South Dakota Health and Disease Summary

November 2017

South Dakota Department of Health

SOUTH DAKOTA DEPARTMENT OF HEALTH

South Dakota infectious disease summary 2017

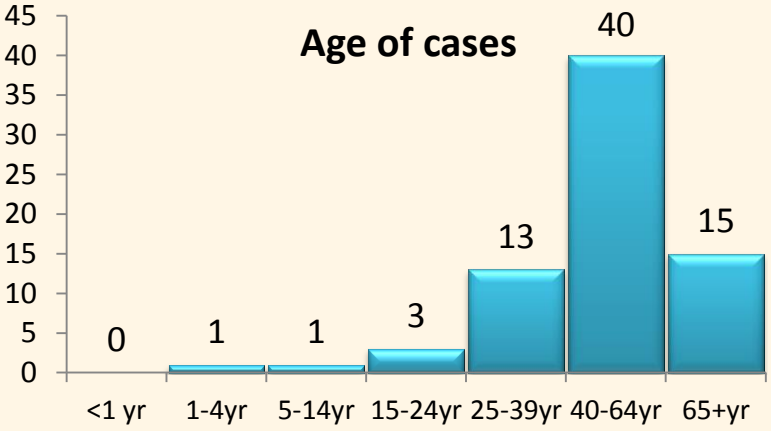
Disease/Agent	Cases year-to-date	Rate (cases per 100,000 population)	5-yr median year-to-date cases (2012-2016)	Percent change
Campylobacter	375	43.3	288	+30%
Chlamydia	4,076	471.0	3,680	+11%
Cryptosporidiosis	156	18.0	153	+2%
E. coli, shiga toxin-producing	85	9.8	46	+85%
Giardiasis	92	10.6	121	-24%
Gonorrhea	1,093	126.3	808	+35%
Hepatitis C	499	57.7	482	+4%
HIV, including Stage III (AIDS)	38	4.4	26	+46%
MRSA, invasive	105	12.1	109	-4%
Pertussis	8	0.9	62	-87%
Rabies, animal	20	NA	26	-23%
Salmonella	217	25.1	172	+26%
Shigella	28	3.2	143	-80%
Syphilis, early	67	7.7	37	+81%
Tuberculosis	13	1.5	10	+30%
Tularemia	13	1.5	7	+86%
West Nile	73	8.4	149	-51%

SOUTH DAKOTA: 1 January – 30 November 2017: Provisional Data

West Nile

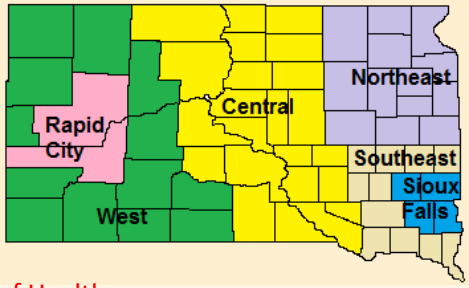
About 20% of infected people develop fever with other symptoms such as headache, body aches, joint pains, vomiting, diarrhea, or rash, but <1% develop encephalitis or meningitis, symptoms can include headache, high fever, neck stiffness, disorientation, coma, tremors, seizures, or paralysis.

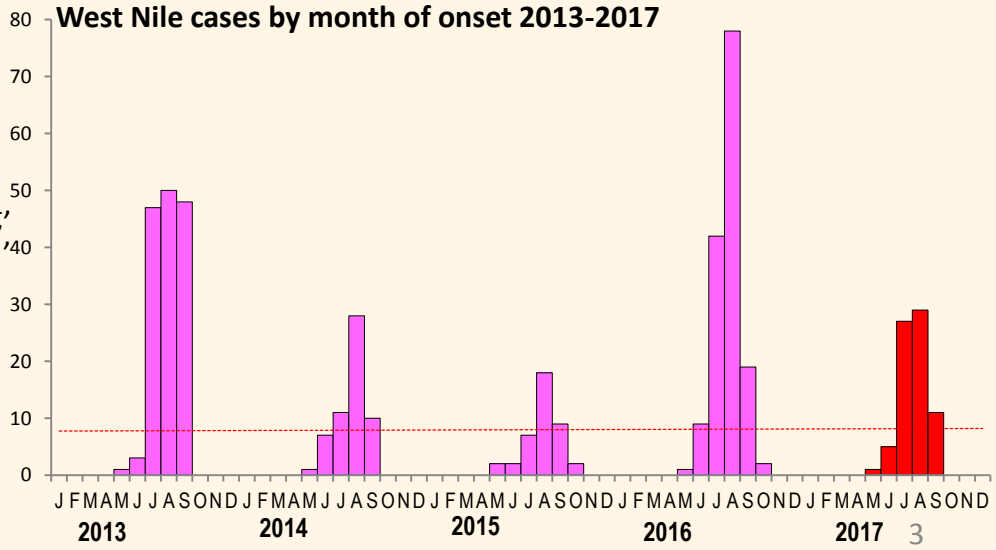
Regions	Cases	Rate†
Sioux Falls MSA	9	3.5
Rapid City MSA	8	5.8
Northeast	21	12.2
Southeast	18	15.9
Central	15	16.1
West	2	2.1
South Dakota	**73**	**8.4**



†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: Aurora 1, Beadle 2, BonHomme 2, Brookings 5, Brown 4, Campbell 1, Charles Mix 1, Clark 1, Clay 1, Codington 4, Davison 4, Day 1, Deuel 1, Douglas 1, Faulk 2, Grant 1, Hamlin 1, Hughes 3, Hutchinson 3, Jackson 1, Kingsbury 1, Lake 1, Lincoln 4, Lyman 2, McCook 1, McPherson 1, Meade 1, Minnehaha 4, Moody 1, Oglala Lakota 1, Pennington 7, Tripp 1, Walworth 1, Yankton 6.





Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

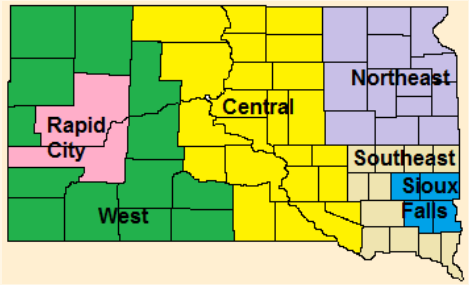
SOUTH DAKOTA: 1 January – 30 November 2017: Provisional Data

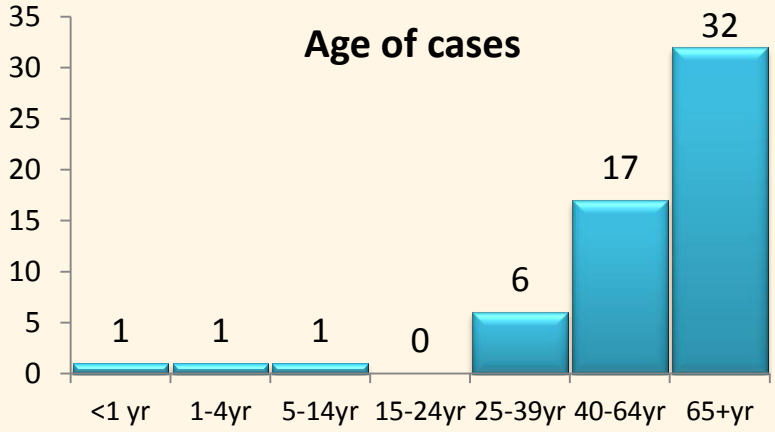
CRE: **Carbapenem-resistant Enterobacteriaceae**, family of bacteria that are difficult to treat because of very high levels of resistance to antibiotics.

