

# Salmonella Hartford

**Background:** *Salmonella enterica* subsp. *enterica* serovar Hartford (antigenic formula 6,7:y:e,n,x) is a serovar of the O:7 (C<sub>1</sub>) serogroup. It has been isolated from a dairy-producing environment.

**Animal reservoir:** *Salmonella* Hartford was found in chicken, calves, wild black bears.

**Geographical distribution:** Serovar Hartford has been found in Hungary, China, and the U.S.

**Outbreaks:** Outbreaks have been associated with S. Hartford.

Year	Location	Associated Source	Number of Cases
1995	US: FL	Unpasteurized orange juice	62*
2010	US: Multi-state	Not identified	75
2014	US: Multi-state	Organic sprouted chia powder	7
2023	US	Not yet identified	at least 47

\**Salmonella* Gaminara was also involved in this outbreak.

## Relevant links and references:

1. <https://www.cdc.gov/salmonella/2010/restaurant-chain-a-8-4-10.html>
2. <https://jamanetwork.com/journals/jama/fullarticle/188128>
3. <https://www.foodsafetynews.com/tag/salmonella-hartford/>
4. [https://www.jstor.org/stable/pdf/24320783.pdf?refreqid=excelsior%3Ada8966aa9c6b88949ad11ca86de2b59c&ab\\_segments=&origin=&initiator=&acceptTC=1](https://www.jstor.org/stable/pdf/24320783.pdf?refreqid=excelsior%3Ada8966aa9c6b88949ad11ca86de2b59c&ab_segments=&origin=&initiator=&acceptTC=1)
5. <https://agris.fao.org/agris-search/search.do?recordID=CN9211229>
6. <https://www.liebertpub.com/doi/10.1089/fpd.2017.2303>
7. <https://www.mdpi.com/2076-2607/11/2/403>
8. <https://www.fda.gov/food/outbreaks-foodborne-illness/investigations-foodborne-illness-outbreaks>