

Microbe Monthly

Communicable Disease Report

June – July 2010

El Paso County Department
of Health & Environment

Summary of 2009 Reportable Infectious Diseases, Outbreaks and Trends of Gastrointestinal Infection Rates

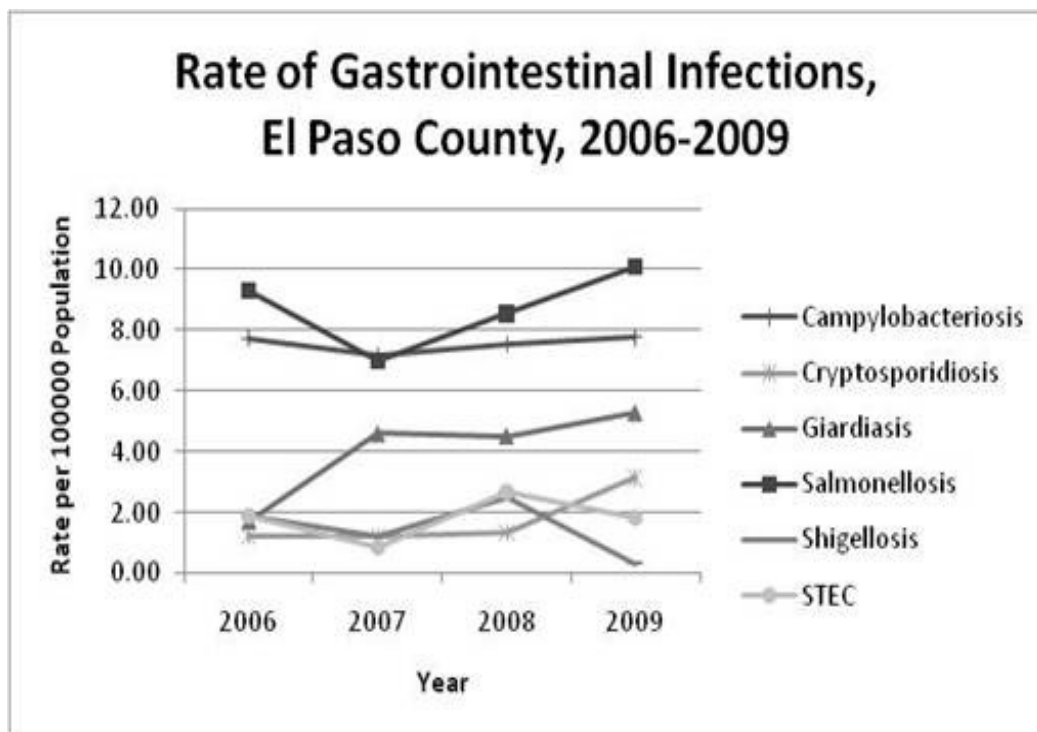
	2009 Reported Outbreaks	Total No. of Person Ill
Foodborne Spread		
Norovirus	2	42
Toxin	4	128
Unknown Gastrointestinal Illness	1	2
Person-to-Person Spread		
Influenza	15	808
Norovirus	8	248
Unknown Gastrointestinal Illness	1	10
Pertussis (Whooping Cough)	3	35
Shiga-Toxin Producing E. Coli and Salmonella	1	9
Total Outbreaks	35	1282

Outbreaks

Public health communicable disease specialists investigated 35 outbreaks, which are summarized in the adjacent table. Outbreak settings included summer camps, a national traveling children's choir, military installations, schools, and residential facilities. All influenza outbreaks were caused by the 2009 influenza A H1N1.

Trends in Gastrointestinal Infections

Gastrointestinal infections account for the highest number of reportable diseases in El Paso County, aside from influenza-associated hospitalizations. The adjacent graph displays the rates of infection due to Campylobacter, Cryptosporidium, Giardia, Salmonella, Shigella, and Shiga-toxin producing *E. coli* (STEC) in El Paso County during 2006-2009. In 2009, we experienced increased rates of salmonellosis, giaradiasis, and cryptosporidiosis as compared to the previous 3 years.



2009 Communicable Diseases Reported and Rates in El Paso County and Colorado

Types of Disease	Reportable Conditions/Diseases	No. of El Paso County Cases	Rates per 100,000 in El Paso County	No. of Cases in Colorado	Rates per 100,000 in Colorado
Vaccine Preventable	Haemophilus Influenza--Invasive	8	1.3	76	1.5
	Hepatitis A	7	1.2	53	1.0
	Influenza associated hospitalizations (Sep 2009 to May 2010)	188	31.0	2056	41.1
	Meningococcal Disease	2	0.3	24	0.5
	Pertussis (Whooping Cough)	20	3.3	233	4.6
	Varicella	60	9.9	515	10.1
	Streptococcus pneumonia - Invasive	65	10.7	623	12.3
	Total Vaccine Preventable Diseases	350		3580	
	Campylobacteriosis	47	7.8	759	14.9
	Cryptosporidiosis	19	3.1	138	2.7
Foodborne and Enteric	Giardiasis	32	5.3	501	9.9
	Salmonellosis	61	10.1	622	12.2
	Shigellosis	2	0.3	103	2.0
	Shiga-Toxin Producing E. Coli	11	1.8	168	3.3
	Total Foodborne and Enteric Diseases	172		2291	
	Lyme Disease	1	0.2	1	<0.1
	Plague	0	0.0	0	0.0
Zoonotic	West Nile Virus	0	0.0	103	2.0
	Meningitis/Encephalitis	57		371	
	Legionellosis	1	0.2	33	0.6
Other Important Reportable Diseases	Malaria	2	0.3	26	0.5
	Tuberculosis	7	1.2	85	1.7

This table shows selected reportable diseases/conditions in El Paso County and the state of Colorado. Population denominator data is from the Colorado Department of Local Affairs.