

NORS

National Outbreak Reporting System

2404MLAFR-1 NORS Report

11/19/2025



2404MLAFR-1

AGENCY

CDC

STATUS

Finalized

Report Summary

CDCID	510154
Owner	ORPB1
Created	8/21/2024
Reporting Year	2024

Outbreak

Primary mode of transmission	Food
First case became ill	3/11/2024 12:00:00 AM
Last case became ill	7/26/2024 12:00:00 AM
Initial exposure	
Last exposure	
Notification to State/Territory or Local/Tribal Health Authorities	4/30/2024 12:00:00 AM
Outbreak investigation began	4/30/2024 12:00:00 AM

Geographic Location

Exposure occurred in multiple states

Exposure State	Case Count
Alabama	6
Arkansas	1
California	1
Connecticut	8
Delaware	3
Florida	60
Georgia	48
Iowa	5
Illinois	9
Indiana	4
Kentucky	20
Maine	4
Maryland	17

Massachusetts	11
Michigan	12
Minnesota	10
Mississippi	2
Missouri	4
Nevada	1
New Jersey	22
New York	69
North Carolina	27
Ohio	20
Oklahoma	2
Pennsylvania	68
Rhode Island	8
South Carolina	22
Tennessee	22
Texas	2
Vermont	2
Virginia	48
Washington	1
West Virginia	7
Wisconsin	4
District of Columbia	1

Primary Cases

Primary Case Counts

Primary Case Counts	Number
Lab-confirmed	551
Probable	0
Estimated total	551

Sex

Number or percent of the primary cases

Male	178
Female	370
Unknown sex	3

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	3
1-4 years	22
5-9 years	21
10-17 years	24
18-49 years	217
50-64 years	110
65-74 years	90
75+ years	62
Unknown	2

Signs or Symptoms

Sign or Symptom	# cases	# cases with info available
Abdominal cramps	0	0
Bloody stools	0	0
Diarrhea	0	0
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	0	0
Visited emergency department	0	0

Primary Case Outcomes

Outcome	# cases	# cases with info available
Disseminated infection	0	0
Pregnancy loss	0	0
Died	0	458
Hospitalized	155	456
Hemolytic uremic syndrome (HUS)	0	0

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	0	0

Travel

It is unknown if the outbreak was associated with the source case-patient (e.g., food worker) traveling internationally.

Secondary Cases

Mode of Secondary Transmission

Indeterminate/unknown

Secondary Case Counts

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

Estimated Total Cases (Primary + Secondary): 551

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
551 persons including food workers tested	
Food Worker	Unknown
Animal	No
Food	Yes
Water	Yes
Other Environmental	Yes
Other type - Soil, Dead End Ultra Filtration System	

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

Animal, food, water, other environmental samples tested for: Bacterium/bacteria or bacterial toxin(s)

Human sample test types: Culture

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

CDC NARMS perform antimicrobial susceptibility testing.

Etiology and Isolates

Etiology

Etiology		
Salmonella enterica Ser. Braenderup	Positive primary cases: 275 Culture-confirmed: 275 CIDT-positive: 0	- Confirmed - Detected In: patient specimen, environmental sample, water sample,
Salmonella enterica Ser. Africana	Positive primary cases: 282 Culture-confirmed: 282 CIDT-positive: 0	- Confirmed - Detected In: patient specimen,

Isolates or Strains						
CDC system	Lab IDs	PFGE pattern	Sequencing information	Subtype information	Source/sample type	Resistance information
PulseNet			PNUSAS4399 85	Braenderup	Human	
PulseNet			PNUSAS4434 23	Braenderup	Human	
PulseNet			PNUSAS4484 46	Africana	Human	
PulseNet			PNUSAS4378 60	Africana	Human	
PulseNet			PNUSAS4470 53	Africana	Human	
PulseNet			PNUSAS4360 13	Braenderup	Human	
PulseNet			PNUSAS4363 17	Braenderup	Human	
PulseNet			PNUSAS4370 95	Braenderup	Human	
PulseNet			PNUSAS4377 92	Braenderup	Human	
PulseNet			PNUSAS4383 56	Africana	Human	
PulseNet			PNUSAS4394 79	Africana	Human	

PulseNet		PNUSAS4412 60	Africana	Human
PulseNet		PNUSAS4434 45	Africana	Human
PulseNet		PNUSAS4465 26	Braenderup	Human
PulseNet		PNUSAS4386 95	Africana	Human
PulseNet		PNUSAS4386 96	Braenderup	Human
PulseNet		PNUSAS4503 87	Braenderup	Human
PulseNet		PNUSAS4383 75	Africana	Human
PulseNet		PNUSAS4367 96	Braenderup	Human
PulseNet		PNUSAS4517 45	Braenderup	Human
PulseNet		FDA1152215- S001-003	Braenderup	Food
PulseNet		FDA1200103- S003-001	Braenderup	Food
PulseNet		FDA1200103- S003-003	Braenderup	Food
PulseNet		FDA1200103- S003-006	Braenderup	Food
PulseNet		FDA1200103- S003-011	Braenderup	Food
PulseNet		FDA1200103- S003-014	Braenderup	Food
PulseNet		PNUSAS4319 16	Braenderup	Human

