



Monthly health and disease summary

September 2011

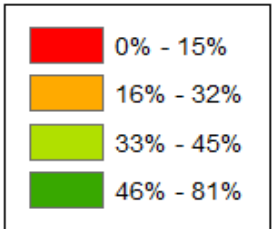
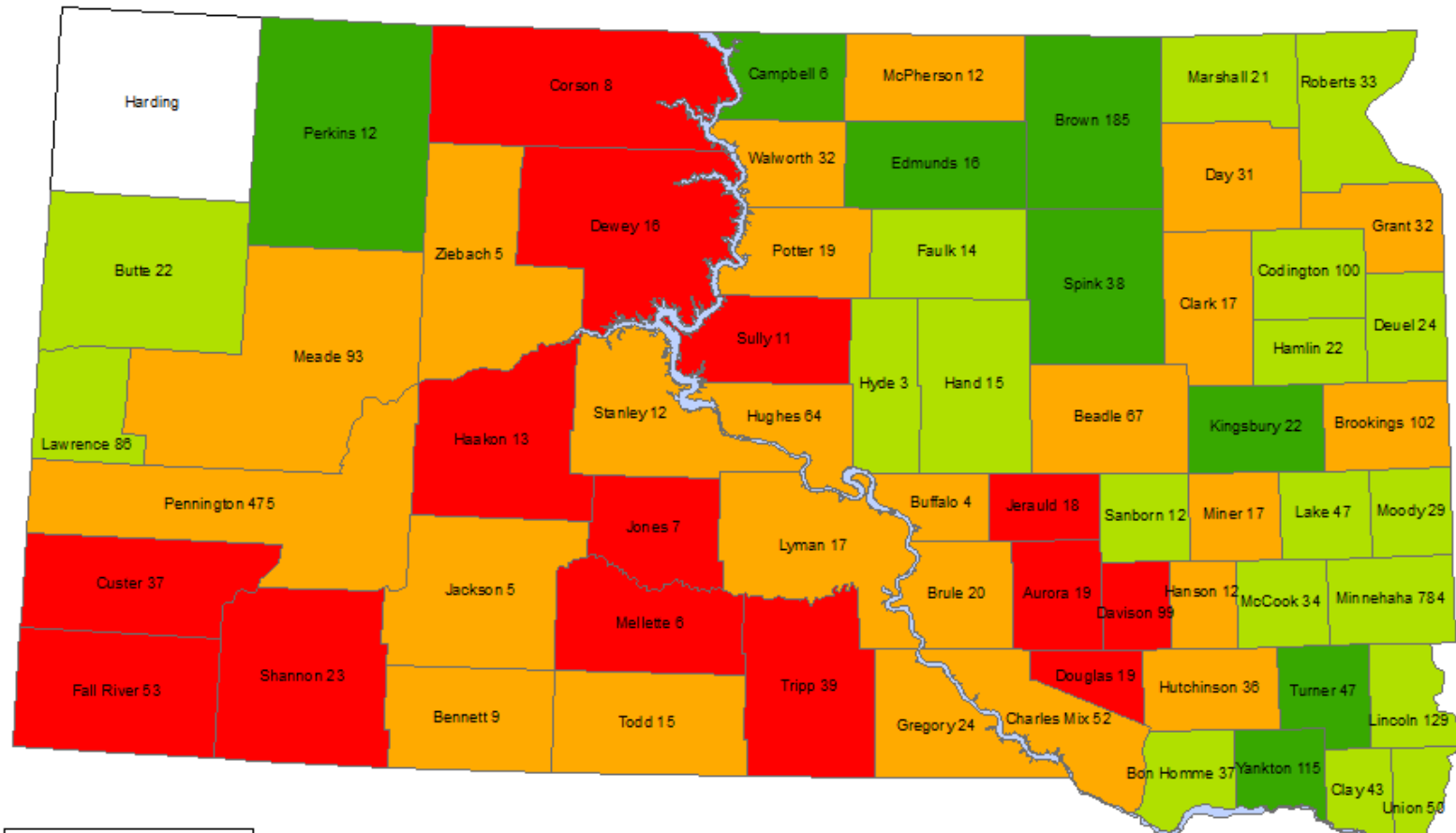
South Dakota Department of Health

<http://doh.sd.gov>

Photo: Capitol sunset in Pierre by C. Coppess at [www.dakotagraph.com](http://www.dakotagraph.com)



## Lumpectomy and Excisional Biopsy Distribution Among Women Diagnosed with Early Stage Breast Cancer in South Dakota 2001-2008



Thirty-three percent of 3,500 statewide women diagnosed with early stage breast cancer (in situ, localized) received less invasive lumpectomy or excisional biopsy surgery, while 64% received mastectomy (partial, total, modified radical, radical). Counties colored red and orange were below 33%. The percentages in the three most populated counties were Minnehaha 39%, Pennington 23%, and Brown 49%. The numbers behind each county name are the total women diagnosed with early stage breast cancer. Numbers below three were suppressed.

Data Source: South Dakota Cancer Registry

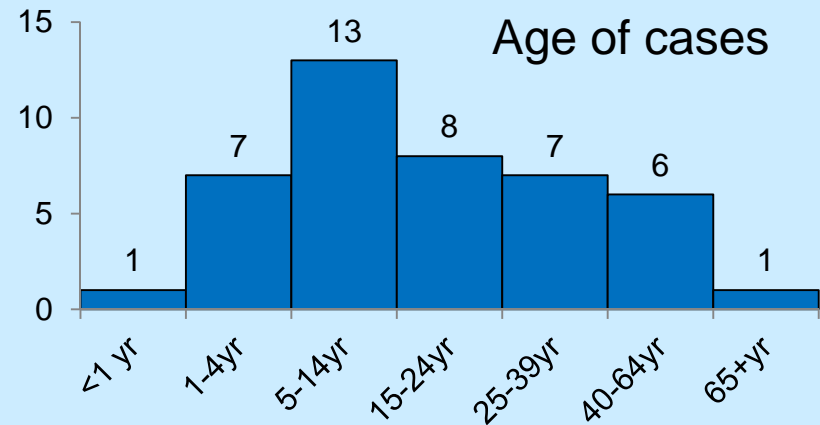
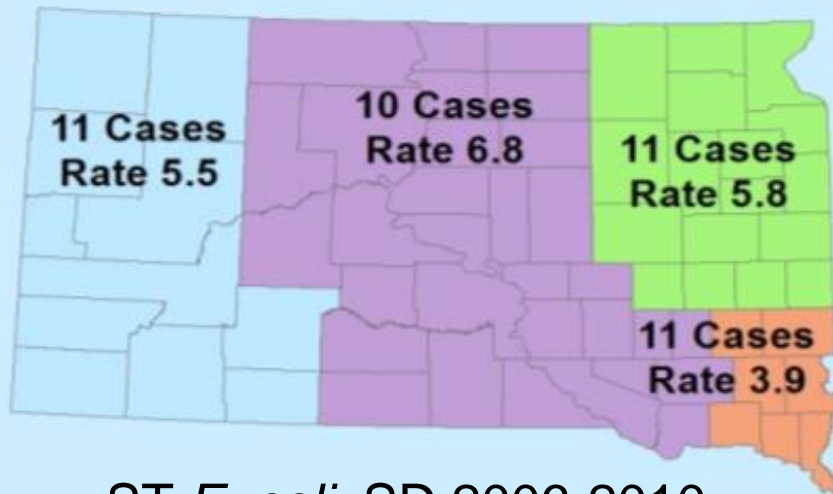
1 Jan – 30 Sept 2011, *Provisional data*

