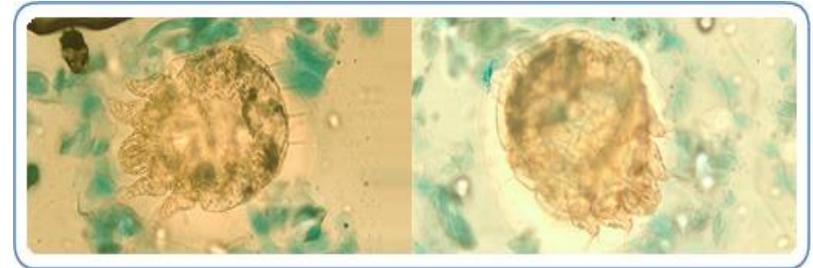


*EPI Gram* is a bimonthly publication of the Stark County Public Health Infrastructure Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation and, at any given time, data may fluctuate from month to month for a specific category.

## ➤ Monthly Highlight: *Sarcoptes scabiei*

The year 2015 brought a couple outbreaks of *Sarcoptes scabiei* into the county. Due to the relatively long incubation period these outbreaks have lingered into the month of February. Symptoms include intense itching and a pimple like rash. Sometimes the burrows from the mites may be seen under the surface of the individual's skin. Scabies is spread by direct skin to skin contact, but may also transfer via other objects such as clothing or bed linens.



According to the Ohio Administrative Code, “a person with scabies shall be isolated for twenty-four hours following initial treatment with an effective scabicide.” The infected individual’s items that can be laundered should be done so and then placed in the dryer using high heat for 20 minutes in order to kill the mites. Other items may be bagged or placed into a sealed container for seven days until the mites are killed.

As alluded to earlier, an infected individual may not show symptoms for four to six weeks. Regardless of whether an individual is showing signs or experiencing symptoms, an infected person can spread the mites to other people. This lag time between the time of infection, symptom onset, and diagnosis facilitates the spread of these mites and often initiates the beginning of an outbreak. The best way to prevent the spread of scabies is to detect it early on through heightened surveillance. Below are the guidelines from the Centers from Disease Control on this matter:

- Have an active program for early detection of infested patients and staff.
- Maintain a high index of suspicion that scabies may be the cause of undiagnosed skin rash; suspected cases should be evaluated and confirmed by obtaining skin scrapings.
- Screen all new patients and staff for scabies.
- Notify local health department of outbreak and determine if any evidence of increased scabies in the general community; notify other institutions to or from which infested or exposed patients may have transferred.

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

	December 2014				January 2014			
	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	Reported Seasonally; Not Currently Available				Reported Seasonally; Not Currently Available			
Mold Count	Reported Seasonally; Not Currently Available				Reported Seasonally; Not Currently Available			
Air Quality Index	28	13	21	0 Good	29	15	22	0 Good

\*\*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/nab/index.cfm?p=reading\\_charts](https://pollen.aaaai.org/nab/index.cfm?p=reading_charts)  
Data source for this table is the Air Quality Division of the Canton City Health Department.

**Table 2 Summaries of Select Vital Statistics for Stark County**

	February 2015	YTD 2015	2014
Live Births	304	792	4,512
Births to Teens	20	63	380
Deaths	368	811	4,288

Birth and Death Data is reported by the four health districts and may include non-county residents.

**Table 3 Stark County Crude Birth Rate and Death Rates**

	2009	2010	2011	2012	2013
Birth	11.4	10.8	10.8	10.9	11.2
Death	10.9	10.9	11.3	11.4	11.3

\*Source: Ohio Department of Health Data Warehouse. Rates are per 1,000 population.

If you have any questions, including how to receive copies of this report, please contact Julia Wagner at 330.493.9914 or [Wagnerj@starkhealth.org](mailto:Wagnerj@starkhealth.org).