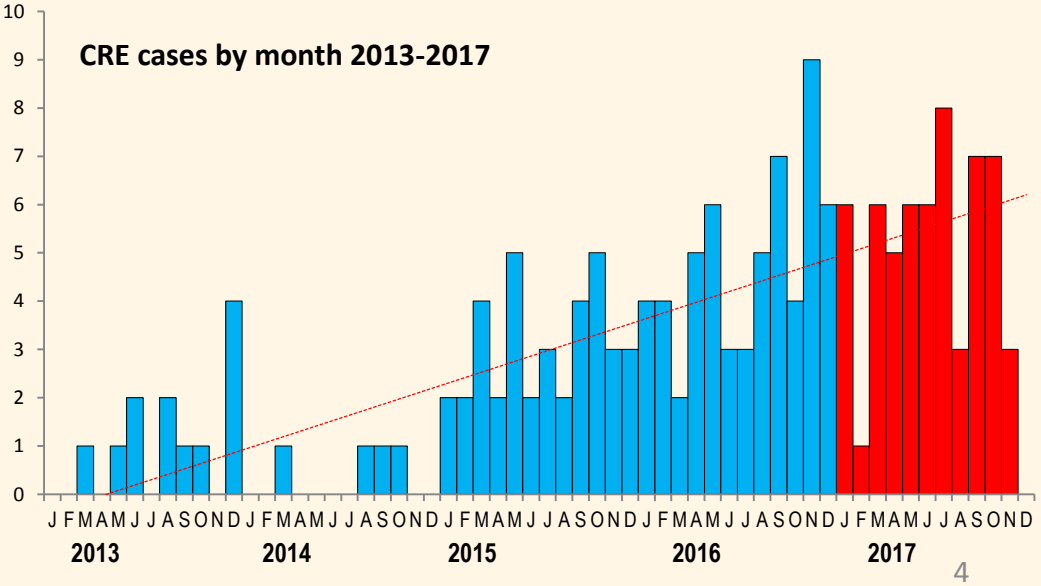
Regions	Cases	Rate**
Sioux Falls MSA	19	7.4
Rapid City MSA	12	8.8
Northeast	12	7.0
Southeast	3	2.6
Central	10	10.7
West	2	2.1
South Dakota	**58**	**6.7**

**Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area

Counties with cases: Brown 7, Buffalo*, CharlesMix*, Clay*, Davison*, Douglas*, Edmunds*, Kingsbury*, Lincoln*, Lyman*, Marshall*, Meade*, Minnehaha 15, Oglala Lakota*, Pennington 11, Spink*, Ziebach*
(*counties with <5 cases).





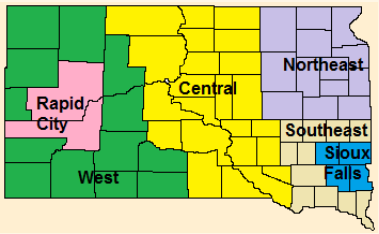


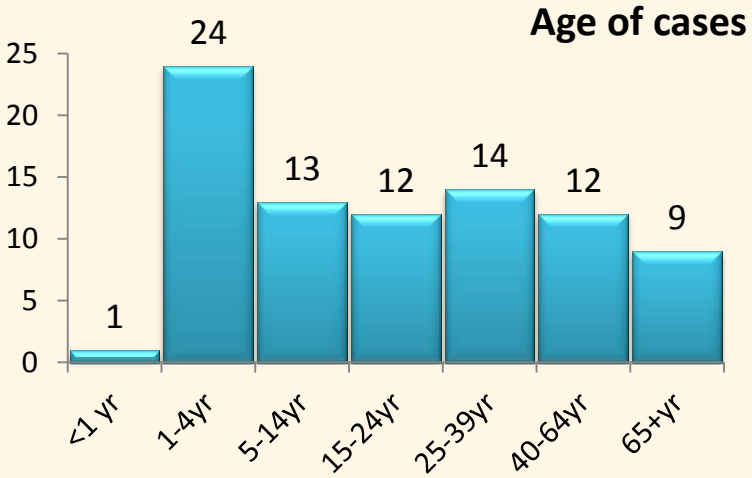
Shiga toxin-producing E. coli (STEC)

Infections often include severe stomach cramps, diarrhea (often bloody), and vomiting, some may develop severe illness and hemolytic uremic syndrome (HUS).

Regions	Cases	Rate†
Sioux Falls MSA	16	6.3
Rapid City MSA	13	9.5
Northeast	17	9.9
Southeast	19	16.8
Central	12	12.8
West	8	8.6
South Dakota	**85**	**9.8**

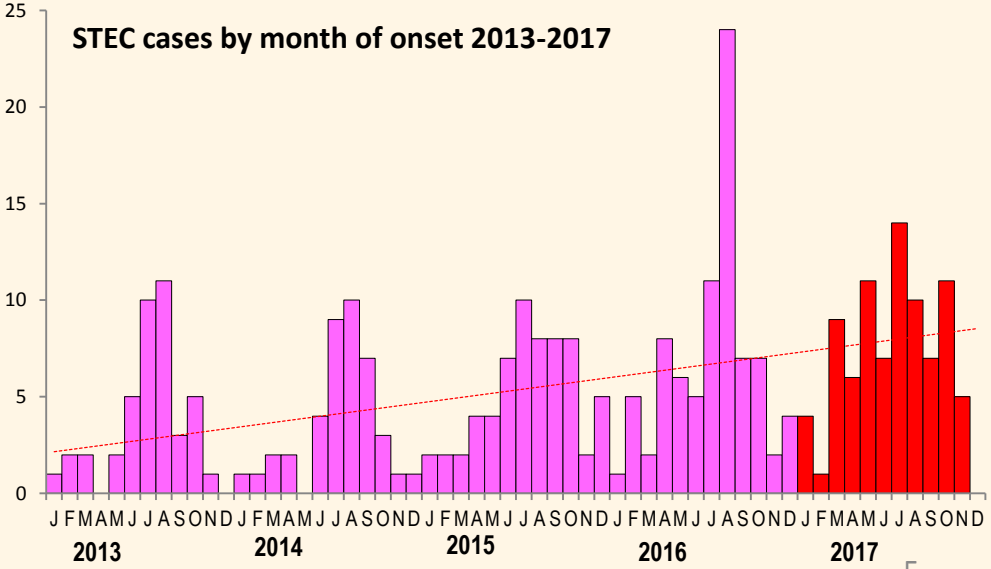
†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.





Counties with cases: Beadle*, Brookings*, Brown*, Butte*, Charles Mix*, Clay 9, Codington*, Davison*, Day 6, Deuel*, Dewey*, Douglas*, Edmunds*, Gregory*, Haakon*, Hamlin*, Hanson*, Harding*, Jackson*, Kingsbury*, Lawrence*, Lincoln*, McCook*, Meade*, Miner*, Minnehaha 9, Pennington 10, Perkins*, Sanborn*, Spink*, Tripp 5, Turner*, Union*, Yankton 5

(*counties with <5 cases).

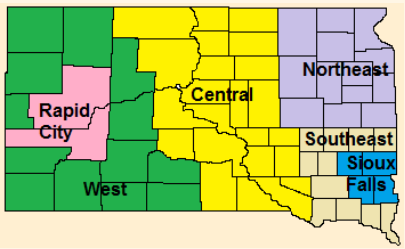


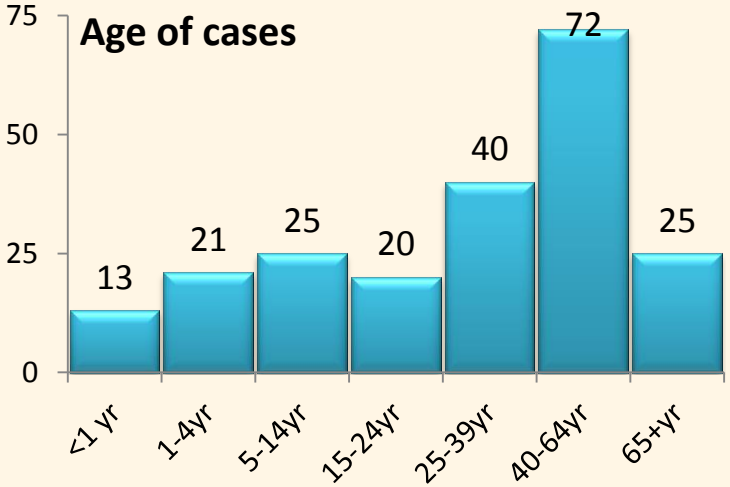
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

Salmonella

Most persons develop diarrhea, fever, and abdominal cramps 12 to 72 hours after infection. The illness usually lasts 4 to 7 days, and most persons recover without treatment.