PulseNet		PNUSAS4332 63	Africana	Human
PulseNet		PNUSAS4332 69	Africana	Human
PulseNet		PNUSAS4355 51	Africana	Human
PulseNet		PNUSAS4355 61	Africana	Human
PulseNet		PNUSAS4355 88	Braenderup	Human
PulseNet		PNUSAS4355 83	Braenderup	Human
PulseNet		PNUSAS4355 79	Africana	Human
PulseNet		PNUSAS4355 94	Africana	Human
PulseNet		PNUSAS4369 38	Braenderup	Human
PulseNet		PNUSAS4369 45	Africana	Human
PulseNet		PNUSAS4369 91	Africana	Human
PulseNet		PNUSAS4369 94	Braenderup	Human
PulseNet		PNUSAS4369 99	Braenderup	Human
PulseNet		PNUSAS4370 29	Braenderup	Human
PulseNet		PNUSAS4370 35	Braenderup	Human
PulseNet		PNUSAS4370 41	Braenderup	Human

PulseNet		PNUSAS4382 14	Africana	Human
PulseNet		PNUSAS4382 16	Braenderup	Human
PulseNet		PNUSAS4382 23	Braenderup	Human
PulseNet		PNUSAS4382 35	Africana	Human
PulseNet		PNUSAS4382 43	Braenderup	Human
PulseNet		PNUSAS4382 76	Braenderup	Human
PulseNet		PNUSAS4382 74	Africana	Human
PulseNet		PNUSAS4382 90	Africana	Human
PulseNet		PNUSAS4382 92	Braenderup	Human
PulseNet		PNUSAS4382 85	Braenderup	Human
PulseNet		PNUSAS4382 93	Braenderup	Human
PulseNet		PNUSAS4394 95	Africana	Human
PulseNet		PNUSAS4395 00	Africana	Human
PulseNet		PNUSAS4395 04	Braenderup	Human
PulseNet		PNUSAS4394 97	Africana	Human
PulseNet		PNUSAS4394 98	Africana	Human

PulseNet		PNUSAS4608 05	Braenderup	Human
PulseNet		PNUSAS4394 99	Africana	Human
PulseNet		PNUSAS4394 96	Africana	Human
PulseNet		PNUSAS4413 25	Africana	Human
PulseNet		PNUSAS4413 31	Africana	Human
PulseNet		PNUSAS4413 32	Africana	Human
PulseNet		PNUSAS4413 54	Braenderup	Human
PulseNet		PNUSAS4413 80	Braenderup	Human
PulseNet		PNUSAS4434 83	Africana	Human
PulseNet		PNUSAS4434 87	Africana	Human
PulseNet		PNUSAS4434 95	Africana	Human
PulseNet		PNUSAS4435 12	Africana	Human
PulseNet		PNUSAS4413 99	Africana	Human
PulseNet		PNUSAS4435 57	Africana	Human
PulseNet		PNUSAS4435 60	Braenderup	Human
PulseNet		PNUSAS4435 78	Africana	Human

PulseNet		PNUSAS443594	Braenderup	Human
PulseNet		PNUSAS443608	Braenderup	Human
PulseNet		PNUSAS445245	Braenderup	Human
PulseNet		PNUSAS454593	Africana	Human
PulseNet		PNUSAS454568	Braenderup	Human
PulseNet		PNUSAS454702	Braenderup	Human
PulseNet		PNUSAS454588	Africana	Human
PulseNet		PNUSAS454676	Africana	Human
PulseNet		PNUSAS460647	Braenderup	Human
PulseNet		PNUSAS462575	Braenderup	Human
PulseNet		PNUSAS435025	Africana	Human
PulseNet		PNUSAS438836	Africana	Human
PulseNet		PNUSAS438844	Braenderup	Human
PulseNet		PNUSAS440220	Africana	Human
PulseNet		PNUSAS441792	Africana	Human
PulseNet		PNUSAS443405	Africana	Human

