



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.

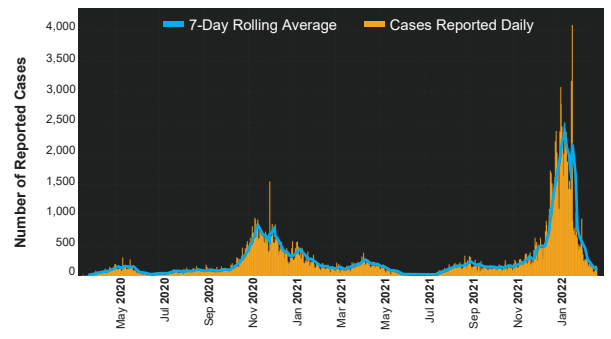
COVID-19 (coronavirus disease 2019) is a disease caused by a virus named SARS-CoV-2 (part of the coronavirus family) and was discovered in December 2019 in Wuhan, China. Like many other respiratory viruses, coronaviruses spread quickly through droplets that are projected out of the mouth or nose of an infected person (with or without symptoms), such as with breathing, coughing, sneezing, or speaking. It is very contagious and has quickly spread around the world, in part due to the emergence of variants with new characteristics influencing disease spread and severity.^{1,2}

The first COVID-19 case in Illinois was reported in January 2020, and the first COVID-19 case in DuPage County was reported in March 2020. Additional data on disease activity and outcomes are available at the DuPage County **COVID-19 dashboard** at www.dupagehealth.org/covid19data.

COVID-19 most often causes respiratory symptoms that can feel much like a cold, influenza, or pneumonia. COVID-19 may attack more than the lungs and respiratory system of an infected person; other parts of the body may also be affected by the disease.

- Most people with COVID-19 have mild symptoms, but some people become severely ill.
- Some people, including those with minor or no symptoms, may suffer from post-COVID conditions — or “long COVID.”
- Older adults and people who have certain underlying medical conditions are at increased risk of severe illness from COVID-19.
- Hundreds of thousands of people have died from COVID-19 in the United States.
- Vaccines against COVID-19 are safe and effective. Vaccines teach a vaccinated person’s immune system to fight the virus that causes COVID-19.
- Staying up to date with COVID-19 vaccines (getting primary series and booster) and following preventive measures for COVID-19 (e.g., masking, hand hygiene, physical distancing, improved ventilation) are important.¹ This is especially important for persons who are older or have one or more underlying medical conditions.³
- Diagnostic and screening testing for COVID-19 infection are critically important to help reduce risk of severe illness and further spread.⁴
- Ill or infected persons with COVID-19 need to self-isolate (except to receive medical care) and close contacts need to follow quarantine recommendations to reduce disease spread.⁵
- Timely referral and access to treatment for eligible persons infected with COVID-19 may help reduce severe outcomes, such as hospitalization and death.^{6,7}
- Healthcare providers with a question about the clinical management of COVID-19 may contact CDC-INFO by their email form or by calling 800-CDC-INFO (800-232-4636).
- Incorporating health equity considerations in all aspects of COVID-19 response, clinical management, and prevention is central to improving health outcomes of all individuals community-wide.⁸

COVID-19 Cases among DuPage County Residents by Date Reported



Date Reported to Local Health Department
Source: www.dupagehealth.org/covid19data; data are provisional through 2/25/2022.

COVID-19 Cases by Deceased Status, Vaccination Status, Age, and Presence of Underlying Medical Condition(s) in DuPage County Residents, 12/15/2020-present (n=149,921*)

PLEASE NOTE: Of the 149,921 total COVID-19 cases reported since 12/15/2020:
• 153 cases (0.10%) were fully vaccinated and died from a cause related to COVID-19.

