



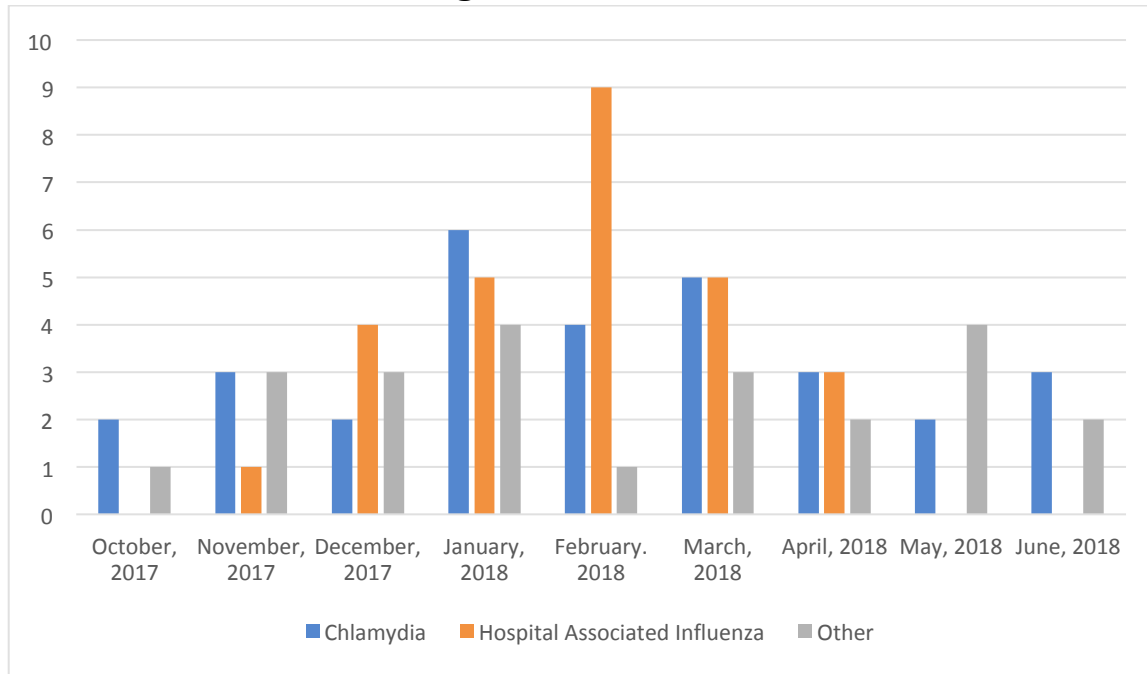
Performance Improvement for Community Health Leading Communicable Disease

In order to determine the leading communicable disease in the City of Salem. Data was taken from the Ohio Disease Reporting System (ODRS) for nine months, from October, 2017 to June, 2018.

Month	Communicable Disease %	Communicable Disease %	Communicable Disease %	Total Cases
October, 2017	2 -Chlamydia – 67%		1 - Other 33%	3
November, 2017	3 – Chlamydia – 43%	1 - Hospital Associated Influenza 14%	3- Other- 43%	7
December, 2017	2 – Chlamydia 22%	4 – Hospital Associated Influenza 49%	3- Other 29%	9
January, 2018	6 – Chlamydia 40%	5 – Hospital Associated Influenza 33%	4- Other 27%	15
February, 2018	4 – Chlamydia 29%	9 – Hospital Associated Influenza 64%	1 – other 7%	14
March, 2018	5 - Chlamydia 36%	5 – Hospital Associated Influenza 36%	3- other 18%	13
April, 2018	3 – Chlamydia 37.5%	3 – Hospital Associated Influenza 37.5%	2 – other 25%	8
May, 2018	2 – Chlamydia 33%		4 – Other 67%	6
June, 2018	3 – Chlamydia 67%		2 – other 33%	5
TOTAL	30 – 37.5%	27 – 33.75%	23 – 28.75%	80



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A total of 80 communicable disease cases was logged between December, 2017 through June, 2018.

Chlamydia had a total of 30 cases; an average of 37.5% of the total cases.

Hospital associated influenza had 27 cases; an average during the nine-month period of 33.75% total cases.

The Other category had 23 cases; an average of 31.3% of the total cases.

In the Other category Chronic Hepatitis C had 12 of the 23 cases. This is 15% on average over the nine-month period. Chronic Hepatitis – C ranked 3rd as the leading communicable disease. The majority of the Hepatitis – C individuals were past IV drug users.

The other category includes:

- 12 - Chronic Hepatitis C,
- 2 - Campylobacteriosis,
- 3 - gonorrhea,
- 1 case of each: pertussis, streptococcus pneumonia, giardiasis, salmonellosis, Streptococcal Group A – invasive.

During the six-month period of January, 2018 through June, 2018, there were 23 cases of chlamydia, of which 9 were adolescents. This is 39% of the chlamydia cases in adolescents for a six-month period.

Three were 19 years of age and were not included in the adolescent age category.