**Table 4: Jurisdictional Summary of Reportable Diseases in Stark County, OH**

	Alliance City		Canton City		Massillon City		Stark County		Total	
	Feb.	YTD	Feb.	YTD	Feb.	YTD	Feb.	YTD	Feb.	YTD
Campylobacteriosis	0	0	0	0	0	0	2	3	2	3
Chlamydia infection	3	8	38	103	4	16	36	84	81	211
Coccidioidomycosis	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	0	0	0	0	0	0	0	2	0	2
E. coli-Not O157:H7	0	0	0	0	0	0	1	1	1	1
E. coli-O157:H7	0	0	0	0	0	0	0	0	0	0
Giardiasis	0	0	0	1	0	0	0	1	0	2
Gonococcal infection	2	4	14	35	2	4	6	11	24	54
Haemophilus Influenzae	0	0	0	0	0	0	1	2	1	2
Hemolytic Uremic Syndrome	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	0	1	0	0	0	0	0	1
Hepatitis B - acute	0	1	0	0	0	0	0	0	0	0
Hepatitis B - chronic	0	0	0	2	0	0	1	4	1	6
Hepatitis B - perinatal	0	0	0	0	0	0	0	0	0	0
Hepatitis C - acute	0	1	0	1	0	0	0	2	0	4
Hepatitis C - chronic	3	9	3	7	2	5	7	15	15	36
Influenza-associated hospitalization	1	3	8	54	2	17	16	106	27	180
Legionellosis	0	0	0	0	0	0	0	0	0	0
Lyme Disease	0	0	0	0	0	0	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0
Measles-indigenous to Ohio	0	0	0	0	0	0	0	0	0	0
Meningitis - aseptic/viral	0	0	0	1	1	1	1	1	2	3
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	0	0	0
Meningococcal disease	0	0	0	1	0	0	0	0	0	1
Mumps	0	0	0	0	0	0	1	1	1	1
Mycobacterial disease - other than tuberculosis	0	0	0	0	0	0	0	1	0	1
Pertussis	0	2	0	8	1	3	0	4	1	17
Salmonellosis	0	0	1	1	0	0	1	2	2	3
Shigellosis	0	0	0	0	0	0	0	0	0	0
Streptococcal - Group A -invasive	0	0	0	1	0	0	0	2	0	3
Streptococcal - Group B -newborn	0	0	0	0	0	0	0	0	0	0
Streptococcal toxic shock syndrome (STSS)	0	0	0	0	0	0	0	0	0	0
Streptococcus pneumoniae - invasive antibiotic resistance unknown/non-resistant	0	0	0	1	0	0	0	1	0	2
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	1	1	0	1	0	0	1	2	2	4
Syphilis, Total	0	0	0	0	0	0	0	1	0	1
Syphilis, Primary and Secondary	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	0	0	0	0	0	0	0	0	0	0
Varicella	0	0	0	0	0	0	1	2	1	2
Vibriosis-Other (not cholera)	0	0	0	0	0	0	0	0	0	0
West Nile	0	0	0	0	0	0	0	0	0	0
Yersiniosis	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>29</b>	<b>64</b>	<b>218</b>	<b>12</b>	<b>46</b>	<b>75</b>	<b>249</b>	<b>161</b>	<b>542</b>

Source: Ohio Disease Reporting System, downloaded 2/4/2015.

