

# Giardiasis

*Giardia intestinalis*, the flagellated protozoan originally named *G. lamblia*, is the most commonly identified parasitic pathogen in the United States. Children in daycare and their close contacts are at greatest risk, as are backpackers and campers (from drinking unfiltered, untreated water), persons drinking from shallow wells, travelers to disease-endemic areas and men who have sex with men.

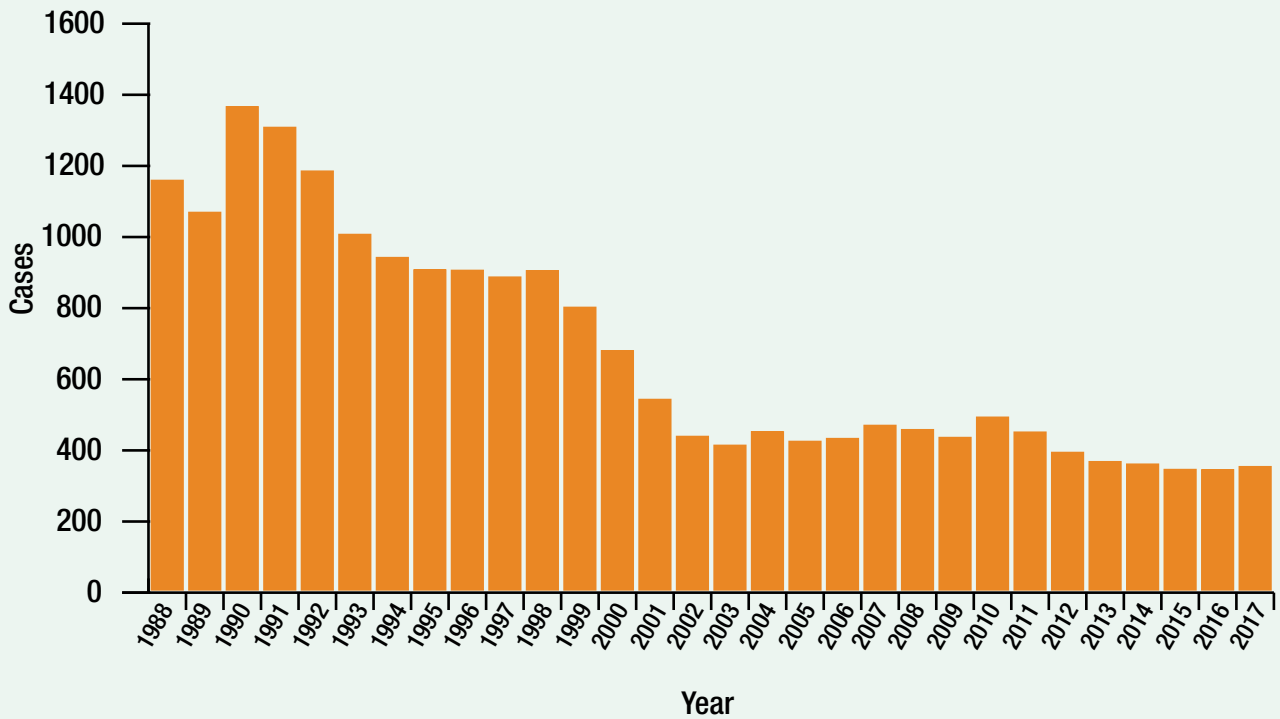
*Giardia* cysts can be excreted in the stool intermittently for weeks or months, resulting in a protracted period of communicability. Transmission occurs when as few as 10 cysts are ingested through person-to-person or animal-to-person contact, or by ingesting fecally contaminated water or food. Because most human cases follow person-to-person transmission, identification and treatment of giardiasis as well as management of individuals' contacts should prevent further spread of infection.

Most *Giardia* infections occur without symptoms. When symptomatic, patients report chronic diarrhea; steatorrhea; abdominal cramps; bloating; frequent loose and pale, greasy stools; fatigue and weight loss.

