

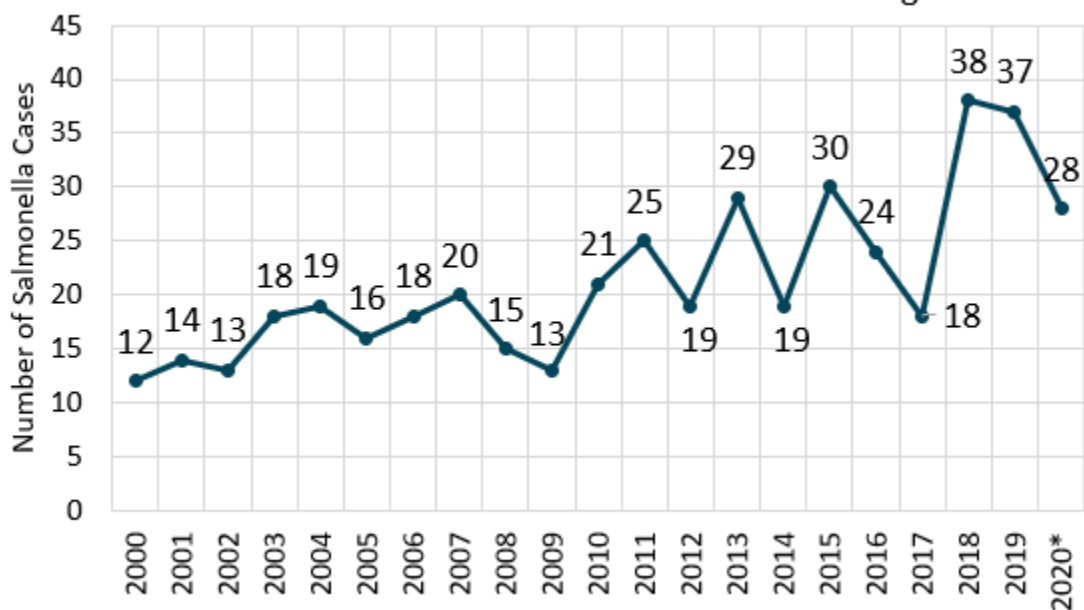
Central Oregon Public Health Quarterly

Communicable Disease Update for Crook, Deschutes, and Jefferson Counties
Third Quarter Report, 2020

24/7 Communicable Disease reporting lines: : Crook County: 541-447-5165 : Deschutes County: 541-322-7418 : Jefferson County: 541-475-4456

Salmonellosis in Central Oregon by Year

Annual number of salmonella cases in Central Oregon



The number of Salmonellosis cases varies by year in Central Oregon, with peaks seen every 2-3 years.

There were a total of 446 cases in Central Oregon between 2000 and September of 2020. The number of cases each year has ranged from a low of 12 cases in 2000 to a peak of 38 cases in 2018. In 2020 (as of late September), there were 28 cases of salmonellosis in Central Oregon.

Most (78.7%) salmonellosis cases in Central Oregon were among Deschutes County residents, followed by Jefferson County (10.8%) and Crook County (10.5%).

*2020 data is year-to-date as of September 30, 2020

Salmonellosis in Central Oregon by Age Group

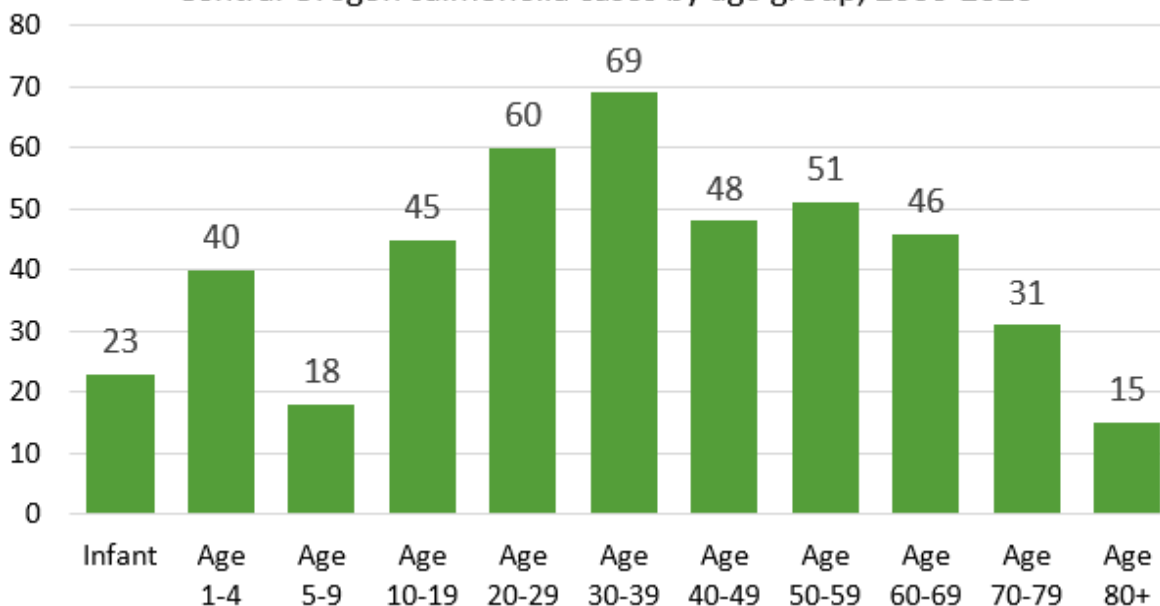
Most cases of salmonella in Central Oregon are adults aged 20 to 39.

Around 78.7% of salmonellosis cases in Central Oregon were aged ≥ 20 , and around 40% of cases were aged < 10 .

There were 21 infant cases under the age of 1, representing around 7.7% of cases.

The age distribution of cases in Central Oregon over the past 20 years is similar to the distribution seen across Oregon as a whole.

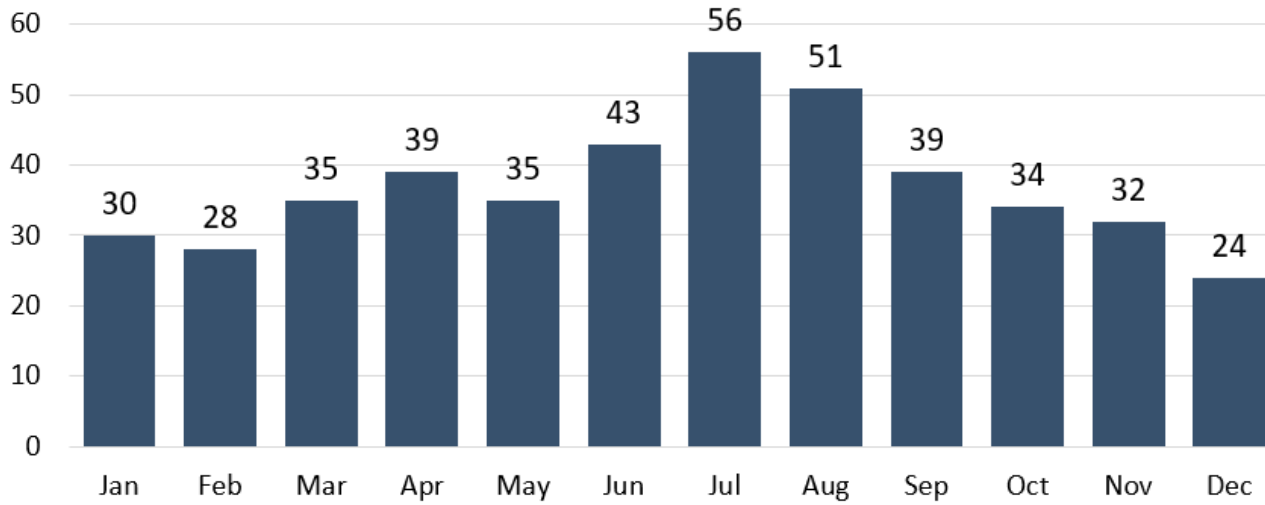
Central Oregon salmonella cases by age group, 2000-2020*



*2020 data is year-to-date as of September 30, 2020

Salmonellosis in Central Oregon by Month

Central Oregon Salmonella Cases by Month, 2000-2020*



The late summer months have the most salmonellosis cases to occur in Central Oregon.

Over the past twenty years, nearly 24% of cases occurred between July and August.

*As of September 30, 2020

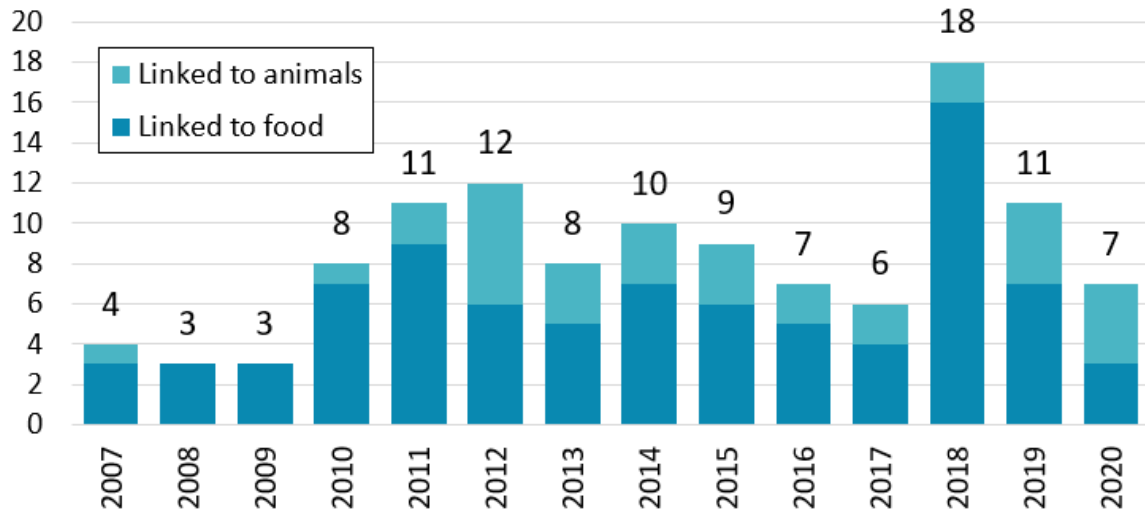
Salmonellosis Outbreaks in the United States

Since 2007, 72% of all salmonellosis outbreaks nationwide are linked to a food source.

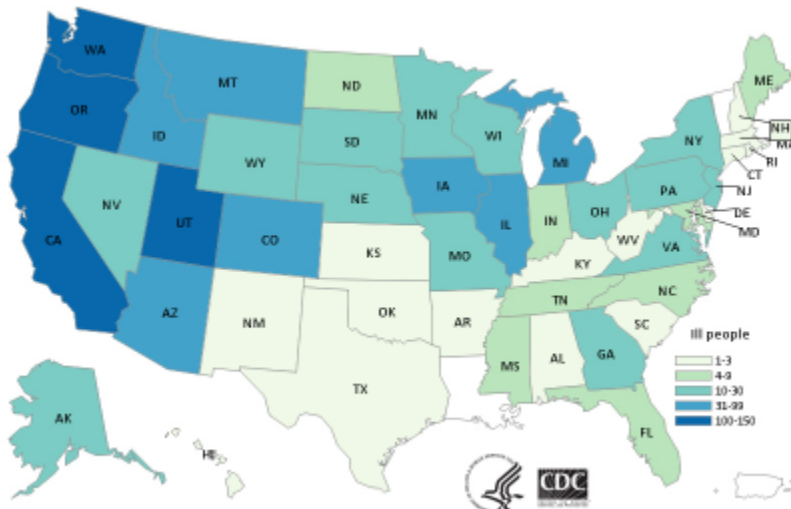
According to the CDC, the estimated number of illnesses is more than 1.2 million, 23 thousand hospitalizations, and 450 deaths.

Salmonella has multiple serotypes that make each outbreak unique in its characteristics and sources that help public health scientists track the disease.

United States salmonella outbreaks, 2007-2020



Salmonellosis Outbreak Spotlight: *Salmonella* Newport



From June to September 2020, a total of 1,127 people across 48 states were reported infected with *salmonella* bacteria, resulting in 67 hospitalizations and zero deaths.

According to the CDC, outbreak investigation showed that red onions from Thomson International Inc. were the likely source, though other onion types were also likely contaminated due to coinciding growth and harvest.

National and international recalls were issued for red, white, yellow, and sweet yellow onions across multiple distributors and retailers selling products containing onions.

Figure source: <https://www.cdc.gov/salmonella/newport-07-20/map.html>

As of October 6th, Oregon reported 109 salmonellosis cases linked to this outbreak.