

Salmonella Enteritidis 1111TXJEG-1 Cluster

Updated Numbers
January 10, 2012

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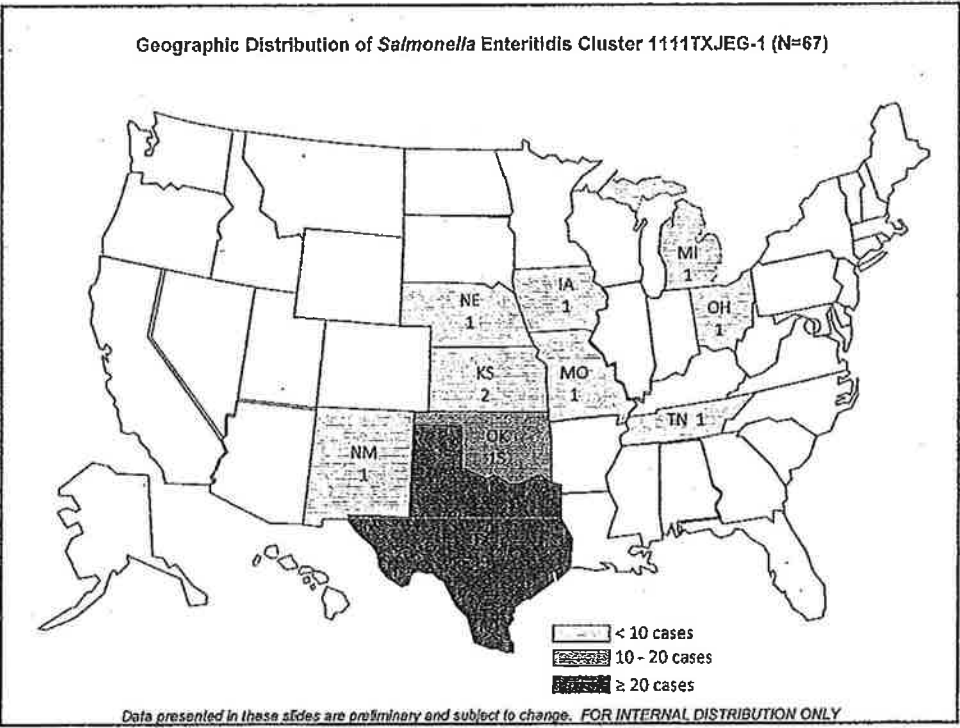
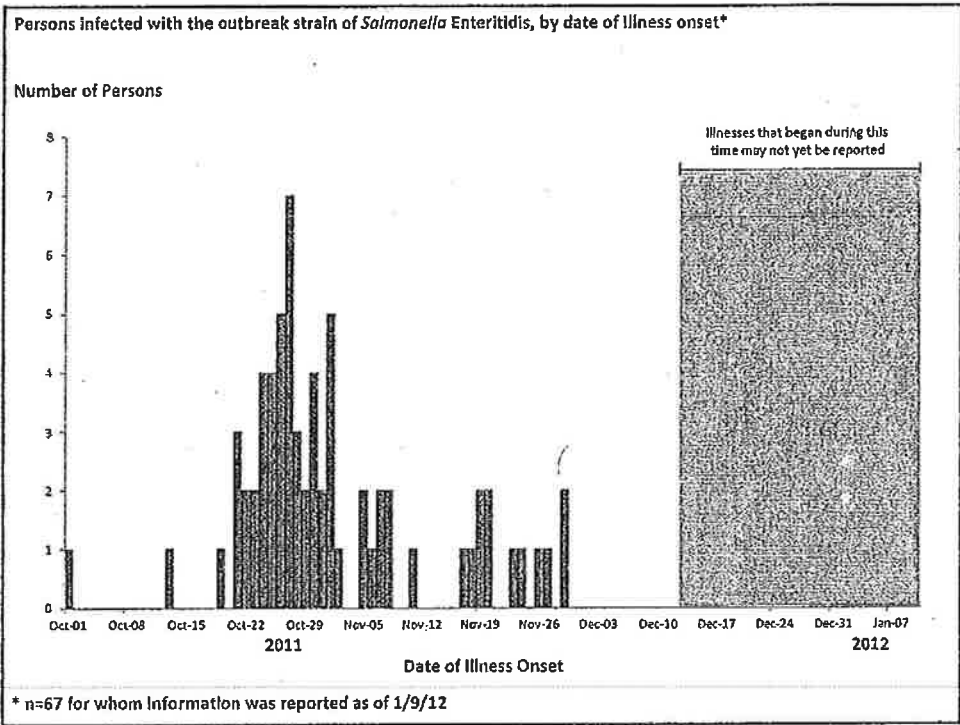
Salmonella Enteritidis 1111TXJEG-1 cluster, as of January 10, 2012