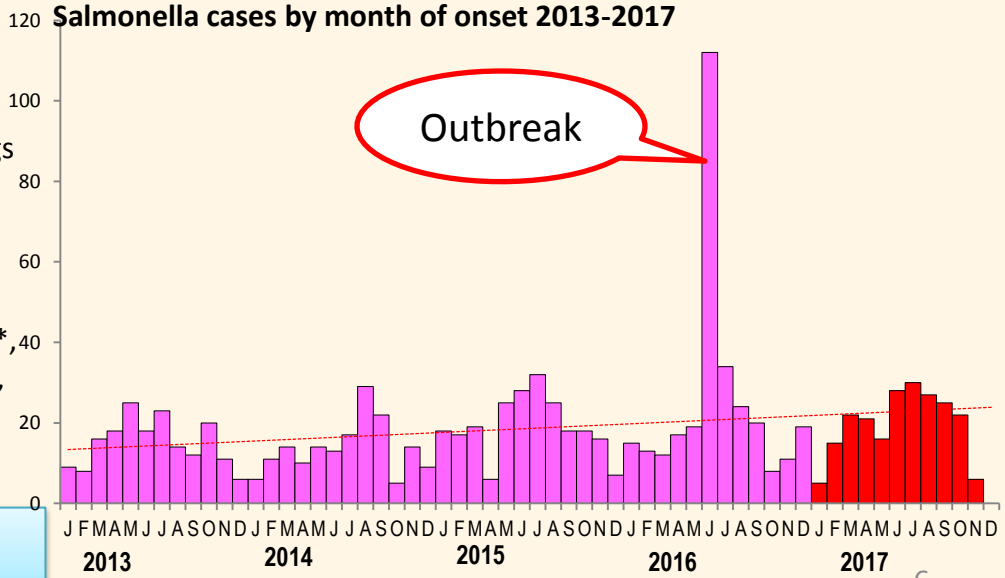
Regions	Cases	Rate†
Sioux Falls MSA	64	25.0
Rapid City MSA	18	13.1
Northeast	62	35.9
Southeast	28	24.7
Central	23	24.6
West	22	23.6
South Dakota	**217**	**25.1**





†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: Aurora*, Beadle 5, BonHomme*, Brookings 12, Brown 5, Buffalo*, Butte 5, Charles Mix 5, Clark*, Clay*, Codington 8, Corson*, Davison 7, Deuel*, Dewey*, Douglas*, Edmunds*, FallRiver 7, Faulk*, Grant 8, Gregory*, Haakon*, Hamlin*, Hughes*, Hutchinson*, Jackson*, Kingsbury 5, Lawrence*, Lincoln 12, Marshall 8, McCook*, Meade*, Mellette*, Miner*, Minnehaha 47, Moody*, Oglala Lakota*, Pennington 17, Perkins*, Potter*, Roberts*, Sanborn*, Stanley*, Todd*, Tripp*, Turner*, Union*, Walworth*, Yankton*, Ziebach*
(*counties with <5 cases).



Salmonella serotypes: Enteritidis 36, Infantis 9, Newport 11, Thompson 7, Typhimurium 58, Other or unknown serotypes 76

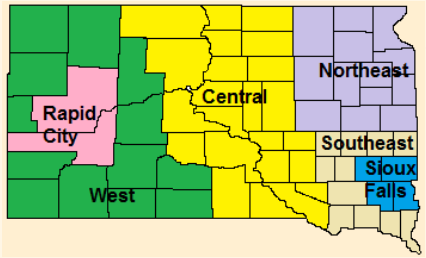
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

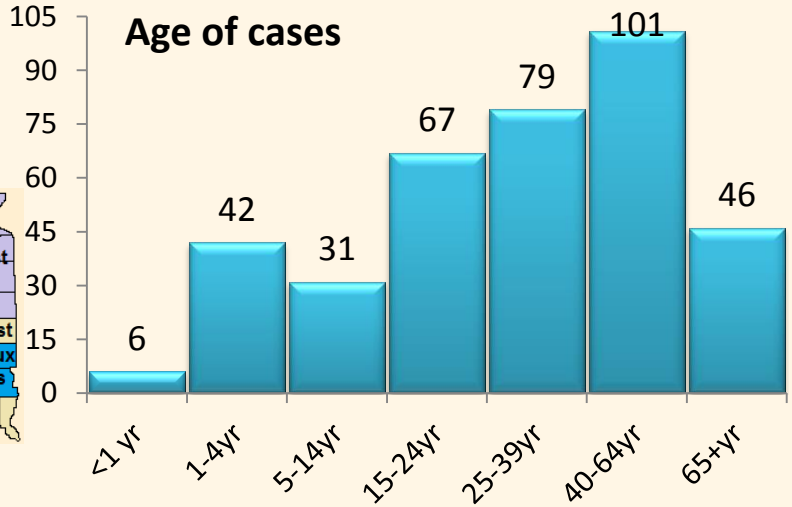
Campylobacteriosis

Most people have diarrhea, cramping, abdominal pain, and fever within 2 to 5 days after exposure to *Campylobacter*.

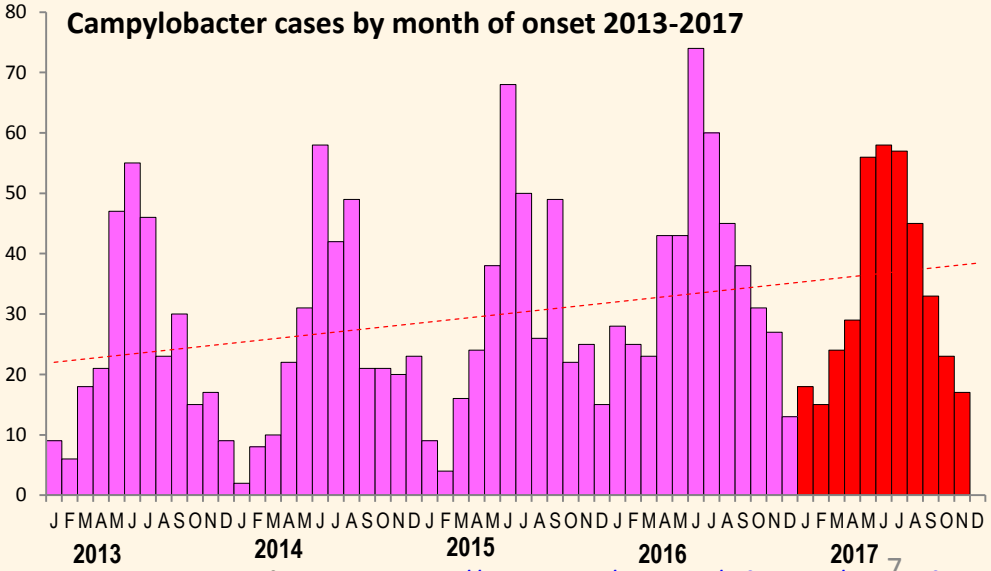
Regions	Cases	Rate†
Sioux Falls MSA	51	19.9
Rapid City MSA	50	36.5
Northeast	82	47.5
Southeast	62	54.7
Central	83	88.8
West	47	50.4
South Dakota	**375**	**43.3**

†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.