## South Dakota infectious disease summary 2011

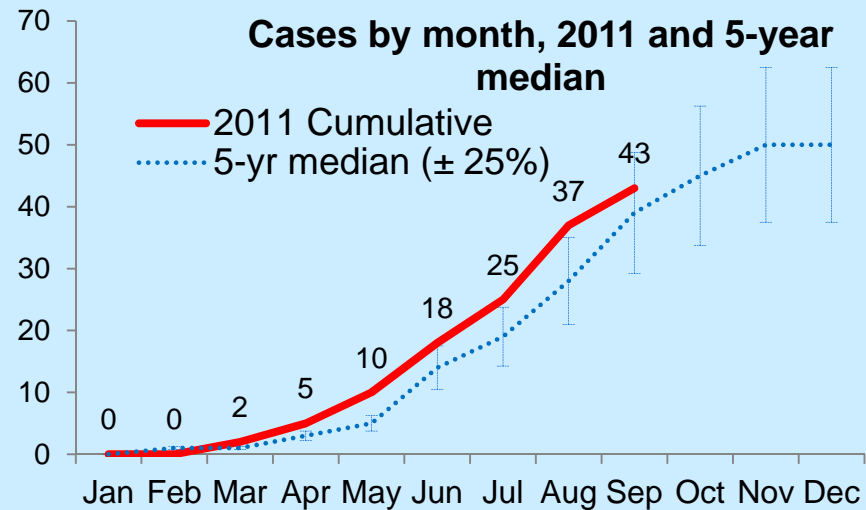
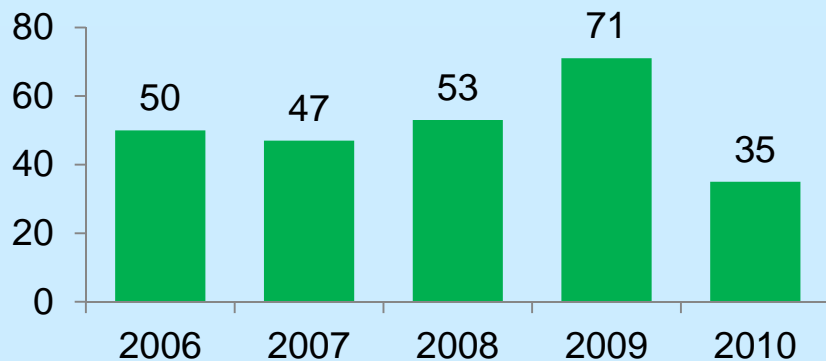
<b>Diseases/Agent</b>	<b>Cases</b> year-to-date	<b>Rate</b> (cases per 100,000 population)	<b>5-yr median</b> cases (2006-2010)	<b>Percent</b> <b>change</b>
<b>Campylobacter</b>	<b>258</b>	31.7	219	+18%
<b>Chlamydia</b>	<b>2399</b>	294.7	2178	+10%
<b>Cryptosporidiosis</b>	<b>123</b>	15.1	98	+26%
<b><i>E. coli</i>, shiga toxin-producing</b>	<b>43</b>	5.3	39	+10%
<b>Giardiasis</b>	<b>68</b>	8.4	81	-16%
<b>Gonorrhea</b>	<b>381</b>	46.8	275	+39%
<b>HIV AIDS</b>	<b>11</b>	1.4	21	-48%
<b>MRSA, invasive</b>	<b>66</b>	8.1	63	+5%
<b>Pertussis</b>	<b>24</b>	2.9	30	-20%
<b>Rabies, animal</b>	<b>23</b>	2.8	27	-15%
<b>Salmonella</b>	<b>134</b>	16.5	124	+8%
<b>Tuberculosis</b>	<b>11</b>	1.4	12	-8%
<b>West Nile</b>	<b>0</b>	0.0	39	-100%

# E. coli, shiga toxin-producing, South Dakota

**E. Coli, Shiga Toxin-Producing  
South Dakota 43 Cases  
(Rate 5.3 per 100,000 population)**

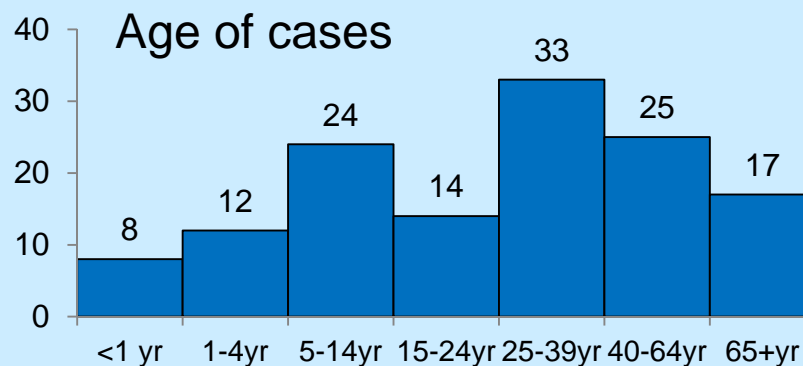
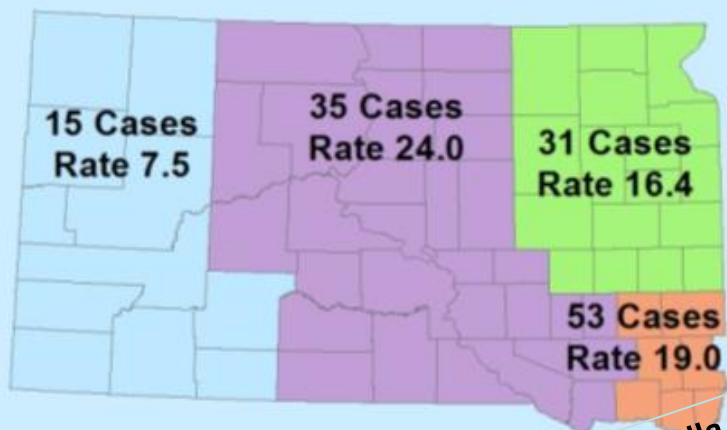


