptococcal Disease	2			
Group B Streptococcal Disease	2			
<b>Mycotic/Fungal Disease</b>				
Blastomycosis			1	3
Histoplasmosis			1	1
<b>Respiratory Diseases</b>				
Influenza-associated hospitalizations	7	2	29	
Tuberculosis-LTBI	2			1
<b>Sexually Transmitted Diseases</b>				
Chlamydia Trachomatis	42			
Gonorrhea	17			
Syphilis (All Stages)				1
<b>Vaccine Preventable Diseases</b>				
<i>Haemophilus influenzae</i> invasive				1
Mumps				4
Pertussis (Whooping Cough)	1			47
<i>Streptococcus pneumoniae</i> invasive	2			
Varicella (Chicken Pox)		1		1

Vector Borne Diseases				
<b>Mosquito-borne</b>				
Malaria*			1	
West Nile Virus Infection				1
Zika Virus Infection**				1
<b>Disease</b>	<b>Confirmed</b>	<b>Probable</b>	<b>Suspect</b>	<b>Not A Case</b>
<b>Tickborne</b>				
Babesiosis	1			1
Ehrlichiosis/Anaplasmosis	2			1
Lyme Disease	7	8		26
Lyme Laboratory Reports			43	
<b>Viral Hepatitis</b>				
Hepatitis C	2	2	16	7
Hepatitis E				1
<b>Zoonotic</b>				
Q Fever				1
Toxoplasmosis				1
<b>Other</b>				
MRSA/ORSA			1	
Mycobacterial Disease (Non-TB)	6			

\*Denotes diseases where all cases in Wisconsin residents are travel-associated. No local transmission occurs.

\*\*Due to enhanced surveillance, asymptomatic confirmed cases are included.

In 2018, Jackson County (JC) had a small outbreak that included Cyclospora linked to the Kwik Trip Del Monte veggie trays along with continued follow-up with the Toxoplasmosis cases from 2017. The Wisconsin Department of Health Services (DHS) worked closely with JC Public Health in both cases.

## Cyclospora Outbreak 2018....

As of Sept. 5, 2018, CDC was notified of 250 laboratory-confirmed cases of Cyclospora infection in people from 4 states who reported consuming pre-packaged Del Monte Fresh Produce vegetable trays containing broccoli, cauliflower, carrots, and dill dip.



Jackson County had 5 ill, with 4 being tested and diagnosed with Cyclospora. While this was the most publicized recall and outbreak, Wisconsin also had 2 other strains of Cyclospora during this same time.

Cyclospora is a parasite that causes diarrhea and stomach pain. It is spread when people eat or drink something that has been contaminated with feces, especially fresh produce and untreated water. Cyclospora cannot be spread from person-to-person and can be treated with antibiotics.

## What happened to the 2017 Toxoplasmosis cases???



**“Deer Meat Mystery: 10 men ‘violently’ ill after wild venison meal: Jackson County Health Department still doesn’t know what made men sick”**

WISN-TV 12, ABC Milwaukee 10/20/2017

**“Jackson County Deer Travels To Worldwide Laboratories Throughout 2018”**



USDA-Maryland, USA

Palo Alto-California, USA

DNA Sequencing-France

### Conclusion:

- **Game meat should be frozen to -4 degrees for 2 days and cooked to 160 degrees to kill Toxoplasmosis.**

Jackson County Public Health is currently working with the state of Wisconsin and CDC for the case to be published in the New England Journal of Medicine.



Tammy trying to break up the frozen clump of venison to send to the different labs...ended up just pounding it on the cement to break!! Thanks, Anita, for catching the moment 😊



DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hepatitis B, 1 Varicella and 4 Pneumococcal Conjugate (PCV) vaccination by their second birthday. JCPHD ended up with 65% of those children being fully vaccinated. This is a 1% increase from 2017.

The JCPHD also provides immunizations to both adults and children through regularly scheduled immunization clinics and/or by appointment. Vaccines for children are provided by the state Vaccine for Children Program and are made available to children free of charge. This program is a resource for families that are uninsured or whose insurance does not pay for vaccine. Vaccines for adults are provided for a nominal fee. The following are statistics comparing 2018 to 2017:

Immunization Statistics	2017	2018
Childhood Client Visits	441	475
Childhood Immunizations	585	562
Adult Client Visits	357	374
Adult Immunizations	373	381
Adult Flu Shots	404	361

## Birth to Three

*Birth to 3* is Wisconsin’s early intervention program for infants and toddlers with developmental delays and disabilities and their families. The Department of Health Services oversees the Birth to 3 Program in Wisconsin and has rules (HFS 90) that specify the program requirements.

