

NORS

National Outbreak Reporting System

NORS Report

1/5/2024

**AGENCY**

Massachusetts Department of Public Health

STATUS

Active

Report Summary

CDCID	[REDACTED]
Owner	GChiumento
Created	1/3/2024
Reporting Year	2023

Outbreak

Primary mode of transmission	Food
First case became ill	5/1/2023 12:00:00 AM
Last case became ill	5/1/2023 12:00:00 AM
Initial exposure	5/1/2023 12:00:00 AM
Last exposure	5/1/2023 12:00:00 AM
Notification to State/Territory or Local/Tribal Health Authorities	5/1/2023 12:00:00 AM
Outbreak investigation began	5/1/2023 12:00:00 AM

Geographic Location

Exposure occurred in a single state

Exposure State

Massachusetts

Primary Cases

Primary Case Counts

Primary Case Counts	Number
Lab-confirmed	101
Probable	26
Estimated total	127

Sex

Number or percent of the primary cases

Male	72
Female	55
Unknown sex	0

If outbreak occurred during >1 calendar year, # cases per year

Year	Estimated Total Cases	Lab Confirmed Cases	Probable Cases
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Age

Number or percent of the primary cases

<1 year	0
1-4 years	0
5-9 years	■
10-17 years	9
18-49 years	107
50-64 years	7
65-74 years	■
75+ years	0
Unknown	■

Signs or Symptoms

Sign or Symptom	# cases	# cases with info available
Abdominal cramps	127	127
Bloody stools	0	0
Diarrhea	127	127
Fever	0	0
Vomiting	0	0

Incubation Period

Unknown incubation period among primary cases

Number of cases with info available

Duration of Illness

Unknown duration of illness among recovered primary cases

Number of cases with info available

Healthcare-Seeking Behaviors

Behavior	# cases	# cases with info available
Visited Indian Health Service or tribal facility	0	0
Visited health care provider	101	127
Visited emergency department	0	0

Primary Case Outcomes

Outcome	# cases	# cases with info available
Disseminated infection	0	0
Pregnancy loss	0	127
Died	0	127
Hospitalized	12	127
Hemolytic uremic syndrome (HUS)	0	127

Case Characteristics

Characteristic	# cases	# cases with info available
Were immunocompromised	0	0
Attended or worked in a child daycare	0	0
Were experiencing homelessness	0	0
Were exposed in the workplace	1	127

Travel

The outbreak was not associated with the source case-patient (e.g., food worker) traveling internationally.

Case characteristics remarks



Secondary Cases

Mode of Secondary Transmission

Secondary Case Counts

Secondary Case Counts	0
Probable secondary cases	0
Estimated total secondary cases	0

Estimated Total Cases (Primary + Secondary):

Secondary Case Outcomes

Outcome	# cases	# cases with info available
<i>No Case Outcomes provided</i>		

Laboratory and Environmental Investigation

Sample Collection and Testing

Samples were tested.

Sample Type	Tested
Human	Yes
101 persons including food workers tested	
Food Worker	Yes
Animal	No
Food	Yes
Water	No
Other Environmental	No

Human samples tested for:	Bacterium/bacteria or bacterial toxin(s)
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Animal, food, water, other environmental samples tested for:	Bacterium/bacteria or bacterial toxin(s)
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Human sample test types:	Culture	DNA or RNA amplification/detection
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DNA or RNA
amplification/detecti
on

Etiology and Isolates

- Confirmed

[illegible]

PulseNet

Enteritidis

Human

PulseNet

Enteritidis

Human

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Human

Settings

Setting(s) of Exposure

All settings where food was eaten:

Restaurant: "Fast-food"
(drive up service or pay
at counter)

Setting of exposure remarks

Setting(s) of Preparation

All settings where food was prepared

Restaurant: "Fast-food" (drive up
service or pay at counter)

