
Outbreak of Multidrug-Resistant *Salmonella* 4,[5],12:i:- Infections Linked to Pork

Posted August 28, 2015 2:15 PM ET

Highlights

- **Read the Recall & Advice to Consumers, Restaurants, and Retailers »**
- The Washington State Department of Health and Public Health—Seattle & King County, with CDC and the U.S. Department of Agriculture's Food Safety and Inspection Service (USDA-FSIS), continue to investigate an outbreak of *Salmonella* 4,[5],12:i:- infections linked to pork products in Washington.
- As of August 27, 2015, 152 people infected with the outbreak strains of *Salmonella* 4,[5],12:i:- have been reported from Washington.
 - 24 ill people have been hospitalized. No deaths have been reported.
- Epidemiologic, laboratory, and traceback findings have identified pork produced by Kapowsin Meats as a likely source of this outbreak of *Salmonella* 4,[5],12:i:- infections. This investigation is ongoing.
- On August 27, 2015, Kapowsin Meats issued an expanded recall (<http://www.fsis.usda.gov/wps/portal/fsis/topics/recalls-and-public-health-alerts/recall-case-archive/archive/2015/recall-110-2015-release-expansion>) of approximately 523,380 pounds of pork products that may be contaminated with *Salmonella* 4,[5],12:i:-.
 - Recalled pork products include whole pigs for barbeque and fabricated pork products including various pork offal products, pork blood, and pork trim.
 - Pork products were produced on various dates between April 18, 2015 and August 26, 2015.
 - Products subject to recall bear the establishment number "Est. 1628" inside the USDA mark of inspection.
 - This recall (<http://www.fsis.usda.gov/wps/portal/fsis/topics/recalls-and-public-health-alerts/recall-case-archive/archive/2015/recall-110-2015-release>) expands the August 13, 2015 Kapowsin Meats recall of approximately 116,262 pounds of whole pigs.
- Consumers should check their homes and freezers for the recalled pork products and should not cook or eat them. Retailers should not sell these products and restaurants should not serve them.

- Consumers with questions regarding the recall can contact John Anderson at Kapowsin Meats at (253) 847-1777.
- CDC's National Antimicrobial Resistance Monitoring System (<http://www.cdc.gov/narms/>) (NARMS) laboratory conducted antibiotic resistance testing on clinical isolates collected from 10 ill people infected with one of the outbreak strains.
 - All 10 isolates (100%) were multidrug resistant. This included resistance to ampicillin, streptomycin, sulfisoxazole, and tetracycline.
 - Antibiotic resistance may be associated with increased risk of hospitalization, development of a bloodstream infection, or treatment failure in patients.
 - CDC's NARMS laboratory continues to conduct antibiotic resistance testing on additional isolates, and results will be reported when they are available.

August 28, 2015

Case Count Update

As of August 27, 2015, 152 ill people infected with the outbreak strains of *Salmonella* 4,[5],12:i:- have been reported from Washington. Since the last update on August 14, 18 more ill people have been reported.

Among people for whom information is available, illnesses started on dates ranging from April 25, 2015 to August 12, 2015. Ill people range in age from 1 to 90 years, with a median age of 35. Forty-seven percent of ill people are female. Among 144 ill people with available information, 24 (17%) report being hospitalized. No deaths have been reported.

Illnesses that occurred after August 13, 2015 might not be reported yet due to the time it takes between when a person becomes ill and when the illness is reported. This takes an average of 2 to 4 weeks. Please see the [Timeline for Reporting Cases of *Salmonella* Infection](http://www.cdc.gov/salmonella/reporting-timeline.html) (<http://www.cdc.gov/salmonella/reporting-timeline.html>) for more details.

Investigation Update

Epidemiologic, laboratory, and traceback findings identified pork produced by Kapowsin Meats as a likely source of this outbreak of *Salmonella* 4,[5],12:i:- infections. This investigation is ongoing.

In ongoing interviews, ill people answered questions about foods eaten and other exposures in the week before they became ill. Of 89 people for whom information is available, 65 (73%) reported eating pork in the week before becoming ill. This proportion was significantly

higher than results from a survey

(<http://www.cdc.gov/foodnet/surveys/FNExpAtl03022011.pdf>) of healthy people in which 43% reported eating pork in the week before they were interviewed.

USDA-FSIS (<http://www.fsis.usda.gov/wps/portal/fsis/home/>!

[ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGizOINAg3MDC2dDbwsfDxdDDz9AtyMgnyMDf3r1dmy&page=gov.usda.fsis.internet.newsroom&urile=wcm%3apath%3a%2FFSIS-Content%2Finternet%2Fmain%2Ftopics%2Frecalls-and-public-health-alerts%2Frecall-case-archive%2Farchive%2F2015%2Frecall-110-2015-release-expansion](http://www.fsis.usda.gov/wps/portal/fsis/home/!ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGizOINAg3MDC2dDbwsfDxdDDz9AtyMgnyMDf3r1dmy&page=gov.usda.fsis.internet.newsroom&urile=wcm%3apath%3a%2FFSIS-Content%2Finternet%2Fmain%2Ftopics%2Frecalls-and-public-health-alerts%2Frecall-case-archive%2Farchive%2F2015%2Frecall-110-2015-release-expansion)) has been conducting intensified sampling at Kapowsin Meats while this establishment took steps to address sanitary conditions at their facility after the original recall