Counties with cases: Aurora 5, Beadle*, Bennett*, BonHomme*, Brookings 9, Brown 18, Brule 6, Butte 5, Campbell 5, Charles Mix 13, Clark*, Clay 10, Codington 7, Corson 6, Custer*, Davison 16, Day*, Deuel 5, Dewey*, Douglas 5, Edmunds 6, Fall River*, Faulk 6, Grant*, Gregory 7, Hamlin 6, Hand*, Hanson*, Harding 8, Hughes*, Hutchinson 5, Jackson*, Jerauld*, Jones*, Kingsbury 8, Lake 5, Lawrence 12, Lincoln 9, Lyman*, Marshall 6, McCook*, McPherson*, Meade 15, Miner*, Minnehaha 37, Moody*, OglalaLakota 5, Pennington 35, Perkins 6, Roberts 9, Sanborn*, Spink*, Stanley*, Todd*, Tripp 6, Turner*,Union*, Walworth*, Yankton 12



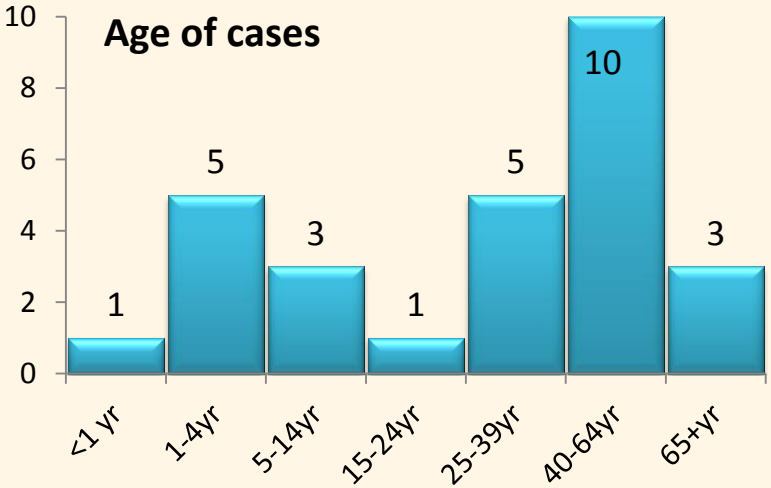
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

(*counties with <5 cases).

Shigellosis

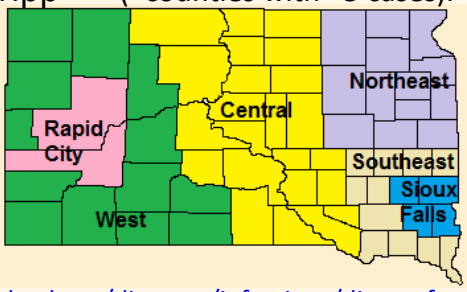
Symptoms: diarrhea, fever, and stomach cramps starting a day or two after they are exposed to the bacteria. The diarrhea is often bloody.

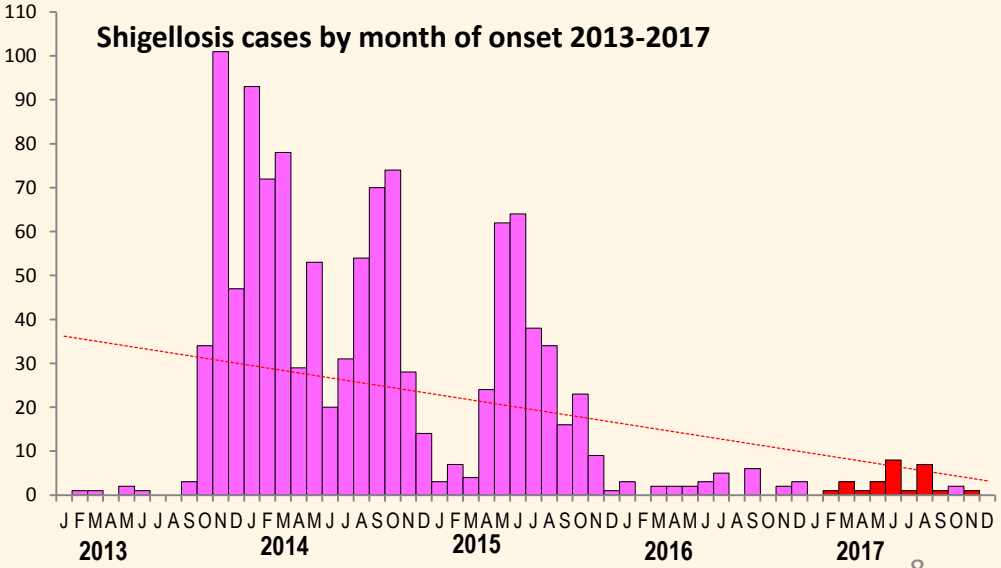
Regions	Cases	Rate†
Sioux Falls MSA	6	2.3
Rapid City MSA	2	1.5
Northeast	2	1.2
Southeast	1	0.9
Central	2	2.1
West	15	16.1
South Dakota	**28**	**3.2**



†Rate: cases per 100,000 population. MSA: Metropolitan Statistical Area.

Counties with cases: Butte*, Clay*, Deuel*, Hamlin*, Hughes*, Lincoln*, Minnehaha 5, Oglala Lakota 5, Pennington*, Todd 9, Tripp* (*counties with <5 cases).



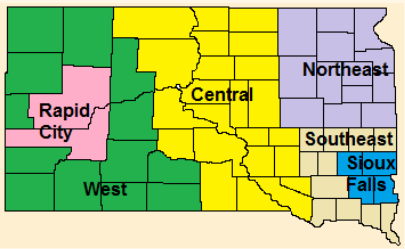


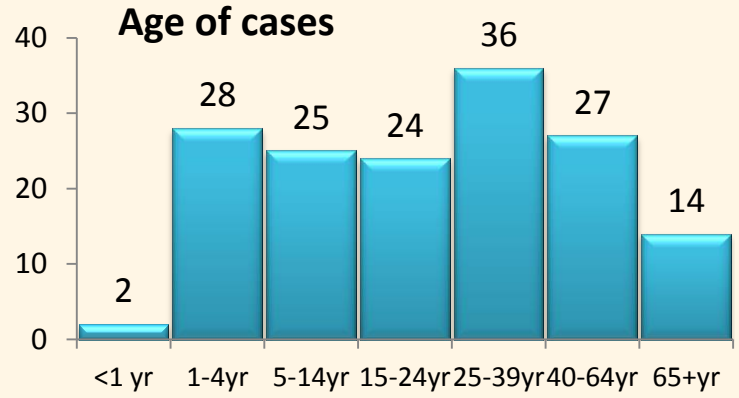
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