PulseNet		PNUSAS450204	Africana	Human
PulseNet		PNUSAS448300	Africana	Human
PulseNet		PNUSAS434160	Africana	Human
PulseNet		PNUSAS440224	Braenderup	Human
PulseNet		PNUSAS441816	Africana	Human
PulseNet		PNUSAS438831	Africana	Human
PulseNet		PNUSAS438834	Braenderup	Human
PulseNet		PNUSAS441835	Braenderup	Human
PulseNet		PNUSAS440219	Braenderup	Human
PulseNet		PNUSAS441812	Africana	Human
PulseNet		PNUSAS441755	Africana	Human
PulseNet		PNUSAS441813	Africana	Human
PulseNet		PNUSAS440241	Africana	Human
PulseNet		PNUSAS440227	Africana	Human
PulseNet		PNUSAS440246	Africana	Human
PulseNet		PNUSAS440242	Africana	Human

PulseNet		PNUSAS4418 37	Braenderup	Human
PulseNet		PNUSAS4417 58	Africana	Human
PulseNet		PNUSAS4418 27	Africana	Human
PulseNet		PNUSAS4433 45	Africana	Human
PulseNet		PNUSAS4418 17	Africana	Human
PulseNet		PNUSAS4417 83	Africana	Human
PulseNet		PNUSAS4418 30	Braenderup	Human
PulseNet		PNUSAS4433 79	Africana	Human
PulseNet		PNUSAS4433 72	Braenderup	Human
PulseNet		PNUSAS4433 31	Africana	Human
PulseNet		PNUSAS4418 26	Braenderup	Human
PulseNet		PNUSAS4434 02	Braenderup	Human
PulseNet		PNUSAS4433 70	Africana	Human
PulseNet		PNUSAS4502 06	Africana	Human
PulseNet		PNUSAS4433 28	Africana	Human
PulseNet		PNUSAS4433 52	Africana	Human

PulseNet		PNUSAS4433 27	Braenderup	Human
PulseNet		PNUSAS4501 31	Braenderup	Human
PulseNet		PNUSAS4501 19	Africana	Human
PulseNet		PNUSAS4472 08	Africana	Human
PulseNet		PNUSAS4501 53	Braenderup	Human
PulseNet		PNUSAS4472 05	Africana	Human
PulseNet		PNUSAS4472 06	Braenderup	Human
PulseNet		PNUSAS4501 98	Africana	Human
PulseNet		PNUSAS4524 28	Braenderup	Human
PulseNet		PNUSAS4487 55	Braenderup	Human
PulseNet		PNUSAS4514 39	Braenderup	Human
PulseNet		PNUSAS4588 34	Africana	Human
PulseNet		PNUSAS4570 38	Braenderup	Human
PulseNet		PNUSAS4540 27	Africana	Human
PulseNet		PNUSAS4609 45	Braenderup	Human
PulseNet		PNUSAS4349 65	Africana	Human

PulseNet		PNUSAS4359 07	Africana	Human
PulseNet		PNUSAS4359 06	Africana	Human
PulseNet		PNUSAS4371 84	Braenderup	Human
PulseNet		PNUSAS4476 97	Braenderup	Human
PulseNet		PNUSAS4428 63	Braenderup	Human
PulseNet		PNUSAS4428 59	Braenderup	Human
PulseNet		PNUSAS4462 95	Africana	Human
PulseNet		PNUSAS4468 57	Africana	Human
PulseNet		PNUSAS4511 98	Africana	Human
PulseNet		PNUSAS4430 01	Braenderup	Human
PulseNet		PNUSAS4563 52	Africana	Human
PulseNet		PNUSAS4633 82	Africana	Human
PulseNet		PNUSAS4376 75	Africana	Human
PulseNet		PNUSAS4400 81	Braenderup	Human
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PulseNet		PNUSAS4333 68	Africana	Human
PulseNet		PNUSAS4333 64	Braenderup	Human
PulseNet		PNUSAS4363 48	Braenderup	Human
PulseNet		PNUSAS4374 32	Braenderup	Human
PulseNet		PNUSAS4374 34	Braenderup	Human
PulseNet		PNUSAS4374 29	Africana	Human
PulseNet		PNUSAS4379 47	Braenderup	Human
PulseNet		PNUSAS4374 24	Africana	Human
PulseNet		PNUSAS4379 55	Africana	Human
PulseNet		PNUSAS4379 48	Braenderup	Human
PulseNet		PNUSAS4398 12	Braenderup	Human

PulseNet		PNUSAS439809	Braenderup	Human
PulseNet		PNUSAS439807	Braenderup	Human
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PulseNet		PNUSAS441407	Braenderup	Human
PulseNet		PNUSAS442751	Braenderup	Human
PulseNet		PNUSAS447167	Braenderup	Human
PulseNet		PNUSAS448219	Africana	Human
PulseNet		PNUSAS452543	Braenderup	Human
PulseNet		PNUSAS445456	Africana	Human
PulseNet		PNUSAS432488	Africana	Human
PulseNet		PNUSAS433008	Africana	Human
PulseNet		PNUSAS438445	Africana	Human