Setting of preparation remarks

Associated Events

Exposure WAS NOT associated with a specific event(s) or gathering(s)

Long-term Care Outbreaks

Types of care affected:

School Outbreaks

Grades affected

Funded schools

Number of schools

Public

Private

Unknown

Correctional or Detention Facility Outbreaks

Facility name:

Facility run by:

Facility type:

Inmate food workers prepare food:

Other food workers prepare food:

Contamination from Inmate food workers

Contamination from Other food workers

Food Section

Food Vehicle

Food vehicle not determined

Name of food:

Vehicle confirmed or suspected:

Reason(s) confirmed or suspected:

Ingredient(s)

Ingredient

Contaminated

Not Contaminated

Method of processing:

Level of preparation:

Method of preparation & service
:

Type of packaging:

Imported contaminated food:

Product produced under U.S.
domestic regulatory oversight:

Product sold under U.S. domestic
regulatory oversight:

Reasons supporting foodborne: **Epidemiologic evidenc**

Food Contributing Factors

Contamination Factors:

No Contamination factors

Reason no contamination source: **None identified**

Factor Name	Source(s)
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Proliferation Factors: Bacterial and fungal outbreaks only:

No Proliferation factors

Reason no proliferation source: **None identified**

Factor Name	Source(s)
-------------	-----------

Survival Factors: Bacterial, viral, parasitic, and fungal outbreaks only:

No Survival factors

Reason no survival source: **None identified**

Factor Name	Source(s)
-------------	-----------

Food Contributing Factors Remarks

Traceback & Recall

Traceback Investigation

Include all traceback points that played a role in the contamination of the implicated vehicle or helped amplify or

spread the contaminant, and any details regarding the implicated point of service/sale

Traceback Point

Federal Agencies

Recall

Food Product was recalled

Exact item(s) recalled:

Link to official recall announcement(s):

Comments:

Outbreak Detection & Investigation Methods

Outbreak Detection

Outbreak initially detected by Routine public health surveillance interview

Investigation Methods

Epidemiologic Interviews only of ill persons
Cohort study

Environmental Food preparation review
Environmental, food, water, animal, or sample testing

Traceback

Investigation Comments

Other Linked CDC Systems

System System Id

Interventions

Facility/site/venue and equipment

Intervention Type Point of exposure Other points of intervention

Facility / site / venue deep cleaned	Recommended and implemented
Equipment acquired, adjusted, repaired, replaced, or discarded	Recommended and implemented
Facility / site / venue closed (for at least 1 day)	Recommended and implemented
Facility / site / venue physically or structurally modified	Recommended and implemented
Cleaning protocol modified	Recommended and implemented
Equipment deep cleaned	Recommended, unknown if implemented

People

Intervention Type	Point of exposure	Other points of intervention
Ill workers excluded	Recommended and implemented	
Asymptomatic persons' stools screened (e.g., for exclusion)	Recommended and implemented	
Ill workers restricted	Recommended and implemented	
Education / training (e.g., hand washing, certification)	Recommended and implemented	

Animal

Intervention Type	Point of exposure	Other points of intervention
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Food

Intervention Type	Point of exposure	Other points of intervention
Food discarded	Recommended and implemented	

Water

Intervention Type	Point of exposure	Other points of intervention
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Other

Intervention Type	Point of exposure	Other points of intervention
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Public communications released for this outbreak

Remarks

No formal communication, but responses were provided to media inquiries

Remarks

General Remarks:

NORS

National Outbreak Reporting System

NORS Report

1/5/2024

**AGENCY**

Massachusetts Department of Public Health

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Outbreak investigation began	6/1/2023 12:00:00 AM

Geographic Location

Exposure occurred in a single state

Exposure State

Massachusetts

Primary Cases

Primary Case Counts

Primary Case Counts	Number
Lab-confirmed	
Probable	
Estimated total	23

Sex

Number or percent of the primary cases

Male	13
Female	10

If outbreak occurred during >1 calendar year, # cases per year

Year	Estimated Total Cases	Lab Confirmed Cases	Probable Cases
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Age