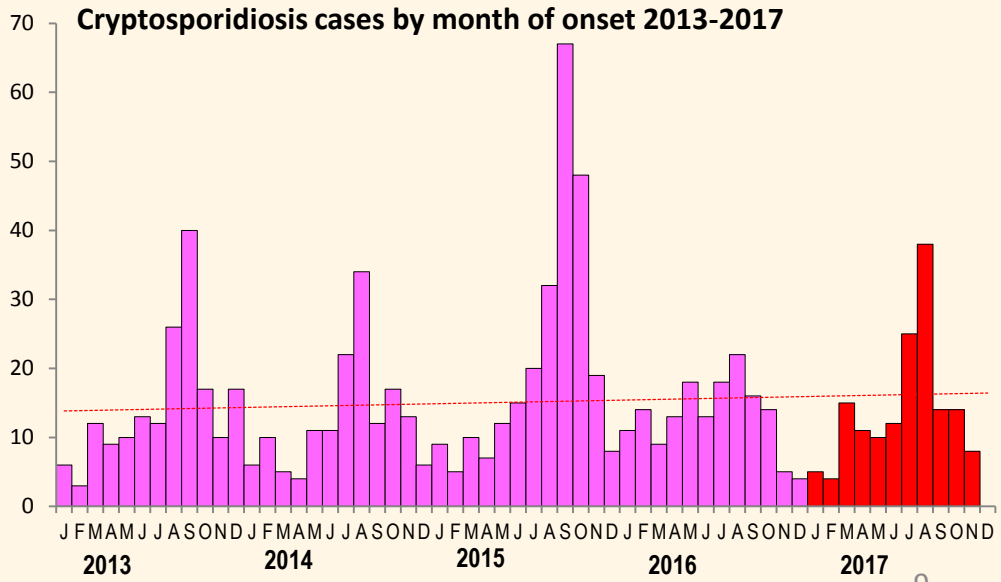
Cryptosporidiosis

Cryptosporidiosis is a diarrheal disease caused by microscopic parasites that can live in the intestine of humans and animals and is passed in the stool of an infected person or animal.

Regions	Cases	Rate†
Sioux Falls MSA	38	14.9
Rapid City MSA	13	9.5
Northeast	32	18.5
Southeast	56	49.4
Central	10	10.7
West	7	7.5
South Dakota	**156**	**18.0**







†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

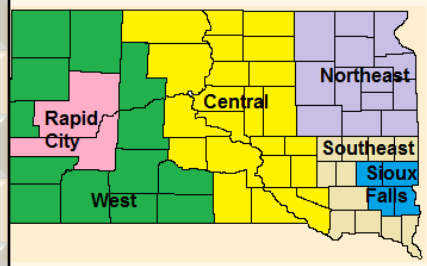
Counties with cases: Aurora*, Beadle 5, BonHomme*, Brookings 10, Brown*, Butte*, Charles Mix*, Clay*, Codington*, Custer*, Davison 5, Day*, Deuel*, Douglas*, Edmunds*, Fall River*, Grant*, Gregory*, Hanson*, Hughes*, Hutchinson 5, Jerauld*, Kingsbury*, Lawrence*, Lincoln 7, McCook*, Meade*, Miner*, Minnehaha 25, Moody*, Pennington 11, Roberts*, Spink*, Turner*, Union 11, Yankton 22
(*counties with <5 cases)

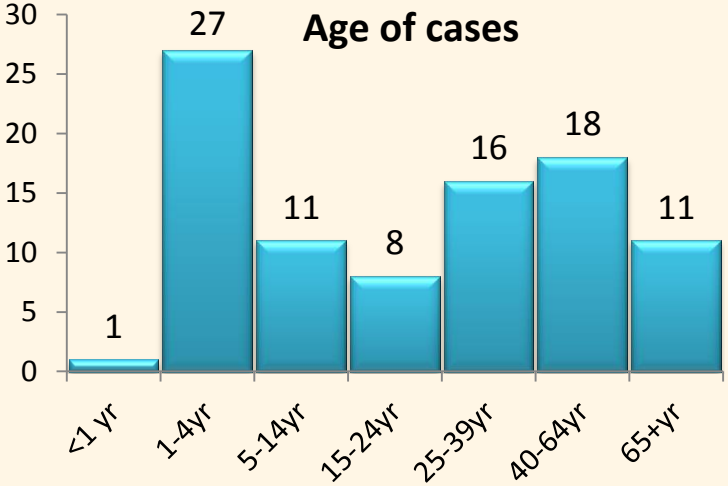
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

Giardiasis

Symptoms include: diarrhea, gas, flatulence, greasy stool that can float, abdominal cramps, upset stomach or nausea, dehydration.

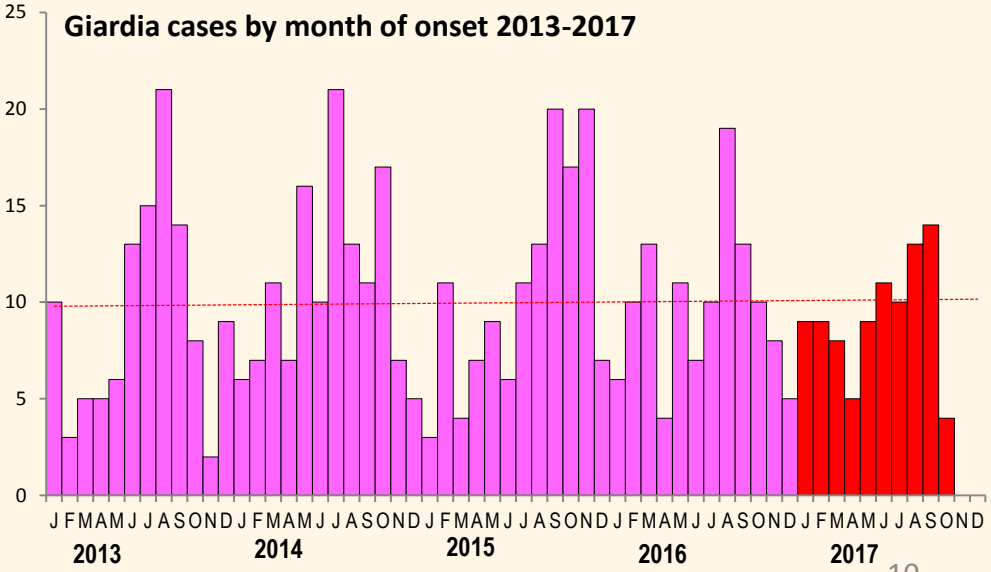
Regions	Cases	Rate†
Sioux Falls MSA	33	12.1
Rapid City MSA	8	5.8
Northeast	18	10.4
Southeast	13	11.5
Central	11	10.7
West	9	8.6
South Dakota	**92**	**10.2**





†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: BonHomme*, Brookings*, Brown*, Brule*, Butte*, CharlesMix*, Clark*, Clay*, Codington*, Davison*, Day*, Douglas*, Fall River*, Grant*, Gregory*, Hamlin*, Hutchinson*, Kingsbury*, Lake*, Lawrence*, Lincoln 9, Lyman*, Meade*, Minnehaha 24, Moody*, Oglala Lakota*, Pennington 7, Potter*, Yankton 6 (*counties with <5 cases)



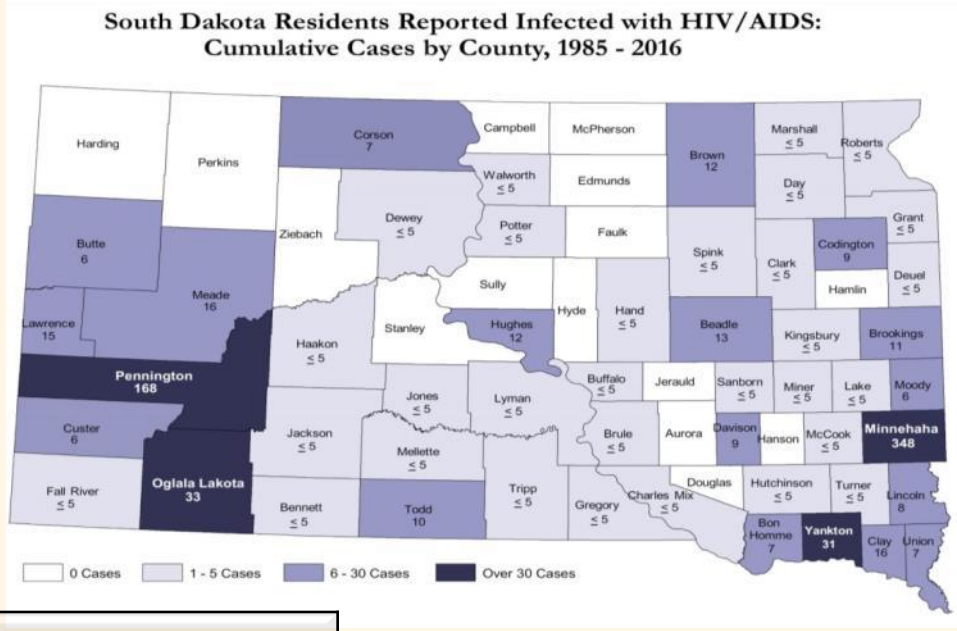
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

