

COMMUNICABLE DISEASES NEWSLETTER JOPLIN/JASPER COUNTY

Volume 9, Issue 3

July-September 2016

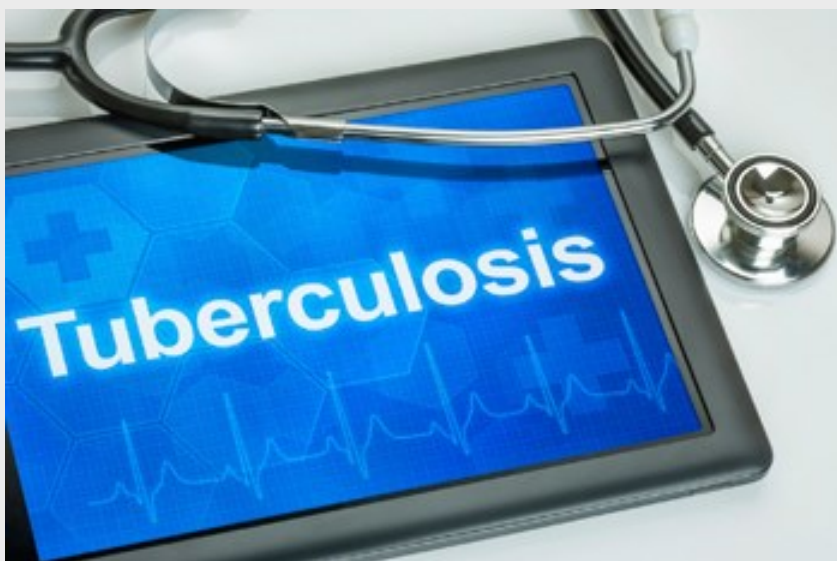
Tuberculosis

Tuberculosis (TB) is caused by a bacterium called *Mycobacterium tuberculosis*. The bacteria usually attack the lungs, but TB bacteria can attack any part of the body such as the kidney, spine, and brain. Not everyone infected with TB bacteria becomes sick. As a result, two TB-related conditions exist: latent TB infection (LTBI) and TB disease. If not treated properly, TB disease can be fatal.

(continued on page 2)

Did You Know?

*In 1882, Robert Koch, German physician, identified the cause of TB as the bacterial strain *Mycobacterium tuberculosis*.*



Source: [CDC](http://www.cdc.gov)

In This Issue

- Tuberculosis
- Communicable Disease Report
- Sexually Transmitted Disease Report
- TB Services
- Flu Shots

TB bacteria are spread through the air from one person to another. The TB bacteria are put into the air when a person with TB disease of the lungs or throat coughs, speaks, or sings. People nearby may breathe in these bacteria and become infected.

TB is **NOT** spread by:

- Shaking someone’s hand
- Sharing food or drink
- Touching bed linens or toilet seats
- Sharing toothbrushes
- Kissing

When a person breathes in TB bacteria, the bacteria can settle in the lungs and begin to grow. From there, they can move through the blood to other parts of the body. TB disease in the lungs or throat can be infectious. This means that the bacteria can be spread to other people. TB in other parts of the body, such as the kidney or spine, is usually not infectious.

People with TB disease are most likely to spread it to people they spend time with every day. This includes family members, friends, and coworkers or schoolmates.

A Person with Latent TB Infection	A Person with TB Disease
<ul style="list-style-type: none"> ◆ Has no symptoms 	<ul style="list-style-type: none"> ◆ Has symptoms that may include: <ul style="list-style-type: none"> ◇ A bad cough that may lasts 3 weeks or longer ◇ Pain in the chest ◇ Coughing up blood or sputum ◇ Weakness or fatigue ◇ Weight loss ◇ No appetite ◇ Chills ◇ Fever ◇ Sweating at night
<ul style="list-style-type: none"> ◆ Does not feel sick 	<ul style="list-style-type: none"> ◆ Usually feels sick
<ul style="list-style-type: none"> ◆ Cannot spread TB bacteria to others 	<ul style="list-style-type: none"> ◆ May spread TB bacteria to others
<ul style="list-style-type: none"> ◆ Usually has a skin test or a blood test result indicating TB infection 	<ul style="list-style-type: none"> ◆ Usually has a skin test or blood test result indicating TB infection
<ul style="list-style-type: none"> ◆ Has a normal chest x-ray and a negative sputum smear 	<ul style="list-style-type: none"> ◆ May have an abnormal chest x-ray , or positive sputum smear or culture
<ul style="list-style-type: none"> ◆ Needs treatment for latent TB infection to prevent TB disease 	<ul style="list-style-type: none"> ◆ Needs treatment to treat TB disease

Latent TB Infection

TB bacteria can live in the body without making you sick. This is called latent TB infection. In most people who breathe in TB bacteria and become infected, the body is able to fight the bacteria to stop them from growing.

Many people who have latent TB infection never develop TB disease. In these people, the TB bacteria remain inactive for a lifetime without causing disease. But in other people, especially people who have a weak immune system, the bacteria become active, multiply, and cause TB disease.

TB Disease

TB bacteria become active if the immune system can't stop them from growing. When TB bacteria are active (multiplying in your body), this is called TB disease. People with TB disease are sick. They may also be able to spread the bacteria to people they spend time with every day. Many people who have latent TB infection never develop TB disease. Some people develop TB disease soon after becoming infected (within weeks) before their immune system can fight the TB bacteria. Other people may get sick years later when their immune system becomes weak for another reason. For people whose immune systems are weak, especially those with HIV infection, the risk of developing TB disease is much higher than for people with normal immune systems.

**Communicable Disease Reported in Joplin/Jasper County
2015 and 2016 (January 1-September 30)**

	Joplin		Jasper County	
	2015	2016	2015	2016
Anaplasma Phagocytophilum	0	3	2	5
Campylobacteriosis	15	14	31	34
Coccidioidomycosis	1	1	0	1
Cryptosporidiosis	4	3	6	6
Dengue Fever	0	0	0	1
E. coli Shiga Toxin Positive	0	0	7	1
E.Coli O157 H7	0	2	5	0
Ehrlichia Chaffeensis	13	9	11	6
Giardiasis	1	0	3	3
Haemophilus Influenzae, Invasive	1	0	4	0
Hemolytic Uremic Syndrome	0	0	2	2
Hepatitis B	3	8	3	3
Hepatitis B (Pregnancy) Prenatal	0	3	2	0
Hepatitis B Acute	2	3	2	3
Hepatitis B Chronic Infection	6	7	9	2
Hepatitis C	0	1	1	6
Hepatitis C Chronic Infection	83	67	64	26
Legionellosis	0	3	3	7
Lyme	0	5	1	0
MOTT	7	10	6	5
Pertussis	2	0	1	4
Rabies Post Exposure Prophylaxis	4	2	2	1
Rocky Mountain Spotted Fever	2	7	22	9
Salmonellosis	11	6	15	16
Shigellosis	0	0	1	1
Strep Disease, Group A Invasive	1	2	1	1
Strep Pneumoniae, Drug-Resistant	0	0	0	1
TB Disease	1	4	2	1
TB Infection	17	26	29	29
Tetanus	0	0	1	0
Toxic Shock (Staph) Syndrome	0	1	0	0
Tularemia	0	1	2	0
Varicella (Chickenpox)	3	7	9	6
Total Cases Per Year	177	195	247	180