(<http://www.fsis.usda.gov/wps/portal/fsis/topics/recalls-and-public-health-alerts/recall-case-archive/archive/2015/recall-110-2015-release>) on August 13, 2015. Sampling

revealed positive results for *Salmonella* 4,[5],12:i:- on whole pigs for barbeque, associated pork products, and throughout the establishment. Kapowsin Meats has voluntarily suspended operations. As a result of the ongoing investigation, on August 27, 2015, Kapowsin Meats issued an expanded recall

([http://www.fsis.usda.gov/wps/portal/fsis/home/](http://www.fsis.usda.gov/wps/portal/fsis/home/!ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGizOINAg3MDC2dDbwsfDxdDDz9AtyMgnyMDf3r1dmy&page=gov.usda.fsis.internet.newsroom&urile=wcm%3apath%3a%2FFSIS-Content%2Finternet%2Fmain%2Ftopics%2Frecalls-and-public-health-alerts%2Frecall-case-archive%2Farchive%2F2015%2Frecall-110-2015-release-expansion)!

[ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGizOINAg3MDC2dDbwsfDxdDDz9AtyMgnyMDf3r1dmy&page=gov.usda.fsis.internet.newsroom&urile=wcm%3apath%3a%2FFSIS-Content%2Finternet%2Fmain%2Ftopics%2Frecalls-and-public-health-alerts%2Frecall-case-archive%2Farchive%2F2015%2Frecall-110-2015-release-expansion](http://www.fsis.usda.gov/wps/portal/fsis/home/!ut/p/a1/04_Sj9CPykssy0xPLMnMz0vMAfGizOINAg3MDC2dDbwsfDxdDDz9AtyMgnyMDf3r1dmy&page=gov.usda.fsis.internet.newsroom&urile=wcm%3apath%3a%2FFSIS-Content%2Finternet%2Fmain%2Ftopics%2Frecalls-and-public-health-alerts%2Frecall-case-archive%2Farchive%2F2015%2Frecall-110-2015-release-expansion)) of approximately

523,380 pounds of pork products that may be contaminated with *Salmonella* 4,[5],12:i:-.

Recalled pork products include whole pigs for barbeque and fabricated pork products including various pork offal products, pork blood, and pork trim. The products subject to recall bear the establishment number "Est. 1628" inside the USDA mark of inspection and were produced on several dates between April 18, 2015 and August 26, 2015. The products were shipped to various individuals, retail locations, institutions, and distributors in Alaska, Oregon, and Washington.

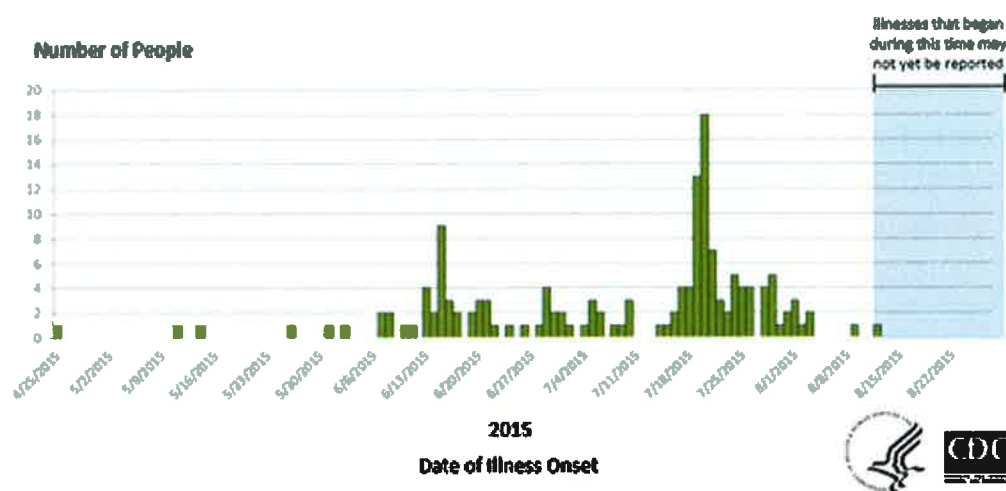
CDC's NARMS laboratory (<http://www.cdc.gov/narms/>) conducted antibiotic resistance testing on clinical isolates collected from 10 ill people infected with one of the outbreak strains. Of the 10 isolates tested, all (100%) were multidrug resistant. This included resistance to ampicillin, streptomycin, sulfisoxazole, and tetracycline. Antibiotic resistance may be associated with increased risk of hospitalization, development of a bloodstream infection, or treatment failure in patients. CDC's NARMS laboratory continues to test additional isolates. Results will be reported when they become available.

CDC and state and local public health partners are continuing laboratory surveillance through PulseNet to identify additional ill people and to interview them. Updates will be provided when more information is available.

> Initial Announcement

At A Glance

- Case Count: 152
- States: 1
- Deaths: 0
- Hospitalizations: 24
- Recall: Yes



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More Information

- Recall & Advice to Consumers
- Signs & Symptoms
- Key Resources

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(<http://www.cdc.gov/Other/plugins/>)

(<http://www.cdc.gov/Other/plugins/#pdf>)

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Content source: Centers for Disease Control and Prevention (<http://www.cdc.gov/>)

National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) (</ncezid/index.html>)

Division of Foodborne, Waterborne, and Environmental Diseases (DFWED) (</ncezid/dfwed/index.html>)