**ST *E. coli*, SD 2006-2010**

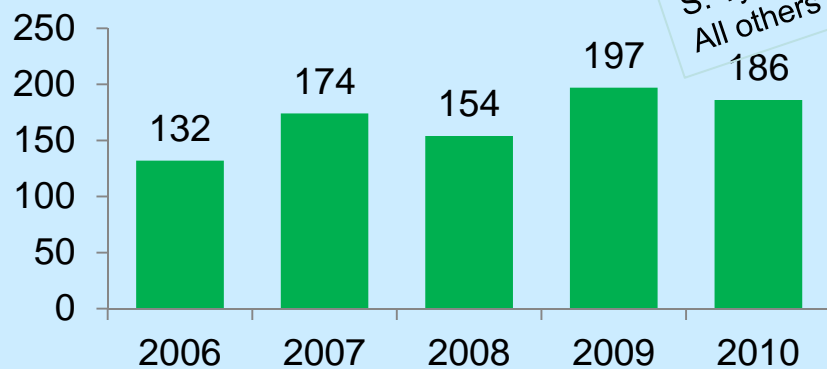


# Salmonellosis, South Dakota

**Salmonellosis**  
**South Dakota 134 Cases**  
 (Rate 16.5 per 100,000 population)



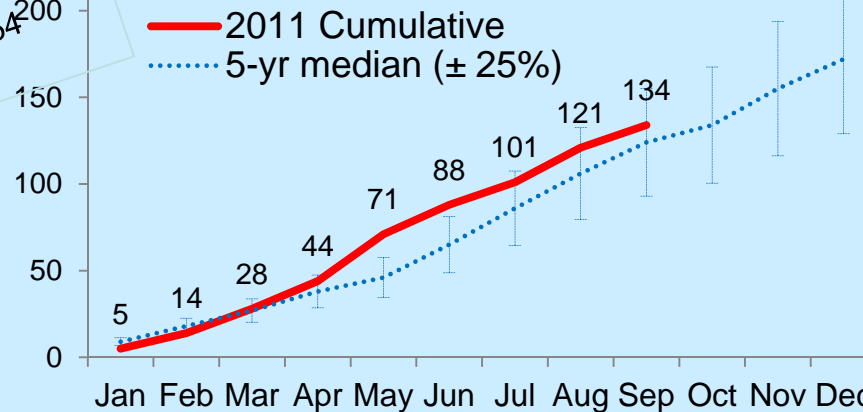
## Salmonella, SD 2006-2010



### Salmonella serotypes

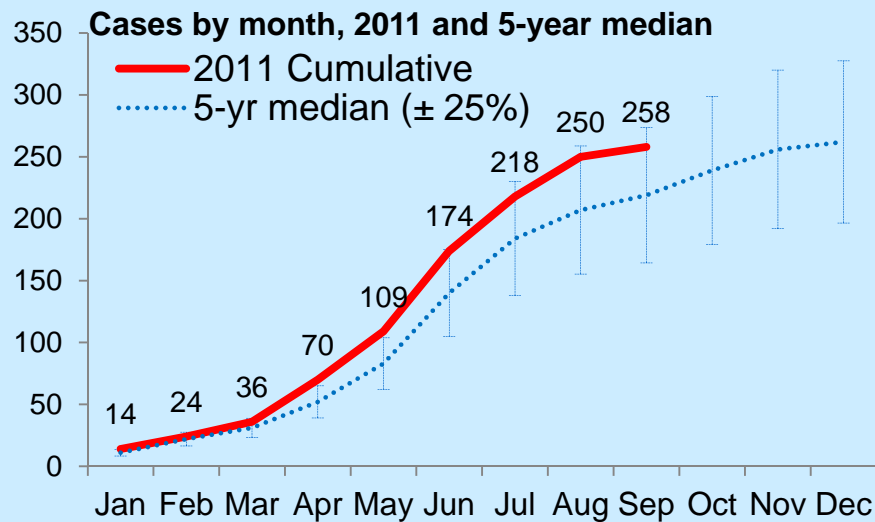
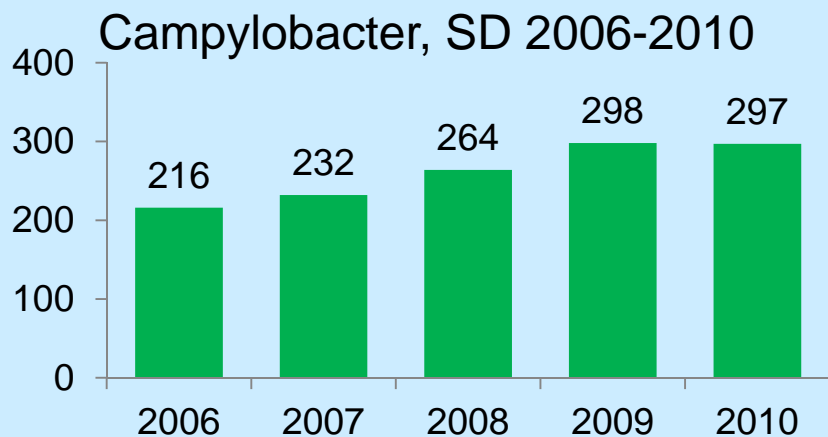
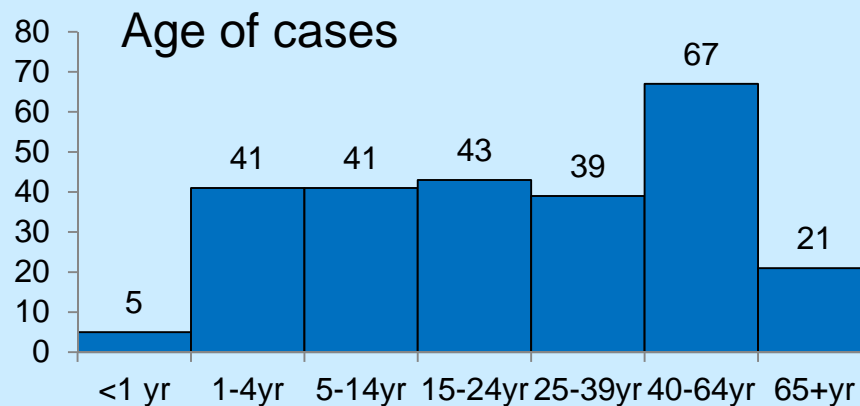
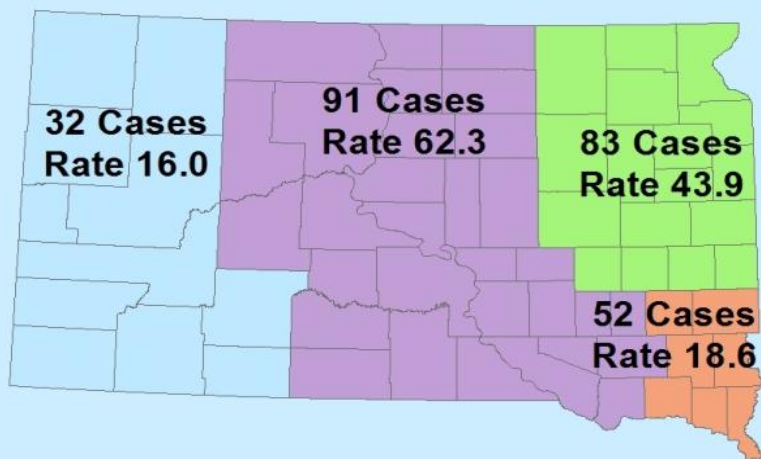
- S. Enteritidis 24
- S. Heidelberg 4
- S. Newport 9
- S. SaintPaul 4
- S. Typhimurium 54
- All others 35

### Cases by month, 2011 and 5-year median



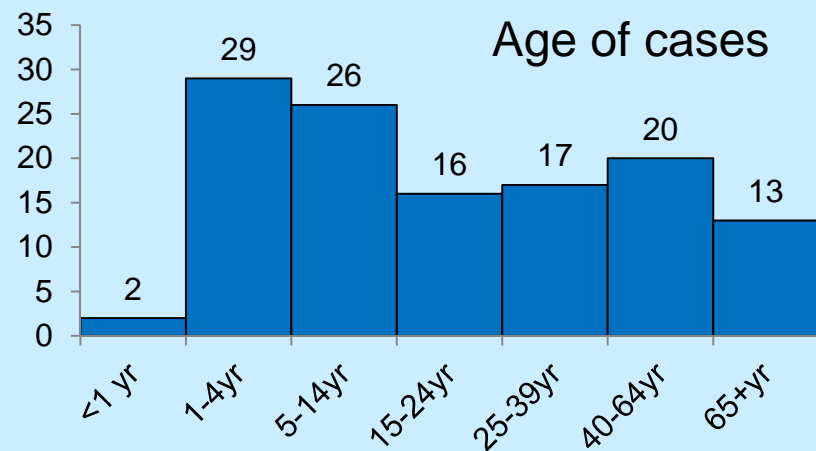
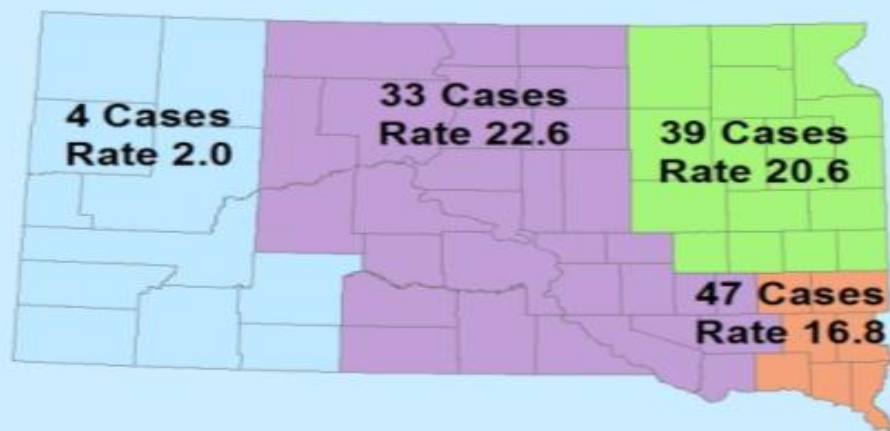
# Campylobacteriosis, South Dakota

**Campylobacteriosis**  
**South Dakota 258 Cases**  
**(Rate 31.7 per 100,000 population)**

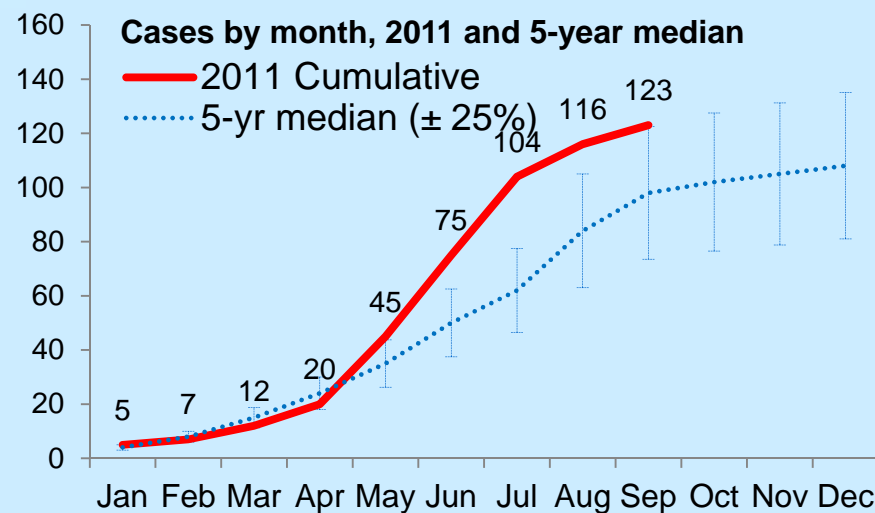
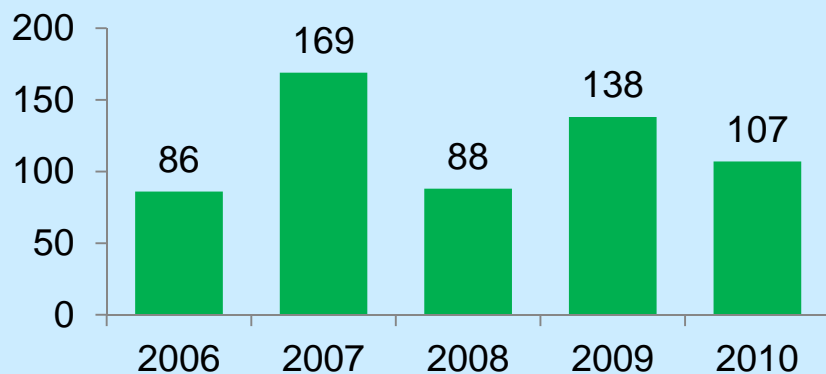


# Cryptosporidiosis, South Dakota

**Cryptosporidiosis**  
**South Dakota 123 Cases**  
**(Rate 15.1 per 100,000 population)**

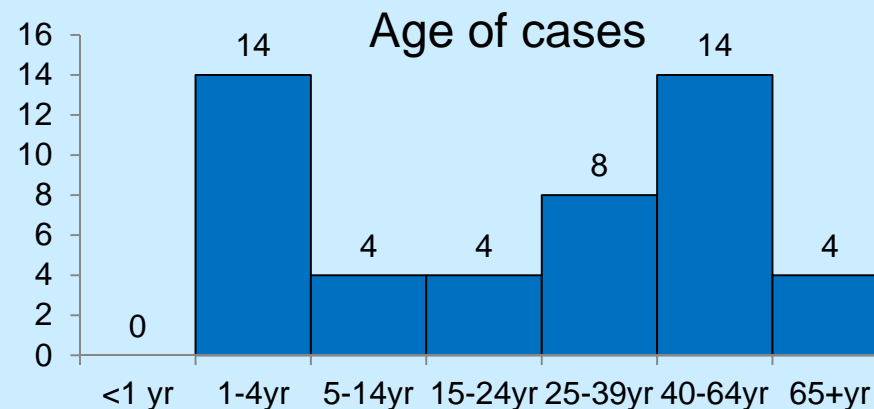
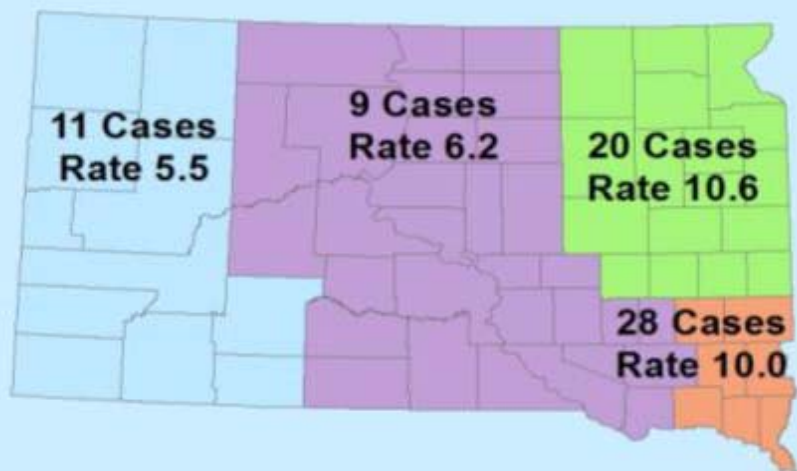


