

Selected* *Salmonella* by serotype, Oregon, 2000–2009

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Enteritidis	45	34	43	78	64	86	74	54	76	61
Heidelberg	10	26	27	12	42	51	19	26	23	44
Montevideo	20	13	17	16	15	15	13	12	15	22
Muenchen	6	8	10	5	7	8	8	9	9	10
Newport	9	16	31	38	14	17	16	17	15	15
Oranienburg	7	10	12	13	6	8	5	8	8	6
Paratyphi B var. Java	6	9	8	7	17	20	7	11	7	3
Saintpaul	12	4	18	36	16	7	10	3	23	10
Typhimurium	72	86	67	83	86	84	90	52	65	81

*Selected because at least one case was reported in 2009 and it is a more common serotype.

Shigellosis

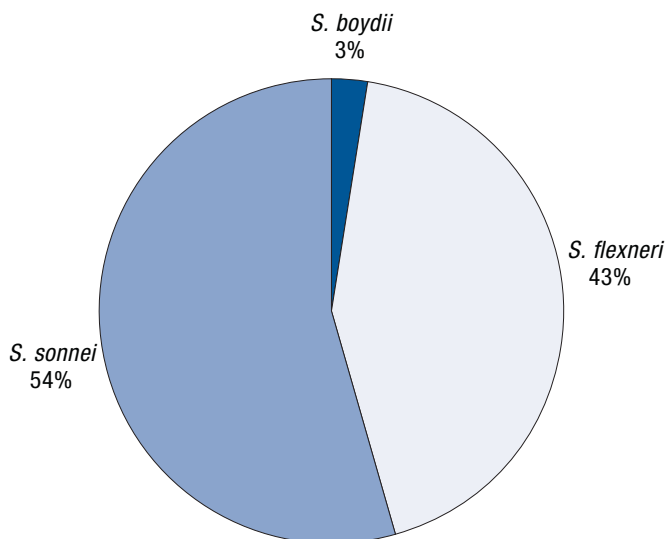
Shigellosis is an acute bacterial infection characterized by (sometimes bloody) diarrhea, vomiting, abdominal cramps and, often, fever. Humans are the only known reservoir. Shigellosis is transmitted from person to person, and just a few organisms can cause illness.

It is important to track the incidence of this disease to see trends and to detect outbreaks. The rate is higher among children 1–4 years of age. The incidence of shigellosis usually increases in late summer and fall. A large community-wide outbreak in 1991 resulted in hundreds of cases in multiple Portland metropolitan area daycare centers from April onward. At the tail end of that summer, in August, additional cases were associated with a dual pathogen outbreak (*E. coli* and *Shigella*) at Blue Lake Park in Fairview.

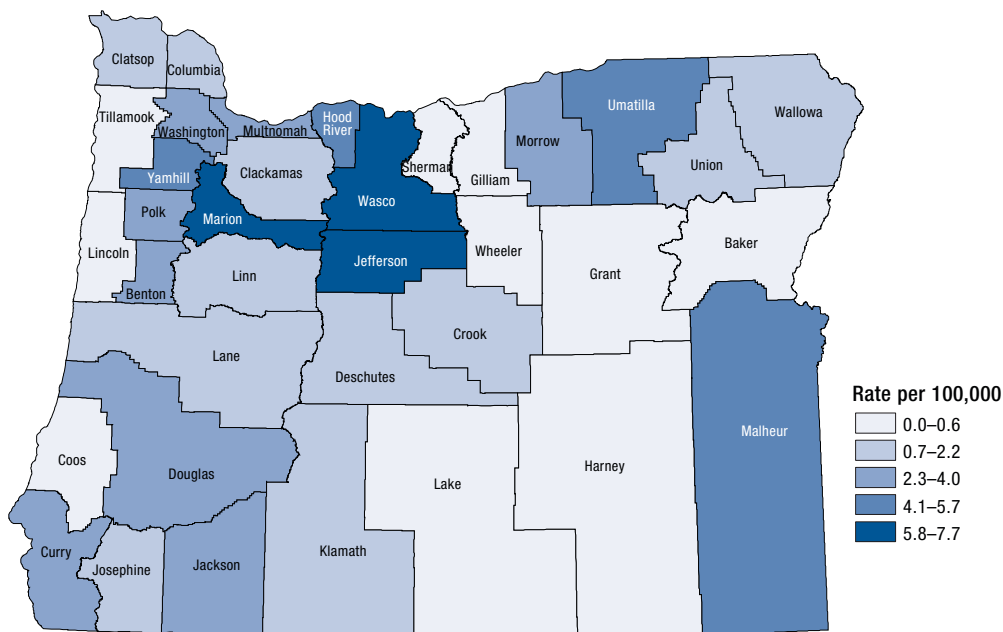
Outbreaks in daycare centers are common, mainly due to the poor hygienic practices of small children. Hand washing is the most important means of prevention. Treatment reduces duration of illness, but the organism has become resistant to many antibiotics used for empiric therapy. Testing for antibiotic susceptibility is important for treatment.

In 2008 there were 94 cases, five which were outbreak-related and 34 household transmissions. The number of cases in 2009 decreased to 56, a historic all-time low for Oregon. There were no outbreaks, 39 cases were reported as sporadic and 17 household transmission.

