



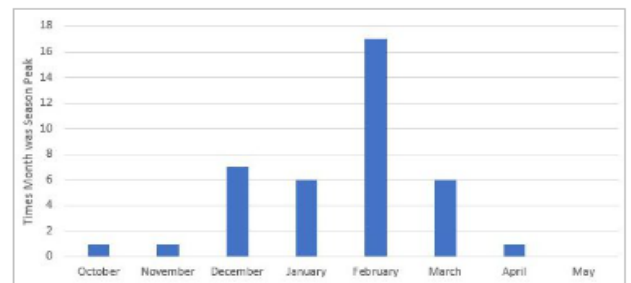
Monthly Highlight: Influenza Season



Influenza (also known as “flu”) season is not a new phenomenon. Every year, October through May, the United States experiences a flu season. While seasonal influenza viruses can be found year round, they typically circulate during the fall and winter months and tend to peak between December and February. Over the past several years, we have had relatively mild flu seasons. Influenza-Associated Hospitalizations are required to be reported to local health departments in Ohio. Stark County had 6 hospitalizations reported during the 2020-2021 season and 120 during the 2021-2022 season. Before the 2020-2021 season, our 5-year average was close to 400 hospitalizations each year. While

every flu season can look different, typically we can look to the southern hemisphere to predict what our flu season may look like. During the southern hemisphere’s flu season, Australia saw an increase in flu compared to their past several seasons. Their flu season began earlier than normal and children ages 5 through 9 had the highest rates of flu cases. We may see similar trends here in the United States and it’s important to be prepared. One of the best ways to protect ourselves and others is to get the seasonal influenza vaccine. This vaccine is available to most people 6 months of age and older.

Flu activity peak months in the U.S. from the 1982-1983 through 2021-2022 flu seasons*



* There was no discernible peak in activity during the 2020-2021 season due to the uncharacteristically low level of influenza virus circulation that season.

For more information:

- <https://www.cdc.gov/flu/index.htm>
- <https://www.nbcnews.com/health/health-news/australia-flu-season-warning-sign-us-this-year-rcna40123>

Table 2: Select Vital Statistics for Stark County

	Oct 2022	YTD 2022	2021
Live Births	298	3,165	3,929
Births to Teens	11	145	214
Deaths	340	3,934	5,409

* Birth and death data is preliminary

Table 3: Stark County Crude Birth Rate and Death Rates

	2017	2018	2019	2020	2021*
Birth	10.7	10.9	11.0	10.5	10.5
Death	12.0	11.8	12.0	14.1	14.5

*Source: Data Ohio. Rates are per 1,000 population. 2021 data is preliminary.

Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.

	October 2022				November 2021			
	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category
Pollen Count	8	1	2	N/A	Data collected seasonally and currently not available.			
Mold Count	4,300	200	2,100	N/A				
Air Quality Index	66	3	37	Moderate (5)				

**See the following websites for updated Air Quality Index and mold index terminology and color coding: <http://www.airnow.gov/index.cfm?action=aqibasics.aqi> <https://pollen.aaaai.org/#/pages/reading-the-levels>. Data source for this table is the Air Quality Division of the Canton City Health Department.

Jurisdictional Summary of Reportable Conditions in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Oct	YTD	Oct	YTD	Oct	YTD	Oct	YTD	Oct	YTD
Anaplasmosis-Anaplasma phagocytophilum	0	0	0	0	0	0	0	1	0	1
Babesiosis	0	0	0	0	0	0	0	1	0	1
Campylobacteriosis	1	4	0	10	0	2	5	48	6	64
Chlamydia infection	22	107	88	712	17	129	43	460	170	1408
CP-CRE	0	0	0	0	0	4	1	14	1	18
Coccidioidomycosis	0	0	0	0	0	0	0	2	0	2
Cryptosporidiosis	0	0	1	3	0	1	0	12	1	16
Cyclosporiasis	0	0	0	0	0	0	0	1	0	1
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	1	0	0	0	0	0	8	0	9
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	0	0	0	1	0	1
Giardiasis	0	0	0	0	0	0	1	6	1	6
Gonococcal infection	7	73	38	394	8	45	15	148	68	660
Haemophilus influenzae (invasive disease)	0	0	0	2	0	1	1	7	1	10
Hepatitis A	0	0	0	0	0	0	0	1	0	1
Hepatitis B (including delta) - acute	0	0	0	0	0	1	0	1	0	2
Hepatitis B (including delta) - chronic	0	4	4	10	0	4	0	8	4	26
Hepatitis C - acute	0	1	0	2	0	0	0	2	0	5
Hepatitis C - chronic	1	16	9	66	2	12	3	61	15	155
Hepatitis C - Perinatal Infection	0	0	0	0	0	1	0	0	0	1
Influenza - ODH Lab Results	0	0	0	0	0	0	0	3	0	3
Influenza-associated hospitalization	0	7	2	38	0	4	1	67	3	116
LaCrosse virus disease (other California serogroup virus disease)	0	0	0	0	0	0	0	1	0	1
Legionellosis	0	0	0	7	0	0	0	20	0	27
Listeriosis	0	0	0	0	0	0	0	1	0	1
Lyme Disease	0	0	0	1	0	2	1	19	1	22
Malaria	0	0	0	0	0	0	0	1	0	1
Meningitis - aseptic/viral	0	1	1	4	0	2	0	5	1	12
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	1	0	0	0	1
Meningococcal disease - Neisseria meningitidis (call health department immediately)	0	0	0	0	0	0	0	1	0	1
Mpox	0	1	0	0	0	0	0	3	0	4
MIS-C associated with COVID-19 (call health department immediately)	0	1	0	1	0	1	0	2	0	5
Salmonellosis	0	2	0	9	0	2	2	29	2	42
Shigellosis	0	0	0	2	0	0	1	8	1	10
Spotted Fever Rickettsiosis, including Rocky Mountain spotted fever (RMSF)	0	0	0	0	0	0	0	1	0	1
Streptococcal - Group A -invasive	0	0	1	7	0	1	1	7	2	15
Streptococcal - Group B - in newborn	0	0	0	1	0	0	0	0	0	1
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	0	1	1	7	1	2	1	7	3	17
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	1	0	4	0	1	0	7	0	13
Syphilis, Total	0	5	6	51	0	6	1	31	7	93
Syphilis, Primary, Secondary and Early Latent	0	4	6	36	0	4	0	23	6	67
Varicella	0	1	0	0	0	0	0	1	0	2
Vibriosis (not cholera)	0	0	0	0	0	0	1	1	1	1
Yersiniosis	0	0	0	1	0	1	0	3	0	5
Total	31	230	157	1368	28	227	78	1023	294	2848