Number or percent of the primary cases

10-17 years	
18-49 years	19
Unknown	

Signs or Symptoms

Sign or Symptom	# cases	# cases with info available
Diarrhea	23	23

Incubation Period

Unknown incubation period among primary cases

Number of cases with info available

Duration of Illness

Unknown duration of illness among recovered primary cases

Number of cases with info available

Healthcare-Seeking Behaviors

Behavior	# cases	# cases with info available
Visited Indian Health Service or tribal facility		23
Visited health care provider		23

Visited emergency department

15

23

Primary Case Outcomes

Outcome	# cases	# cases with info available
Disseminated infection	23	23
Pregnancy loss	23	23
Died	23	23
Hospitalized	23	23
Hemolytic uremic syndrome (HUS)	23	23

Case Characteristics

Characteristic	# cases	# cases with info available
Were immunocompromised	23	23
Attended or worked in a child daycare	23	23
Were experiencing homelessness	23	23
Were exposed in the workplace	23	23

Travel

Secondary Cases

Mode of Secondary Transmission

Secondary Case Counts

Secondary Case Counts	0
Probable secondary cases	0
Estimated total secondary cases	0

Estimated Total Cases (Primary + Secondary):

Secondary Case Outcomes

Outcome	# cases	# cases with info available
Died	0	0
Hospitalized	0	0
Hemolytic uremic syndrome (HUS)	0	0

Laboratory and Environmental Investigation

Sample Collection and Testing

Samples were tested.

Sample Type	Tested
Human	Yes
31 persons including food workers tested	
Food Worker	Yes
Animal	No
Food	No
Water	No
Other Environmental	No

Human samples tested for: Bacterium/bacteria or bacterial toxin(s)

Animal, food, water, other environmental samples tested for:

Human sample test types: Culture DNA or RNA amplification/detection

Animal, food, water, other environmental sample test types:

UNKNOWN if CDC NARMS perform antimicrobial susceptibility testing.

Etiology and Isolates

Etiology

Etiology

[illegible]

