

Cryptosporidiosis

2008 Case Total	238	2008 Rate	6.5 per 100,000
2007 Case Total	216	2007 Rate	6.3 per 100,000

Two hundred thirty-eight cases of cryptosporidiosis were reported to the OSDH resulting in an incidence rate of 6.5 per 100,000. The number of cases reported in 2008 was a 9% increase compared to the 216 cases reported during 2007. Among cases in 2008, predominant symptoms included diarrhea (99.5%, N=237), abdominal cramps (89.1%, N=189), watery diarrhea (85.8%, N=176) and weight loss (64.8%, N=151). The duration of diarrhea ranged from one day to 180 days with a median of 10 days; the median number of loose stools within a 24 period was 6 with a range from one to 60. The incidence rate of cryptosporidiosis in those under the age of 10 (16.3 per 100,000 population) was between 1.6 and 13.6 times greater than across all other age groups (refer to table). Twenty-five (11%) cases reported working in or attending a childcare setting.

A seasonal trend was observed in 2008 with the majority of cases (69%) reporting a symptom onset during the months of August and September. The highest incidence rates of cryptosporidiosis were in McClain (77.2 per 100,000 population) and Cleveland Counties (29.2 per 100,000 population) accounting for 39.9% of cases statewide. Investigations conducted by the OSDH and county health departments determined cases in these counties reported swimming in several public and private swimming pools or splash pads located in Cleveland County. Public bathing place inspections were conducted and educational materials regarding prevention of diarrheal illnesses were provided to public pool operators. For more information about preventing cryptosporidiosis and other waterborne diseases, visit <http://ads.health.ok.gov>.

Summary Statistics Cryptosporidiosis in Oklahoma, 2008

	Number (%)	Rate/100,000
<u>Gender</u> (N=238)		
Female	134 (56.3%)	5.6
Male	104 (43.7%)	5.6
Age (median and range)	Median = 18.5 years Ranged: 5 months – 83 years	--
<u>Age Groups</u>		
Less than 10 years	84 (35.3%)	16.3
10-19	48 (20.1%)	9.8
20-29	39 (16.3%)	7.2
30-39	30 (12.6%)	6.6
40-49	17 (7.1%)	3.5
50-59	6 (2.5%)	1.3
60 years or older	13 (6.7%)	1.2
<u>Race</u> (N=226)		
White	203 (89.8%)	7.1
Black or African American	8 (3.5%)	2.8
American Indian or Alaskan Native	11 (4.8%)	3.8
Asian	1 (0.4%)	1.6
Two or more Races	3 (1.3%)	2.0
<u>Ethnicity</u> (N=219)		
Hispanic	16 (7.3%)	5.7
Hospitalized (N=238)	20 (8.4%)	--