

Mark Harris, County Executive  
 Doug Gieryn, Director/Health Officer

Office Hours: M-F 8:00am-4:30pm  
 Toll-Free: 800-250-3110  
 Fax: 920-232-3370

[health@co.winnebago.wi.us](mailto:health@co.winnebago.wi.us)  
[www.winnebagohealth.org](http://www.winnebagohealth.org)



112 Otter Avenue  
 Oshkosh, WI 54903-2808  
 Phone: 920-232-3000

211 N Commercial Street  
 Neenah, WI 54956  
 Phone: 920-727-2894

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 @WinnebagoHealth

## Reports of Communicable Disease in Winnebago County – April 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			
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Jan	Feb	Mar	Total
Acute Flaccid Myelitis	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Blastomycosis	0	0	1	0	0	0	0	1	0	2	0	0	0	0
Campylobacteriosis	3	3	11	8	12	2	2	6	3	50	2	1	3	6
Chlamydia	59	54	41	63	66	46	66	61	51	507	47	56	51	154
Coccidioidomycosis	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Cryptosporidiosis	0	0	3	4	5	2	1	0	0	15	0	0	0	0
Cyclosporiasis	0	5	4	1	0	0	0	0	0	10	0	0	0	0
Ehrlichiosis	0	0	0	1	2	0	1	0	0	4	0	0	0	0
Anaplasmosis	0	0	0	0	0	0	2	0	0	2	0	0	0	0
Giardiasis	0	0	1	1	4	3	1	1	0	11	1	1	1	3
Gonorrhea	8	5	8	7	15	10	14	7	8	82	10	11	6	27
Haemoph Inf Inv	0	0	0	0	0	0	1	1	0	2	0	0	0	0
Hepatitis B	0	1	1	0	2	2	2	1	2	11	0	2	1	3
Hepatitis C	4	10	2	9	6	8	3	6	3	51	5	7	6	18
Influenza	12	2	0	0	0	0	0	1	0	15	10	14	30	54
Strep (A And B)	1	3	1	2	1	3	3	3	3	20	2	2	2	6
Legionellosis	0	0	0	0	0	1	1	1	0	3	0	0	0	0
Leptospirosis	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Lyme Disease	1	1	6	6	3	2	0	2	2	23	0	0	0	0
Bact Meningitis/Other	0	1	0	0	2	1	0	0	0	4	0	0	0	0
Mumps	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Myco (Non-TB)	3	2	3	5	3	7	3	4	5	35	5	4	2	11
Pertussis	2	1	1	0	0	0	1	1	3	9	0	0	0	0
Salmonellosis	3	3	2	3	4	0	3	2	0	20	1	1	4	6
Shigellosis	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Strep, Other Invasive	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Strep, Pneumo Invasive	2	1	0	1	0	1	0	1	1	7	0	0	3	3
Syphilis	0	0	1	0	3	3	1	1	1	10	0	2	1	3
Toxoplasmosis	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Tuberculosis	0	0	0	0	0	0	0	1	0	1	0	0	0	0
TB Latent (LTBI)	2	1	1	1	2	4	3	1	0	15	2	0	2	4
Varicella (Chickenpox)	2	0	2	0	0	0	0	1	1	6	0	5	2	7
Vibriosis, Non Cholera	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Yersiniosis	1	0	0	2	0	1	0	1	0	5	0	0	0	0
Totals	105	94	96	117	131	102	112	107	86	950	90	111	115	316

Run Date 4/16/19

This data does not include the City of Menasha.

# April 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.

## Seasonal/Environmental Updates:

**Respiratory Virus Surveillance:** WI Influenza page: <https://www.dhs.wisconsin.gov/influenza/index.htm>

CDC Influenza Page: <http://www.cdc.gov/flu/>

Influenza A/H3 is the predominant virus this week. (As of 4/6/19)

**Influenza:** Activity levels are high or moderate throughout the state.

- Report: [Influenza-associated hospitalizations](#), [Influenza-associated pediatric deaths](#) and [Influenza A virus infection - novel subtypes only](#).
- CDC reports the flu season is likely to last through the end of April due to strong A/H3 virus. [CDC Alert](#)

## Local/National Update:

### Immunizations:

- Need help responding to vaccine-hesitant parents? Use [these provider resources](#) to start a conversation with parents
- Please encourage parents to vaccinate at recommended times to better protect their child and the community. Dr. Offit's [article](#) in *Pediatrics* describes the harm an alternate vaccine schedule can have.
- [Post Crescent article](#) about herd immunity in Wisconsin and a piece of legislation possibly removing parent opt-outs for personal reasons.