## Cryptosporidium, SD 2006-2010

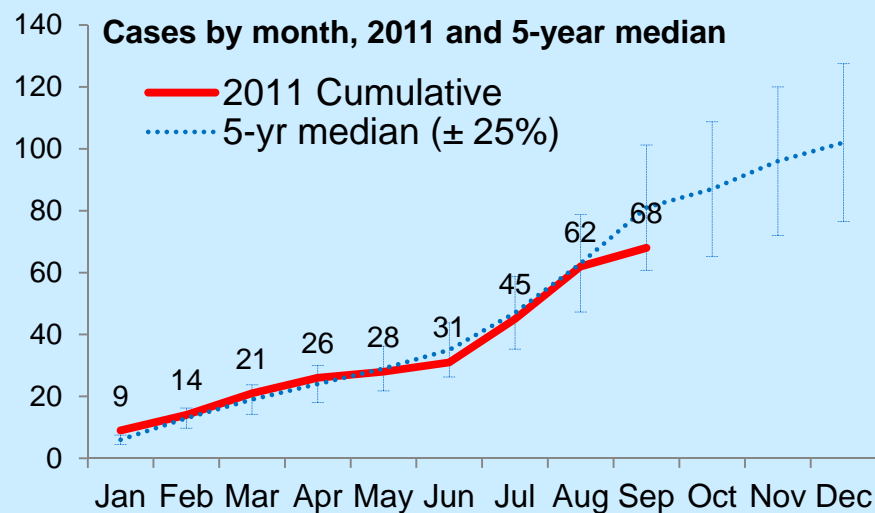
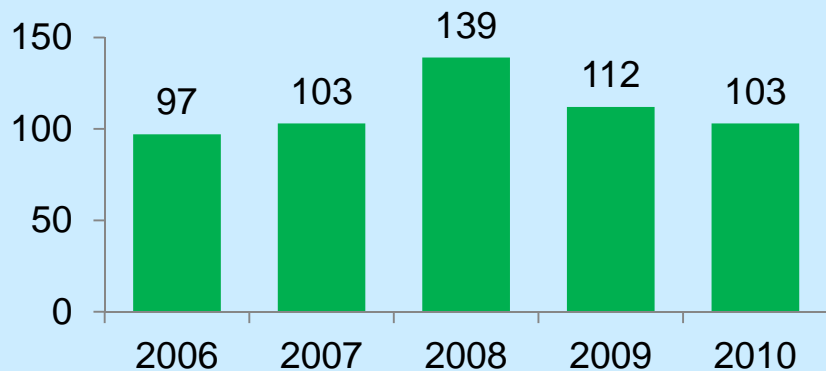


# Giardiasis, South Dakota

**Giardiasis**  
**South Dakota 68 Cases**  
**(Rate 8.4 per 100,000 population)**



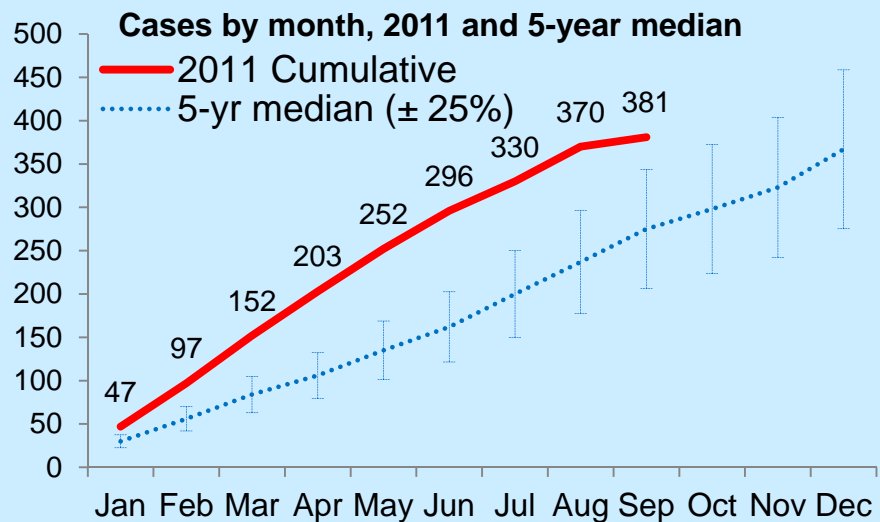
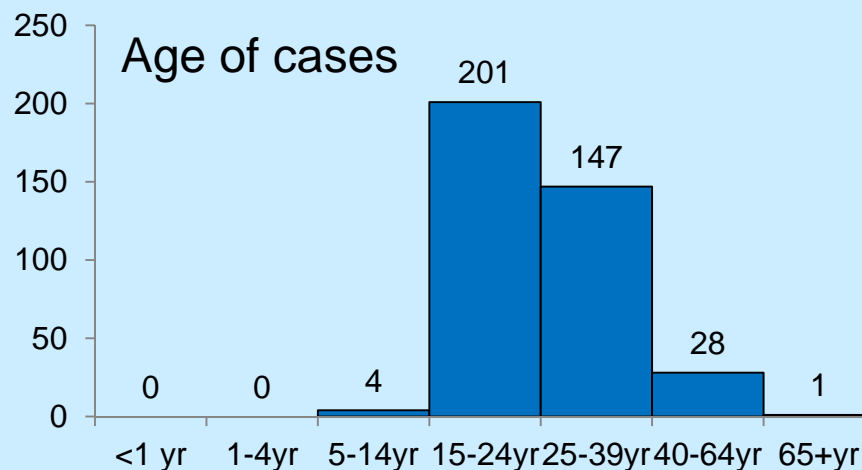
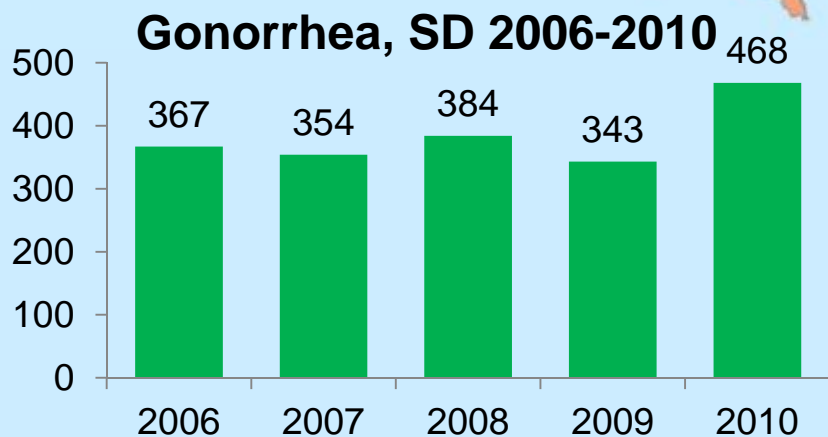
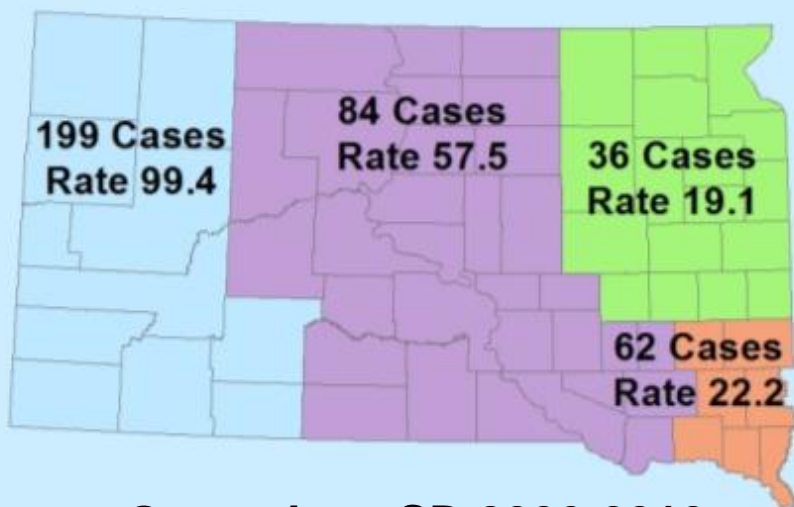
## Giardia, SD 2006-2010





