

2023 Nebraska Outbreak/Cluster Report

Nebraska Public Health Laboratory (NPHL) and the Nebraska Department of Health and Human Services (NE DHHS) are pleased to share Nebraska's enteric outbreak information from 2023. The collective efforts of laboratories across Nebraska, NPHL, and NE DHHS in monitoring and responding to outbreaks have been crucial in managing the public health risks associated with enteric pathogens.

The following listed are *Salmonella* spp. (Table 1), Shiga-toxin producing *Escherichia coli* (Table 2) and *Listeria monocytogenes* (Table 3). Included are the dates of notification and outbreak closure, serotypes where applicable, sources when available, and the number of cases in Nebraska and the United States.

Note that Nebraska reports four hundred cases of salmonellosis annually with most cases not associated with an outbreak or cluster.

NPHL and NE DHHS will be making this information available on a yearly basis to Nebraska laboratories.

Table 1. *Salmonella* cluster and outbreak investigations, Nebraska 2023^a

| Date Notified | Date Closed | Serotype(s) ^b | Source | NE Cases | US Cases | Posting |
|---------------|-------------|--------------------------|--------------------------------------|----------|----------|---|
| 02/08/23 | 06/07/23 | Infantis | Gold metal flour | 1 | 14 | CDC , FDA |
| 02/24/23 | 04/20/23 | Hartford | Suspect tomatoes | 1 | 54 | FDA |
| 03/15/23 | 04/21/23 | Enteritidis | International, Dominican Republic | 2 | 38 | Not public ^c |
| 04/17/23 | 10/10/23 | Multiple | Backyard poultry | 23 | 1,072 | CDC |
| 04/19/23 | 05/05/23 | Multiple | International, | 1 | 23 | Not public ^c |
| 06/28/23 | 08/14/23 | Enteritidis | Unknown | 1 | 135 | Not public ^c |
| 07/07/23 | 08/25/23 | Enteritidis | Eggs | 10 | 0 | Local only ^d |
| 09/15/23 | 10/17/23 | Newport | Undetermined food/ Private party | 9 | 0 | Local only ^d |

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|----------|----------|---------------------------|--------------------------------|---|-----|---|
| 09/25/23 | 11/21/23 | Stanley/ Pomona | Suspected turtle | 1 | 80 | CDC |
| 11/10/23 | 01/19/24 | Sundsvall/ Oranienburg | Cantaloupe | 7 | 407 | CDC , FDA |
| 11/13/23 | 02/02/24 | Uganda | Unknown | 1 | 24 | Not public ^c |
| 12/26/23 | 03/25/24 | I4:i:-- | Bussero Charcuterie Sampler | 3 | 104 | CDC |

Table 2. Shiga toxin producing *E. coli* (STEC) cluster and outbreak investigations, Nebraska 2023^a

| Date Notified | Date Closed | Serotype(s) ^b | Source | NE Cases | US Cases | Posting |
|---------------|-------------|--------------------------|---------|----------|----------|-------------------------|
| 11/07/23 | 06/24/24 | O26:H11 | Unknown | 2 | 5 | Not public ^c |

Table 3. *Listeria monocytogenes* cluster and outbreak investigations, Nebraska 2023^a

| Date Notified | Date Closed | Serotype(s) ^b | Source | NE Cases | US Cases | Posting |
|---------------|-------------|--------------------------|---------|----------|----------|-------------------------|
| 02/02/23 | 06/13/23 | <i>L. monocytogenes</i> | Unknown | 1 | 18 | CDC |
| 08/25/23 | 03/22/24 | <i>L. monocytogenes</i> | Unknown | 1 | 3 | Not public ^c |

^aIncludes investigations originally notified during 2023.

^bResults from whole genome sequencing.

^cNot reported as a major national outbreak by the CDC.

^dThis represented a local/regional outbreak only.