

Communicable Diseases

July 2011

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Monthly Newsletter

For Joplin City and Jasper County

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Multistate Outbreak of *Salmonella* Heidelberg

CDC is working in collaboration with state, local public health officials and the U.S. Department of Agriculture's Food Safety and Inspection Service to investigate a multistate outbreak of *Salmonella* Heidelberg infections.

Eating ground turkey has been indicated as the likely source of the outbreak.

The outbreak strain of *Salmonella* Heidelberg is resistant to many commonly prescribed antibiotics which can increase the risk of hospitalization or treatment failure in infected individuals.

A total of 78 persons infected with *Salmonella* Heidelberg have been reported from 26 states between March 1 and August 3, 2011.

Two cases of *Salmonella* Heidelberg have been reported in Missouri. None of the salmonella infection strain has been reported locally (Joplin City/Jasper County).



Among persons for whom information is available, illnesses began on or after March 9, 2011. Ill persons range in age from less than 1 year to 88 years old, with a median age of 23 years old. Among the 58 ill persons with available information, 22 (38%) have been hospitalized. One death has been reported.

Source: CDC

(See U.S. case count map in p. 4)

Learn more at: <http://www.cdc.gov/salmonella/heidelberg/o80111/index.html>

Ground Turkey Recall

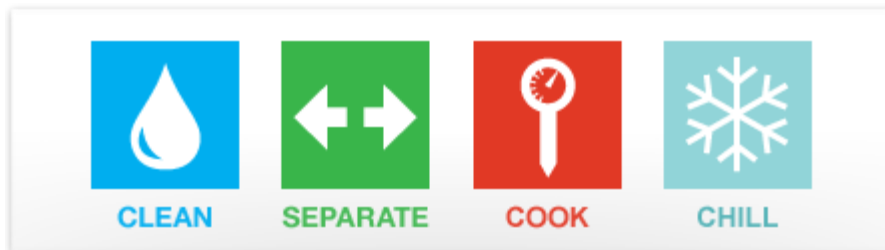
Cargill Meat Solutions Corporation, a Springdale, Ark. establishment, is recalling approximately 36 million pounds of ground turkey products that may be contaminated with a multi-drug resistant strain of the *Salmonella* Heidelberg, the U.S. Department of

Agriculture's Food Safety and Inspection Service. Consumers should check their homes for recalled ground turkey products. [Click here to see the recall list.](#)

Source: [USDA](#)

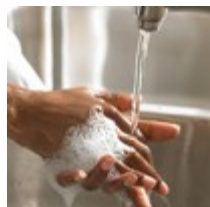


New campaign to prevent foodborne disease



A new national multimedia public-service campaign called **Food Safe Families** was just launched with the goal of reducing food-related illnesses in homes. This campaign, which coincides with the summer grilling and outdoor-eating season, is a joint effort of the US Department of Agriculture's Food Safety and Inspection Service, the Food and Drug Administration, the Centers for Disease Control and Prevention (CDC), and the Ad Council. Aimed at making consumers pay attention to their food-handling practices, a series of actions called "**Check Your Steps**" urges them to focus on four key precautions: clean, separate, cook, and chill. CDC estimates that one in six Americans are sickened every year by foodborne illnesses. The last several years have seen high profile outbreaks in peanuts, eggs, and produce.

See the Check Your Steps campaign at www.foodsafety.gov/keep/basics/index.html.



Food Safe Families Campaign

Clean

Unless you wash your hands, utensils, and surfaces the *right* way, you could spread bacteria to your food, and your family.

Separate

Use separate cutting boards and plates for produce and for meat, poultry, seafood, and eggs. Use one cutting board for fresh produce, and one for raw meat, poultry, or seafood. Use separate plates and utensils for cooked and raw foods.

Cook

Cook food to the right temperature. Color and texture alone won't tell you whether your food is done. Instead, use a food thermometer to be sure. Keep food hot after cooking (at 140° F or above). Microwave food thoroughly (to 165° F).

Chill

Refrigerate perishable foods within two hours. Never thaw or marinate foods on the counter. Know when to throw food out.