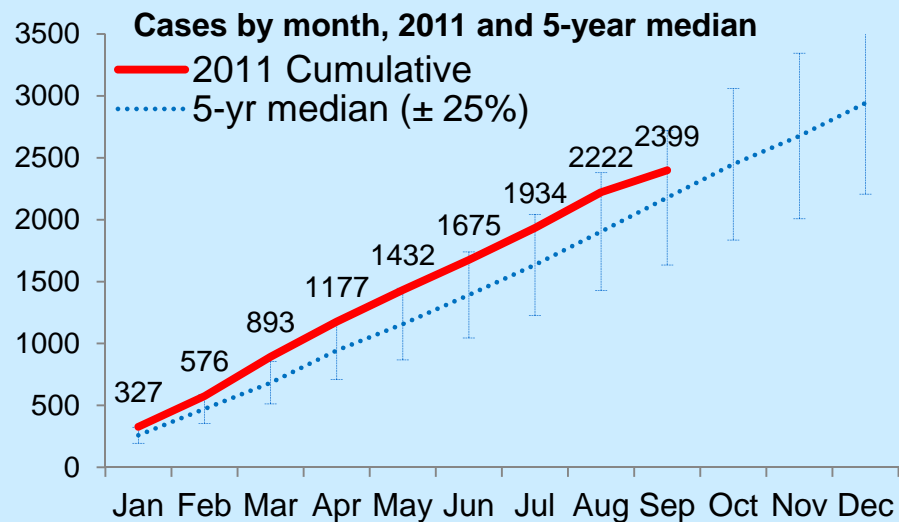
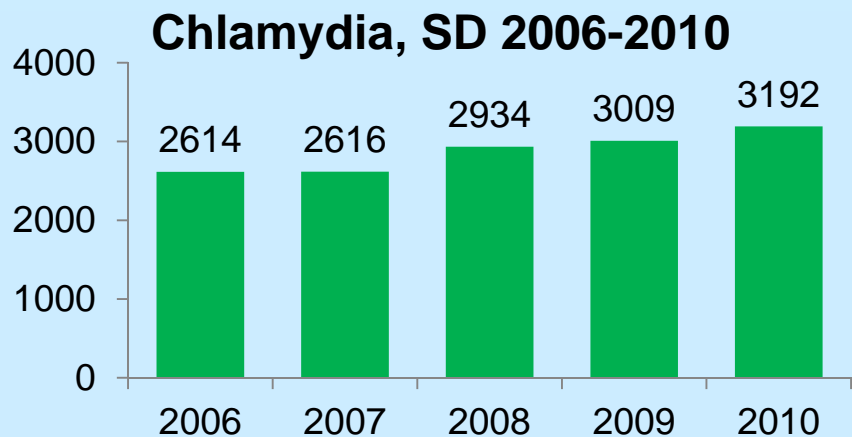
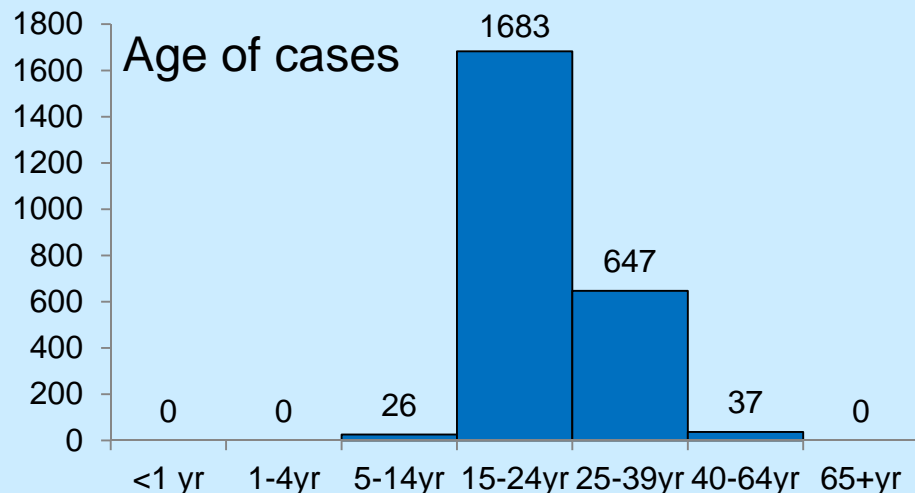
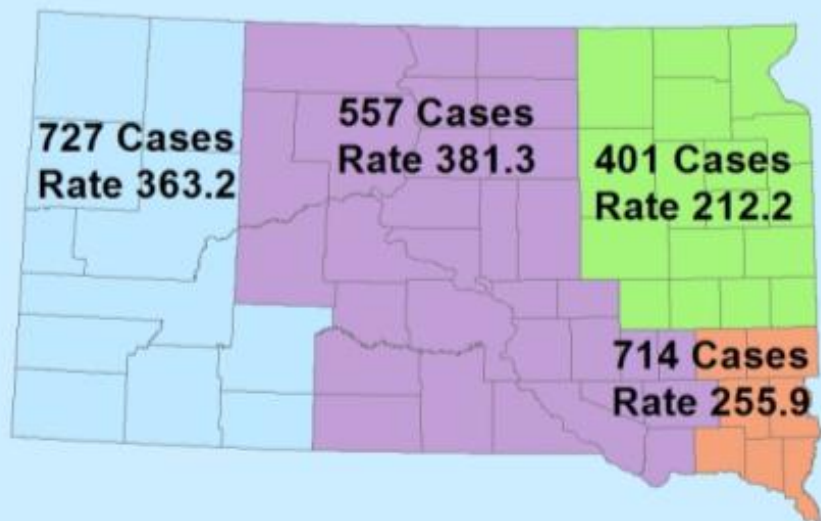
# Gonorrhea, South Dakota

**Gonorrhea**  
**South Dakota 381 Cases**  
**(Rate 46.8 per 100,000 population)**



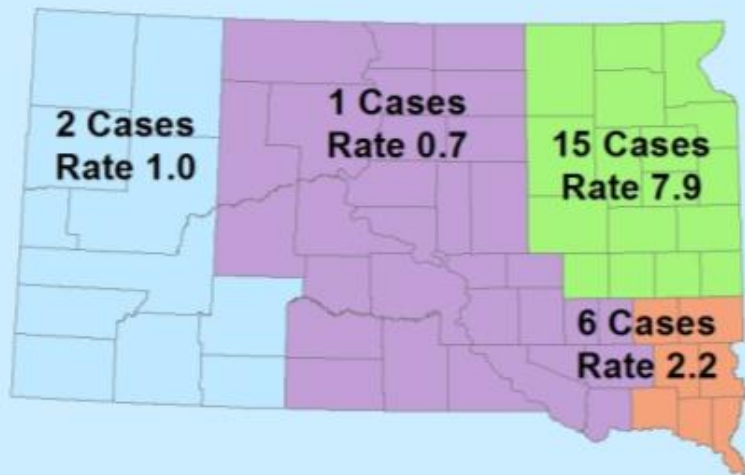
# Chlamydia, South Dakota

**Chlamydia**  
**South Dakota 2,399 Cases**  
**(Rate 294.7 per 100,000 population)**

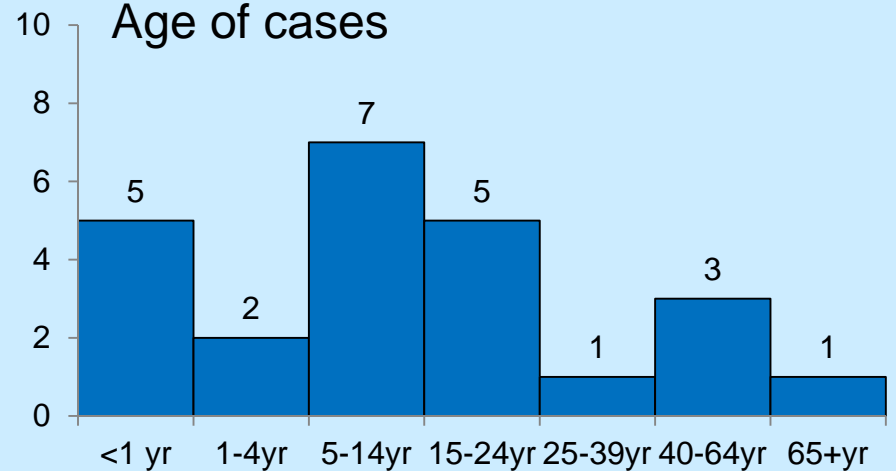


# Pertussis, South Dakota

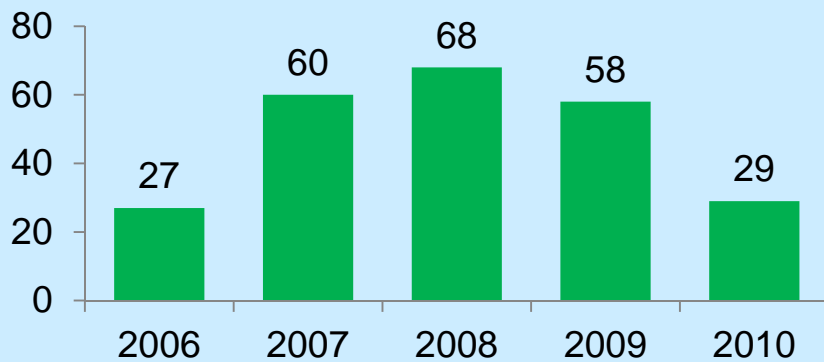
**Pertussis  
South Dakota 24 Cases  
(Rate 2.9 per 100,000 population)**