- Detected In: patient specimen,

Isolates or Strains	Genotype	Phenotype	Antigenicity	Pathogenicity	Virulence	Host Range	Geographical Distribution	Epidemiology	Vaccine Development	Treatment Options	Prevention Measures
<i>Salmonella enterica</i>	Serovar Enteritidis	Gram-negative bacillus	O:4,H:4	Enteric fever	High virulence	Birds, humans	Worldwide	Common	Not available	Antibiotics	Hygiene, food safety
<i>Escherichia coli</i>	Strain O157:H7	Gram-negative bacillus	O157,H7	Hemolytic uremic syndrome	High virulence	Cattle, humans	USA, Canada	Rare	Not available	Supportive care	Safe water consumption
<i>Mycobacterium tuberculosis</i>	H3N2	Acid-fast bacillus	-	Pulmonary disease	Low virulence	Humans	Global	Very common	Vaccines in development	Antitubercular drugs	Respiratory hygiene
<i>Influenza A virus</i>	H1N1	RNA virus	-	Flu-like illness	Low virulence	Humans, pigs	Global	Seasonal outbreaks	Annual vaccines	Antiviral drugs	Vaccination campaigns
<i>Staphylococcus aureus</i>	MSSA	Gram-positive coccus	-	Skin infections	Variable virulence	Humans, animals	Worldwide	Common	Not available	Antibiotics	Aseptic technique
<i>Streptococcus pneumoniae</i>	Strain 9V	Gram-positive diplococcus	-	Pneumonia	High virulence	Humans	Global	Common	Vaccines available	Antibiotics	Vaccination of children
<i>Legionella pneumophila</i>	Serogroup 1	Gram-negative bacillus	-	Lung infection	High virulence	Humans, aquatic environments	Worldwide	Rare	Not available	Antibiotics	Water treatment
<i>Cryptosporidium parvum</i>	Strain 6P	Apicomplexan parasite	-	Gastroenteritis	Low virulence	Cattle, humans	North America	Increasing incidence	Not available	Supportive care	Proper handling of manure
<i>Toxoplasma gondii</i>	Strain ME49	Apicomplexan parasite	-	Neurological disease	Low virulence	Cats, humans	Global	Very common	Not available	Antiparasitic drugs	Cat litter management
<i>Yersinia pestis</i>	Biovar Antiqua	Gram-negative bacillus	O:3	Bubonic plague	High virulence	Rodents, humans	Central Africa	Rare	Not available	Antibiotics	Quarantine measures
<i>Shigella flexneri</i>	Serotype 3	Gram-negative bacillus	O:3	Dysentery	High virulence	Humans	India, Southeast Asia	Common	Not available	Antibiotics	Sanitation improvements
<i>Haemophilus influenzae</i>	Type b	Gram-negative coccobacillus	-	Epiglottitis	High virulence	Humans	Global	Decreasing incidence	Vaccines available	Antibiotics	Vaccination of children
<i>Neisseria meningitidis</i>	Strain 4	Gram-negative diplococcus	O:4	Meningitis	High virulence	Humans	Global	Occasional outbreaks	Vaccines available	Antibiotics	Vaccination of adolescents
<i>Listeria monocytogenes</i>	Strain 80-119	Gram-positive bacillus	-	Food poisoning	High virulence	Animals, humans	Europe, USA	Rare	Not available	Antibiotics	Food safety regulations
<i>Campylobacter jejuni</i>	Serotype 16072	Gram-negative bacillus	O:5	Gastroenteritis	Low virulence	Poultry, humans	Worldwide	Common	Not available	Antibiotics	Safe food preparation
<i>Brucella abortus</i>	Strain S19	Gram-negative coccobacillus	-	Undulant fever	High virulence	Cattle, humans	Global	Decreasing incidence	Vaccines in development	Antibiotics	Animal health monitoring
<i>Moraxella catarrhalis</i>	Strain 1022	Gram-negative coccus	-	Respiratory tract infection	Low virulence	Humans	Global	Common	Not available	Antibiotics	Hand hygiene
<i>Klebsiella pneumoniae</i>	Serotype 64	Gram-negative bacillus	O:6	Pneumonia	Variable virulence	Humans, animals	Worldwide	Increasing resistance	Not available	Antibiotics	Infection control
<i>Acinetobacter baumannii</i>	Strain AB1054	Gram-negative coccobacillus	-	Hospital-acquired infection	High virulence	Humans	Global	Increasing prevalence	Not available	Antibiotics	Strict infection control
<i>Pseudomonas aeruginosa</i>	Strain PAO1	Gram-negative bacillus	O:6	Respiratory infection	High virulence	Humans, plants	Worldwide	Common	Not available	Antibiotics	Environmental hygiene
<i>Stenotrophomonas maltophilia</i>	Strain ATCC 22016	Gram-negative bacillus	-	Immunocompromised patients	High virulence	Humans	Global	Increasing incidence	Not available	Antibiotics	Antiseptic use
<i>Corynebacterium diphtheriae</i>	Strain Gravis	Gram-positive rod	-	Diphtheria	High virulence	Humans	Global	Re-emerging disease	Vaccines available	Antitoxin	Vaccination campaigns
<i>Clostridium botulinum</i>	Strain Hall	Gram-positive rod	-	Botulism	High virulence	Humans, animals	Worldwide	Rare	Not available	Antivenom	Food preservation
<i>Bacillus anthracis</i>	Strain Ames	Gram-positive rod	-	Anthrax	High virulence	Cattle, humans	Global	Re-emerging disease	Vaccines available	Antibiotics	Animal quarantine
<i>Shiga toxin-producing E. coli</i>	Strain O157	Gram-negative bacillus	O157	Renal failure	High virulence	Cattle, humans	North America	Rare	Not available	Supportive care	Safe meat consumption
<i>Group B Streptococcus</i>	Strain 9800	Gram-positive coccus	-	Neonatal sepsis	High virulence	Humans	Global	Common	Vaccines in development	Antibiotics	Maternal screening
<i>Group D Streptococcus</i>	Strain 101	Gram-positive coccus	-	Endocarditis	High virulence	Humans	Global	Uncommon	Not available	Antibiotics	Oral hygiene
<i>Group G Streptococcus</i>	Strain 101	Gram-positive coccus	-	Cellulitis	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Wound care
<i>Group I Streptococcus</i>	Strain 101	Gram-positive coccus	-	Scarlet fever	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Hydration
<i>Group J Streptococcus</i>	Strain 101	Gram-positive coccus	-	Pyoderma	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Topical treatments
<i>Group K Streptococcus</i>	Strain 101	Gram-positive coccus	-	Impetigo	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Wound care
<i>Group L Streptococcus</i>	Strain 101	Gram-positive coccus	-	Cellulitis	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Wound care
<i>Group M Streptococcus</i>	Strain 101	Gram-positive coccus	-	Cellulitis	Low virulence	Humans	Global	Uncommon	Not available	Antibiotics	Wound care
<i>Group N Streptococcus</i>											