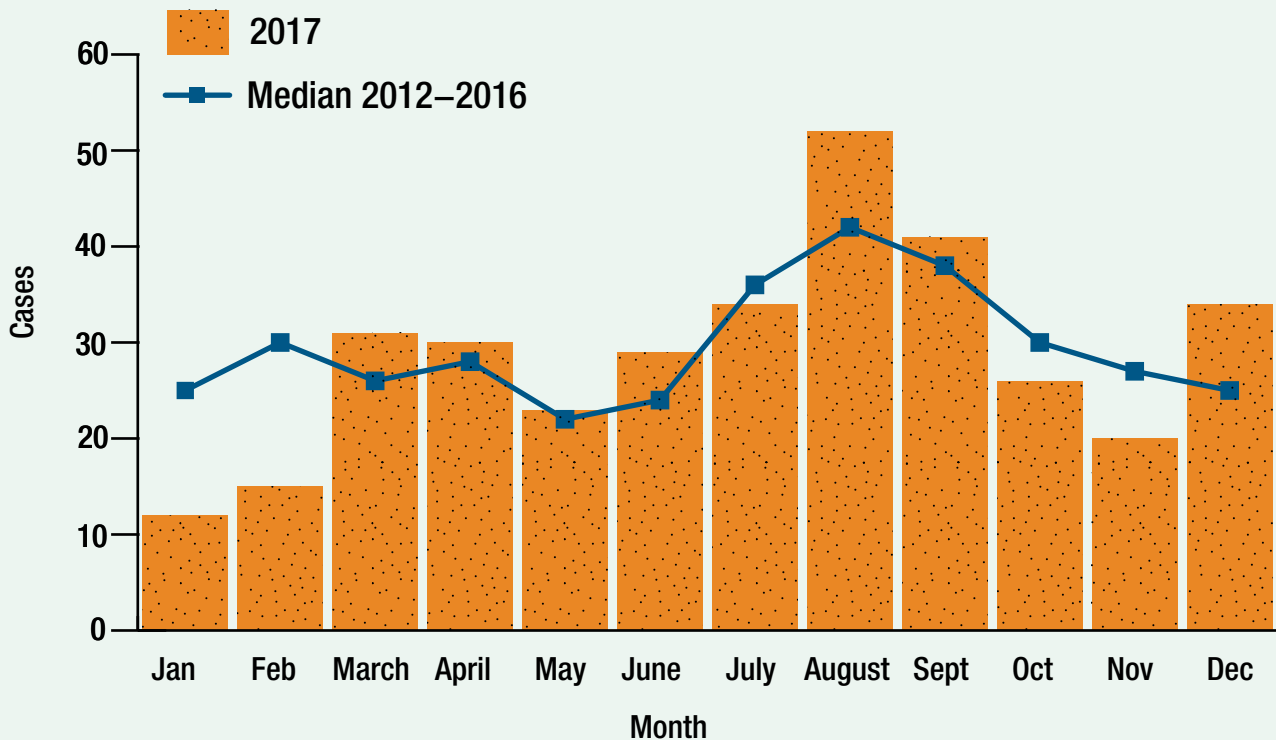
In 2017, the reported incidence of giardiasis in Oregon remained almost twice that of the rest of the United States, with 8.4 cases per 100,000 persons. During 2017, 88% of the cases were reported as “sporadic”; 8% were transmitted among household members and one daycare outbreak of 11 cases was reported. Children aged 0–4 years had the highest incidence in 2017, with 13.1 cases per 100,000 population. Rates of infection tend to be higher in the summer months with transmission related to outdoor activities in or near untreated water.

Giardiasis is treatable, though treatment fails 10% of the time. Treatment failure, however, is not thought to indicate resistance. A repeat course of the same or another medication may work.

