

# Joplin & Jasper County Communicable Diseases

## Newsletter

October-December 2018

### Shigella

Shigellosis is an infectious disease caused by a group of bacteria called *Shigella* (shih-GEHL-uh). Most who are infected with *Shigella* develop diarrhea, fever, and stomach cramps starting a day or two after they are exposed to the bacteria. Shigellosis usually resolves in 5 to 7 days. Some people who are infected may have no symptoms at all, but may still pass the *Shigella* bacteria to others. The spread of *Shigella* can be stopped by frequent and careful hand-washing with soap and taking other hygiene measures.

Source: [CDC](#)



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## Signs & Symptoms of Shigella

People who are sick from *Shigella* infection usually start experiencing symptoms 1 to 2 days after contact with the germ. Symptoms of shigellosis include:

- \* Diarrhea (sometimes bloody)
- \* Fever
- \* Stomach pain
- \* Feeling the need to pass stool even when the bowels are empty

Some people with shigellosis will not have any symptoms.

Symptoms usually last 5 to 7 days, but some people may experience symptoms anywhere from a few days to 4 or more weeks. In some cases, it may take several months before bowel habits (for example, how often someone passes stool and the consistency of their stool) are entirely normal.

## Prevention

There is no vaccine to prevent shigellosis. However, you can reduce your chance of getting shigellosis by:

- \* Carefully washing your hands with soap and water during key times:
  - Before eating or preparing food for others
  - After changing a diaper or helping to clean another person who went to the bathroom
- \* If you care for a child in diapers who has shigellosis, promptly throw away soiled diapers in a covered, lined garbage can. Wash your hands and the child's hands carefully with soap and water immediately after changing the diapers. Clean up any leaks or spills of diaper contents immediately.
- \* Avoid swallowing water from ponds, lakes, or untreated swimming pools.
- \* When traveling internationally, follow safe food and water guidelines and wash hands often with soap and water.
- \* Avoid sexual activity with those who have diarrhea or who recently (several weeks) recovered from shigellosis.

## Treatment for Shigella

Most people will recover from shigellosis without treatment in 5 to 7 days. People who have shigellosis should drink plenty of fluids to prevent dehydration.

- \* In some people, **bismuth subsalicylate** (for example, Pepto-Bismol) can help to relieve symptoms.
- \* **People with shigellosis should not use anti-diarrheal medication**, such as loperamide (for example, Imodium) or diphenoxylate with atropine (for example, Lomotil). These medications may make symptoms worse.
- \* **Healthcare providers may prescribe antibiotics for some people who have severe cases of shigellosis.** Antibiotics such as ciprofloxacin (common treatment for adults), and azithromycin (common treatment for children) are useful for **severe cases of shigellosis** because they can help people get better faster. However, some antibiotics are not effective against certain types of *Shigella* bacteria. Healthcare providers can order laboratory tests to determine which antibiotics are likely to work.

People who have shigellosis should follow their healthcare provider's advice. If your healthcare provider prescribes antibiotics, let them know if you do not get better within a couple of days after starting the medication. They can do more tests to learn whether your type of *Shigella* bacteria can be treated effectively with the antibiotic you are taking. If not, your doctor may prescribe another type of antibiotic.

**Communicable Diseases Reported  
Joplin City/Jasper County  
2017 and 2018 (January 1-December 31)**

	Joplin City		Jasper County	
	2017	2018	2017	2018
Anaplasma Phagocytophilum	1	1	3	1
Campylobacteriosis	16	19	33	36
Coccidioidomycosis	0	0	1	0
Cryptosporidiosis	7	3	5	9
E. Coli Shiga Toxin Positive	2	1	4	10
E. Coli O157 H7	0	0	4	3
Ehrlichia Chaffeensis	5	4	10	9
Giardiasis	1	4	4	3
Haemophilus Influenzae, Invasive	1	1	4	2
Hemolytic Uremic Syndrome	0	0	1	0
Hepatitis A Acute	1	0	1	0
Hepatitis B	11	9	5	7
Hepatitis B (Pregnancy) Prenatal	1	1	1	2
Hepatitis B Acute	7	3	2	3
Hepatitis B Chronic Infection	9	8	5	6
Hepatitis C	4	6	2	4
Hepatitis C Chronic Infection	114	104	55	46
Influenza (Deaths)	1	7	2	6
Legionellosis	2	7	5	2
Lyme	1	0	2	1
MOTT	17	18	6	7
Mumps	6	0	9	0
Pertussis	1	0	3	3
Rocky Mountain Spotted Fever	6	17	16	74
Salmonellosis	9	13	19	15
Shiga Toxin Positive (Non E.coli)	0	0	0	2
Shigellosis	4	1	0	1
Staph Aureus VISA	0	1	0	0
Strep Pneumoniae Invasive	6	16	5	11
TB Disease	1	4	2	1
TB Infection	35	47	24	17
Toxic Shock (Staph) Syndrome	1	0	0	1
Toxic Shock (Strep) Syndrome	0	0	0	3
Varicella	7	2	14	13
<b>Total Cases Per Year</b>	<b>277</b>	<b>297</b>	<b>247</b>	<b>298</b>