[illegible]

PulseNet		Enteritidis	Human
PulseNet		Enteritidis	Human
PulseNet		Enteritidis	Human
PulseNet		Enteritidis	Human

Settings

Setting(s) of Exposure

All settings where food was eaten:

Residence - Single-family home

Restaurant: "Fast-food" (drive up service or pay at counter)

Setting of exposure remarks

Setting(s) of Preparation

All settings where food was prepared

Restaurant: "Fast-food" (drive up service or pay at counter)

Setting of preparation remarks

Associated Events

Exposure WAS NOT associated with a specific event(s) or gathering(s)

Long-term Care Outbreaks

Types of care affected:

School Outbreaks

Grades affected

Funded schools	Number of schools
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Public	
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Private	
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Unknown	
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Correctional or Detention Facility Outbreaks

Facility name:

Facility run by:

Facility type:

Inmate food workers prepare food:

Other food workers prepare food:

Contamination from Inmate food
workers

Contamination from Other food
workers

Food Section

Food Vehicle

Food vehicle not determined

Name of food:

Vehicle confirmed or suspected:

Reason(s) confirmed or suspected:

Ingredient(s)

Ingredient

Contaminated

Not Contaminated

Method of processing:

Level of preparation:

Method of preparation & service
:

Type of packaging:

Imported contaminated food:

Product produced under U.S.
domestic regulatory oversight:

Product sold under U.S. domestic
regulatory oversight:

Reasons supporting foodborne: **Epidemiologic evidenc**

Food Contributing Factors

Contamination Factors:

No Contamination factors

Reason no contamination source: **None identified**

Factor Name	Source(s)
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Proliferation Factors: Bacterial and fungal outbreaks only:

No Proliferation factors

Reason no proliferation source: **None identified**

Factor Name	Source(s)
-------------	-----------

Survival Factors: Bacterial, viral, parasitic, and fungal outbreaks only:

No Survival factors

Reason no survival source: **None identified**

Factor Name	Source(s)
-------------	-----------

Food Contributing Factors Remarks

Traceback & Recall

Traceback Investigation

Include all traceback points that played a role in the contamination of the implicated vehicle or helped amplify or spread the contaminant, and any details regarding the implicated point of service/sale

Traceback Point

Federal Agencies

Recall

Food Product was recalled

Exact item(s) recalled:

Link to official recall announcement(s):

Comments:

Outbreak Detection & Investigation Methods

Outbreak Detection

Outbreak initially detected by Routine public health surveillance interview

Investigation Methods

Epidemiologic Interviews only of ill persons
Case-control study

Environmental Food preparation review

Traceback

Investigation Comments

Other Linked CDC Systems

System

System Id

Interventions

Facility/site/venue and equipment

Intervention Type	Point of exposure	Other points of intervention
Health promotion signage posted	Recommended and implemented	
Facility / site / venue deep cleaned	Recommended and implemented	
Facility / site / venue closed (for at least 1 day)	Recommended and implemented	

People

Intervention Type	Point of exposure	Other points of intervention
Education / training (e.g., hand washing, certification)	Recommended and implemented	
Ill workers restricted	Recommended and implemented	
Asymptomatic persons' stools screened (e.g., for exclusion)	Recommended and implemented	

Animal

Intervention Type	Point of exposure	Other points of intervention
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Food

Intervention Type	Point of exposure	Other points of intervention
Food preparation processes modified	Recommended and implemented	
Food discarded	Recommended and implemented	

Water

Intervention Type	Point of exposure	Other points of intervention
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Other

Intervention Type	Point of exposure	Other points of intervention
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Public communications released for this outbreak

Remarks

Remarks

General Remarks:

NORS

National Outbreak Reporting System

NORS Report

1/8/2024

**AGENCY**

Massachusetts Department of Public Health

STATUS

Active

Report Summary

CDCID	
Owner	ERei
Created	1/3/2024
Reporting Year	2023

Outbreak

Primary mode of transmission	Food
First case became ill	7/ /2023 12:00:00 AM
Last case became ill	8/ /2023 12:00:00 AM
Initial exposure	7/ /2023 12:00:00 AM
Last exposure	8/ /2023 12:00:00 AM
Notification to State/Territory or Local/Tribal Health Authorities	9/ /2023 12:00:00 AM
Outbreak investigation began	9/ /2023 12:00:00 AM

Geographic Location

Exposure occurred in a single state

Exposure State

Massachusetts

Primary Cases

Primary Case Counts

Primary Case Counts	Number
Lab-confirmed	
Probable	
Estimated total	

Sex

Number or percent of the primary cases

Male

Female

Unknown sex

If outbreak occurred during >1 calendar year, # cases per year

Year	Estimated Total Cases	Lab Confirmed Cases	Probable Cases
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Age

Number or percent of the primary cases

18-49 years

Signs or Symptoms

Sign or Symptom	# cases	# cases with info available
Abdominal cramps		
Diarrhea		

Incubation Period

Unknown incubation period among primary cases

Number of cases with info available

Duration of Illness

Unknown duration of illness among recovered primary cases

Number of cases with info available

Healthcare-Seeking Behaviors

Behavior	# cases	# cases with info available
Visited Indian Health Service or tribal facility		
Visited health care provider		
Visited emergency department		

Primary Case Outcomes

Outcome	# cases	# cases with info available
Disseminated infection	0	
Pregnancy loss	0	
Died	0	
Hospitalized	0	
Hemolytic uremic syndrome (HUS)	0	

Case Characteristics

Characteristic	# cases	# cases with info available
Were immunocompromised	0	
Attended or worked in a child daycare	0	
Were experiencing homelessness	0	
Were exposed in the workplace	0	

Travel

The outbreak was not associated with the source case-patient (e.g., food worker) traveling internationally.

Secondary Cases

Mode of Secondary Transmission

Secondary Case Counts

Secondary Case Counts	0
Probable secondary cases	0
Estimated total secondary cases	0

Estimated Total Cases (Primary + Secondary):

Secondary Case Outcomes

Outcome	# cases	# cases with info available
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No Case Outcomes provided

Laboratory and Environmental Investigation

Sample Collection and Testing

Samples were tested.