PulseNet		PNUSAS4368 87	Braenderup	Human
PulseNet		PNUSAS4384 40	Braenderup	Human
PulseNet		PNUSAS4394 06	Braenderup	Human
PulseNet		PNUSAS4394 02	Africana	Human
PulseNet		PNUSAS4394 05	Africana	Human
PulseNet		PNUSAS4407 60	Braenderup	Human
PulseNet		PNUSAS4421 97	Braenderup	Human
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PulseNet		PNUSAS4449 46	Africana	Human
PulseNet		PNUSAS4360 05	Braenderup	Human
PulseNet		PNUSAS4354 24	Braenderup	Human
PulseNet		PNUSAS4360 01	Africana	Human
PulseNet		PNUSAS4383 20	Africana	Human
PulseNet		PNUSAS4383 27	Braenderup	Human
PulseNet		PNUSAS4383 24	Braenderup	Human
PulseNet		PNUSAS4383 22	Braenderup	Human

PulseNet		PNUSAS4392 04	Braenderup	Human
PulseNet		PNUSAS4420 84	Africana	Human
PulseNet		PNUSAS4432 69	Braenderup	Human
PulseNet		PNUSAS4432 70	Braenderup	Human
PulseNet		PNUSAS4432 66	Braenderup	Human
PulseNet		PNUSAS4481 37	Braenderup	Human
PulseNet		PNUSAS4481 12	Africana	Human
PulseNet		PNUSAS4481 22	Braenderup	Human
PulseNet		PNUSAS4532 84	Africana	Human
PulseNet		PNUSAS4573 05	Africana	Human
PulseNet		PNUSAS4344 67	Africana	Human
PulseNet		PNUSAS4398 64	Braenderup	Human
PulseNet		PNUSAS4419 64	Africana	Human
PulseNet		PNUSAS4474 46	Braenderup	Human
PulseNet		PNUSAS4352 11	Africana	Human
PulseNet		PNUSAS4352 16	Africana	Human

PulseNet		PNUSAS4365 66	Braenderup	Human
PulseNet		PNUSAS4386 61	Braenderup	Human
PulseNet		PNUSAS4386 64	Africana	Human
PulseNet		PNUSAS4386 66	Braenderup	Human
PulseNet		PNUSAS4408 96	Africana	Human
PulseNet		PNUSAS4415 68	Africana	Human
PulseNet		PNUSAS4457 51	Braenderup	Human
PulseNet		PNUSAS4448 17	Africana	Human
PulseNet		PNUSAS4479 02	Braenderup	Human
PulseNet		PNUSAS4479 05	Braenderup	Human
PulseNet		PNUSAS4340 30	Africana	Human
PulseNet		PNUSAS4397 68	Braenderup	Human
PulseNet		PNUSAS4333 53	Africana	Human
PulseNet		PNUSAS4346 27	Braenderup	Human
PulseNet		PNUSAS4346 28	Africana	Human
PulseNet		PNUSAS4357 48	Braenderup	Human

PulseNet		PNUSAS4370 11	Africana	Human
PulseNet		PNUSAS4397 69	Braenderup	Human
PulseNet		PNUSAS4397 70	Africana	HUMAN
PulseNet		PNUSAS4454 17	Braenderup	Human
PulseNet		PNUSAS4557 12	Braenderup	Human
PulseNet		PNUSAS4391 56	Africana	Human
PulseNet		PNUSAS4420 02	Braenderup	Human
PulseNet		PNUSAS4423 77	Braenderup	Human
PulseNet		PNUSAS4468 78	Braenderup	Human
PulseNet		PNUSAS4473 47	Africana	Human
PulseNet		PNUSAS4526 13	Africana	Human
PulseNet		PNUSAS4356 64	Braenderup	Human
PulseNet		PNUSAS4356 46	Africana	Human
PulseNet		PNUSAS4370 81	Braenderup	Human
PulseNet		PNUSAS4380 51	Africana	Human

PulseNet		PNUSAS438408	Africana	Human
PulseNet		PNUSAS438403	Africana	Human
PulseNet		PNUSAS440357	Braenderup	Human
PulseNet		PNUSAS440350	Braenderup	Human
PulseNet		PNUSAS439885	Africana	Human
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PulseNet		PNUSAS440677	Africana	Human
PulseNet		PNUSAS441489	Braenderup	Human
PulseNet		PNUSAS444143	Braenderup	Human
PulseNet		PNUSAS444142	Braenderup	Human
PulseNet		PNUSAS444135	Braenderup	Human
PulseNet		PNUSAS444918	Africana	Human
PulseNet		PNUSAS444911	Africana	Human
PulseNet		PNUSAS444910	Braenderup	Human
PulseNet		PNUSAS445047	Africana	Human