SOUTH DAKOTA: 1 January – 30 November 2017: Provisional Data

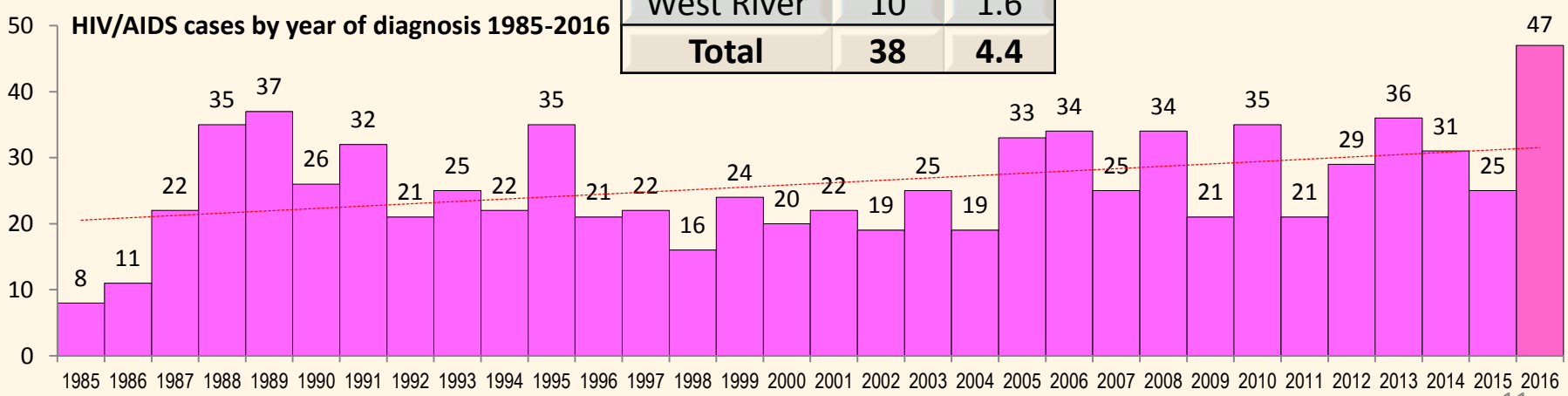
HIV (including Stage III AIDS)

New cases in 2017		
Regions	**Cases**	**Rate***
Sioux Falls MSA	21	8.2
Rapid City MSA	5	3.6
Northeast	5	2.9
Southeast	1	0.9
Central	1	1.1
West	5	5.4
Total	**38**	**4.4**

*Rate: cases per 100,000 population



New HIV-AIDS cases 2017		
Regions	**Cases**	**Rate***
East River	28	10.9
West River	10	1.6
Total	**38**	**4.4**



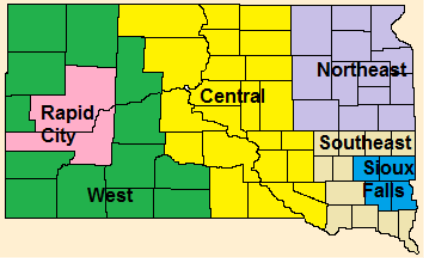
Also see: http://doh.sd.gov/diseases/infectious/aids-hiv/HIV-AIDS-Prev.aspx

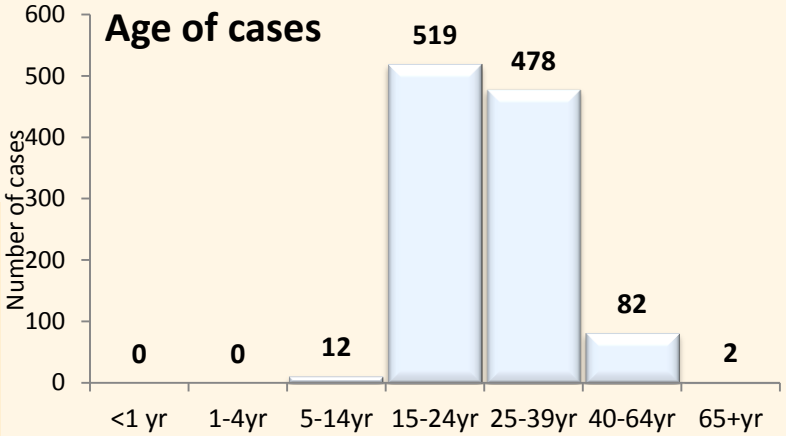
Gonorrhea

Symptoms vary depending on what part of the body is infected (anus, eyes, mouth, genitals, or throat). Gonorrhea can impact a one's ability to have children if left untreated.

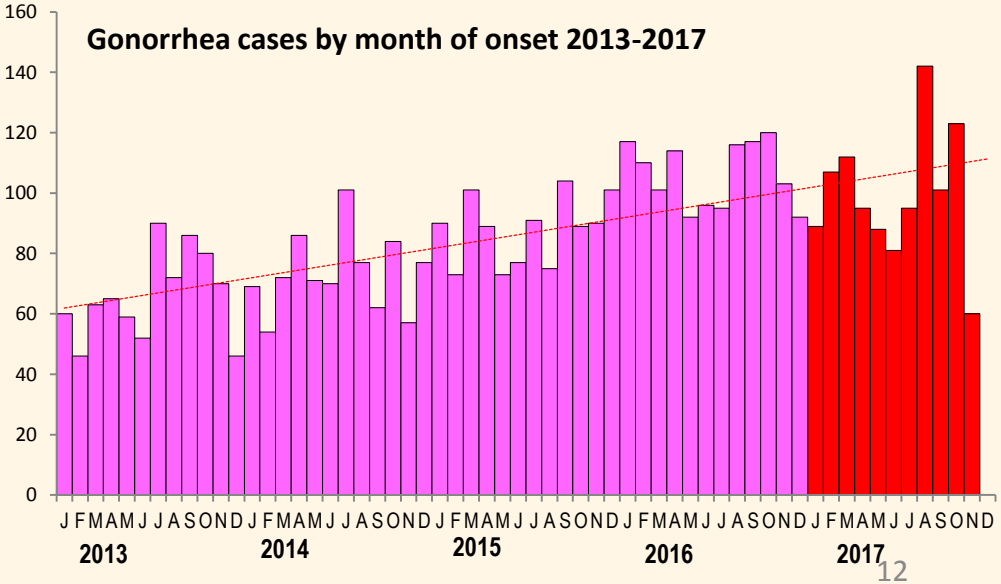
Regions	Cases	Rate†
Sioux Falls MSA	342	133.7
Rapid City MSA	264	192.6
Northeast	52	30.1
Southeast	61	53.8
Central	133	142.4
West	240	257.1
South Dakota	**1,092**	**126.2**

†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.





Counties with cases: Beadle 7, Bennett 8, Bon Homme*, Brookings 9, Brown 16, Brule*, Buffalo 11, Campbell*, Charles Mix 18, Clay 10, Codington*, Corson 12, Custer*, Davison 24, Day*, Deuel*, Dewey 48, Douglas*, Edmunds*, Fall River*, Grant*, Hamlin*, Hand*, Hughes 19, Hutchinson*, Hyde*, Jackson 8, Kingsbury*, Lake*, Lawrence 15, Lincoln 19, Lyman 5, Marshall*, McCook*, Meade 10, Mellette 8, Minnehaha 318, Moody*, Oglala Lakota 96, Pennington 254, Roberts 9, Stanley*, Todd 95, Tripp*, Turner*, Union 8, Walworth 6, Yankton 10, Ziebach 5 (*counties with <5 cases).