The Birth to 3 Program is for children ages birth to 36 months. Eligibility is based on a diagnosed disability or significant delay in one or more areas of development



Birth to 3 Statistics	2017	2018
Children Referred to the Program	80	109
Children Screened	62	91
Children Evaluated	14	17
Children and Families that received ongoing Birth to 3 Services	18	19
Children & Families referred for Infant Mental Health Services	16	6

## Child Safety Seat Program

In Jackson County, approximately 98% of child safety seats have been installed incorrectly. Generally, children must be properly restrained in a child safety seat until they reach age four and 40 lbs. and in a booster seat until they reach the height of 57 inches.

In 2018 Public Health received a \$2,000.00 grant from Black River Falls Area Foundation to purchase child safety seats for low income families.

This program started at the end of 2006. Since then we have received \$55,000 in grant funds to purchase seats, have checked 792 child safety seats, and given 628 seats to low income families.



In 2018, 34 car seats were checked and of that, 30 seats were given to low income families.

Any family who lives in Jackson County may receive a free child safety seat check by a certified technician by making an appointment with Public Health, the Ho-Chunk Nation, Black River EMS, or Black River Memorial Hospital. For more information on the Child Safety Seat Program, call Anita Leis at 715-284-4301 ext. 301

## Fluoride Mouth Rinse

### Fluoride Mouth Rinse

Cavities are the 2<sup>nd</sup> most common health disorder in the United States according to the National Institute of Health (the first is the common cold). Cavities have been reduced dramatically over the past several decades and the key reason:

#### Fluoride

- ✓ Reduces cavities between 20 –40% in children and 15-35% in adults.
- ✓ Repairs the early stages of tooth decay even before the decay becomes visible.

Jackson County Public Health works with the 5 elementary buildings in the 3 Jackson County school districts to provide a school-based fluoride mouth rinse program to grades 1-3. In 2017-2018 this program supported over 900 Jackson County elementary school children in “swishing” weekly with a 2% sodium fluoride solution. This program addresses a national public health 2020 objective to reduce tooth decay in children less than 9 years of age to 42% or less.



# Child Care Certification

In the State of Wisconsin families have the option to find care for their children

1. with a relative
2. with a friend who legally can care for ONLY 3 children unrelated to them
3. Or in with a Certified or Licensed Childcare provider or center; a.k.a. Regulated Childcare

Jackson County Public Health certifies family childcare providers, ensuring children are provided a safe, clean and nurturing environment.

Families who qualify and/or need childcare subsidy from the State of Wisconsin have to place their child in regulated childcare in order to receive assistance. This lack of regulated childcare affects families that qualify for Wisconsin childcare subsidy. Many families cannot afford childcare without subsidy.

**During 2018, Jackson County maintained their 3 certified childcare providers. There were three people interested in certification. One decided to become licensed but the other two did not follow through. Learn and Play Childcare Center closed its doors in 2018 resulting in a loss of approximately 40 slots (which included care for infants).**

**Childcare deserts are defined by Childcare Aware of America (the Center for American Progress and Census Data) as zip codes with at least 30 children (ages 0 to 5 with working parents) where there are 3 children for every regulated child care slot resulting in limited or no access to regulated child care.**

**Jackson County is a Childcare Desert.**

## **JACKSON COUNTY CHILDCARE TASKFORCE (JCCT) – NEW IN 2019...**

The lack of regulated care is being felt by businesses in Jackson County also. Employees are having difficulty finding childcare resulting in tardiness, poor performance and in some cases, employees needing to leave employment in order to stay home with their children.

The outcome of this issue has been the development of the Jackson County Childcare Taskforce (JCCT). It started with a lobby conversation between two business about the issue and the release of a study around the childcare gap in Jackson, Juneau and Monroe counties in June 2017. The taskforce is made up of employees from Jackson Electric, Black River Falls School District, Millis Transfer, 7 Rivers Alliance, Black River Area Childcare Center, Black River Memorial Hospital, Co-op Credit Union, Regal Beloit Corporation, Children's Learning Village Montessori, Western Dairyland Childcare Partnership and Jackson County Health and Human Services-Public Health.