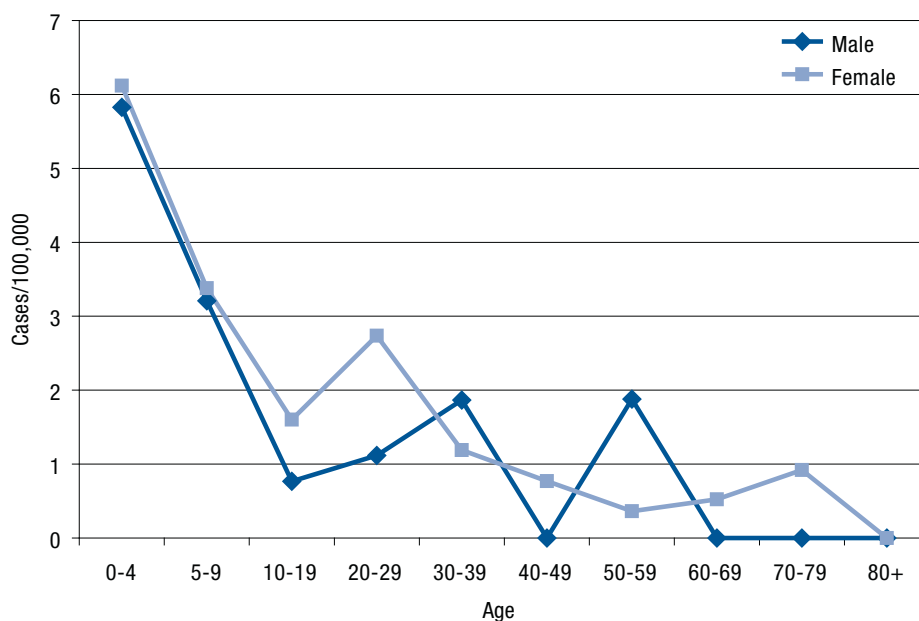
Shigellosis by species: Oregon, 2008–2009



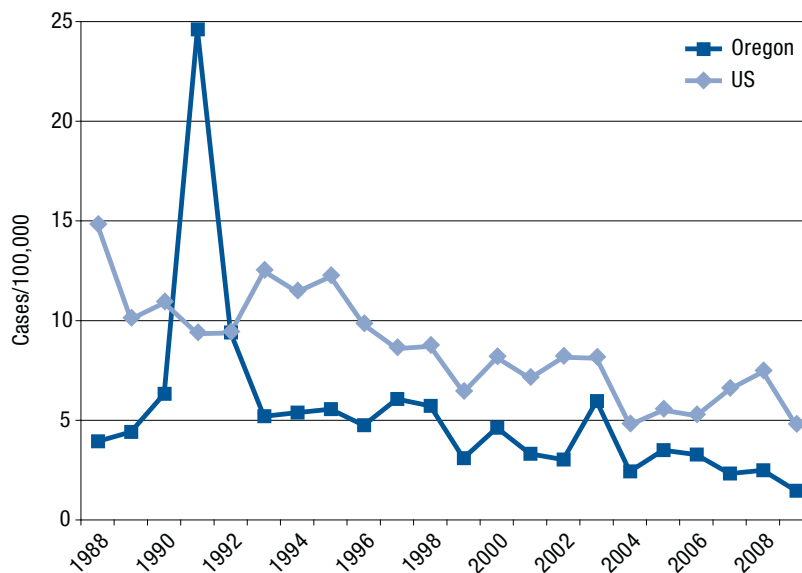
Incidence of shigellosis by county of residence: Oregon, 2000–2009



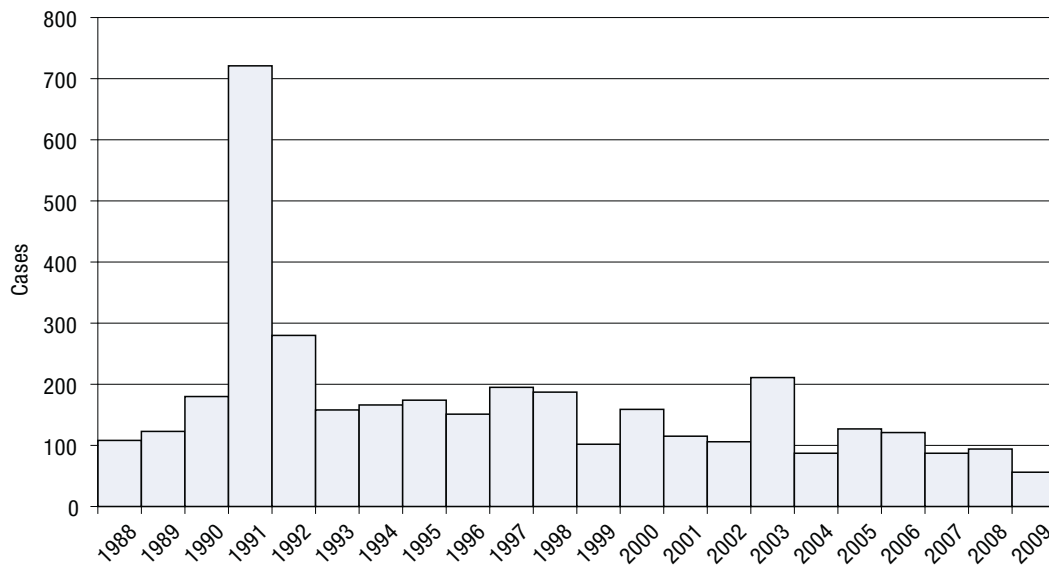
Incidence of shigellosis by age and sex: Oregon, 2009



Incidence of shigellosis: Oregon vs. nationwide, 1988–2009



Shigellosis by year: Oregon, 1988–2009



Shigellosis by onset month: Oregon, 2009