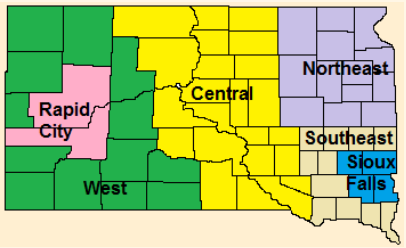


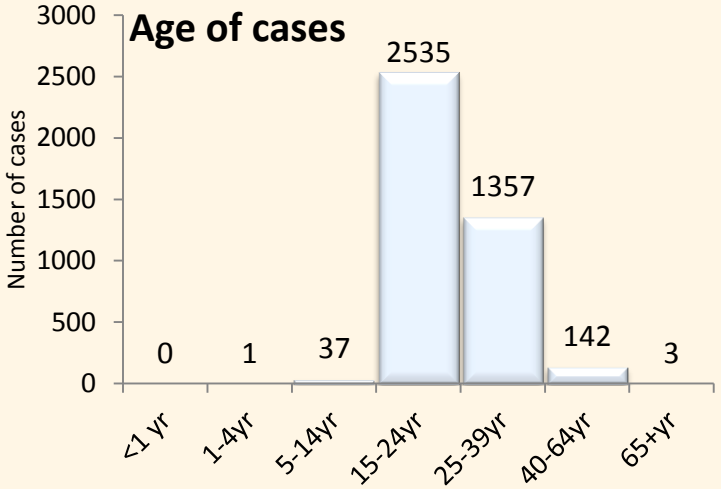
SD STD: http://doh.sd.gov/diseases/infectious/std/

Chlamydia

Most people who have chlamydia don't know it since the disease often has no symptoms. Chlamydia is the most commonly reported STD in the United States and South Dakota.

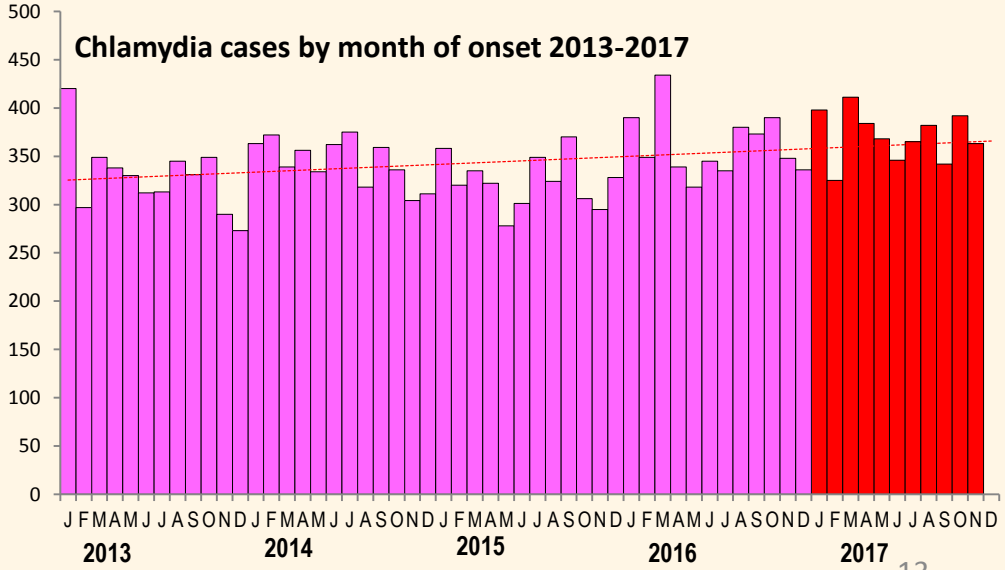
Regions	Cases	Rate†
Sioux Falls MSA	1,147	449
Rapid City MSA	740	540
Northeast	585	339
Southeast	293	259
Central	498	533
West	793	850
South Dakota	**4,056**	**469**





†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: Aurora*, Beadle 53, Bennett 29, Bon Homme 9, Brookings 114, Brown 159, Brule 25, Buffalo 31, Butte 35, Campbell*, Charles Mix 66, Clark*, Clay 51, Codington 106, Corson 59, Custer 22, Davison 89, Day 10, Deuel*, Dewey 124, Douglas*, Edmunds*, Fall River 13, Faulk*, Grant 14, Gregory 8, Hamlin 13, Hand*, Hanson*, Harding*, Hughes 82, Hutchinson 7, Hyde*, Jackson 33, Jerauld*, Kingsbury 10, Lake 26, Lawrence 114, Lincoln 112, Lyman 30, Marshall 8, McCook 5, McPherson*, Meade 80, Mellette 16, Miner*, Minnehaha 1016, Moody 18, Oglala Lakota 267, Pennington 660, Perkins 6, Potter 5, Roberts 79, Sanborn 8, Spink 12, Stanley 6, Sully*, Todd 231, Tripp11, Turner 11, Union 31, Walworth 30, Yankton 50, Ziebach 23 (*counties with <5 cases)

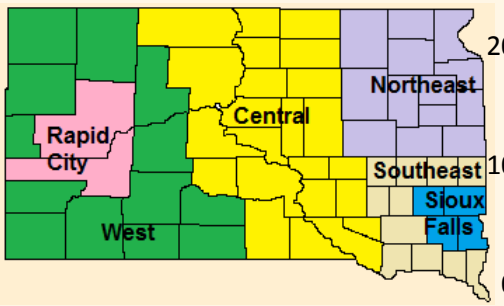


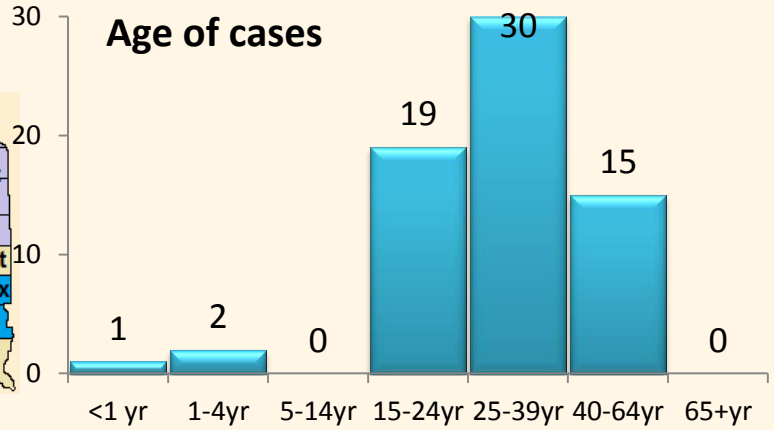
SD STD: http://doh.sd.gov/diseases/infectious/std/

Syphilis (primary, secondary, early latent and congenital)

Syphilis is curable in early stages. Signs and symptoms of syphilis include a firm, round, and painless sore on genitals, anus, or mouth; or a rash on the body, including on palms of hands or soles of feet. Later stages include brain damage, heart disease, blindness and death.

