

Cryptosporidiosis

2010 Case Total	122	2010 Incidence Rate	3.3 per 100,000
2009 Case Total	141	2009 Incidence Rate	3.9 per 100,000

The number of cryptosporidiosis cases reported in Oklahoma during 2010 was a 13.5% decrease compared to the 141 cases reported during 2009. Of the 122 reported cases, 93 (76%) were laboratory-confirmed cases of cryptosporidiosis and 29 (24%) were symptomatic exposed contacts to a confirmed case identified during public health investigations conducted by county health department communicable disease nurses. No outbreaks of cryptosporidiosis were reported in Oklahoma during 2010.

The highest incidence rate of cryptosporidiosis occurred in persons under 10 years of age (5.5 per 100,000 population). Twelve (10%) cases reported working in or attending a child care setting. Twelve (10%) cases reported out-of-state travel and 9 (7%) reported international travel to various countries including Mexico, Ethiopia, Morocco, and Costa Rica. A seasonal trend was observed in 2010 with the majority of cases (60%) reporting onset of symptoms from June through September. The highest incidence rates of cryptosporidiosis occurred among residents of Carter (33.1 per 100,000 population), Johnston (28.7 per 100,000 population), and Ellis Counties (32.8 per 100,000 population). Regular handwashing with soap and water, whether you are ill or well, is the single most important thing you can do to prevent cryptosporidiosis and other diarrheal illnesses. For more information about preventing cryptosporidiosis and other waterborne diseases, visit <http://ads.health.ok.gov>.

Demographic Summary of Reported Cryptosporidiosis Cases, Oklahoma, 2010 (N = 122)

	Number (%)	Incidence Rate per 100,000
Gender		
Female	67 (55%)	3.59
Male	55 (45%)	3.02
Age	Median = 35.5 years (range: 6 months – 91 years)	
Race		
White	94 (77%)	3.27
Black or African American	5 (4%)	1.68
American Indian or Alaskan Native	9 (7%)	3.04
Two or more races	2 (2%)	1.32
Unknown	12 (10%)	-
Ethnicity		
Hispanic or Latino	7 (6%)	2.32
Not Hispanic or Latino	95 (78%)	2.81
Unknown	20 (16%)	-
Hospitalization	28* (23%)	-
Death	0† (0%)	-
Symptoms		
Diarrhea	119 (98%)	-
Watery diarrhea	102 (84%)	-
Abdominal cramps	87 (71%)	-
Anorexia	75 (61%)	-
Duration of diarrhea	Median = 7 days (range: 1 – 120 days)	
Number of loose stools in a 24-hour period	Median = 8 stools (range: 1 – 140 stools)	

* Twenty-eight cases were hospitalized with cryptosporidiosis or found to have cryptosporidiosis during a hospital stay for an underlying condition

† There were three deaths among cases. Each of these cases had additional underlying conditions at the time of death, and cryptosporidiosis was not considered the primary cause of death for any of these cases.