The JCCT has come together to try to solve the regulated childcare issue. In 2018, the committee looked at what is happening in our county by creating two surveys, one for parents and one for Employers.

## Parent Survey Results Highlights

Top Concerns: Cost, Availability, Quality Care

- In Jackson County, only 43.55% felt that their current childcare arrangement fully met their family's needs
- Several respondents shared concerns about being able to afford care at a child care center they felt would be reliable
- “Some days childcare is not available and we scramble to find a sitter. Both my spouse and I have missed work due to childcare issues.”
- 68.38% of respondents were unable to work overtime due to child care arrangements
- 68.38% of respondents have been absent from work due to childcare issues
- 55.56% of respondents have been late for work due to childcare issues
- 50.43% of respondents were unable to work to their full capacity due to stress and concerns about child care arrangements
- 85% of respondents spend time on the job making alternate childcare arrangements during working hours
  - Of that group, over 50% of the respondents spend more than one hour each month related to childcare issues
- 55% of respondents have to use more than one provider to meet their childcare needs

## Employer Survey Results Highlights-

Top concerns: Availability, Affordability, Quality, Shift coverage

- 75% of employers have experienced employee absence due to childcare issues
- 91.67% have experienced employee tardiness due to childcare issues
- 62.5% have experienced refusal of overtime due to childcare issues
- 66.67% state their employees cannot work to their full potential
- Number of employers without child care impacts- 0
- 95.65% of employers feel there is a critical link between childcare availability and economic development

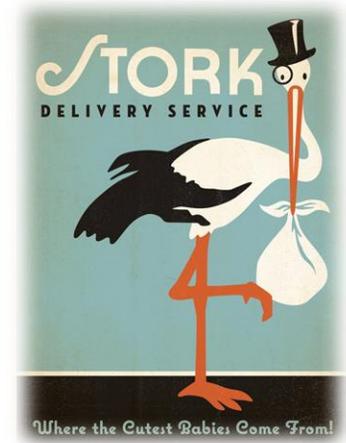
The JCCT has taken these results to the state and will continue to make elected officials aware. We are reaching out to other communities who are working on this same issue for ideas, exploring grant opportunities and learning about cooperative childcare models. The plan is to complete a feasibility study in 2019.



# Maternal Child Health (MCH)

In Wisconsin, the Department of Health’s Maternal Child Health (MCH) Section supports a broad array of programs in order to improve the availability of and access to high quality preventative and primary health care for all children and to reproductive health care for all women and their partners. The Title V Maternal and Child Health Services Block Grant Program is the nation’s oldest federal-state partnership.

In Jackson County the MCH program provides an informal parent and baby home visit from a Public Health Nurse (PHN) to assist families after the birth of their baby. It strives to improve breastfeeding success and ensure infants have the best start possible for them. Referrals are received from clinics, hospitals, WIC, Children & Families Unit, birth record review, and self-referrals. All these services are voluntary.



Birth Records Received in Jackson County	2016	2017	2018
	219	197	196

In 2018, 136 women and their families were assisted through MCH programming.

### Additional 2018 Service Detail:

- \* 27 women were referred prenatally for services by WIC or medical providers.
- \* 81 families were identified postpartum through record reviewed (mother and child.)
- \* 10 families were assisted because their newborn/child had healthcare needs (CSHCN).
- \* 18 women were referred for postpartum follow up.
- \* In response to what the department felt to be overburdensome regulation in the Medicaid Prenatal Care Coordination (PNCC) Program, the decision was made to sunset its participation in that program effective December 31, 2018. Prenatal nursing visits will continue to be conducted based on need; however, the health department will no longer be billing the Medicaid Program for those contacts.
- \* Joined in efforts that resulted in youth suicide prevention education within the local schools. 338 students and 28 adults received QPR (Questions-Persuade- Refer) training.

In 2018, in alignment with the Community Health Improvement Plan (CHIP), MCH grant funds continued to be applied toward youth suicide prevention.

**We will be keeping the focus of Keeping Kids Alive in 2019!**

## Childhood Lead Poisoning Prevention

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 a child's life, especially those between 6 months and 6 years of age.

**There were 3 children with documented lead poisoning in Jackson County in 2018 and 5 children with elevated levels.**

**These children and their families all received follow-up and education from a public health nurse. In the 3 cases of lead poisoning, follow-up, home assessments and mitigation plans were offered to the child's family by an environmental health specialist.**



## Food Safety and Recreational Licensing

The Jackson County environmental health program is beneficial for both the health department and the community in order to more effectively provide public safety services within the health department's jurisdictions. Some of the benefits include a faster a local response and delivery of services, assurance that all facilities are monitored and inspected at least once a year, available consultation with and local environmental health specialist/sanitarian and a greater awareness of what is going on in the regulated community.

The environmental health program is responsible for the licensing and inspection of restaurants, convenience stores, grocery stores, hotels, tourist rooming houses, bed and breakfast establishments, vending machine operations, campgrounds, recreational-educational camps, temporary food establishments, tattoo and body-piercing establishments and public swimming pools within Jackson county. This program helps to protect the public's health through education, enforcement of state statutes and administrative codes, and promoting sanitary practices in public establishments.

The environmental health program issues licenses and inspects all establishments listed above that operate within the County's jurisdiction. Jackson County currently has 224 facilities that are inspected and licensed annually. To fulfill this responsibility, Jackson County recently hired Ben Rodenberg in December 2018 for the position of Environmental Health Sanitarian.

# Food Safety Hot Topics for 2018

## Selling food items from your home:

### Baked Goods:

Home bakers (that only bake from their homebased kitchens) are permitted to sell their baked goods directly to customers and are exempt from acquiring a local retail food license. Only goods that are flour-based are exempt, however there are limitations to the type of sales that home bakers can take part in. Baked good must only be **sold directly to customers**. Wholesale of baked goods and products that are considered potentially hazardous are not permitted and would require a local retail food license. All other process for preparing food items and commercial kitchens must obtain a local license.



### Canned Goods:

Home canned goods no longer require a license. Since 2009, Wisconsin Act 101 (the Pickle Bill), allows you to sell some home-canned foods without a license under certain circumstances. Canned goods that are naturally acidic or acidified by picking or fermenting must achieve a pH of 4.6 or lower to be considered safe. Just like baked goods, canned items must only be **sold directly to customers**. You can find more information about home sales of baked and canned products at [datcp.wi.gov](http://datcp.wi.gov) or contact the Jackson County Health Department.

### Meats:

Jackson County has recently seen a spike in homeowners that want to sell home grown pre-packaged meat products directly to consumers. Selling frozen pre-packaged meat products from home **DOES** require a local retail food license and inspection from the county. This license only allows for private home sales of meat products directly to customers. There are limitations that the homeowner must address before a permit is granted. The freezer must be inspected and must keep product frozen. The freezer is used only for customer product. The freezer is kept clean and placed in a relatively clean area such as the garage, shed, porch, or in the house and not placed on carpet. The freezer must be kept locked or in an area that is secure. Meat products must be obtained from a USDA approved facility and may not be butchered or processed from home. Wild game may not be sold. For more information or to apply for a retail food license, please contact the Jackson County Health Department.

## Starting a New Establishment?

The Jackson County Health Department can assist you in the construction of a new food establishment. The **plan review** and **pre-inspection** process helps ensure that your food establishment meets food safety requirements and will help you create an organized, safe, and more efficient method for preparing food. A plan that is submitted and complete may reduce time and money spent on improper equipment, materials or other items that are costly to correct and delay your opening.



## Plan Review FAQ:

### When should I contact Jackson County for a Plan Review?

You should contact the Jackson County Health Department for any:

- New Construction
- Conversion of an existing building
- Extensive Remodeling
- Change of type of operation
- Requested by Jackson County Public Health Department



### What Do I need to have for a complete Plan Review?

All items listed below are needed in order to fully complete the plan review process:

- Completed Plan Review Application Form and related documents.
- Proposed menu, including expected number of meals served per day and number of deliveries per week.
- Equipment schedules and list of equipment to be installed (make/model).
- Floor plan drawn to scale with locations and labels for all equipment, plumbing, electrical, ventilation, and storage:
- Food preparation sinks and food preparation counters.
- Drains, grease trap, utility/mop sink, backflow prevention devices/methods, and location of all plumbing drains and water lines.
- Handwashing sinks and warewashing equipment, including the hot water heater.
- Equipment for cooking, hot holding, and cold holding of food, beverages and ice.
- Ventilation equipment.
- Label all food and beverage storage areas, including back stock, self-service areas, etc.
- Label all chemical, equipment, garbage, restrooms, employee-use areas, outer openings (windows/doors).
- Site plan showing location of business in building; location of building on site, including street names; and location of any outside food or beverage serving areas or equipment (grill, bar, grease traps, dumpsters, well, septic system, etc.).
- Source of water supply (if private well, must submit most recent water test results).
- Method of sewage and grease disposal.
- Finish materials schedule for all surfaces (floors, walls, ceilings, sinks, counters, shelving, etc.) in the establishment.
- Copies of Conditional Letters of Approval (see application for complete list).
- Application and payment for new food and drink license if new establishment or change of owner. Application and payment for special inspection fee if necessary, for an extensively remodeled plan review and inspection.

### How long does the Plan Review Process take?

The Plan review process can take up to 30 days to complete, so plan ahead if you have a suspense date to be open, however, with a complete packet can be approved in a shorter timeframe.

**Facilities licensed under DATCP Agent Program:**

	2018
Restaurants	101
DATCP (Started July 2014)	38
Hotels/Motels/Tourist Rooming Houses	36
Swimming Pools/Water Attractions	11
Campgrounds	25
Tattoo/Body Piercing Establishments	2
Temporary Food Stands	2
Schools	8
Recreational Camp	1

**Jackson County Laboratory**

**TEST YOUR PRIVATE WELL ANNUALLY**

Make sure you're serving your family safe drinking water. While most private water wells in Wisconsin provide safe drinking water, some may become contaminated with bacteria and other pollutants that are not filtered out when the water soaks into the ground.

	2016	2017	2018
Number of Private Wells Tested in Jackson County	76	92	74



**RECOMMENDED TESTING**

Jackson County recommends you test your private well at least once a year for coliform bacteria contamination and any time you notice a change in how the water looks, tastes or smells. Even if your water looks, tastes and smells good. It can contain harmful bacteria and viruses.

You should have your well tested for nitrates, especially if you have a child under 6 months of age. Nitrate levels in drinking water poses a risk to infants because they may cause methemoglobinemia, a condition known as “blue baby syndrome”.

Private Well Testing Statistics for 2018
74 well samples for Bacteria ~ 22 tested positive for Coliform, 1 positive for E. Coli
46 well samples for Nitrate ~ 5 samples came back greater than 10 ppb
17 well samples for Arsenic ~ None were above the acceptable limit



## Transient Non-Community (TNC) Water Systems

In 2011, Jackson County signed a contract with the DNR to monitor all Transient Non-Community (TNC) water systems. TNC systems are public facilities on well water that serve 25 or more people 60 days of the year. This include churches, taverns, motels, restaurants, convenience stores, parks and campgrounds.

	2016	2017	2018
Number of TNC Wells Sampled in Jackson County	86	85	84
Number of TNC Well Evaluations Completed	17	18	19

### Additional 2018 TNC Water System Monitoring Statistics...

- 18 Seasonal Sites
- 66 Annual Site Visits
- 1 Annual Education
- 2 Unsafe Wells requiring follow-up and 2 Nitrate Monitoring

## Vector Control

For many years the health department has partnered with La Crosse County environmental health staff to coordinate a program of monitoring for mosquito breeding sites around residences and businesses and helping to educate about prevention and control. In 2018, La Crosse County stopped offering the service beyond their county borders and Jackson County established a contract with a company called Driftless Region Vector Control, LLC to continue this service. Though-out the spring and summer, following communities were visited: Alma Center, Black River Falls, Brockway, City Point, Franklin, Hatfield, Hixton, Irving, Levis, Melrose, Merrilan, Millston, North Bend, Northfield, Pray, Price, Sechlerville, Shamrock, Taylor, Vaudreuil, and York. The service included initial canvassing, education to residents and business owners, follow up site checks, and in a few cases site treatment.

### 2018 Canvassing Overview of Jackson County

Total Mosquito Breeding Sites Identified:

Business: 47

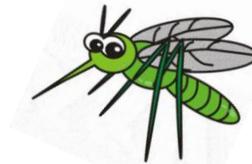
Residential: 106

Of 47 Total Businesses:

31 (65.96%) were automotive shops

11 (23.40%) were city, town, or county owned

5 (10.64%) were other non-residential businesses (construction companies, schools, etc.)



Wisconsin is home to over 50 species of mosquitoes, but only a select few are of significant importance to human health. **La Crosse Encephalitis** and **West Nile Virus** are two diseases carried by mosquitos in Wisconsin. Shifting seasonal temperatures and weather make a huge impact on which mosquito

species can survive in our region and what times of the year they are active. In recent years, mosquito eggs have been captured in traps earlier in the spring and later into the fall. This means a longer mosquito season and a longer period during the year with potential for disease transmission.

Due to the fact that containers play a major role in the transmission of mosquito borne diseases, it should come as no surprise that they are the main target in mosquito abatement. Items such as buckets, kiddie pools, and other containers are perfect habitats for breeding disease-carrying mosquitoes. Unrimmed tires are especially problematic because they are able to retain water and heat particularly well. This allows for many more generations of mosquitoes to be created compared to other container types.

## What You Can Do...

### Habitat Reduction

- Empty, remove, cover, or flip any receptacle that could hold water to reduce mosquito breeding
- Properly discard unwanted tires & keep wanted tires inside or under cover.

Continuing this mosquito abatement program not only protects residents from current health threats, but also provides communities with preventative knowledge for the future.



# HEALTH PROMOTION & INJURY PREVENTION

## Tobacco Prevention



### Tobacco Prevention and Control

Jackson County Public Health, Black River Memorial Hospital, UW Extension, and the Ho-Chunk nation have partnered for the past 18 years forming the Jackson County Tobacco-Free coalition. This coalition continues to be active responding to new and emerging tobacco products. 2018 focus activities included:

#### Preventing Youth Initiation

- TATU (Teens Against Tobacco Use)
  - The 19<sup>th</sup> year of this peer education program that trains 45 local teens that present an anti-tobacco message to 350+ fourth grade students throughout the county.
- OTP/JUUL Presentations for all 350 Jackson County freshman students on the dangers of newer tobacco products including JUUL and smokeless tobacco, cigarettes, and OTP (Other Tobacco Products)

#### Tobacco Cessation

- Tobacco Treatment Specialist (TTS) education and support for individual and group cessation available at both Black River Memorial Hospital and Ho-Chunk Nation
- First Breath programing/training has been provided for staff at BRMH, Ho-Chunk Nation, Krohn Clinic, and Jackson County WIC to assist pregnant mothers to quit smoking.



# Chronic Disease Prevention



## “THE Happy Factor --- from Surviving to Thriving”

This event was held on November 3, 2018. Dr. Christy Secor is an award-winning national speaker who brings humor, story, and science together in an open, honest way that left attendees encouraged and grateful for the incredible gifts surrounding each of us in our day. The event was held at the Comfort Inn and Suites and was well received with over 100 attendees. This event aligns with the Public Health Community Health Improvement Plan working toward improved mental health and resiliency skills for Jackson County residents.

## Public Health Preparedness

Jackson County Public Health (JCPH) continues to work to improve its ability to respond to Public health emergencies and events.

Public Health receives funding from the state to assist with Public Health Emergency Preparedness each year. The following is a list of some of the activities that have occurred to meet the objectives.

- Starting in August 2018, JCPH and Ho-Chunk Nation Community Health Department began a formal process to collaborate and update on the Jackson County Public Health Emergency Preparedness Plan. Ho-Chunk and County public health staff partner to assure adequate coverage in filling crucial public health preparedness roles.
- August 14, 2018: JCPH met with Monroe County to complete a table top exercise with Emergency Management, Sherriff, Hazmat and PH of both counties. The proposed threat was a truck leaking an unknown gaseous chemical traveling the interstate and across county lines.
- November 2018: Four JCPH staff received ICS 300 training for emergency preparedness incident command. 100% of health department staff have successfully completed this level of preparedness training.
- December 11, 2018: JCPH and HHS met with local partners at Black River Memorial Hospital to identify hazards faced by local health care organization and to strengthen our local response.
- March 21, 2018: Jackson County Public Health and all of Health and Human Services participated in an active shooter drill onsite with assistance from Jackson County Emergency Manager and Law Enforcement.
- March 29, 2018: Jackson County Public Health participated in a Regional Hospital Evacuation Exercise.
- Bi-monthly JCPH participate in state-wide Emergency Preparedness update calls
- Quarterly- JCPH participate in Western Region Emergency Preparedness meetings

# IMPACT OF



## Role of the WIC Program

Women, Infants, and Children (WIC) works within each state to improve healthcare access for low- and moderate-income women and children with, or at risk of developing, nutrition-related health problems, including obesity and type 2 diabetes. WIC provides nutrition education and health foods enabling families to make lifelong health eating and lifestyle choices. The foods in the WIC foodpackages are specifically selected for their nutritional value, supplement the dietary needs of participants to ensure good health, growth, and development. See how WIC impacts the people of Jackson County.

---

TOTAL AMOUNT SPENT  
ON HEALTHY FOODS AT  
LOCAL RETAILERS:

**\$290,815**

STATE TOTAL per  
Participant<sup>\*\*</sup>: **\$60.19**

January 2016

---

## Jackson County by the Numbers\*

Pregnant Women: <b>43</b>	Infants: <b>137</b>
Breastfeeding Women: <b>51</b>	Children: <b>421</b>
Non-Breastfeeding Women: <b>93</b>	<b>TOTAL: 745</b>

<sup>\*\*</sup> Obtained from the WIC Friday Morning Report (FMR) April 15, 2016

## WIC Promotes Breastfeeding

Research shows that breastfeeding provides numerous health benefits to both the mother and her baby, helping to reduce healthcare costs. Breastfeeding lowers a child's risk of obesity, type 2 diabetes, and asthma. WIC is the largest public breastfeeding promotion program in the nation, providing mothers with education and support.

**84.4%**

Of 1 month olds  
Are breastfeed

**52%**

Of 3 month olds  
Are breastfeed

**25.0%**

Of 6 month olds  
Are breastfeed

# WIC Promotes Health and Healthcare Savings

## HEALTHY EATING

WIC provides nutrition education and healthy foods to help families make healthy choices. The WIC food package includes fruits, vegetables, low-fat dairy, and whole grains. WIC also issues farmer's market vouchers to increase the consumption of local fruits and vegetables. The food package contributes to healthy diets which aid in reducing obesity and chronic disease. In 2018, 58% of Jackson County WIC clients under the age of 5 were at a healthy weight. Two programs that Jackson County WIC participates in to help promote fresh, local eating and increase activities are: Fit Families and the Farmer's Market Nutrition Program.

### 1.) Fit Families –



- 14 families participating in the program – monthly contacts with Registered Dietitian
- Community Event Sponsor
  - Fit Families was one of the sponsors of the Jackson County 5210 Challenge in June 2018.
  - How tall this fall at the farmers Market – games, apples, and pictures taken with the large pumpkin that was over 1900 lbs.



Jackson County Farmers Market 2018

### Core Messages:

- **Move More...Watch Less**
  - Encourage Fit Families participants to engage in active play or physical activity for at least 60 minutes every day and to reduce screen time to two hours or less each day.
- **Make Every Bite Count...More Fruits and Vegetables**
  - Encourage child and their parents to eat the recommended amount of fruits and vegetables each day.
- **Make Every Sip Count...More Healthy Beverages**
  - Encourage Fit Families to reduce or eliminate use of sugared beverages.



### 2.) Farmer's Market Nutrition Program

- Each WIC family is offered \$30.00 to participate in the FMNP program through the state of Wisconsin. In 2018, \$1,524 Farmers Market Nutrition Program dollars spent by the Jackson County WIC clients. This brings in local revenue through our Jackson County Farmers Market as well as our individual farmers in our community. The Jackson County Farmers Market is located on Diploma Drive on Thursdays, from 2-6 pm and on Saturdays from 9 am – 1pm.

# OTHER FUN ACTIVITIES THROUGHOUT THE YEAR...

## Pace and Pedal 2018...



Pace & Pedal is a family fun fitness event held through collaboration from community agencies of  
**JACKSON IN ACTION COALITION**  
Ho-Chunk Nation, Jackson County Forestry & Parks, Together for Jackson County Kids,  
Jackson County Public Health  
And planning and leadership from Black River Memorial Hospital.



## National Night Out



Public Health Staff Promoting "Fight The Bite".

# Jackson County Fair



# Halloween



Communicable Diseases...“Hantavirus, Plague, Scurvy, African Sleeping Sickness and Chickenpox” take on a new look!