Total Case Count

State	Count
IA	1
KS	2
MI	1
MO	1
NE	1
NM	1
OH	1
OK	15
TN	1
TX	43
Grand Total	67

- Confirmed Case Definition:
 - illness in a patient with *Salmonella* Enteritidis infection,
 - with PulseNet upload dates on October 31, 2011 – present, and
 - With stool isolate matching PFGE XbaI pattern JEGX01.0012 and Bln pattern JEGA26.003 or pending
- 67 cases in 10 states
- Age: Median Age= 25 (Range <1 to 79)
- Sex: 55% Female
- Isolation Dates: October 24, 2011 – December 12, 2011
- Onset Dates: October 13 – November 29, 2011
- Hospitalizations: 32%

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Case-series and case-control investigations

• Case-series investigation

- 60 confirmed cases interviewed

• Case-Control investigation

- 48 cases enrolled
- 103 controls enrolled
- All 10 states
 - 29 of 48 (62%) cases report TB
 - 17 of 103 (17%) controls report TB
 - Taco Bell mOR = 9.24 (CI 3.38 - 31.56; P<0.0001)
- Contiguous states (TX, OK, NE, MO, KS, IA)
 - 29 of 47 (62%) cases report TB
 - 15 of 100 (15%) controls report TB
 - Taco Bell mOR = 11.86 (CI 3.99 - 47.79; P<0.0001)
- Only TX and OK
 - 26 of 44 (59%) cases report TB
 - 15 of 97 (15%) controls report TB
 - Taco Bell mOR = 8.59 (CI 3.12 - 29.53; P<0.0001)

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Data Slides

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Case and control restaurant exposures for case patients from contiguous states*

Restaurant	Cases (N)	%	Controls (N)	%	Matched Odds Ratio	Lower CI	Upper CI	P value
TACO BELL	29	62	15	15	11.8550	3.9850	47.7910	<.0001
MCDONALDS	18	34	40	40	0.9380	0.3760	2.2870	1.0000
LITTLE CAESARS	10	21	15	15	1.3920	0.4860	3.8670	0.6311
SUBWAY	10	21	22	22	0.9510	0.3210	2.7520	1.0000
WHATABURGER	8	17	18	18	0.7840	0.2450	2.3570	0.8228
WENDYS	7	15	10	10	1.8160	0.4720	6.7470	0.4607
PIZZA HUT	6	13	14	14	0.6590	0.1740	2.1140	0.6276
GOLDEN CORRAL	4	9	12	12	0.7720	0.1630	2.9850	0.9340
CHICKFILA	4	9	14	14	0.6260	0.1360	2.3170	0.6447
SKEETS	3	6	4	4	6.2900	0.4400	360.557	0.2440
ABUELOS	3	6	2	2	3.9500	0.4260	49.3330	0.2844
TACO CASA	2	4	3	3	2.9240	0.3070	37.8010	0.4750
JASONS DELI	3	6	6	6	1.0860	0.0900	8.3190	1.0000
CHIUS	3	6	13	13	0.5330	0.0860	2.2940	0.5879
BURGER KING	3	6	9	9	0.2530	0.0060	1.9860	0.3141
ARBYS	2	4	4	4	1.0000	0.0850	7.4870	1.0000
OLIVE GARDEN	2	4	6	6	0.7650	0.0710	4.5780	1.0000
CHEDDARS	2	4	5	5	0.8850	0.0690	7.2520	1.0000
JACK IN THE BOX	2	4	6	6	0.5880	0.0510	3.9870	0.8594
CARLS JR	1	2	2	2	1.0000	0.0150	21.2740	1.0000
A&W	1	2	3	3	0.5350	0.0100	7.3270	1.0000
TACO CABANA	1	2	5	5	0.4620	0.0090	4.4850	0.8571
KFC	1	2	6	6	0.2690	0.0060	2.3490	0.3867

*Including only cases with matched controls from:
TX, OK, NE, KS, MO, IA

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Case and control restaurant exposures for case patients from TX or OK

