



DuPage County Health Department R E V I E W

Volume 16, No. 1

June 2020

The purpose of this two-page surveillance update is to promote the control and prevention of **communicable disease (CD)** by providing clinically relevant information and resources to healthcare professionals in DuPage County.



Under the Microscope COVID-19

For questions or to report suspect or known cases of COVID-19, please call the DuPage County Health Department (DCHD) at (630) 221-7553.

Coronavirus disease 2019, or COVID-19, is a viral respiratory illness in humans caused by a novel (new) coronavirus with significant activity occurring globally, nationally, and locally. Reported illnesses have ranged from very mild (including some people with no reported symptoms) to severe, including illness and complications resulting in hospitalization and death.¹

Additional data on disease activity and outcomes are available at the DuPage County Health Department (DCHD) **COVID-19 dashboard** at www.dupagehealth.org/covid19data.

The virus that causes COVID-19 is thought to **spread mainly from person to person**, primarily through **respiratory droplets produced when an infected person coughs, sneezes, or talks**. These droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs. Spread is more likely when people are in **close contact** with one another (within about 6 feet). COVID-19 seems to be **spreading easily and sustainably in the community** (“community spread”) in many affected geographic areas.² The **incubation period for COVID-19 is thought to extend to 14 days, with a median time of 4-5 days** from exposure to symptoms onset.³

Testing: Generally, viral testing for SARS-CoV-2 is considered to be **diagnostic** when conducted among individuals with symptoms consistent with COVID-19 or among asymptomatic individuals with known or suspected recent exposure to SARS-CoV-2 to control transmission. Testing is considered to be **surveillance** when conducted among asymptomatic individuals without known or suspected exposure to SARS-CoV-2 for early identification, or to detect transmission hot spots or characterize disease trends.⁴

Most patients with confirmed COVID-19 have developed fever and/or symptoms of acute respiratory illness (e.g., cough) but some infected patients may present with **other symptoms as well**. Clinicians are encouraged to consider testing for other causes of respiratory illness, for example influenza, in addition to testing for SARS-CoV-2 **depending on patient age, presence of underlying conditions, season, or clinical setting** (e.g., long-term care facility). Detection of one respiratory pathogen (e.g., influenza) **does not exclude** the potential for co-infection with SARS-CoV-2. Because symptoms and presentations **may be different in children**, consider referencing the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 in neonates and for **multisystem inflammatory syndrome in children (MIS-C)**.⁴ For **COVID-19 testing resources in DuPage County**, see www.dupagehealth.org/covid19testing.

Isolation and Quarantine: The decision to monitor a patient in the inpatient or outpatient setting should be made on a case-by-case basis, and will depend on the clinical presentation, requirement for supportive care, potential risk factors for severe disease, and the **ability of the patient to self-isolate at home**.³

For patients who are suspected or known to have COVID-19 infection, **clinicians should advise cases to self-isolate for 1) a minimum of 10 days** after symptom onset (or specimen collection date if onset unclear or if asymptomatic) **AND** after they are **2) afebrile** (without fever-reducing medication) and **3) symptoms are improving** for at least 72 hours.^{5,6,7}

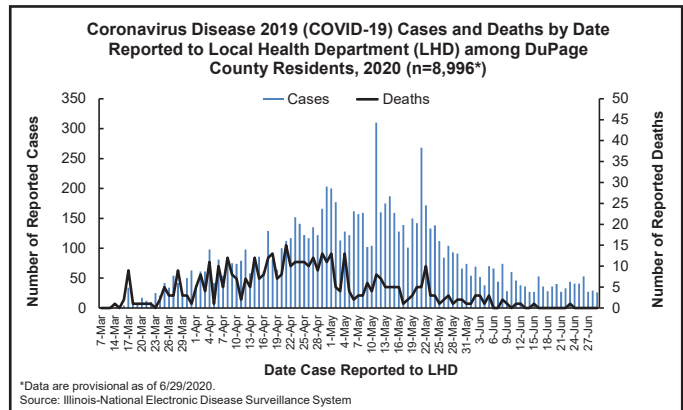
Close contacts (e.g., household members, intimate partners, caregivers) of cases need to be promptly identified and **advised to self-quarantine for 14 days** after the last/most recent contact with the case when the case was infectious. If a close contact develops symptoms, they should contact their physician and follow self-isolation recommendations for cases above.^{5,6,7} For COVID-19, a **“close contact” is defined as any individual who was within 6 feet of an infected person for at least 15 minutes** starting from 2 days before illness onset (or, for asymptomatic patients, 2 days prior to positive specimen collection) until the time the patient is isolated.⁵

For patients, first responders, or healthcare personnel who are COVID-19 cases or close contacts and are **unable to safely isolate or quarantine at home, a request for alternate housing may be sent via email to temphousing@dupagehealth.org**.

