Salmonellosis

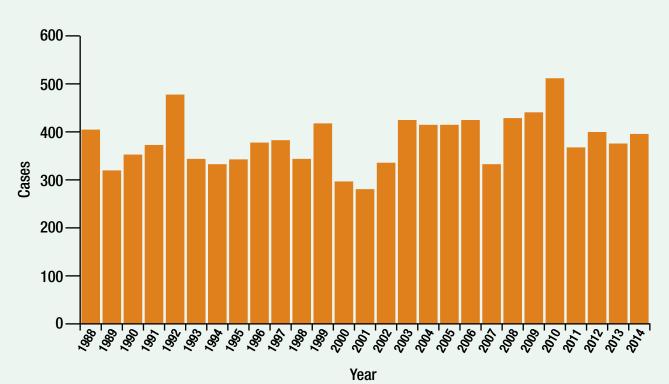
Salmonellosis is a bacterial illness characterized by acute abdominal pain, diarrhea and often fever that usually begins one to five days after exposure. Excretion of *Salmonella* may persist for several days or even months beyond the acute phase of illness. Antibiotics are not needed by most patients (the exceptions being those at high risk of invasive infection), and they may increase the duration of excretion.

A wide range of domestic and wild animals are carriers of *Salmonella*, including poultry, swine, cattle, rodents, iguanas, tortoises, turtles, snakes, young poultry, dogs and cats. Most human infections are thought to come from consumption of fecally contaminated food or water, but other environmental exposures may be hard to document and therefore underappreciated. Raw or undercooked produce and products of animal origin — such as eggs, milk, meat and poultry — have been implicated as common sources of animal and human salmonellosis. Though not as common as *Escherichia coli* O157 infection, person-to-person transmission of salmonellosis is well documented. The incidence of reported infection is highest among children <5 years of age. In 2014, Oregon's incidence among children <5 years was 21.6 per 100,000.

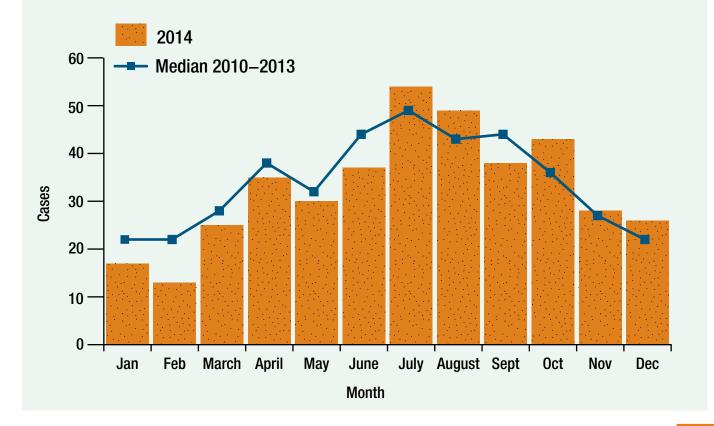
Of approximately 2,500 known serotypes, only about 200 are detected in the United States in any given year. In Oregon, *S.* Enteritidis and *S.* Typhimurium have historically been the two most commonly reported serotypes, comprising 28% and 16% of all lab-confirmed isolates in 2014, respectively. However, an ongoing outbreak of *S.* Heidelberg infections has allowed this particular serotype to rank third with 6% of the reported salmonellosis cases during 2014.

In 2014, 395 salmonellosis cases were reported in Oregon, down from a high of 511 in 2010. Ten outbreaks of salmonellosis were reported. Most of these were small; however, one large outbreak with 25 cases including six Oregon residents was associated with a particular restaurant on Kauai, Hawaii. In total, four outbreaks were foodborne, three were associated with animal contact (bearded dragon, snakes, live poultry), the others remained indeterminate despite investigations.