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In late April, 2018, the public health nurse collaborated with the Salem City school nurses to distribute pamphlets on STD's and a poster on the STD clinic held at Alliance Public Health Department, phone, and address.

In July, 2018, there were no adolescent cases of chlamydia.

Recommendations:

1. Distributing educational brochures to high school students
2. Have Public health nurse speak to high school students on STD's
3. Have classes at the Health Department targeting adolescents as the audience
4. Salem City Health Districts contact information to assist in confidential and anonymous education and help on STD and testing sites.
5. Have classes at the Health Department targeting adults as the audience.



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Looking only at the first quarter of 2018, including the months of January, February and March, below is a comparison of the State of Ohio, Columbiana County, and the City of Salem.

Only data for the first quarter of 2018 was available.

Cases Reported to the Ohio Department of Health

Age	January – March 2018		
	State of Ohio	Columbiana County	City of Salem
0-9	7	0	0
10-14	115	0	0
15-19	4,683	11	8
20-24	5,839	16	4
25-29	2,727	8	0
30-34	1,076	2	0
35-39	512	2	1
40-44	220	1	1
45-54	232	0	0
55-64	77	0	0
65+	10	0	0
Not Specified	6	0	0
Total	15,504	40	14

Source: Ohio Chlamydia Cases, First Quarter 2018, Demographic Breakdown of Ohio, Presented by Date of Diagnosis¹

Columbiana County Epidemiologist

ODRS



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Area	Population 2017 Estimates US Census Bureau	# Cases Chlamydia First Quarter	Percent
State of Ohio	11,658,609*	15,504	0.13%
Columbiana County	103,077*	40	0.03%
City of Salem	11,782*	14	0.12%

- Estimations by the United States Census Bureau for 2017

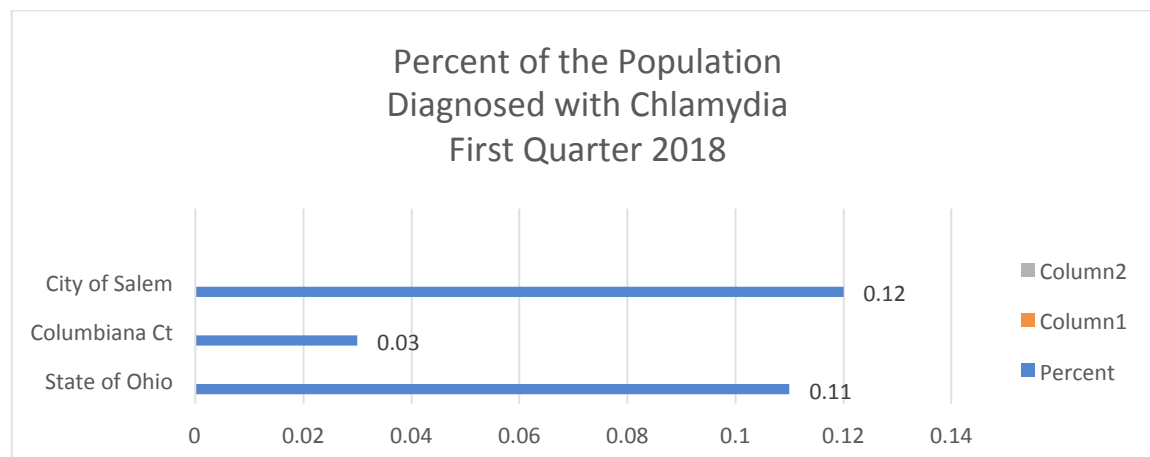
The population of the State of Ohio is 11.66 million (2017)*. With 15,504 cases in the first quarter this is 0.13% of the population.

Columbiana County population 103,077 (2017)*, with 40 cases the first quarter this is 0.03% diagnosed with chlamydia.

Salem City population 11,782 (2017)*; with 14 cases the first quarter, this is 0.11%.

*Sources: United States Census Bureau

With this data, it clearly shows that the City of Salem is above Columbiana County and 0.01% below the State.





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Other interesting data:

State of Ohio data: Source: Ohio Department of Health, STD Surveillance Program. Data reported through 7/1/2018.

County	# Chlamydia cases for first quarter of 2018	Population (2015)	Percent
Columbiana	40	104,806	0.06%
Stark	331	375,165	0.09%
Mahoning	425	231,900	0.18%

Ohio Chlamydia Cases, First Quarter 2018 in Select Ohio Cities, Presented by Date of Diagnosis¹

CITY	Jan – March Cases 2018
Akron	661
Canton	236
Cincinnati	1,690
Cleveland	1,757
Columbus	2,076
Dayton	680
Lima	120
Toledo	715
Youngstown	280

Sources:

Ohio Chlamydia Cases, First Quarter 2018, Demographic Breakdown of Ohio, Presented by Date of Diagnosis¹

Ohio Department of Health, STD Surveillance Program. Data reported through 7/1/2018.

United States Census Bureau

Respectfully submitted,

Alanna Stainbrook