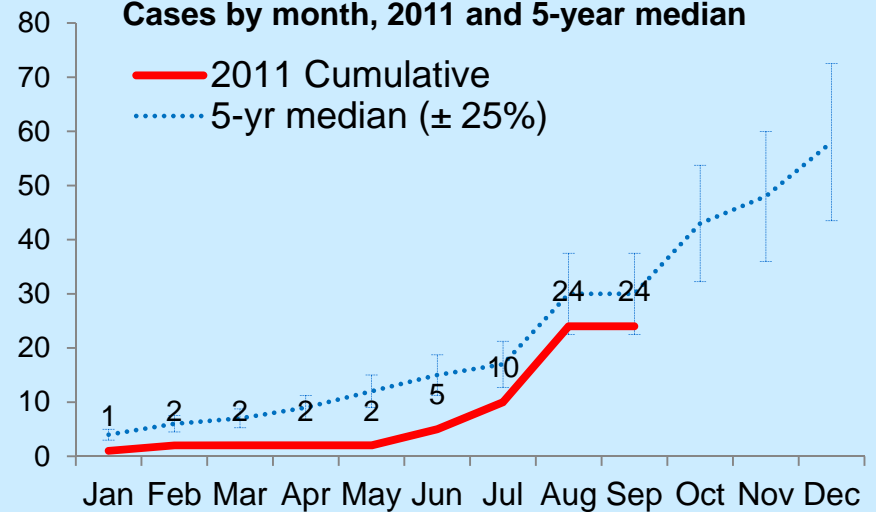
**Age of cases**



**Pertussis, SD 2006-2010**

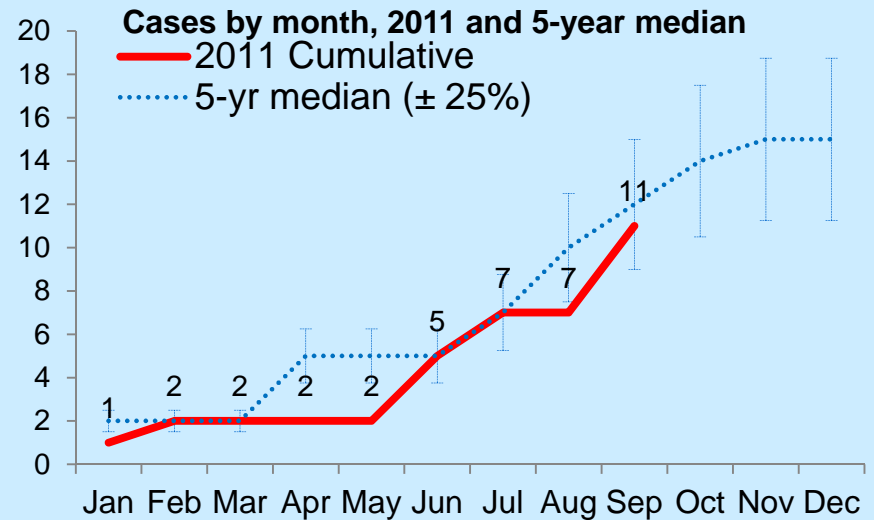
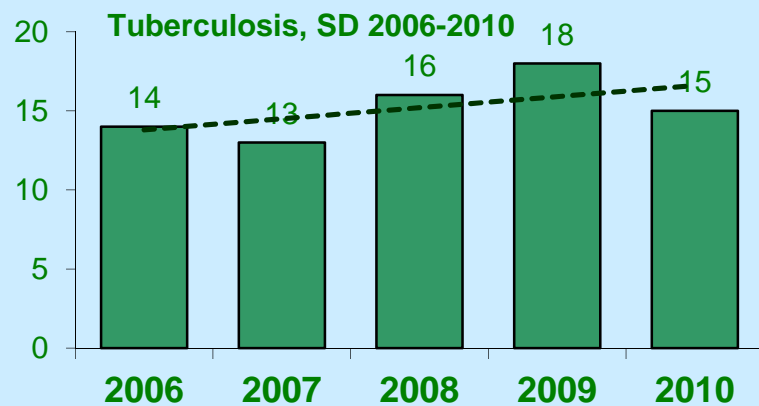
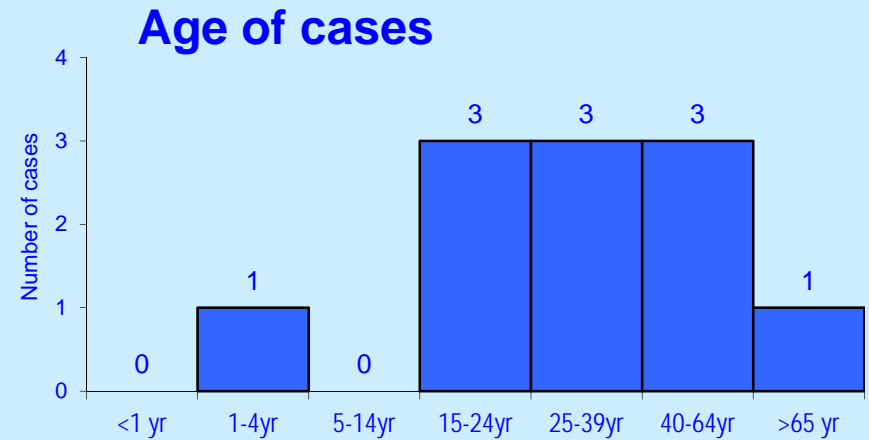


**Cases by month, 2011 and 5-year median**



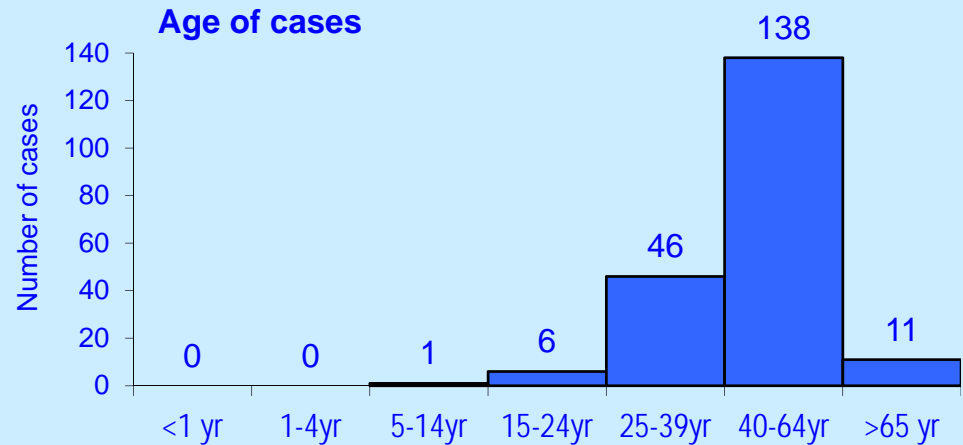
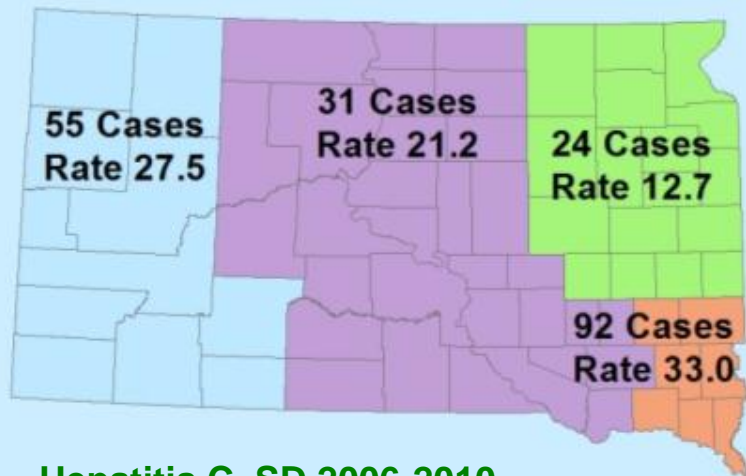
# Tuberculosis, South Dakota

<u>Region</u>	<u># cases</u>	<u>Incidence</u>
Central	4	2.7
Northeast	2	1.1
Southeast	2	0.7
West	3	1.5
<b>TOTAL</b>	<b>11</b>	<b>1.4</b>