PulseNet		PNUSAS4450 30	Africana	Human
PulseNet		PNUSAS4460 35	Braenderup	Human
PulseNet		PNUSAS4483 91	Africana	Human
PulseNet		PNUSAS4536 87	Africana	Human
PulseNet		PNUSAS4550 21	Africana	Human
PulseNet		PNUSAS4453 33	Africana	Human
PulseNet		PNUSAS4342 12	Braenderup	Human
PulseNet		PNUSAS4341 97	Braenderup	Human
PulseNet		PNUSAS4358 55	Braenderup	Human
PulseNet		PNUSAS4366 17	Braenderup	Human
PulseNet		PNUSAS4366 26	Africana	Human
PulseNet		PNUSAS4366 18	Braenderup	Human
PulseNet		PNUSAS4366 25	Braenderup	Human
PulseNet		PNUSAS4372 71	Braenderup	Human
PulseNet		PNUSAS4372 69	Braenderup	Human
PulseNet		PNUSAS4386 22	Braenderup	Human

PulseNet		PNUSAS4393 64	Africana	Human
PulseNet		PNUSAS4393 60	Africana	Human
PulseNet		PNUSAS4415 94	Braenderup	Human
PulseNet		PNUSAS4416 02	Africana	Human
PulseNet		PNUSAS4393 62	Braenderup	Human
PulseNet		PNUSAS4415 96	Africana	Human
PulseNet		PNUSAS4433 92	Africana	Human
PulseNet		PNUSAS4433 93	Africana	Human
PulseNet		PNUSAS4444 32	Braenderup	Human
PulseNet		PNUSAS4474 02	Braenderup	Human
PulseNet		PNUSAS4467 91	Africana	Human
PulseNet		PNUSAS4492 75	Braenderup	Human
PulseNet		PNUSAS4432 14	Braenderup	Human
PulseNet		PNUSAS4338 91	Africana	Human
PulseNet		PNUSAS4338 94	Africana	Human

PulseNet		PNUSAS4338 97	Braenderup	Human
PulseNet		PNUSAS4352 35	Africana	Human
PulseNet		PNUSAS4352 38	Africana	Human
PulseNet		PNUSAS4352 39	Braenderup	Human
PulseNet		PNUSAS4390 38	Braenderup	Human
PulseNet		PNUSAS4352 42	Africana	Human
PulseNet		PNUSAS4352 43	Africana	Human
PulseNet		PNUSAS4358 26	Africana	Human
PulseNet		PNUSAS4358 29	Braenderup	Human
PulseNet		PNUSAS4379 65	Africana	Human
PulseNet		PNUSAS4379 68	Braenderup	Human
PulseNet		PNUSAS4379 69	Africana	Human

PulseNet		PNUSAS4379 71	Africana	Human
PulseNet		PNUSAS4379 73	Braenderup	Human
PulseNet		PNUSAS4379 75	Braenderup	Human
PulseNet		PNUSAS4379 77	Braenderup	Human
PulseNet		PNUSAS4379 81	Braenderup	Human
PulseNet		PNUSAS4379 83	Africana	Human
PulseNet		PNUSAS4390 42	Braenderup	Human
PulseNet		PNUSAS4379 84	Braenderup	Human
PulseNet		PNUSAS4390 43	Braenderup	Human
PulseNet		PNUSAS4390 44	Braenderup	Human
PulseNet		PNUSAS4390 52	Africana	Human
PulseNet		PNUSAS4390 53	Africana	Human

PulseNet		PNUSAS4414 40	Africana	Human
PulseNet		PNUSAS4390 56	Braenderup	Human
PulseNet		PNUSAS4390 58	Braenderup	Human
PulseNet		PNUSAS4390 59	Braenderup	Human
PulseNet		PNUSAS4414 42	Africana	Human
PulseNet		PNUSAS4400 60	Braenderup	Human
PulseNet		PNUSAS4400 67	Africana	Human
PulseNet		PNUSAS4402 70	Braenderup	Human
PulseNet		PNUSAS4419 82	Braenderup	Human
PulseNet		PNUSAS4415 42	Braenderup	Human
PulseNet		PNUSAS4415 48	Braenderup	Human
PulseNet		PNUSAS4415 49	Africana	Human

PulseNet		PNUSAS4419 93	Braenderup	Human
PulseNet		PNUSAS4436 45	Africana	Human
PulseNet		PNUSAS4419 95	Africana	Human
PulseNet		PNUSAS4436 48	Braenderup	Human
PulseNet		PNUSAS4438 61	Africana	Human
PulseNet		PNUSAS4438 64	Africana	Human
PulseNet		PNUSAS4438 65	Africana	Human
PulseNet		PNUSAS4438 70	Braenderup	Human
PulseNet		PNUSAS4465 84	Braenderup	Human
PulseNet		PNUSAS4451 58	Africana	Human
PulseNet		PNUSAS4465 87	Braenderup	Human
PulseNet		PNUSAS4484 88	Braenderup	Human