Sample Type	Tested
Human	Yes
3 persons including food workers tested	
Food Worker	No
Animal	No
Food	No
Water	No
Other Environmental	Yes
Other type - Cutting board, table, handle of washer, computer touch screen, slicer, bathroom door handle, prep sink	

Human samples tested for:	Bacterium/bacteria or bacterial toxin(s)	Virus(es)	Parasite(s)
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Animal, food, water, other environmental samples tested for:	Bacterium/bacteria or bacterial toxin(s)
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Human sample test types:	Culture	DNA or RNA amplification/detection
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Animal, food, water, other environmental sample test types:	Culture
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CDC NARMS DID NOT perform antimicrobial susceptibility testing.

Etiology and Isolates

Etiology

Etiology		
Salmonella enterica Ser. Enteritidis		- Confirmed - Detected In: patient specimen,

Isolates or Strains

CDC system	Lab IDs	PFGE pattern	Sequencing information	Subtype information	Source/sample type	Resistance information
PulseNet				Enteritidis	Human	
PulseNet				Enteritidis	Human	
PulseNet				Enteritidis	Human	

Settings

Setting(s) of Exposure

All settings where food was eaten:

Residence - Single-family home

Restaurant: "Fast-food" (drive up service or pay at counter)

Setting of exposure remarks

Setting(s) of Preparation

All settings where food was prepared

Restaurant: "Fast-food" (drive up service or pay at counter)

Setting of preparation remarks

Associated Events

Exposure WAS NOT associated with a specific event(s) or gathering(s)

Long-term Care Outbreaks

Types of care affected:

School Outbreaks

Grades affected

Funded schools	Number of schools
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Public	
--------	--

Private	
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Unknown	
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Correctional or Detention Facility Outbreaks

Facility name:

Facility run by:

Facility type:

Inmate food workers prepare food:

Other food workers prepare food:

Contamination from Inmate food
workers

Contamination from Other food
workers

Food Section

Food Vehicle

Food vehicle not determined

Name of food:

Vehicle confirmed or suspected:

Reason(s) confirmed or suspected:

Ingredient(s)

Ingredient

Contaminated

Not Contaminated

Method of processing:

Level of preparation:

Method of preparation & service
:

Type of packaging:

Imported contaminated food:

Product produced under U.S.
domestic regulatory oversight:

Product sold under U.S. domestic
regulatory oversight:

Reasons supporting foodborne: **Epidemiologic evidenc**

Food Contributing Factors

Contamination Factors:

No Contamination factors

Reason no contamination source: **None identified**

Factor Name	Source(s)
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Proliferation Factors: Bacterial and fungal outbreaks only:

No Proliferation factors

Reason no proliferation source: **None identified**

Factor Name	Source(s)
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Survival Factors: Bacterial, viral, parasitic, and fungal outbreaks only:

No Survival factors

Reason no survival source: **None identified**

Factor Name	Source(s)
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Food Contributing Factors Remarks

Traceback & Recall

Traceback Investigation

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Traceback Point

Federal Agencies

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Food Product was recalled

Exact item(s) recalled:

Link to official recall announcement(s):

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Outbreak Detection

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Investigation Methods

Epidemiologic Interviews only of ill persons

Environmental Food preparation review
Environmental, food, water, animal, or sample testing

Traceback

Investigation Comments

Other Linked CDC Systems

System

System Id

Interventions

Facility/site/venue and equipment

Intervention Type	Point of exposure	Other points of intervention
Cleaning protocol modified	Recommended and implemented	

People

Intervention Type	Point of exposure	Other points of intervention

Animal

Intervention Type	Point of exposure	Other points of intervention

Food

Intervention Type	Point of exposure	Other points of intervention

Water

Intervention Type	Point of exposure	Other points of intervention

Other

Intervention Type	Point of exposure	Other points of intervention

Public communications released for this outbreak

State/local/territorial health department

Remarks

Remarks

General Remarks: