

## Infectious Diseases

Fifty-one specific infectious diseases are listed as reportable conditions in the Iowa Administrative Code 641, Chapter 1, although many other diseases are reportable as rare or unusual diseases. Disease surveillance, consulting, and outbreak management are provided by the Center for Acute Disease Epidemiology. The Bureau of Prevention and Immunization provided education programs and vaccine distribution services. Local public health nurses or

### HIGHLIGHTS...

- ✓ IDPH received 1963 disease reports of cases of Mumps in 2006.
- ✓ IDPH received 1106 disease reports of cases of Pertussis in 2005.
- ✓ IDPH followed-up on 475 cases of Salmonella in 2006

disease prevention specialists, in conjunction with the staff epidemiologists at the Iowa Department of Public Health, interview persons with selected conditions or diseases and conduct investigations of disease outbreaks. Disease prevention steps include promoting vaccinations, partner counseling/referral services for sexually transmitted diseases, and disease

education initiatives.

Increases in reported cases of certain infectious diseases are often the result of specific outbreak situations:

- Increases in Hepatitis A cases reported from 1996–1998 were due to outbreaks in Woodbury (1996) and Polk (1997-1998) counties and were related to transmission among methamphetamine users.
- An imported case of measles occurred in 2004 in an Iowa resident returning from India. Two additional cases of measles were traced back to the imported case.
- Iowa experienced large outbreaks of pertussis and mumps cases statewide during the 2004-2006 timeframe.
- The outbreak of rubella in 1999 originated in a Hispanic migrant worker population. Immunization clinics were held in a number of packing plants across the state to contain the outbreak.

Infectious diseases continue to be a concern, and IDPH is working daily to control local outbreaks.

## Sexually Transmitted Diseases<sup>1</sup> 2005-2006

	County	#	Crude Rate <sup>2</sup>	County	#	Crude Rate <sup>2</sup>	
Counties with Average Population < 10,000	Adair	13	0.8	Monona	25	1.3	
	Adams	10	1.2	Monroe	12	0.8	
	Audubon	14	1.1	Osceola	*	*	
	Clarke	36	2.0	Palo Alto	30	1.6	
	Davis	8	0.5	Pocahontas	11	0.7	
	Decatur	21	1.2	Ringgold	10	0.9	
	Fremont	17	1.1	Taylor	6	0.5	
	Howard	20	1.0	Van Buren	19	1.2	
	Ida	10	0.7	Wayne	12	0.9	
	Lucas	24	1.3	Worth	14	0.9	
				<b>Total</b>	312-316	0.8-1.0	
	Counties with Average Population 10,000 – 20,000	Allamakee	37	1.3	Hardin	45	1.3
		Appanoose	45	1.7	Humboldt	62	3.1
Butler		32	1.1	Iowa	44	1.4	
Calhoun		11	0.5	Jefferson	39	1.2	
Cass		26	0.9	Keokuk	35	1.6	
Cedar		50	1.4	Kossuth	19	0.6	
Cherokee		14	0.6	Louisa	42	1.8	
Chickasaw		25	1.0	Lyon	5	0.2	
Clay		37	1.1	Mitchell	9	0.4	
Clayton		25	0.7	Montgomery	39	1.7	
Crawford		71	2.1	O'Brien	14	0.5	
Delaware		25	0.7	Page	34	1.0	
Dickinson		33	1.0	Poweshiek	68	1.8	
Emmet		37	1.8	Sac	17	0.8	
Floyd		49	1.5	Shelby	23	0.9	
Franklin		26	1.2	Tama	89	2.5	
Greene		18	0.9	Union	37	1.5	
Hamilton		26	0.8	Winnebago	37	1.6	
Hancock		27	1.2	Wright	45	1.7	
			<b>Total</b>	1,317	1.2		
Counties with Average Population > 20,000	Boone	90	1.7	Lee	194	2.7	
	Buchanan	50	1.2	Mahaska	101	2.3	
	Buena Vista	55	1.4	Marion	83	1.3	
	Carroll	41	1.0	Marshall	303	3.8	
	Cerro Gordo	212	2.4	Muscatine	223	2.6	
	Clinton	347	3.5	Plymouth	59	1.2	
	Des Moines	460	5.6	Sioux	49	0.8	
	Fayette	61	1.4	Wapello	250	3.5	
	Henry	91	2.2	Webster	367	4.7	
	Jackson	56	1.4	Winneshiek	62	1.5	
	Jasper	90	1.2	<b>Total</b>	3,244	2.5	
MSA Counties	Benton	66	1.2	Linn	1,866	4.6	
	Black Hawk	1,732	6.9	Madison	47	1.5	
	Bremer	60	1.3	Mills	38	1.2	
	Dallas	113	1.1	Polk	4,295	5.3	
	Dubuque	646	3.5	Pottawattamie	467	2.6	
	Grundy	20	0.8	Scott	2,286	7.1	
	Guthrie	12	0.5	Story	559	3.5	
	Harrison	21	0.7	Warren	132	1.5	
	Johnson	1,109	4.7	Washington	72	1.7	
	Jones	51	1.2	Woodbury	1,023	5.0	
				<b>Total</b>	14,615	4.5	
<b>State Total</b>	19,488-92	3.2-3.3					

<sup>1</sup>Includes syphilis, gonorrhea, and chlamydia, but not latent cases (infection > 1 year)

<sup>2</sup>Rates per 1,000 population

Source: Disease Prevention Program, Iowa Department of Public Health

## Sexually Transmitted Diseases by County Group 1993-2006



## Selected Infectious Diseases State of Iowa 1998-2006

	Number of Cases Reported								
	1998	1999	2000	2001	2002	2003	2004	2005	2006
AIDS	60	78	79	80	75	76	69	78	78
Campylobacteriosis	455	467	499	467	427	458	559	537	449
Chlamydia	5,173	5,511	5,994	5,716	6,236	6,462	6,973	7,390	8,399
Cryptosporidiosis	66	56	77	82	49	122	90	122	230
E. coli	93	114	180	81	122	103	124	108	161
Giardiasis	429	377	420	345	315	277	301	280	302
Gonorrhea	1,615	1,365	1,380	1,424	1,495	1,544	1,254	1,606	1,981
Hepatitis A	400	161	67	41	72	40	50	22	13
Measles	0	0	0	0	0	0	3	0	0
Mumps	11	8	8	1	1	2	2	6	1,963
Pertussis	78	111	67	167	230	182	1,066	1,106	342
Rubella	0	30	0	1	0	0	0	0	0
Salmonella	375	260	373	339	509	413	435	410	475
Shigellosis	69	74	569	367	122	93	64	103	134
Syphilis <sup>1</sup>	5	9	11	5	10	12	6	9	21
Tuberculosis	55	58	37	42	31	40	47	55	40

<sup>1</sup>Primary or secondary

Source: Bureau of Infectious Diseases, Iowa Department of Public Health