PulseNet		PNUSAS4475 02	Africana	Human
PulseNet		PNUSAS4478 31	Africana	Human
PulseNet		PNUSAS4489 09	Africana	Human
PulseNet		PNUSAS4491 26	Braenderup	Human
PulseNet		PNUSAS4491 29	Braenderup	Human
PulseNet		PNUSAS4558 15	Africana	Human
PulseNet		PNUSAS4548 88	Africana	Human
PulseNet		PNUSAS4348 38	Africana	Human
PulseNet		PNUSAS4410 91	Braenderup	Human
PulseNet		PNUSAS4410 90	Africana	Human
PulseNet		PNUSAS4391 11	Braenderup	Human
PulseNet		PNUSAS4391 07	Africana	Human

PulseNet		PNUSAS439109	Braenderup	Human
PulseNet		PNUSAS441083	Braenderup	
PulseNet		PNUSAS441081	Africana	Human
PulseNet		PNUSAS444878	Africana	Human
PulseNet		PNUSAS456326	Braenderup	Human
PulseNet		PNUSAS456322	Braenderup	Human
PulseNet		PNUSAS431379	Africana	Human
PulseNet		PNUSAS432646	Africana	Human
PulseNet		PNUSAS434112	Africana	Human
PulseNet		PNUSAS434102	Africana	Human
PulseNet		PNUSAS434097	Africana	Human
PulseNet		PNUSAS435891	Braenderup	Human
PulseNet		PNUSAS436831	Africana	Human
PulseNet		PNUSAS435885	Braenderup	Human

PulseNet		PNUSAS4358 75	Africana	Human
PulseNet		PNUSAS4403 31	Braenderup	Human
PulseNet		PNUSAS4403 22	Braenderup	Human
PulseNet		PNUSAS4402 90	Africana	Human
PulseNet		PNUSAS4402 91	Africana	Human
PulseNet		PNUSAS4416 72	Braenderup	Human
PulseNet		PNUSAS4430 91	Braenderup	Human
PulseNet		PNUSAS4430 94	Braenderup	Human
PulseNet		PNUSAS4416 88	Africana	Human
PulseNet		PNUSAS4430 92	Africana	Human
PulseNet		PNUSAS4521 89	Africana	Human
PulseNet		PNUSAS4311 95	Africana	Human
PulseNet		PNUSAS4328 05	Africana	Human
PulseNet		PNUSAS4338 54	Braenderup	Human
PulseNet		PNUSAS4338 56	Africana	Human
PulseNet		PNUSAS4338 62	Africana	Human

PulseNet		PNUSAS4338 63	Braenderup	Human
PulseNet		PNUSAS4338 65	Braenderup	Human
PulseNet		PNUSAS4338 67	Africana	Human
PulseNet		PNUSAS4347 77	Braenderup	Human
PulseNet		PNUSAS4347 79	Africana	Human
PulseNet		PNUSAS4347 82	Braenderup	Human
PulseNet		PNUSAS4347 83	Braenderup	Human
PulseNet		PNUSAS4347 84	Africana	Human
PulseNet		PNUSAS4347 87	Africana	Human
PulseNet		PNUSAS4347 89	Africana	Human
PulseNet		PNUSAS4352 47	Africana	Human
PulseNet		PNUSAS4356 24	Africana	Human
PulseNet		PNUSAS4365 01	Braenderup	Human
PulseNet		PNUSAS4365 03	Africana	Human
PulseNet		PNUSAS4365 05	Africana	Human
PulseNet		PNUSAS4365 07	Braenderup	Human

PulseNet		PNUSAS4365 08	Africana	Human
PulseNet		PNUSAS4365 10	Braenderup	Human
PulseNet		PNUSAS4365 11	Africana	Human
PulseNet		PNUSAS4365 15	Africana	Human
PulseNet		PNUSAS4369 72	Africana	Human
PulseNet		PNUSAS4369 73	Braenderup	Human
PulseNet		PNUSAS4369 78	Africana	Human
PulseNet		PNUSAS4369 79	Braenderup	Human
PulseNet		PNUSAS4369 83	Africana	Human
PulseNet		PNUSAS4377 07	Africana	Human
PulseNet		PNUSAS4377 08	Africana	Human
PulseNet		PNUSAS4377 10	Braenderup	Human
PulseNet		PNUSAS4382 50	Africana	Human
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PulseNet		PNUSAS4382 55	Africana	Human
PulseNet		PNUSAS4382 58	Braenderup	Human