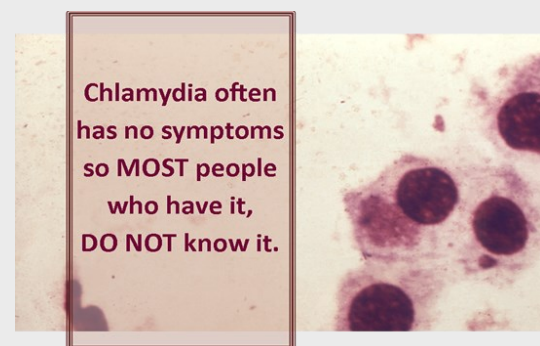
2016 more than 2015	
2016 less than 2015	

**Sexually transmitted Diseases
Jasper County, January-July 2016**

	Total
Chlamydia	365
Gonorrhea	63
Syphilis	1
Total	429

Jasper County has had a total of 429 sexually transmitted disease (STD) cases from January to July 2016. Chlamydia was overwhelmingly the most occurring STD with 365 cases, followed by gonorrhea and syphilis respectively. Joplin City Health Department provides testing of STDs for individuals experiencing symptoms. To make an appointment, call 417-623-6122. Jasper County Health Department provides free STD testing to residents of Jasper County who live outside the city limits of Joplin. Testing is done on Tuesdays by appointment. To schedule an appointment, call 417-358-3111.

Source: DHSS



Source: DHSS

TB Services:

TB (tuberculosis) testing is offered at the Joplin City Health Department on Mondays from 12:30pm-3:30pm. It is a walk-in clinic, no appointment is necessary. The nurse will then give you a time frame to return on Wednesday of the same week to perform the reading. The fee for TB testing is \$15.00. Contact (417) 623-6122 for further questions.

TB testing is offered at the Jasper County Health Department by appointment only for employment, school, immigration, and medical referral. The fee for tuberculin skin testing is \$15.00. Contact (417) 358-3111 for further information or to schedule an appointment.

Everyone 6 months
of age and older
should get a flu vaccine
every season.



GET YOUR FLU VACCINE!

Source: [CDC](#)

Flu Season is Coming

Be prepared for this year's flu season by getting vaccinated!

Residents in the City of Joplin now have another option for vaccinations! Fees for these vaccinations are dependent upon insurance coverages and will be processed through a program called Vaxcare. This program allows the Joplin City Health Department to accommodate all residents, children and adults. Staff will obtain insurance information and check for eligibility. The Department has flu vaccine for all ages, 6 months and older, including that for pregnant women. Many insurances pay no co-pay. Uninsured children and adults may qualify for flu vaccinations with a \$10 co-pay. Active Medicaid children pay no co-pay. Appointments are needed. To schedule call: (417) 623-6122 ext. 266, 257, or 254.

Jasper County Health Department also has flu vaccinations available through the Vaxcare program. Please call (417) 358-3111 or (877) 879-9131 to schedule an appointment.

- ◆ Vaccines for 6 months-35 months of age is \$36.00/dose—Pediatric Quadrivalent Vaccine
- ◆ Vaccines for 36 months-64 years of age is \$32.00/dose—Quadrivalent Vaccine
- ◆ Vaccine for 65 years of age and above is \$52.00/dose—This is the High Dose Vaccine
- ◆ Pneumonia Vaccine: Pneumovax 23 is \$89.00/dose and Prevnar 13 is \$170.00/dose

Contact Us:

Joplin City Health Department
321 E 4th Street
Joplin, MO 64801

Phone: 417-623-6122

Fax: 417-624-6453

www.joplinhealthdepartment.org

Like Us on Facebook:

<https://www.facebook.com/joplinhealthdepartment/>

Jasper County Health Department
105 Lincoln Street
Carthage, MO 64836

Phone: 417-358-3111

Toll-Free: 1-877-879-9131

<http://health.jaspercounty.org/>

Like Us on Facebook

<https://www.facebook.com/JasperCountyHealthDept>

If you have any comments, contact:
Jillian Pollard, B.S.
Community Health Planner/Educator

Regional Epidemiologist

Joplin City Health Department

Jasper County Health Department

jpollard@joplinmo.org

Office: 417-623-6122

Fax: 417-624-6453