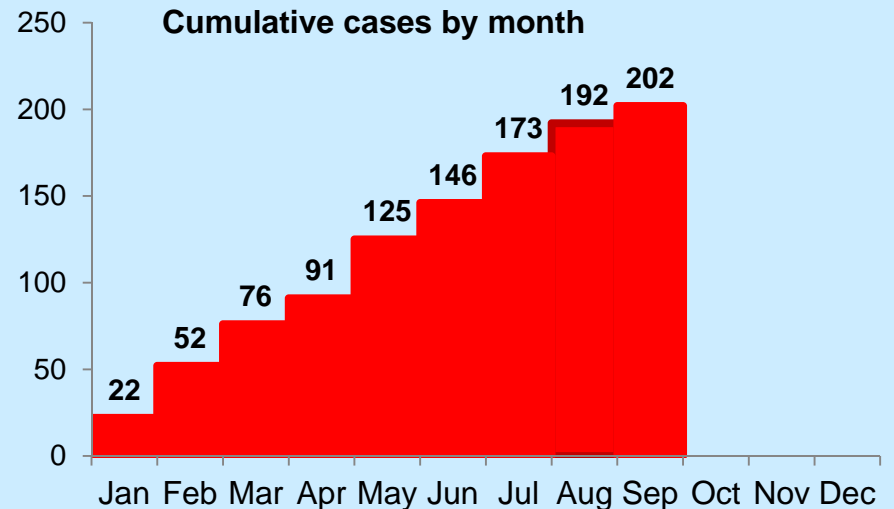
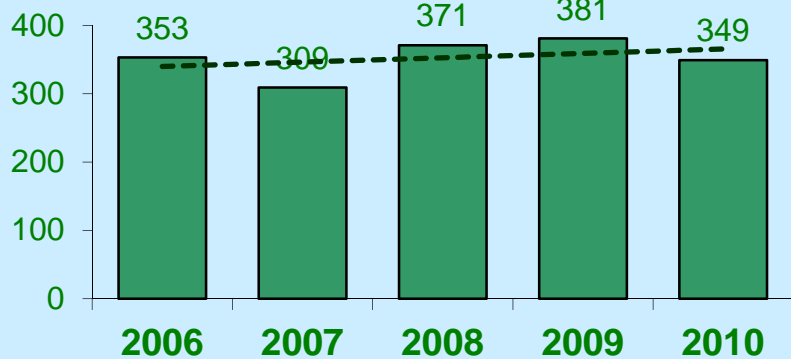


# Hepatitis C (chronic), South Dakota

**Hepatitis C**  
**South Dakota 202 Cases**  
 (Rate 24.8 per 100,000 population)



**Hepatitis C, SD 2006-2010**



Hepatitis C fact sheet:

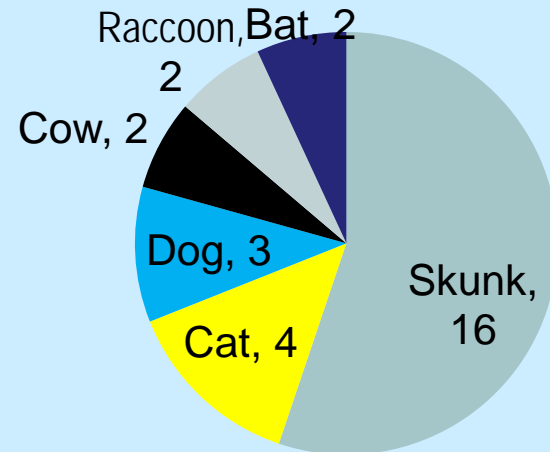
<http://doh.sd.gov/diseasefacts/HepatitisC.aspx>

1 Jan – 31 August 2011, *Provisional data*

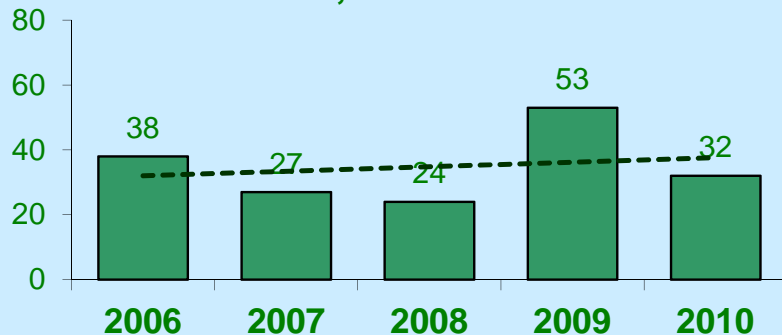
# Rabies, South Dakota

## County: rabid animals 29

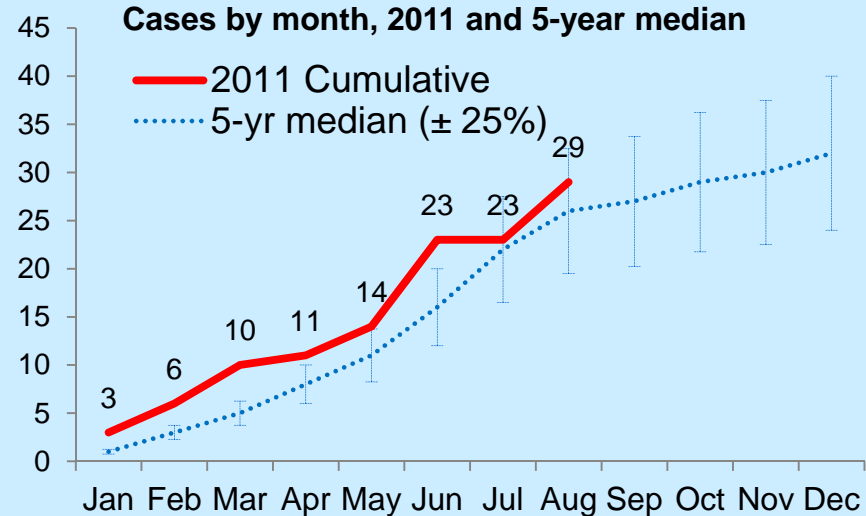
Beadle: raccoon 1	Brookings: raccoon 1
Butte: cat 1	Clay: skunk 1
Charles Mix: cat 2	Faulk: dog 1
Grant: skunk 3	Gregory: skunk 1
Hamlin: bat 1	Harding: skunk 1
Hughes: skunk 1	Lincoln: dog 1
Lyman: dog 1, skunk 1	Marshall: cow 1
McCook: skunk 1	Mellette: skunk 1, cow 1
Miner: skunk 1	Minnehaha: bat 1
Sanborn: cat 1	Tripp: skunk 4
Turner: skunk 1	



**Rabies, SD 2006-2010**



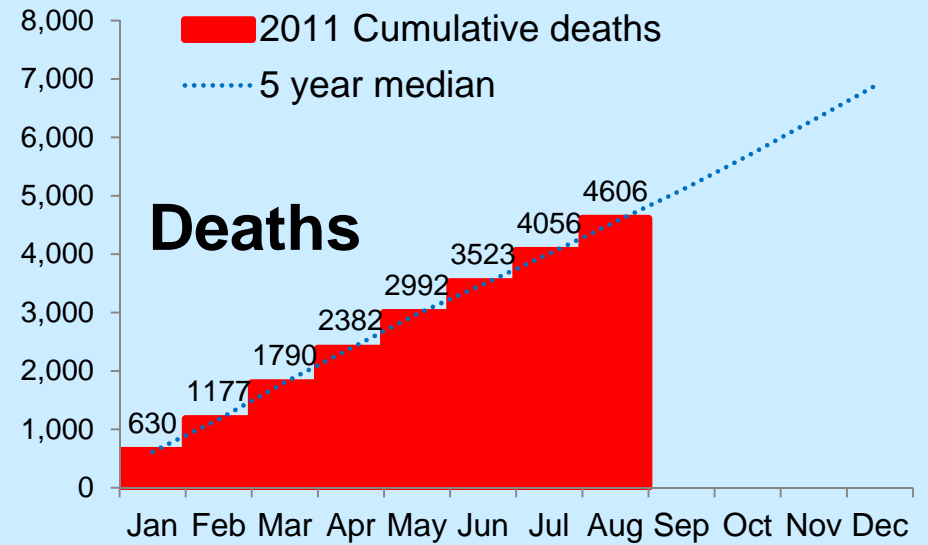
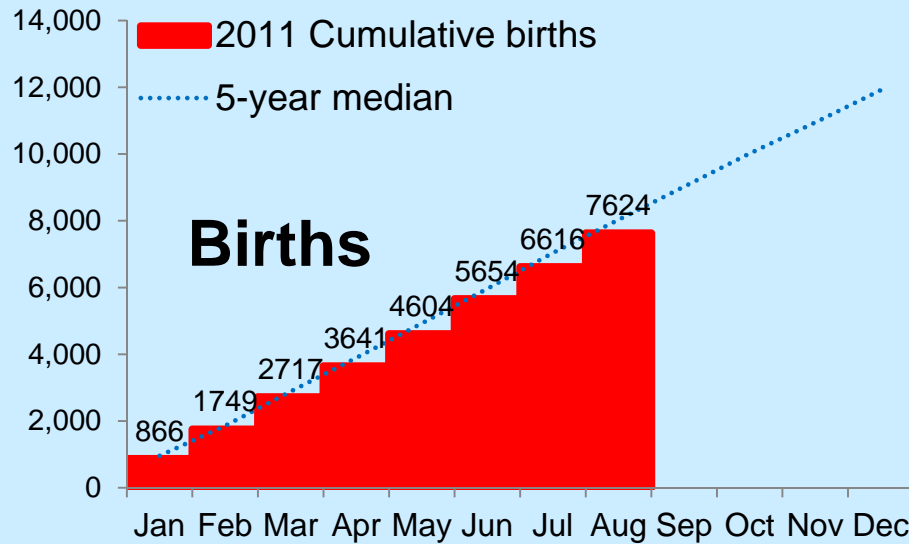
**Cases by month, 2011 and 5-year median**