**Measles:** [WI Measles page](#) & [CDC Measles page](#)

- As of April 19, 2019, 626 individual cases of measles have been confirmed in 22 states. The states that have reported cases to CDC are Arizona, California, Colorado, Connecticut, Florida, Georgia, **Illinois**, Indiana, Iowa, Kentucky, Maryland, Massachusetts, Michigan, Missouri, Nevada, New Hampshire, New Jersey, New York, Oregon, Texas, Tennessee, and Washington.
- View [TEDMED at CDC: Measles—Making a Disease Disappear](#) conference talk from 2013

**Mumps Testing:** [WI DHS Guidance](#)

- Buccal Swab for PCR testing (preferably within 3 days of parotitis onset and not more than 9 days after parotitis onset)
- Nasopharyngeal or Oropharyngeal swab should also be collected for Influenza PCR testing
- Information about [Mumps Testing](#) from the WI DHS

**Pertussis:** [WI Pertussis page](#) & [CDC Pertussis page](#)

- As of February 28, 2019, 41 cases (17 confirmed and 24 probable) of pertussis with onset during 2019 were reported among Wisconsin residents.
- **If you have a suspect case or are considering testing someone:**
  - **Notify the LHD immediately, Isolate symptomatic patients** for 5 days of antibiotic therapy, **Test symptomatic patients** with NP swab for PCR as soon as possible and preferably within 21 days of cough onset.
- Please see [this page](#) for resources including the [Pertussis Investigation and Reporting Protocol](#) and [Case Report Form](#)

**Tuberculosis:** [WI TB page](#)

- 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 1)		
	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	0.02
Babesiosis	2	1.18	1.54	0	0.00	1.07	0	0.00	0.03
Blastomycosis	1	0.59	2.25	2	1.18	1.71	0	0.00	0.22
Campylobacteriosis	41	24.13	30.49	63	37.08	29.25	9	5.30	5.23
Chlamydia	656	386.14	482.98	781	459.72	488.78	184	108.38	134.91
Cryptosporidiosis	15	8.83	12.65	18	10.60	14.90	1	0.59	1.77
Cyclosporiasis	0	0.00	0.40	11	6.47	5.52	0	0.00	0.05
Ehrlich/Anaplas	14	8.24	14.73	10	5.89	8.95	0	0.00	0.07
Giardiasis	14	8.24	12.27	14	8.24	11.66	3	1.77	1.32
Gonorrhea	102	60.04	133.25	123	72.40	137.21	32	18.84	36.31
Haemoph Inf Inv	2	1.18	2.18	3	1.77	2.02	0	0.00	0.54
Hepatitis A	1	0.59	0.28	0	0.00	0.26	0	0.00	0.07
Hepatitis B	15	8.83	6.87	12	7.06	7.29	3	1.77	1.25
Hepatitis C	71	41.79	52.97	93	54.74	47.47	19	11.18	9.24
Histoplasmosis	2	1.18	0.45	0	0.00	0.50	0	0.00	0.12
Influenza hosp	114	67.10	89.66	160	94.18	113.80	65	38.26	62.70
Inv Strep A & B	30	17.66	14.22	30	17.66	15.40	7	4.12	3.62
Legionellosis	2	1.18	3.06	5	2.94	5.75	0	0.00	0.62
Leptospirosis	0	0.00	0.03	2	1.18	0.14	0	0.00	0.02
Lyme Disease	34	20.01	52.47	28	16.48	32.41	0	0.00	0.90
Malaria	1	0.59	0.17	0	0.00	0.26	0	0.00	0.07
Bact Meningitis	0	0.00	1.49	4	2.35	2.28	0	0.00	0.35
Myco (Non-TB)	67	39.44	21.39	53	31.20	19.66	11	6.47	3.62
Pathogenic E.coli	10	5.89	7.03	28	16.48	24.52	9	5.30	3.72
Pertussis	19	11.18	13.20	13	7.65	12.17	0	0.00	1.73
Rocky Mt Spotted Fever	1	0.59	0.40	1	0.59	0.50	0	0.00	0.00
Salmonellosis	23	13.54	18.14	32	18.84	17.95	7	4.12	2.32
Shigellosis	2	1.18	4.71	1	0.59	2.23	0	0.00	0.48
Strep, Other Invasive	4	2.35	1.25	5	2.94	1.85	0	0.00	0.42
Strep Pneumo Inv	8	4.71	8.57	14	8.24	8.96	5	2.94	2.39
Syphilis	14	8.24	11.63	18	10.60	9.90	6	3.53	2.68
Toxoplasmosis	0	0.00	0.26	1	0.59	0.12	0	0.00	0.09
Tuberculosis (TB)	1	0.59	0.85	1	0.59	0.88	0	0.00	0.14
TB, Latent (LTBI)	32	18.84	13.10	24	14.13	15.97	4	2.35	3.17
VRSA / VISA	1	0.59	0.10	1	0.59	0.17	0	0.00	0.03
Varicella	7	4.12	4.98	8	4.71	5.02	6	3.53	1.32
Vibriosis	2	1.18	0.55	2	1.18	0.54	0	0.00	0.14
Yersiniosis	0	0.00	0.95	5	2.94	1.44	0	0.00	0.24
<b>TOTAL</b>	<b>1309</b>	<b>770.53</b>	<b>1023.89</b>	<b>1567</b>	<b>922.39</b>	<b>1049.72</b>	<b>371</b>	<b>218.45</b>	<b>281.92</b>