PulseNet		PNUSAS4382 59	Braenderup	Human
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PulseNet		PNUSAS4382 66	Braenderup	Human
PulseNet		PNUSAS4399 09	Braenderup	Human
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PulseNet		PNUSAS4399 19	Braenderup	Human
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PulseNet		PNUSAS4399 22	Africana	Human
PulseNet		PNUSAS4399 23	Africana	Human
PulseNet		PNUSAS4399 27	Braenderup	Human
PulseNet		PNUSAS4409 86	Braenderup	Human
PulseNet		PNUSAS4413 19	Braenderup	Human
PulseNet		PNUSAS4424 24	Africana	Human
PulseNet		PNUSAS4424 31	Africana	Human

PulseNet		PNUSAS4424 32	Braenderup	Human
PulseNet		PNUSAS4429 08	Africana	Human
PulseNet		PNUSAS4429 10	Braenderup	Human
PulseNet		PNUSAS4429 15	Braenderup	Human
PulseNet		PNUSAS4456 07	Braenderup	Human
PulseNet		PNUSAS4456 15	Braenderup	Human
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PulseNet		PNUSAS4463 76	Africana	Human
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PulseNet		PNUSAS4493 58	Braenderup	Human
PulseNet		PNUSAS4493 66	Braenderup	Human
PulseNet		PNUSAS4493 85	Braenderup	Human
PulseNet		PNUSAS4512 87	Africana	Human
PulseNet		PNUSAS4557 97	Africana	Human
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PulseNet		PNUSAS4348 93	Braenderup	Human

PulseNet		PNUSAS4370 99	Braenderup	Human
PulseNet		PNUSAS4356 26	Africana	Human
PulseNet		PNUSAS4371 00	Africana	Human
PulseNet		PNUSAS4370 97	Braenderup	Human
PulseNet		PNUSAS4396 45	Africana	Human
PulseNet		PNUSAS4536 66	Braenderup	Human
PulseNet		PNUSAS4352 92	Africana	Human
PulseNet		PNUSAS4352 97	Bochum	Human
PulseNet		PNUSAS4373 04	Braenderup	Human
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PulseNet		PNUSAS4378 48	Africana	Human
PulseNet		PNUSAS4378 50	Braenderup	Human
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PulseNet		PNUSAS4421 20	Africana	Human
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PulseNet		PNUSAS4393 31	Braenderup	Human

PulseNet		PNUSAS4393 36	Braenderup	Human
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PulseNet		PNUSAS4408 44	Africana	Human
PulseNet		PNUSAS4425 29	Africana	Human
PulseNet		PNUSAS4425 30	Africana	Human
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PulseNet		PNUSAS4443 77	Braenderup	Human
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PulseNet		PNUSAS4464 04	Africana	Human
PulseNet		PNUSAS4467 97	Africana	Human
PulseNet		PNUSAS4327 29	Africana	Human
PulseNet		PNUSAS4361 86	Africana	Human
PulseNet		PNUSAS4359 58	Africana	Human
PulseNet		PNUSAS4359 67	Africana	Human
PulseNet		PNUSAS4373 16	Africana	Human
PulseNet		PNUSAS4359 62	Africana	Human

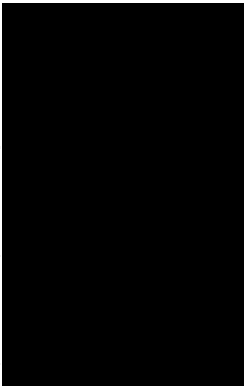
PulseNet		PNUSAS4373 20	Braenderup	Human
PulseNet		PNUSAS4373 19	Africana	Human
PulseNet		PNUSAS4373 25	Braenderup	Human
PulseNet		PNUSAS4373 27	Africana	Human
PulseNet		PNUSAS4380 12	Africana	Human
PulseNet		PNUSAS4380 14	Africana	Human
PulseNet		PNUSAS4402 52	Africana	Human
PulseNet		PNUSAS4408 70	Braenderup	Human
PulseNet		PNUSAS4417 08	Africana	Human
PulseNet		PNUSAS4417 13	Braenderup	Human
PulseNet		PNUSAS4417 20	Africana	Human
PulseNet		PNUSAS4445 70	Africana	Human
PulseNet		PNUSAS4445 73	Africana	Human
PulseNet		PNUSAS4447 40	Africana	Human
PulseNet		PNUSAS4635 19	Bochum	Human
PulseNet		PNUSAS4345 43	Africana	Human

PulseNet		PNUSAS4392 98	Africana	Human
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PulseNet		PNUSAS4498 26	Braenderup	Human
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PulseNet		PNUSAS4329 60	Africana	Human
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PulseNet		PNUSAS4362 40	Braenderup	Human