Restaurant	Cases (N)	%	Controls (N)	%	Matched Odds Ratio	Lower CI	Upper CI	P value
TACO BELL	26	59	15	15	8.5920	3.1150	29.5300	<.0001
SKEETS	3	7	4	4	6.2900	0.4400	360.557	0.2440
ABUELOS	3	7	2	2	3.9500	0.4260	49.3330	0.2844
LITTLE CAESARS	9	20	19	19	1.3970	0.3950	3.8990	0.9012
MCDONALDS	14	32	40	40	0.8190	0.3190	2.0340	0.7979
WENDYS	6	14	11	11	1.2810	0.3100	4.7590	0.8922
TACO CASA	3	7	3	3	2.9240	0.3070	37.8010	0.4750
WHATABURGER	8	18	18	18	0.7840	0.2450	2.3570	0.8228
SUBWAY	9	20	23	24	0.7560	0.2420	2.1860	0.7531
PIZZA HUT	5	11	13	13	0.6980	0.1920	2.2940	0.7161
GOLDEN CORRAL	4	9	12	12	0.7720	0.1630	2.9850	0.9340
CHICKFILA	4	9	14	14	0.6260	0.1360	2.3170	0.6447
JASONS DELI	3	7	5	5	1.3960	0.1050	13.6440	1.0000
CHIUS	3	7	15	15	0.4550	0.0750	1.8040	0.3872
CHEDDARS	2	5	5	5	0.8850	0.0690	7.2520	1.0000
JACK IN THE BOX	2	5	6	6	0.5880	0.0510	3.9870	0.8594
CARLS JR	1	2	2	2	1.0000	0.0150	21.2740	1.0000
TACO CABANA	1	2	5	5	0.4620	0.0090	4.4850	0.8571
A&W	1	2	4	4	0.4430	0.0080	4.8770	0.8438
OLIVE GARDEN	0	0	6	6	0.3590	0.0070	3.1650	0.6075
ARBYS	1	2	6	6	0.3140	0.0060	3.0160	0.5273
KFC	1	2	8	8	0.2140	0.0050	1.7480	0.2285
BURGER KING	2	5	11	11	0.2050	0.0050	1.5530	0.1852

*Including only cases with matched controls in the case-control study

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Case and control restaurant exposures for ALL enrolled*

	Cases (n)	%	Controls (N)	%	Matched [†] Odds Ratio	Lower CI	Upper CI	P value
TACO BELL	25	60	17	17	9.2380	3.3600	31.5580	<.0001
MCDONALDS	16	33	42	41	0.8660	0.3520	2.0720	0.8852
LITTLE CAESARS	10	21	15	15	1.3920	0.4850	3.8570	0.6311
SUBWAY	10	21	23	22	0.9100	0.3090	2.5400	1.0000
WHATABURGER	8	17	18	17	0.7840	0.2450	2.3570	0.6228
WENDYS	7	15	12	12	1.4780	0.3970	5.1920	0.6764
PIZZA HUT	6	13	14	14	0.6590	0.1740	2.1140	0.6276
GOLDEN CORRAL	4	8	12	12	0.7720	0.1630	2.9850	0.9340
CHICKFILA	4	8	14	14	0.6260	0.1360	2.3170	0.6447
SKEETS	3	6	4	4	6.7900	0.4400	360.557	0.2440
ABUELOS	3	6	2	2	3.9500	0.4260	49.3330	0.2844
TACO CASA	3	6	3	3	2.9240	0.3070	37.8010	0.4250
JASONS DELI	3	6	6	6	1.0860	0.0900	8.3190	1.0000
CHILIS	3	6	15	15	0.4550	0.0750	1.8940	0.3872
BURGER KING	3	6	11	11	0.2050	0.0050	1.5530	0.1852
OLIVE GARDEN	2	4	6	6	0.7650	0.0710	4.5780	1.0000
CHEDDARS	2	4	5	5	0.8850	0.0690	7.2520	1.0000
ARBYS	2	4	6	6	0.7010	0.0630	4.6200	1.0000
JACK IN THE BOX	2	4	6	6	0.5880	0.0510	3.9870	0.8594
CARLS JR.	1	2	2	2	1.0000	0.0150	21.2740	1.0000
TACO CABANA	1	2	5	5	0.4620	0.0090	4.4850	0.8571
A&W	1	2	4	4	0.4430	0.0080	4.8770	0.8438
KFC	1	2	8	8	0.2140	0.0050	1.7490	0.2289

*Including only cases with matched controls in the case-control study

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