Source:

<http://www.foodsafety.gov/keep/basics/index.html>

STD Report in Joplin City and Jasper County: Jan-June 2011

Summary Report

- ◆ There were 324 STDs (208 in Joplin and 116 in Jasper County) reported from January through June 2011.
- ◆ Females had higher reported STD cases than males in both jurisdictions. Of the 324 reports in Joplin City and Jasper County, 238 were females and 86 were males.
- ◆ Of the 324 reports, 247 were aged between 15-24 years while 71 were between 25-40 years. Four cases were above 40 years while 2 were under 15 years old.
- ◆ Of the 324 reports since January, 289 were chlamydia, 34 were gonorrhea and one was syphilis.

***Data presented is preliminary and subject to change.

Communicable Diseases Monthly Report

Table 1

**Cumulative Communicable Conditions from January thru July:
Joplin City & Jasper County: 2010 & 2011.**
(Data includes confirmed, probable and suspect cases)

CONDITION / YEAR BY LPHA	JOPLIN		JASPER	
	2010	2011	2010	2011
CAMPYLOBACTERIOSIS	11	3	84	23
COCCIDIOIDOMYCOSIS	1	0	0	1
CRYPTOSPORIDIOSIS	3	0	4	1
E. COLI SHIGA TOXIN	1	0	2	7
EHRlichia CHAFFEENSIS	0	0	1	1
EHRlichia EWINGII	0	0	1	0
GIARDIASIS	1	3	4	4
HEPATITIS B (PREGNANCY)	1	1	0	0
HEPATITIS B (ACUTE)	3	6	3	4
HEPATITIS B (CHRONIC)	3	1	2	4
HEPATITIS C (ACUTE)	0	0	1	2
HEPATITIS C (CHRONIC)	49	21	35	9
LEGIONELLOSIS	0	1	0	1
MENINGOCOCCAL DISEASE	1	0	0	1
MYCOBACTERIUM OTHER THAN TB	3	1	2	3
PERTUSSIS	1	0	3	1
RABIES POST EXPO PROPHYLAXIS	0	2	1	1
ROCKY MOUNTAIN SPOTTED FEVER	1	4	0	11
SALMONELLOSIS	5	5	7	9
SHIGELLOSIS	4	44	1	23
STREP DISEASE (GROUP A)	1	0	0	1
TB DISEASE	1	1	0	0
TB INFECTION	5	7	22	22
TOXIC SHOCK (STAPH) SYNDROME	0	0	0	1
VARICELLA (CHICKENPOX)	0	1	8	8

Source: Crystal Reports, DHSS. Data is preliminary and may be subject to change

Communicable Disease/Conditions Overview

Rocky Mountain Spotted Fever (RMSF) cases from both Joplin and Jasper County were higher than the same period for 2010. Four cases have been reported in Joplin City while 11 have been reported in Jasper County as of August 1. RMSF is a common tick-borne illness and is primarily transmitted through the bite of the American dog tick (shown alongside). Cases are usually observed from April through early October.



Ehrlichiosis Alert in Missouri

The Missouri Department of Health and Senior Services alerts health care providers that reports of ehrlichiosis illnesses through July 12, 2011 are 21% higher than for the same period, on average, for the years 2006 through 2010.

Ehrlichiosis is an acute infection similar in initial presentation to many viral and bacterial febrile illnesses, including Rocky Mountain spotted fever (RMSF). Peak transmission of tick-borne *Ehrlichia* species can continue into early August. Active transmission in Missouri typically is observed from late April through early October.

Ehrlichiosis is a tick-borne rickettsial disease transmitted primarily through the bites of the lone star tick. The rickettsial disease agents most frequently reported in Missouri are *Ehrlichia chaffeensis* (ehrlichiosis); *Ehrlichia ewingii* (ehrlichiosis); and *Rickettsia rickettsii* (RMSF).

Ehrlichiosis and RMSF can cause severe illness and death in otherwise healthy adults and children. Diagnosis of these illnesses must be made on the basis of clinical signs and symptoms, and can later be confirmed using specialized laboratory tests. Delay in diagnosis and treatment is associated with more severe illness and death. Case-fatality rate for patients with weak immune system is higher than case-fatality rate reported for the general population.