**Table 5–Summary Table of Diseases Reported in the Previous 5 years within Stark County**

(Provisional Data)	Feb. 2015	Feb. 2014	YTD 2015	YTD 2014	All of 2014	5 Yr. Annual Average	5 Yr. Annual Rate
Anaplasmosis	0	0	0	0	0	0.2	0.053
Brucellosis	0	0	0	0	0	0.2	0.053
Campylobacteriosis	2	3	3	7	74	59.2	15.762
Chlamydia	81	139	211	273	1,531	1,465.2	390.110
Coccidioidomycosis	0	0	0	0	1	0.4	0.107
Creutzfeldt-Jakob Disease	0	0	0	0	0	0.6	0.160
Cryptosporidiosis	0	4	2	6	29	27.8	7.402
Cyclosporiasis	0	0	0	0	0	0.2	0.053
Dengue	0	0	0	0	0	0.8	0.213
Escherichia coli , STP, Not O157:H7	1	0	1	0	2	1.2	0.320
Escherichia coli O157:H7	0	0	0	0	6	2.8	0.746
Escherichia coli , STP, Unk Serotype	0	0	0	0	0	0.4	0.107
Ehrlichiosis	0	0	0	0	0	0.2	0.053
Giardiasis	0	0	2	1	15	44.2	11.768
Gonorrhea	24	55	54	113	527	562.8	149.846
Haemophilus influenzae , Invasive	1	0	2	0	6	7.4	1.970
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	1	0.2	0.053
Hepatitis A	0	0	1	0	9	4.8	1.278
Hepatitis B, Acute	0	0	1	2	6	5.2	1.385
Hepatitis B, Chronic	1	8	6	11	41	32.4	8.627
Hepatitis B, Perinatal	0	0	0	0	1	2.6	0.692
Hepatitis C, Acute	0	0	4	0	4	6	1.597
Hepatitis C, Chronic	15	20	36	44	263	247.8	65.977
Hepatitis E	0	0	0	0	0	0.2	0.053
Influenza-associated hospitalization	27	22	180	113	409	208.2	55.433
Influenza-associated pediatric mortality	0	0	0	0	0	0.2	0.053
LaCrosse virus disease	0	0	0	0	0	0.8	0.213
Legionellosis	0	0	0	0	6	13.6	3.621
Listeriosis	0	0	0	0	1	1.4	0.373
Lyme Disease	0	0	0	1	9	10.8	2.876
Malaria	0	0	0	0	1	1	0.266
Measles (indigenous to Ohio)	0	0	0	0	9	1.8	0.479
Meningitis, Aseptic/Viral	2	0	3	2	24	35.6	9.479
Meningitis, Other Bacterial	0	1	0	1	2	3.2	0.852
Meningococcal Disease	0	0	1	0	2	1	0.266
Mumps	1	0	1	0	5	1.4	0.373
Mycobacterial disease - Not TB	0	4	1	5	34	30.4	8.094
Other arthropod-borne disease	0	0	0	0	1	0.2	0.053
Pertussis	1	5	17	9	81	45.6	12.141
Q fever, acute	0	0	0	0	0	0.4	0.106
Salmonellosis	2	1	3	2	38	37.8	10.064
Shigellosis	0	3	0	15	69	34	9.053
Spotted Fever Rickettsiosis	0	0	0	0	0	0.6	0.160
Streptococcal Dis, Group A, Invasive	0	1	3	1	10	15.8	4.207
Streptococcal Dis, Group B, in Newborn	0	0	0	0	1	2.4	0.639
Streptococcal Toxic Shock Syndrome	0	1	0	1	2	1	0.266
Streptococcus pneumoniae - invasive antibiotic resistance unknown / non-resistant	0	4	2	7	27	36	9.585
Streptococcus pneumo - invasive antibiotic resistant /intermediate	2	0	4	1	9	18.8	5.006
Syphilis, Total	0	0	1	0	7	6.4*	1.704*
Syphilis, Primary and Secondary	0	0	0	0	7	0.8*	0.213*
Toxic Shock Syndrome (TSS)	0	0	0	0	0	0.8	0.213
Tuberculosis	0	0	0	0	1	1.8	0.479
Typhoid Fever	0	0	0	0	1	0.4	0.107
Typhus Fever	0	0	0	0	0	0.2	0.053
Varicella	1	2	2	3	24	35.4	9.425
Vibriosis parahaemolyticus	0	0	0	0	0	0.2	0.053
Vibriosis - other (not cholera)	0	0	0	0	1	0.6	0.160
West Nile Virus	0	0	0	0	1	0.4	0.107
Yersiniosis	0	0	0	0	3	1.2	0.320

Source: OH Disease Reporting System, downloaded 2/4/2015. Rates are per 100K population and based on 5 yr. average incidence 09-13.\*08-12 from ODH Stats pg.