	Not Fully Vaccinated	Fully Vaccinated
Total Deceased Cases (n=664)	511 (77.0%)	153 (23.0%)
Age ≥ 60 years (percent of vaccination status category)	419 (82.0%)	141 (92.2%)
Underlying Medical Condition(s) Present (percent of vaccination status category)	417 (81.6%)	121 (79.1%)

*Data are provisional as of 8:00am 2/21/2022 and subject to change. Includes cases reported on or after 12/15/2020. Probable cases and deaths were added to confirmed cases and deaths to reflect total COVID-19 cases and deaths, effective 5/11/2021.
Source: Illinois-National Electronic Disease Surveillance System (I-NEDSS)
Notes:
1. “Underlying medical condition(s)” include but are not limited to: cancer, cardiovascular disease, chronic lung disease, diabetes mellitus, hypertension, immunosuppressive condition, neurologic disease, obesity, pregnancy, renal disease, and smoking.
2. COVID-19 vaccine breakthrough infection is defined as the detection of SARS-CoV-2 RNA or antigen in a respiratory specimen collected from a person 314 days after completing the primary series of an FDA-authorized COVID-19 vaccine.
3. Deaths of lab-confirmed cases of COVID-19 are reported in the Illinois-National Electronic Disease Surveillance System (I-NEDSS) as the underlying cause of death or the contributing cause of death, confirmed either by investigations or record match with the Illinois Vital Records data.

Source: www.dupagehealth.org/covid19data; data are provisional through 2/21/2022.

Please note: Centers for Disease Control and Prevention’s (CDC) new COVID-19 Community Levels recommendations **do not apply** in healthcare settings, such as hospitals and nursing homes. Instead, **healthcare settings should continue to use community transmission rates and continue to follow CDC’s infection prevention and control recommendations for healthcare settings.**⁹

References:

1. www.cdc.gov/coronavirus/2019-ncov/your-health/about-covid-19/basics-covid-19.html
2. www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html
3. www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html
4. www.cdc.gov/coronavirus/2019-ncov/hcp/testing.html
5. www.cdc.gov/coronavirus/2019-ncov/your-health/quarantine-isolation.html
6. www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-care.html
7. www.covid19treatmentguidelines.nih.gov/
8. www.cdc.gov/coronavirus/2019-ncov/community/health-equity/index.html
9. www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.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

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.

* Last updated by the Illinois Department of Public Health, effective January 12, 2022. Case counts for other communicable diseases, STDs, HIV, AIDS, and outbreaks will be included in future monthly issues.

Vaccine Preventable Diseases	Report Within	2021 ¹	2020	2019	2018	2017	Median
Chickenpox (varicella)	24 hrs	14	10	47	42	35	35
COVID-19	3 hrs	85,300	57,303	--	--	--	71,302
Diphtheria	3 hrs	0	0	0	0	0	0
<i>Haemophilus influenzae</i> , invasive	24 hrs	5	7	16	16	9	9
Hepatitis A	24 hrs	2	4	8	6	3	4
Hepatitis B (acute, chronic, perinatal)	7 days	112	85	131	113	100	112
Influenza, deaths in <18 years old	7 days	0	0	1	0	0	0
Influenza, ICU admissions	24 hrs	3	83	97	125	121	97
Measles (rubeola)	24 hrs	0	0	0	0	0	0
Mumps	24 hrs	2	1	5	12	8	5
<i>Neisseria meningitidis</i> , invasive	24 hrs	0	0	0	0	0	0
Pertussis (whooping cough)	24 hrs	8	17	56	34	36	34
Poliomyelitis	3 hrs	0	0	0	0	0	0
Rubella	24 hrs	0	0	0	0	0	0
<i>Streptococcus pneumoniae</i> , invasive (<5 years old)	7 days	1	1	4	6	1	1
Tetanus	7 days	0	0	0	0	0	0
Enteric Communicable Diseases							
Enteric <i>E. coli</i> infections ²	24 hrs	63	43	56	39	23	43
Listeriosis	7 days	2	4	2	0	4	2
Salmonellosis	7 days	122	91	112	118	104	112
Shigellosis	7 days	22	6	26	10	14	14

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 Data are provisional and subject to change.

² Includes O157:H7 and shiga toxin-producing *E. coli* (STEC)

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