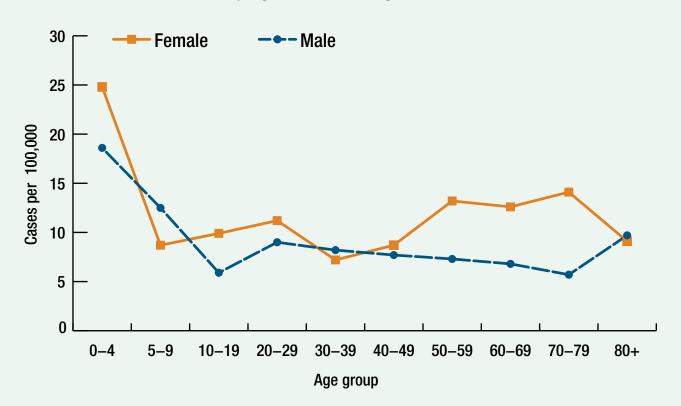
Salmonellosis by year: Oregon, 1988–2014



Salmonellosis by onset month: Oregon, 2014



Incidence of salmonellosis by age and sex: Oregon, 2014

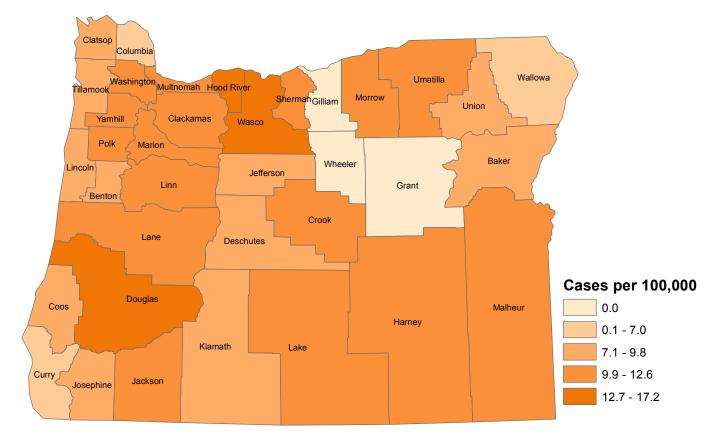


Incidence of salmonellosis: Oregon vs. nationwide, 2000-2014



Public Health Division | Salmonellosis 2014

Incidence of salmonellosis by county of residence: Oregon, 2014



Selected* salmonellosis cases by serotype, Oregon, 2005-2014

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Braenderup	1	11	8	1	21	36	9	10	7	12
Enteritidis	86	74	54	76	61	123	67	74	80	103
Hadar	5	5	1	3	7	8	8	11	6	4
Heidelberg	51	19	26	23	44	28	13	57	23	21
Infantis	5	7	5	8	9	9	13	15	10	6
Montevideo	15	13	12	15	22	12	17	13	5	4
Muenchen	8	8	9	9	10	10	5	5	3	5
Newport	17	16	17	15	15	24	13	8	15	18
Oranienburg	8	5	8	8	6	8	11	8	9	12
Saintpaul	7	10	3	23	10	13	8	3	12	10
Thompson	6	9	4	7	12	14	14	9	12	18
Typhimurium	84	90	52	65	74	40	47	50	82	61
l 4,[5],12:i:-	0	20	29	9	11	8	9	9	18	22

*Selected because at least one case was reported in 2014 and it is a more common serotype.

Prevention

- Cook poultry, ground beef and eggs thoroughly.
- Do not eat or drink foods containing raw eggs or raw (unpasteurized) milk.
- If you are served undercooked meat, poultry or eggs in a restaurant, send it back to the kitchen for further cooking.
- Wash hands, kitchen work surfaces, and utensils with soap and warm water immediately after they have been in contact with raw meat or poultry.
- Be particularly careful with foods prepared for infants, the elderly and the immunocompromised.

- Wash hands with soap and warm water after handling reptiles, birds or baby chicks, and after contact with pet feces.
- Avoid direct or even indirect contact between reptiles (turtles, iguanas, other lizards, snakes) and infants or immunocompromised persons.
- Don't work with raw poultry or meat, and an infant (e.g., feed, change diaper) at the same time.