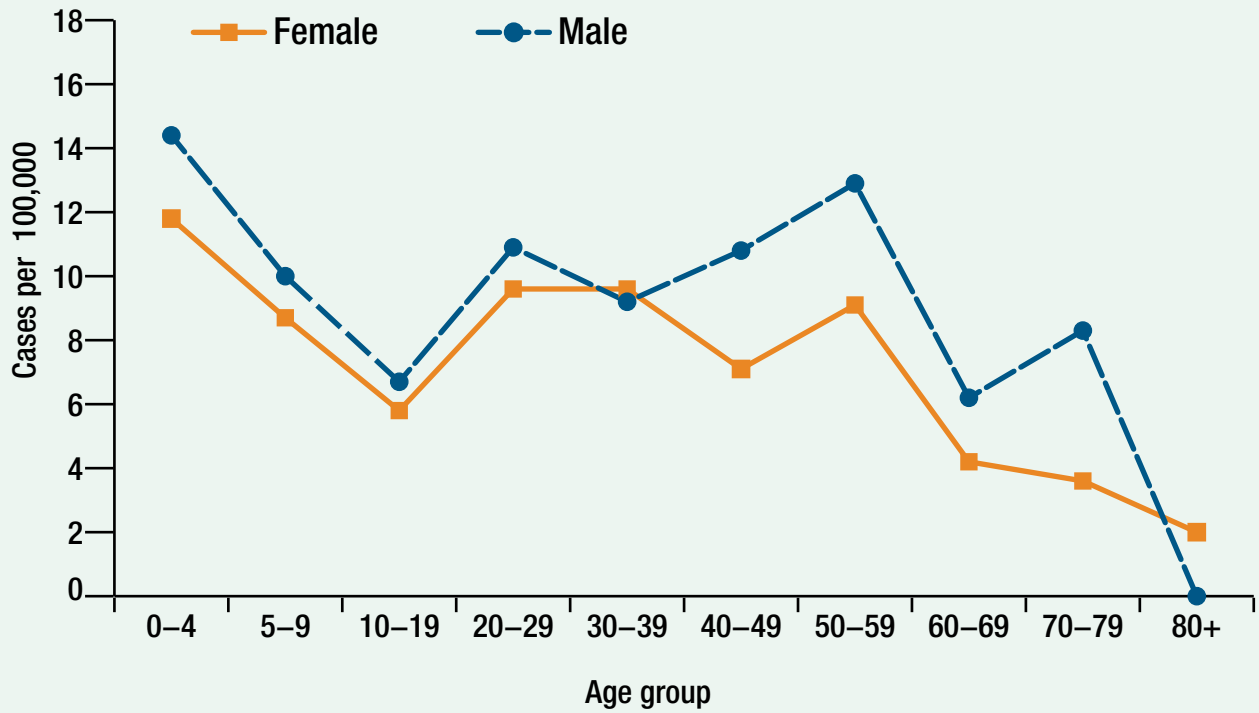
## Giardiasis by year: Oregon, 1988–2017



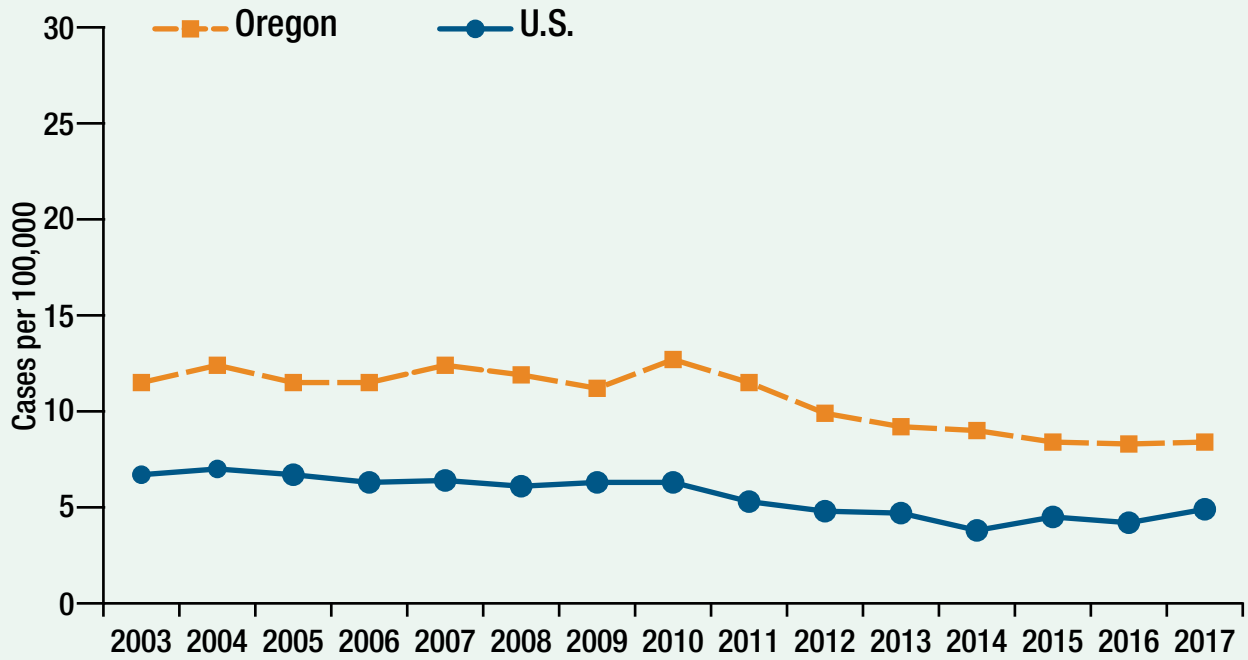
## Giardiasis by onset month: Oregon, 2017