Source: Ohio Disease Reporting System, downloaded 12/01/2022.



Summary Table of Diseases Reported in the Previous 5 years within Stark County (Provisional Data)	Oct 2022	Oct 2021	YTD 2022	YTD 2021	All of 2021	5 Year Annual Average	Rate
Anaplasmosis-Anaplasma phagocytophilum	0	0	1	0	1	0.2	0.054
Babesiosis	0	0	1	0	0	N/A	N/A
Brucellosis	0	0	0	0	0	0.4	0.108
Campylobacteriosis	6	6	64	45	58	74.6	20.086
Chlamydia	170	155	1408	1410	1645	1729.8	465.742
CP-CRE	1	3	18	13	18	13.0	3.500
Coccidioidomycosis	0	0	2	1	1	0.2	0.054
Creutzfeldt-Jakob Disease	0	1	0	3	3	1.0	0.269
Cryptosporidiosis	1	2	16	18	19	29.6	7.970
Cyclosporiasis	0	0	1	5	5	4.2	1.131
Ehrlichiosis-Ehrlichia chaffeensis	0	0	1	0	0	N/A	N/A
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	9	8	8	11.4	3.069
Giardiasis	1	0	6	3	6	12.6	3.393
Gonorrhea	68	82	660	698	841	673.0	181.203
Haemophilus influenzae , Invasive	1	3	10	7	10	6.0	1.615
Hepatitis A	0	0	1	3	3	6.6	1.777
Hepatitis B, Acute	0	1	2	2	2	6.4	1.723
Hepatitis B, Chronic	4	2	26	28	35	39.0	10.501
Hepatitis C, Acute	0	1	5	8	9	5.8	1.562
Hepatitis C, Chronic	15	15	155	172	205	256.2	68.981
Hepatitis C - Perinatal Infection	0	0	1	1	1	0.8	0.202
Influenza-associated hospitalization	3	0	116	5	15	359.2	96.713
LaCrosse virus disease	0	0	1	1	1	1.0	0.268
Legionellosis	0	3	27	29	30	18.0	6.893
Listeriosis	0	0	1	0	0	0.8	0.215
Lyme Disease	1	1	22	41	43	19.4	5.223
Malaria	0	0	1	0	0	N/A	N/A
Measles - imported from outside Ohio	0	0	0	0	0	0.2	0.054
Meningitis, Aseptic	1	3	12	15	19	25.6	6.893
Meningococcal disease- Neisseria meningitidis (call health department immediately)	0	0	1	0	0	N/A	N/A
Meningitis, Other Bacterial	0	0	1	1	1	2.4	0.646
Monkeypox	0	0	4	0	0	N/A	N/A
MIS-C associated with COVID-19 (call health department immediately)	0	2	5	8	9	N/A	N/A
Mumps	0	0	0	0	0	0.6	0.162
Pertussis	0	0	0	0	0	29.4	7.916
Salmonellosis	2	3	42	35	43	44.0	11.847
Shigellosis	1	0	10	1	3	15.4	4.146
Spotted Fever Rickettsiosis	0	0	1	0	0	0.8	0.215
Streptococcal Dis, Group A, Invasive	2	2	15	7	10	15.6	4.200
Streptococcal Dis, Group B, in Newborn	0	0	1	1	1	1.4	0.377
Streptococcus pneumoniae - inv antibiotic resistance unknown or non-resistant	3	1	17	11	15	23.0	6.193
Streptococcus pneumo - inv antibiotic resistant/intermediate	0	0	13	4	7	11.2	3.016
Syphilis, Total	7	10	96	44	64	40.8	10.985
Syphilis, Primary, Secondary and Early Latent	6	9	67	27	46	27.2	7.323
Tuberculosis	0	1	0	3	3	2.0	0.538
Varicella	0	2	2	8	8	14.8	3.985
Vibriosis - other (not cholera)	1	0	1	3	3	2.0	0.538
West Nile Virus	0	0	0	0	0	1.4	0.377
Yersiniosis	0	0	5	7	9	4.8	1.292

Source: Ohio Disease Reporting System, downloaded 12/01/2022. Rates are per 100K population and based on 5 yr average incidence 2017-2021.