Key

2018 more than 2017	
2018 less than 2017	

Source: DHSS

**Sexually Transmitted Diseases  
Jasper County  
January-October 2018**

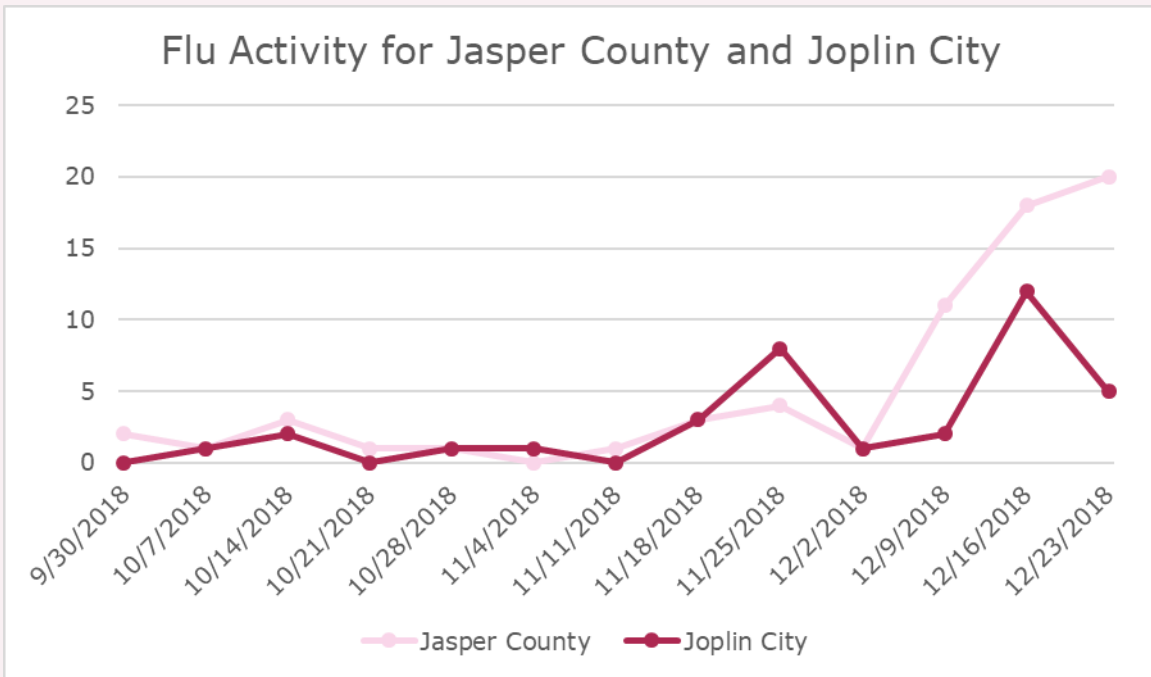
	2018
<b>Chlamydia</b>	588
<b>Gonorrhea</b>	259
<b>Syphilis</b>	36
<b>Total</b>	<b>883</b>

According to the data, Jasper County has seen a total of 883 sexually transmitted disease cases from January through October of 2018. The majority of STD cases seen were positive for Chlamydia, followed by Gonorrhea and Syphilis respectively. Data for STD count is tracked by the Missouri Department of Health and Senior Services and is subject to change as reports are collected.

Source: DHSS

Nearly half of all new STD cases occur in people aged 15 to 24.





\*Source: Joplin City/Jasper County HD Flu Surveillance, 2018. Data is from week beginning September 30, 2018 to week beginning December 23, 2018. Data is preliminary and is subject to change.

Jasper County		
Type of Influenza	Season TD	% of Total
Influenza A	50	75.8
Influenza B	16	24.2
Unknown/Untyped	0	0
<b>Total</b>	<b>66</b>	<b>100</b>

Joplin City		
Type of Influenza	Season TD	% of Total
Influenza A	23	63.9
Influenza B	13	36.1
Unknown/Untyped	0	0
<b>Total</b>	<b>36</b>	<b>100</b>

Jasper County		
Age Group	Season TD	% of Total
0-1	7	10.6
2-4	4	6.1
5-14	14	21.2
15-24	6	9.1
25-49	25	37.9
50-64	6	9.1
65+	4	6.1
<b>Total</b>	<b>66</b>	<b>100.1</b>

Joplin City		
Age Group	Season TD	% of Total
0-1	2	5.6
2-4	6	16.7
5-14	6	16.7
15-24	1	2.8
25-49	12	33.3
50-64	4	11.1
65+	5	13.9
<b>Total</b>	<b>36</b>	<b>100</b>