Source: DHSS

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TRAININGS AND EVENTS

SEXUALLY TRANSMITTED DISEASES (STDs) INSERVICES

The Bureau of HIV/STD/Hepatitis will provide several “Preventing the Spread of Sexually Transmitted Diseases” inservices throughout the state. Topics will include: gonorrhea, syphilis, partner elicitation, Missouri Infertility Prevention Project (MIPP), and the new Centers for Disease Control and Prevention (CDC) treatment guidelines.

Dates include:

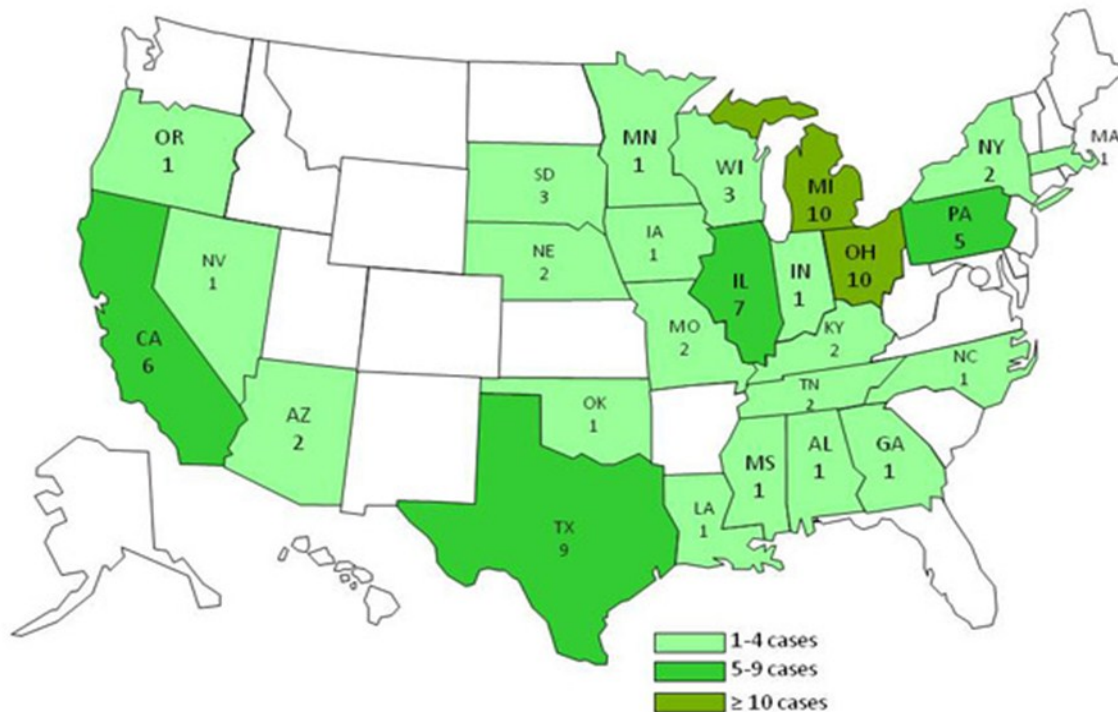
- ◆ November 8, 2011 in Springfield, MO.
- ◆ November 9, 2011 in Joplin, MO.

ONE IS TOO MANY WORKSHOP: August 18, 2011

– **Springfield Library Center—4653 South Campbell Avenue**

The Bureau of HIV, STDs, and Hepatitis *One is Too Many* leadership team will be conducting a workshop about: Hepatitis A, B, and C Viral Marker identification and interpretation, Viral Hepatitis B and C, syphilis/congenital syphilis, and HIV disease, prevention, and treatments related to perinatal issues. There is no registration fee and lunch will be provided. The workshop will begin at 8:30 a.m. and end at 4:30 p.m. For questions, feel free to call Amanda or Libby Landrum at 573-751-6439.

Persons infected with the outbreak strain of *Salmonella* Heidelberg, by state as of Aug 1, 2011*



“Life is like riding a bicycle. To keep your balance, you must keep moving”

Albert Einstein