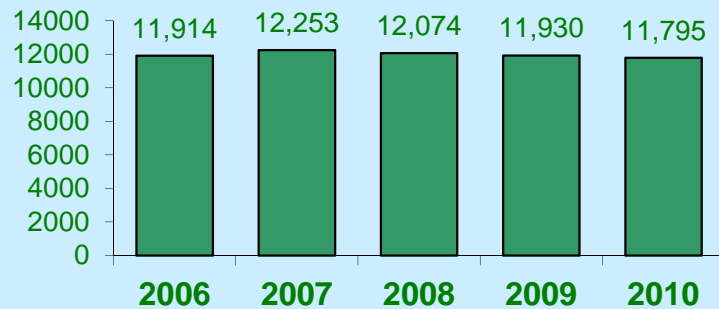
## ***Healthcare Associated Infections, South Dakota***

- 12 of 17 SD facilities participating in the National Healthcare Safety Network (NHSN) report to the Dept of Health.
- 3 target areas:
  - *Clostridium difficile* infections;
  - Bloodstream MRSA (methicillin-resistant *Staphylococcus aureus*);
  - Central line associated bloodstream infections (CLABSI).
- Reports 1 Jan – 30 September 2011.
  - *C. difficile*: 3 cases reported from 3 facilities.
  - MRSA (bloodstream): no cases reported.
  - CLABSI: 5 cases reported from 4 hospitals.

# Births and deaths, South Dakota, 2011

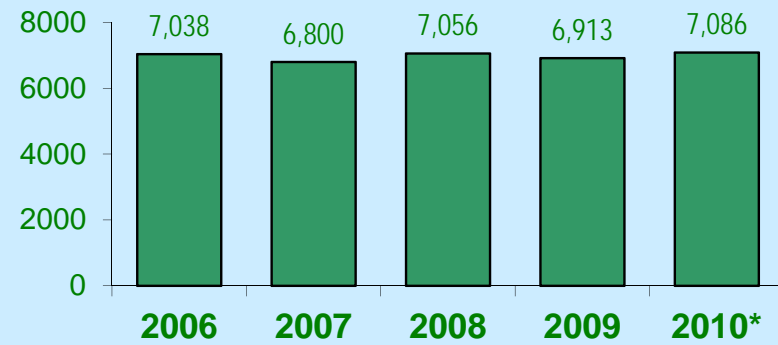


Live births, SD 2006-2010



\*2010 provisional

Deaths, SD 2006-2010



\*2010 provisional data

1 Jan – 31 July 2011, *Provisional data*

## Other diseases, South Dakota, Year-to-date 2011

<b>Disease</b>	<b>Total cases YTD</b>	<b>5-yr median (2006-2010)</b>	<b>Central Region cases</b>	<b>Northeast Region cases</b>	<b>Southeast Region cases</b>	<b>West Region cases</b>
<b>Chicken pox</b>	23	42	4	4	10	5
<b>Ehrlichiosis/Anaplasmosis</b>	3	0	0	1	1	1
<b>Haemophilus influenza b</b>	1	0	0	1	0	0
<b>Hantavirus pulm synd</b>	1	0	1	0	0	0
<b>Hepatitis A</b>	2	3	0	0	1	1
<b>Hepatitis B, chronic</b>	23	-	1	7	12	3
<b>Legionnaires'</b>	2	4	1	0	0	1
<b>Listeriosis</b>	1	2	0	0	1	0
<b>Lyme disease</b>	3	1	0	2	1	0
<b>Malaria</b>	1	0	0	0	1	0
<b>Meningococcal, invasive</b>	2	2	0	0	1	1
<b>Mumps</b>	0	2	0	0	0	0
<b>Shigella</b>	4	76	1	1	2	0
<b>Strep pneumo, invasive</b>	23		7	2	10	4
<b>Syphilis, early</b>	0	2	0	0	0	0
<b>Tularemia</b>	6	7	1	0	2	4
<b>West Nile disease</b>	0	39	0	0	0	0

## Diseases Reported, South Dakota 2000 - 2010

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Campylobacteriosis	143	162	196	190	273	241	216	232	264	298	297
Chlamydia	1835	1821	2215	2606	2534	2701	2614	2616	2934	3009	3192
Cryptosporidiosis	15	8	42	53	41	30	86	169	88	138	107
E. coli, shiga toxin-producing	69	50	43	33	35	33	50	47	53	71	35
Giardiasis	108	102	84	89	87	115	97	103	139	112	103
Gonorrhea	277	289	263	226	304	351	363	254	384	343	468
Hantavirus pulmonary syndrome	1	0	1	0	1	2	2	1	0	0	0
Hepatitis A	3	4	2	0	4	1	9	7	3	3	1
Hepatitis C, chronic	NR	NR	NR	NR	--	208	353	309	371	381	349
HIV and AIDS	20	22	19	25	19	33	34	25	34	21	35
Legionellosis	2	3	4	3	4	21	5	4	3	2	9
Meningococcal disease	6	6	1	2	3	4	4	3	3	5	0
Methicillin-rest Staph aureus, invasive	NR	NR	NR	NR	36	47	51	86	79	94	98
Mumps	0	0	0	0	0	0	295	6	1	2	2
Pertussis (whooping cough)	12	4	8	7	187	165	27	60	68	58	29
Q fever	NR	0	1	0	0	2	2	1	1	9	4
Rabies, animal	96	58	96	132	94	68	38	27	24	53	32
Salmonellosis	104	149	120	133	153	162	132	174	154	197	186
Shigellosis	10	744	127	18	12	133	388	118	76	4	7
Syphilis (primary, secondary, early latent)	0	1	0	5	0	2	19	11	4	2	4
Tuberculosis	16	13	13	20	11	16	14	13	16	18	15
Tularemia	13	7	3	5	4	8	4	7	10	5	11
West Nile neuroinvasive disease	0	0	14	170	6	35	38	48	11	6	4
West Nile fever	0	0	23	869	45	194	74	160	28	15	16

Reportable Diseases List <http://doh.sd.gov/Disease/Report.aspx>

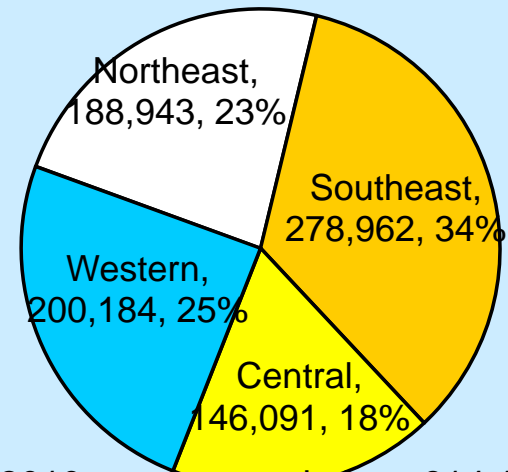
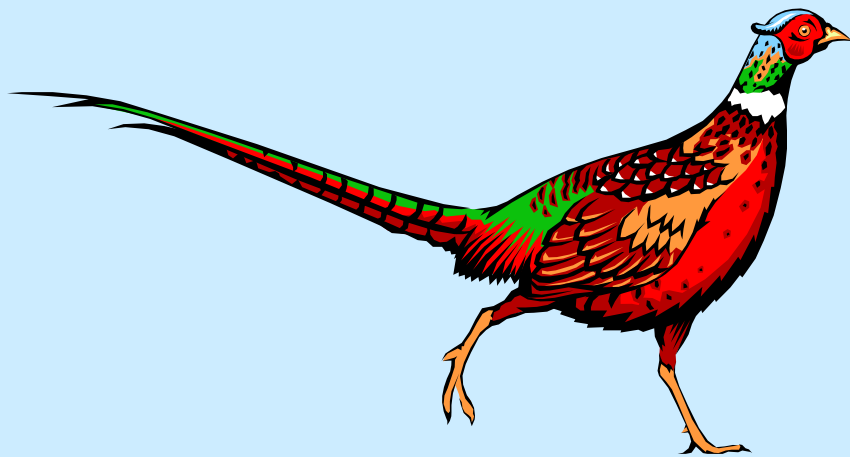
Monthly surveillance reports <http://doh.sd.gov/ID/site.aspx>

### To report infectious diseases

- Secure website: [www.state.sd.us/doh/diseasereport](http://www.state.sd.us/doh/diseasereport)
- Telephone: **1-800-592-1804** confidential recorder; or **1-800-592-1861** or **605-773-3737** for a disease surveillance person during normal business hours; after hours to report Category I diseases or other emergencies, call **605-280-4810**.
- Fax: **605-773-5509**
- Mail or courier, address to: Infectious Disease Surveillance, Office of Disease Prevention, Department of Health, 615 East 4th Street, Pierre, SD 57501; marked "*Confidential Disease Report*"

Case definitions: [www.cdc.gov/osels/ph\\_surveillance/nndss/phs/infdis.htm](http://www.cdc.gov/osels/ph_surveillance/nndss/phs/infdis.htm)

### Population of Regions



South Dakota 2010 census population: 814,180