Prevention: CDC recommends all people 2 years of age and older **wear a cloth face covering in public settings and when around people who don't live in your household**. Continue to keep about **6 feet between yourself and others**. The cloth face cover is not a substitute for physical distancing. **Wash your hands often** with soap and water for at least 20 seconds, and if soap and water are not readily available, use a hand sanitizer that contains at least **60% alcohol**. Avoid touching your eyes, nose, and mouth with unwashed hands.⁸ **Promote and practice the 3 Ws to ward off COVID-19: wear a mask, wash your hands, and watch your distance!**

References:

1. www.cdc.gov/coronavirus/2019-nCoV/index.html
2. www.cdc.gov/coronavirus/2019-ncov/faq.html
3. www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-guidance-management-patients.html
4. www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html
5. www.dph.illinois.gov/covid19/community-guidance/isolation-quarantine
6. www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine-isolation.html
7. www.dupagehealth.org/covid19_IsolationQuarantine
8. www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html



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General Information

Communicable Disease and Epidemiology
(630) 221-7553

Environmental Health
(630) 682-7400

Immunizations
(630) 682-7400

Sexually Transmitted Diseases
(630) 221-7553

HIV/AIDS
(630) 221-7553

Tuberculosis
(630) 221-7522

School Health
(630) 221-7300

Travel Clinic
(630) 682-7400

Animal Services
(630) 407-2800

Please contact Communicable Disease and Epidemiology at (630) 221-7553 with suggestions or to be added to the distribution list.

DUPAGE COUNTY HEALTH DEPARTMENT
CASES¹ OF REPORTABLE DISEASES*

* Last updated by the Illinois Department of Public Health, effective January 1, 2019.

CD REVIEW
Volume 16, No. 1

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	Report Within	2020		2019		2018		2017		2016		Median	
		May	Jan-May	Jan-May	Total	Jan-May	Total	Jan-May	Total	Jan-May	Total	Jan-May	Total ('16-'19)
Vaccine Preventable Diseases													
Chickenpox (varicella)	24 hrs	0	6	25	47	19	42	15	35	25	56	19	44.5
Diphtheria	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haemophilus influenzae</i> , invasive	24 hrs	0	5	5	16	8	16	4	9	3	13	4	14.5
Hepatitis A	24 hrs	1	3	5	8	3	6	2	3	1	2	2	4.5
Hepatitis B (acute, chronic, perinatal)	7 days	0	16	51	126	45	93	45	100	46	124	45	112
Influenza, deaths in < 18 yrs old	7 days	0	0	1	1	0	0	0	0	0	0	0	0
Influenza, ICU admissions	24 hrs	0	68	80	104	113	125	66	121	63	69	66	112.5
Measles (rubeola)	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Mumps	24 hrs	0	0	3	5	8	12	4	8	4	11	4	9.5
<i>Neisseria meningitidis</i> , invasive	24 hrs	0	0	0	0	0	0	0	0	1	1	0	0
Pertussis (whooping cough)	24 hrs	0	15	16	56	6	34	7	36	37	105	7	46
Poliomyelitis	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Streptococcus pneumoniae</i> , invasive disease, in those < 5 yrs old	7 days	0	1	2	4	2	6	0	1	1	2	1	3
Tetanus	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Other Communicable Diseases													
Anaplasmosis	7 days	0	1	0	0	0	0	0	1	0	1	0	0.5
Anthrax	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Arboviral Disease (other and unspecified) ²	7 days	0	0	0	0	0	0	0	2	1	1	0	0.5
Babesiosis	7 days	0	0	0	0	0	1	0	0	0	1	0	0.5
Botulism, foodborne	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, other	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Bruceellosis	3 hrs	0	0	1	0	0	0	0	0	0	0	0	0
Campylobacteriosis	7 days	3	31	69	204	52	160	55	161	60	173	55	167
Chikungunya virus disease	7 days	0	0	0	0	0	2	0	0	0	4	0	1
Cholera	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	7 days	0	2	10	41	13	31	1	18	3	18	3	24.5
Cyclosporiasis	7 days	0	0	1	17	5	141	1	7	0	5	1	12
Dengue virus infection	7 days	0	0	0	4	0	2	0	1	0	3	0	2.5
Ehrlichiosis	7 days	0	1	0	0	0	0	0	0	0	2	0	0
Enteric <i>E. coli</i> infections ³	24 hrs	5	15	10	56	15	39	10	23	6	24	10	31.5
Hantavirus pulmonary syndrome	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic uremic syndrome	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis D (acute, chronic, perinatal)	7 days	5	30	103	208	90	190	115	294	120	255	103	231.5
Hepatitis C	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Histoplasmosis	7 days	1	2	6	7	3	6	6	9	3	8	3	7.5
Influenza A, novel virus	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Legionellosis	7 days	1	6	5	65	1	37	6	28	4	34	4	35.5
Leptospirosis	7 days	0	0	0	0	0	0	1	1	0	0	0	0
Listeriosis	7 days	0	1	2	2	0	0	1	4	0	0	0	1
Lyme disease	7 days	1	4	2	39	4	27	2	36	3	34	2	35
Malaria	7 days	0	1	1	3	3	4	0	3	6	10	1	3.5
Ophthalmia neonatorum	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Plague	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Psittacosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Q fever	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, animal case	24 hrs	0	0	0	9	0	8	1	12	4	10	0	9.5
Rabies, human case	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, potential exposure	24 hrs	6	18	24	106	28	167	9	84	9	59	9	95
Spotted fever rickettsiosis	7 days	0	0	0	0	1	2	0	1	0	3	0	1.5
Salmonellosis	7 days	5	33	41	113	40	118	39	104	30	118	39	115.5
<i>Salmonella</i> Paratyphi infection ⁴	24 hrs	0	2	1	1	2	2	1	1	0	1	1	1
<i>Salmonella</i> Typhi infection	24 hrs	1	1	2	2	3	4	2	4	0	0	2	3
Severe Acute Respiratory Syndrome	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	7 days	0	3	9	26	3	10	5	14	10	21	5	17.5
Smallpox	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Smallpox vaccination, complications	24 hrs	0	0	0	0	0	1	0	0	0	0	0	0
<i>Staphylococcus aureus</i> (vancomycin-resistant)	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcal infections, group A invasive disease ⁵	24 hrs	0	8	18	31	20	33	12	24	8	18	12	27.5
Toxic shock syndrome ⁶	7 days	0	0	0	0	1	1	0	0	0	0	0	0
Trichinosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	7 days	2	5	12	46	17	50	10	42	14	42	12	44
Tularemia	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Typhus	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Vibriosis (non-cholera)	7 days	0	1	5	10	2	14	4	6	1	6	2	8
West Nile virus disease	7 days	0	0	0	6	0	18	0	6	0	10	0	8
Zika virus disease	7 days	0	0	0	0	1	1	0	1	1	11	0	1
STDs, HIV and AIDS													
AIDS ⁷ (April - June)	7 days	--	3	3	11	1	19	4	12	8	12	3.5	12
Chancroid	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	7 days	55	552	1063	2566	1042	2545	988	2495	1017	2417	1017	2520
Gonorrhea	7 days	23	130	221	522	159	443	159	451	156	390	159	447
HIV disease ^{7,8} (April - June)	7 days	--	9	11	42	5	40	12	39	12	43	11.5	41
Syphilis ⁹	7 days	2	18	39	59	28	73	28	55	31	59	28	59
Outbreaks¹⁰													
Foodborne	24 hrs	0	3	2	7	1	5	0	2	1	3	1	4
<i>Foodborne Outbreak Cases</i>		0	7	172	243	21	121	0	114	8	22	8	117.5
Waterborne	24 hrs	0	0	0	2	0	0	0	0	1	1	0	0.5
<i>Waterborne Outbreak Cases</i>		0	0	0	7	0	0	0	0	2	2	0	1
Person to Person	24 hrs	38	144	41	59	58	77	44	64	30	47	41	61.5
<i>Person to Person Outbreak Cases</i>		371	2803	693	1088	754	1156	467	1219	663	989	663	1122
Other and Unspecified	24 hrs	0	0	0	1	0	0	0	0	0	0	0	0
<i>Other and Unspecified Outbreak Cases</i>		0	0	0	15	0	0	0	0	0	0	0	0

DuPage County healthcare providers and hospitals **must report any suspected or confirmed case of these diseases** to the local health authorities within the number of hours or days indicated.

REPORTING NUMBERS:

Communicable Diseases

(630) 221-7553

24 hours: (630) 682-7400

Tuberculosis

(630) 221-7522

STDs

(630) 221-7553

HIV/AIDS

(630) 221-7553

¹ Provisional cases, based on date of onset

² Including, but not limited to, California serogroup virus diseases, Eastern equine encephalitis virus disease, Powassan virus disease, St. Louis encephalitis virus disease, Western equine encephalitis virus disease, and yellow fever. Chikungunya virus disease, dengue virus infection, West Nile virus disease, and Zika virus disease are listed individually.

³ O157:H7, STEC

⁴ *Salmonella enterica* serotypes Paratyphi A, B [tartrate negative], and C

⁵ Includes streptococcal toxic shock syndrome and necrotizing fasciitis

⁶ Due to *Staphylococcus aureus*

⁷ HIV/AIDS data are provided quarterly by IDPH and are provisional, based on date of diagnosis.

⁸ HIV disease counts reflect all newly diagnosed HIV cases (including AIDS) regardless of stage of disease at diagnosis.

⁹ Cases are provisional, based on test date per local health department investigation. Includes syphilis cases staged as primary, secondary, or early non-primary non-secondary.

¹⁰ Listed based on report submission date

Websites

CDC:
www.cdc.gov

IDPH:
www.dph.illinois.gov

DuPage:
www.dupagehealth.org

Archived issues of *CD Review* are available at:
www.dupagehealth.org/248/Surveillance-Reports-and-Resources