### Incidence of giardiasis by age and sex: Oregon, 2017

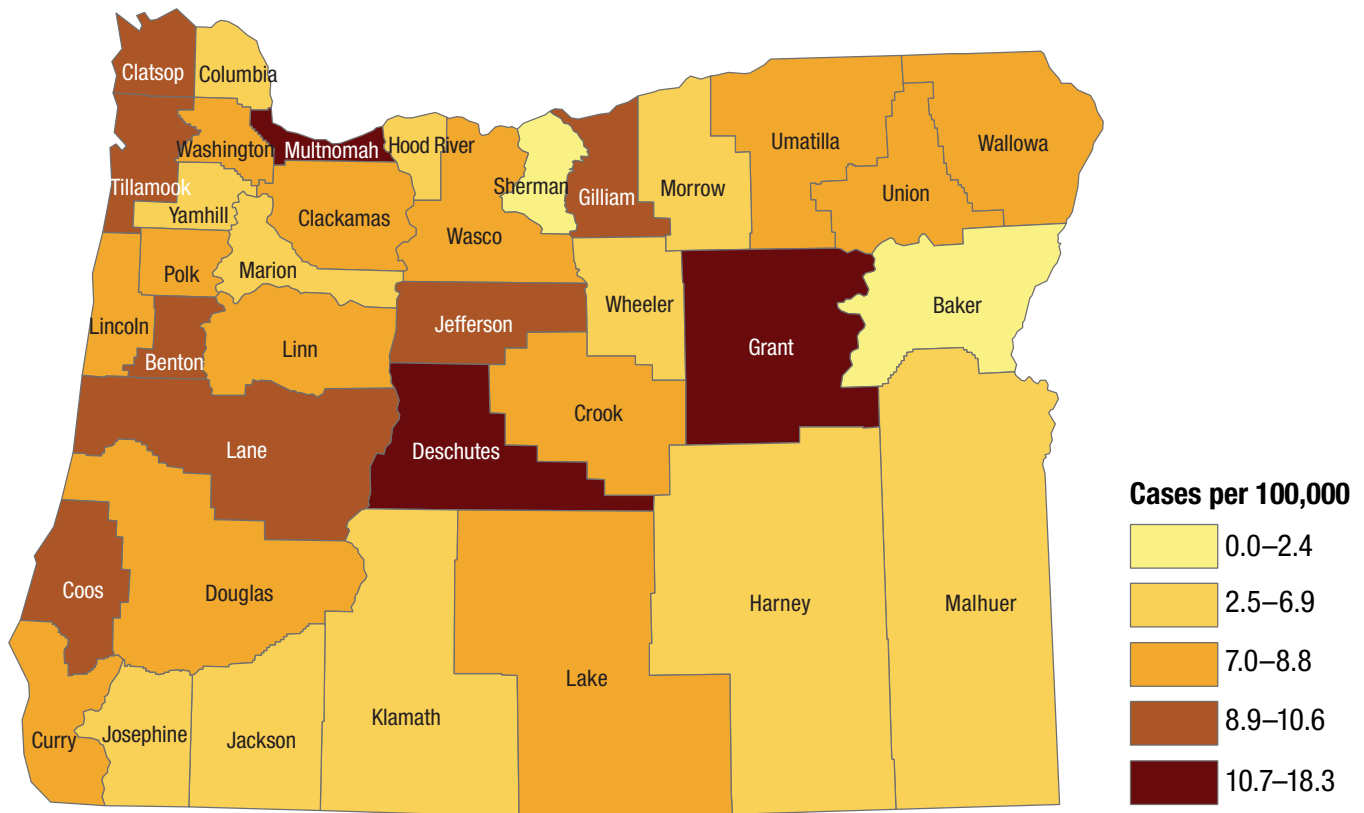


### Incidence of giardiasis: Oregon vs. nationwide: 2003–2017



Oregon	11.5	12.4	11.5	11.5	12.4	11.9	11.2	12.7	11.5	9.9	9.2	9.0	8.4	8.3	8.4
U.S.	6.7	7.0	6.7	6.3	6.4	6.1	6.3	6.3	5.3	4.8	4.7	3.8	4.5	4.2	4.9

## Incidence of giardiasis by county of residence: Oregon, 2008–2017



### Prevention

- Wash hands with soap carefully and frequently, especially after going to the bathroom, after changing diapers or after touching livestock. Supervise hand washing of toddlers and small children after they use the toilet.
- Do not work or attend daycare, serve or prepare food, or work in health care while ill with diarrhea.
- Refrain from recreational water activities (pools, hot tubs, splash pads) for two weeks after symptoms from a bout of giardiasis subside.
- Do not drink untreated surface water.