PulseNet		PNUSAS4362 41	Braenderup	Human
PulseNet		PNUSAS4362 45	Africana	Human
PulseNet		PNUSAS4362 65	Africana	Human
PulseNet		PNUSAS4362 66	Braenderup	Human
PulseNet		PNUSAS4362 57	Braenderup	Human
PulseNet		PNUSAS4376 28	Africana	Human
PulseNet		PNUSAS4376 25	Africana	Human
PulseNet		PNUSAS4376 17	Braenderup	Human
PulseNet		PNUSAS4376 19	Braenderup	Human
PulseNet		PNUSAS4362 59	Africana	Human
PulseNet		PNUSAS4362 60	Braenderup	Human
PulseNet		PNUSAS4362 39	Braenderup	Human
PulseNet		PNUSAS4379 26	Braenderup	Human
PulseNet		PNUSAS4379 29	Africana	Human
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PulseNet		PNUSAS4383 15	Braenderup	Human

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PulseNet		PNUSAS4393 45	Braenderup	Human
PulseNet		PNUSAS4393 41	Braenderup	Human
PulseNet		PNUSAS4411 75	Africana	Human
PulseNet		PNUSAS4412 02	Braenderup	Human
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PulseNet		PNUSAS4426 82	Braenderup	Human
PulseNet		PNUSAS4429 81	Braenderup	Human

PulseNet		PNUSAS4456 43	Africana	Human
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PulseNet		PNUSAS4512 47	Africana	Human
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PulseNet		PNUSAS4418 95	Africana	Human
PulseNet		PNUSAS4352 70	Braenderup	Human
PulseNet		PNUSAS4374 95	Braenderup	Human
PulseNet		PNUSAS4478 04	Braenderup	Human
PulseNet		PNUSAS4567 52	Braenderup	Human
PulseNet		PNUSAS4462 24	Braenderup	Human
PulseNet		PNUSAS4462 21	Braenderup	Human
PulseNet		PNUSAS4462 19	Braenderup	Human

PulseNet		PNUSAS4466 64	Braenderup	Human
PulseNet		PNUSAS4462 13	Braenderup	Human
PulseNet		PNUSAS4474 93	Africana	Human

Settings

Setting(s) of Exposure

All settings where food was eaten:

Hospital

Grocery
store/bakery/deli/
convenience store

Restaurant: Sit-down
dining

Setting of exposure remarks

Setting(s) of Preparation

All settings where food was prepared

Unknown

Setting of preparation remarks

Associated Events

It is UNKNOWN if Exposure was 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 determined

Regular Cucumbers

Name of food: Regular Cucumbers

Vehicle confirmed or suspected: Confirmed

Reason(s) confirmed or suspected:

Epidemiologic evidence

Laboratory evidence

Traceback investigation

Environmental evidence

Ingredient(s)

Ingredient

Contaminated

Not Contaminated

Method of processing:	Fresh
Level of preparation:	Raw, intended for raw service (no kill step performed)
Method of preparation & service :	Unknown
Type of packaging:	Container Type, N.E.C. Container type unknown or no container used
Imported contaminated food:	No
Product produced under U.S. domestic regulatory oversight:	Yes, federal
Product sold under U.S. domestic regulatory oversight:	Yes, federal

Certified food protection manager:	Unknown
Infectious food worker implicated as the source of contamination:	Unknown

Food Contributing Factors

Contributing factors are unknown

Contamination Factors:

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

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

Factor Name	Source(s)
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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

Bedner Growers (Farm)	UNITED STATES OF AMERICA Florida	Source of contamination
Thomas Produce (Farm)	UNITED STATES OF AMERICA Florida	Source of contamination
Federal Agencies	CDC FDA	

Recall

Food Product was recalled	True
Exact item(s) recalled:	Whole Cucumbers
Link to official recall announcement(s):	https://www.cdc.gov/salmonella/africana-06-24/index.html ; https://www.fda.gov/food/outbreaks-foodborne-illness/outbreak-investigation-salmonella-cucumbers-june-2024 ; https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts/fresh-start-produce-sales-initiates-recall-whole-cucumbers-because-possible-health-risk
Comments:	

Outbreak Detection & Investigation Methods

Outbreak Detection

Outbreak initially detected by	Notification from CDC lab system
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Investigation Methods

Epidemiologic	Interviews only of ill persons Binomial probability assessment
Environmental	Environmental, food, water, animal, or sample testing

Traceback

Investigation at original source
Consumer purchase records
Food, animal, or water investigation
Investigation at distributor, supplier, or production facilities

Investigation Comments

Other Linked CDC Systems

System

System Id

Interventions

Facility/site/venue and equipment

Intervention Type

Point of exposure

Other points of intervention

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

Food withdrawn (before recall)

Recommended and implemented

Point of distribution:
Recommended and implemented
Point of processing:
Recommended and implemented
Source: Recommended and implemented

Water

Intervention Type

Point of exposure

Other points of intervention

Other

Intervention Type	Point of exposure	Other points of intervention
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Public communications released for this outbreak	Federal government
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Remarks	Recall of whole, regular cucumbers initiated on May 31, 2024.
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Remarks

General Remarks: