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## Reports of Communicable Disease in Winnebago County – July 2019 Update

Data obtained from the Wisconsin Public Health Information Network – Analysis, Visualization and Reporting Portal. This report is based on episode date and is provided as PROVISIONAL information for health care professionals and may not represent final counts of cases.

This report may also be found on our [website](#).

Disease Group	2018							2019						
	Jul	Aug	Sep	Oct	Nov	Dec	Total	Jan	Feb	Mar	Apr	May	Jun	Total
Acute Flaccid Myelitis	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Arboviral Disease	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Blastomycosis	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Campylobacteriosis	8	12	2	2	6	3	33	2	2	2	2	0	2	10
Chlamydia	63	66	46	66	61	51	353	47	56	51	60	56	41	311
Cryptosporidiosis	4	5	2	1	0	0	12	0	0	0	1	0	2	3
Cyclosporiasis	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Ehrlich/Anaplas	1	2	0	3	0	0	6	0	0	0	0	0	1	1
Giardiasis	1	4	3	1	1	0	10	1	2	1	0	1	0	5
Gonorrhea	7	15	10	14	7	8	61	10	11	6	10	9	7	53
Haemoph Inf Inv	0	0	0	1	1	0	2	0	0	0	0	0	1	1
Hepatitis B	0	2	3	2	1	2	10	0	2	1	0	0	1	4
Hepatitis C	9	6	8	3	6	3	35	5	7	8	4	2	1	27
Hepatitis E	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Influenza	0	0	0	0	1	0	1	10	14	30	12	0	1	67
Strep (A And B)	2	1	3	3	3	3	15	2	2	2	1	5	3	15
Legionellosis	0	0	1	1	1	0	3	0	0	0	0	0	1	1
Leptospirosis	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Lyme Disease	6	3	2	0	2	2	15	0	0	0	2	0	0	2
Bact Meningitis/Other	0	2	1	0	0	0	3	0	0	0	0	0	0	0
Mumps	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Myco (Non-TB)	5	3	7	3	4	5	27	5	4	3	6	3	5	26
Pathogenic E.coli	2	1	1	2	0	1	7	3	4	0	3	0	2	12
Pertussis	0	0	0	1	1	3	5	0	0	0	1	1	1	3
Rocky Mt Spotted Fever	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Salmonellosis	3	4	0	3	2	0	12	1	2	4	1	1	2	11
Shigellosis	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Strep, Other Invasive	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Strep, Pneumo Invasive	1	0	1	0	1	1	4	0	0	3	3	1	1	8
Syphilis	0	3	3	1	1	1	9	0	2	1	1	0	0	4
Tuberculosis	0	0	0	0	1	0	1	0	0	0	0	0	0	0
TB Latent (LTBI)	1	2	4	3	1	0	11	2	0	2	1	3	4	12
Varicella (Chickenpox)	0	0	0	0	1	1	2	0	5	2	1	0	1	9
Yersiniosis	2	0	1	0	1	0	4	0	0	0	0	0	0	0
Totals	117	131	103	113	106	86	656	91	114	118	109	83	77	592

Run Date 7/1/19

This data does not include the City of Menasha.

# July 2019 Communicable Disease Notes and Updates

**Note:** Please bookmark necessary links throughout the Quarterly Report and feel free to share with staff.

**Travel Note:** Please ask about any travel (out of home area, state or country). Many patients who acquire travel-related illnesses develop symptoms soon after returning home.

- This time of year, we see a rise in enteric diseases. When testing for enteric diseases, be sure to ask:
  - Where the patient works?
  - Does the patient work at/attend a daycare?
  - What is the patient's travel history?

## Local/National Update:

### STI Survey

- The health department needs your help. Please consider completing this survey on STI treatment and follow up to help us better coordinate our efforts to decrease infection rates in the County. Thank you for taking the time to take our [survey!](#)
- [Click here to take the survey!](#)

### Tick-borne Diseases

- The Winnebago County Health Department will have tick kits available. Please contact the health department if interested at (920) 232-3000 or [health@co.winnebago.wi.us](mailto:health@co.winnebago.wi.us).
- Important information for Diagnosing Lyme Disease:
  - Recommendation from CDC: use laboratory tests with patients who have [symptoms](#) typical of Lyme disease to avoid misdiagnosis, false-positive, false-negative, and cross-reactivity in commercial tests.
  - [Two-Step Testing for Lyme Disease](#)
- Resources:
  - [Tick-borne disease CDC toolkit](#)
  - [Lyme Disease Prevention: Tools and Tips](#) Webinar from the WI DHS
  - [Recommendations for Patients after a Tick Bite](#)

### Measles: WI Measles Page

- From January 1 to July 11, 2019, 1,123 individual cases of measles have been confirmed in 28 states. Find weekly updates [here](#).
- The importance of Herd Immunity: [Measles Outbreak Simulation](#)
- [Measles Resources for Providers](#)
  - [Measles Investigation Quicksheet](#)
  - [MEASLES: Identification and Management of Suspected Cases](#)

### 2019\* recommendations for tuberculosis (TB) screening and testing of U.S. health care personnel

Category	2019 Recommendation
Baseline (preplacement) screening and testing	TB screening of all HCP, including a symptom evaluation and test (IGRA or TST) for those without documented prior TB disease or LTBI ( <b>unchanged</b> ); individual TB risk assessment ( <b>new</b> ).
Postexposure screening and testing	Symptom evaluation for all HCP when an exposure is recognized. For HCP with a baseline negative TB test and no prior TB disease or LTBI, perform a test (IGRA or TST) when the exposure is identified. If that test is negative, do another test 8-10 weeks after the last exposure ( <b>unchanged</b> ).
Serial screening and testing for HCP without LTBI	Not routinely recommended ( <b>new</b> ); can consider for selected HCP groups ( <b>unchanged</b> ); recommend annual TB education for all HCP ( <b>unchanged</b> ), including information about TB exposure risks for all HCP ( <b>new emphasis</b> ).
Evaluation and treatment of positive test results	Treatment is encouraged for all HCP with untreated LTBI, unless medically contraindicated ( <b>new</b> ).

### Tuberculosis: WI TB page

- The CDC has **updated the TB screening recommendations for healthcare personnel**. [Here](#) is the article detailing the new guidelines.
- The Wisconsin Tuberculosis Program (WTBP) recommends an interferon gamma release assay (IGRA) also known as QuantiFERON or T-Spot rather than a tuberculin skin test (TST) in individuals 2 years or older.
  - Use this [flow chart](#) to evaluate a patient's TB risk factors and what tests should be performed if the first IGRA is positive.
- Remember to "**Think TB.**" If you suspect active (infectious) TB notify the LHD immediately. TST/TB Blood Test, chest x-ray, sputums x 3 and isolation will be required.
- Please see [this page](#) for provider resources including the [LTBI Case Report Form](#) and [Follow-Up Form](#).

### Reporting Category I diseases

- Diseases such as Measles, Pertussis, and Tuberculosis are Category I Reportable Diseases and should be reported immediately to the health department.
  - Please review the list of [Category I Reportable Diseases](#) from the WI DHS
- If you are prepared to test for a disease, be ready to treat the patient. **Remember: Test, Isolate, and Treat—Call Health Department!**

**If you have any questions please contact:  
Winnebago County Health Department at 920-232-3000  
Or by email at [health@co.winnebago.wi.us](mailto:health@co.winnebago.wi.us)**

## Incidence of Communicable Disease in Winnebago County (WC) and Wisconsin (WI)

Data obtained from the Wisconsin Public Health Information Network – Analysis, Visualization and Reporting Portal. This report is based on episode date, is provided as PROVISIONAL information for health care professionals, and may not represent final counts of cases.

Inc+ = Incidence = number of cases/100,000 population. WC population 2010 = 166,994 WI population 2010 = 5,686,986

Episode Year	2017 (Full Year)			2018 (Full Year)			2019 (Quarter 2)		
	WC # of Cases	WC Inc*	WI Inc*	WC # of Cases	WC Inc*	WI Inc*	WC # of Cases	WC Inc*	WI Inc*
Arboviral Disease	1	0.59	2.37	1	0.59	1.21	0	0.00	0.07
Babesiosis	2	1.18	1.54	0	0	1.07	0	0.00	0.19
Blastomycosis	1	0.59	2.25	2	1.18	1.71	0	0.00	0.48
Campylobacteriosis	41	24.13	30.49	63	37.08	29.25	11	6.47	10.59
Chlamydia	656	386.14	482.98	781	459.72	488.78	341	200.72	235.36
Cryptosporidiosis	15	8.83	12.65	18	10.6	14.9	3	1.77	3.60
Cyclosporiasis	0	0	0.4	11	6.47	5.52	0	0.00	0.10
Ehrlich/Anaplas	14	8.24	14.73	10	5.89	8.95	1	0.59	1.45
Giardiasis	14	8.24	12.27	14	8.24	11.66	5	2.94	2.68
Gonorrhea	102	60.04	133.25	123	72.4	137.21	64	37.67	64.63
Haemoph Inf Inv	2	1.18	2.18	3	1.77	2.02	1	0.59	0.76
Hepatitis A	1	0.59	0.28	0	0	0.26	0	0.00	0.14
Hepatitis B	15	8.83	6.87	12	7.06	7.29	4	2.35	2.54
Hepatitis C	71	41.79	52.97	93	54.74	47.47	31	18.25	17.58
Histoplasmosis	2	1.18	0.45	0	0	0.5	0	0.00	0.33
Influenza hosp	114	67.1	89.66	160	94.18	113.8	71	41.79	70.24
Inv Strep A & B	30	17.66	14.22	30	17.66	15.4	16	9.42	7.25
Legionellosis	2	1.18	3.06	5	2.94	5.75	1	0.59	1.11
Leptospirosis	0	0	0.03	2	1.18	0.14	0	0.00	0.02
Lyme Disease	34	20.01	52.47	28	16.48	32.41	3	1.77	5.28
Bact Meningitis	0	0	1.49	4	2.35	2.28	0	0.00	0.59
Myco (Non-TB)	67	39.44	21.39	53	31.2	19.66	27	15.89	7.82
Pathogenic E.coli	10	5.89	7.03	28	16.48	24.52	16	9.42	7.68
Pertussis	19	11.18	13.2	13	7.65	12.17	3	1.77	3.10
Rocky Mt Spotted Fever	1	0.59	0.4	1	0.59	0.5	0	0.00	0.05
Salmonellosis	23	13.54	18.14	32	18.84	17.95	13	7.65	6.00
Shigellosis	2	1.18	4.71	1	0.59	2.23	1	0.59	1.06
Strep, Other Invasive	4	2.35	1.25	5	2.94	1.85	0	0.00	0.64
Strep Pneumo Inv	8	4.71	8.57	14	8.24	8.96	8	4.71	4.52
Syphilis	14	8.24	11.63	18	10.6	9.9	8	4.71	4.48
Toxoplasmosis	0	0	0.26	1	0.59	0.12	0	0.00	0.21
Tuberculosis (TB)	1	0.59	0.85	1	0.59	0.88	0	0.00	0.38
TB, Latent (LTBI)	32	18.84	13.1	24	14.13	15.97	12	7.06	6.52
VRSA / VISA	1	0.59	0.1	1	0.59	0.17	0	0.00	0.10
Varicella	7	4.12	4.98	8	4.71	5.02	8	4.71	2.47
Vibriosis	2	1.18	0.55	2	1.18	0.54	0	0.00	0.28
Yersiniosis	0	0	0.95	5	2.94	1.44	0	0.00	0.48
<b>TOTAL</b>	<b>1308</b>	<b>769.94</b>	<b>1023.72</b>	<b>1567</b>	<b>922.39</b>	<b>1049.46</b>	<b>648</b>	<b>381.43</b>	<b>470.78</b>