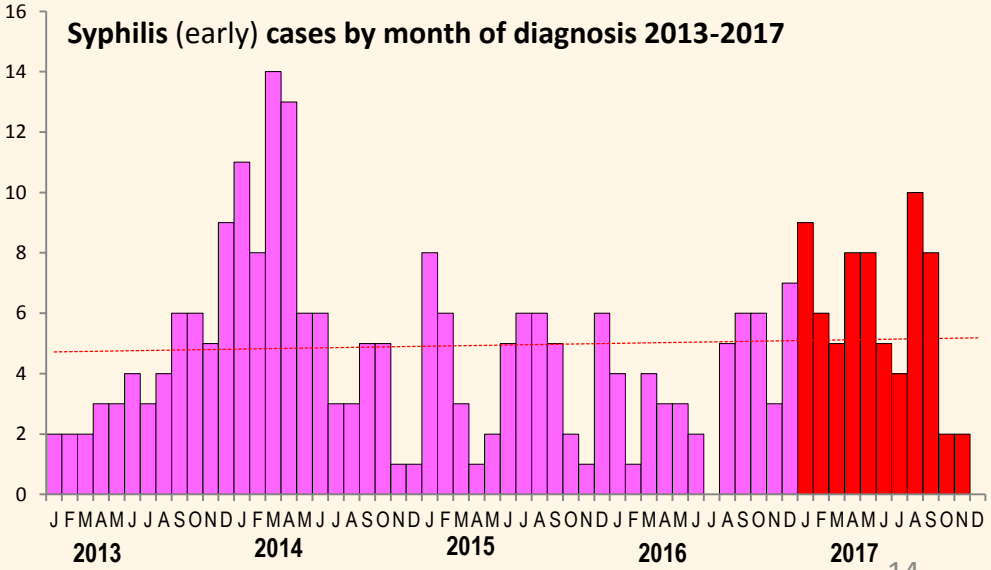
Regions	Cases	Rate†
Sioux Falls MSA	41	16.0
Rapid City MSA	2	1.5
Northeast	6	3.5
Southeast	9	7.9
Central	8	8.6
West	1	1.1
South Dakota	**67**	**7.7**





†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: Beadle*, Brookings*, Charles Mix*, Clay*, Corson*, Davison*, Douglas*, Hamlin*, Hughes*, Hutchinson*, Jackson*, Lincoln*, Minnehaha 39, Pennington*, Roberts*, Stanley*, Union*, Yankton* (*counties with <5 cases)

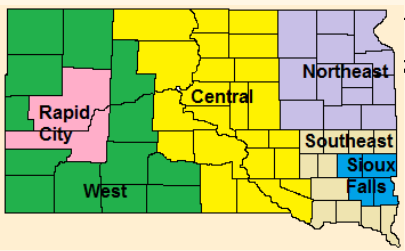


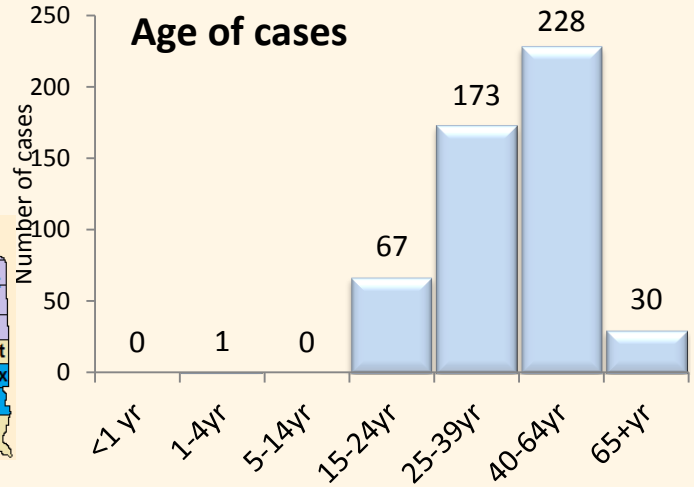
SD STD: http://doh.sd.gov/diseases/infectious/std/

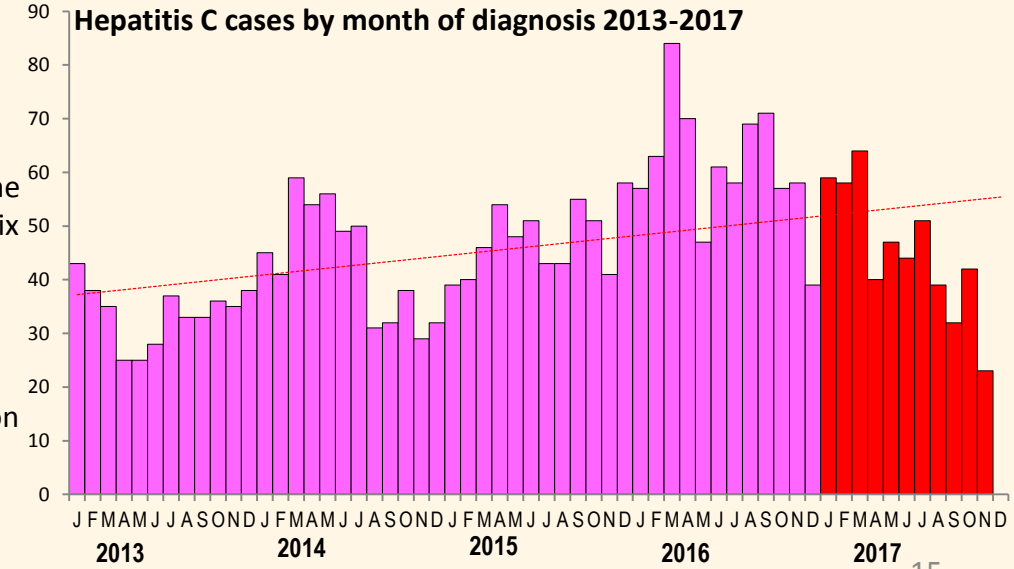
Hepatitis C

Hepatitis C virus infection is the most common bloodborne infection in the United States and South Dakota.

Regions	Cases	Rate†
Sioux Falls MSA	153	59.8
Rapid City MSA	80	58.4
Northeast	47	27.2
Southeast	44	38.8
Central	105	112.4
West	70	75.0
South Dakota	**499**	**57.7**







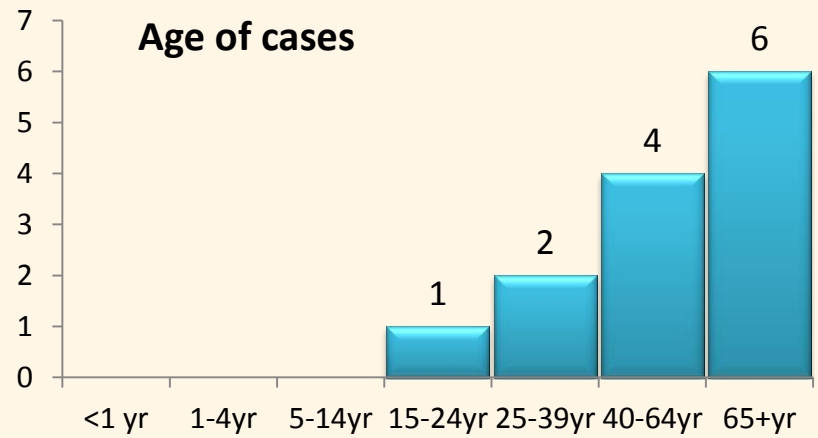
†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.
Counties with cases: Aurora*, Beadle 8, Bennett*, Bon Homme 7, Brookings 7, Brown 11, Brule*, Buffalo 6, Butte 7, Charles Mix 16, Clay*, Codington 6, Corson 18, Custer*, Davison 8, Day*, Deuel*, Dewey 19, Douglas*, Fall River 5, Grant*, Gregory*, Hanson*, Hughes 18, Hutchinson*, Jackson*, Kingsbury*, Lake*, Lawrence 5, Lincoln 12, Lyman 14, Meade 6, Mellette*, Miner*, Minnehaha 139, Moody*, Oglala Lakota 23, Pennington 74, Roberts 7, Sanborn*, Stanley*, Todd 20, Tripp*, Turner*, Union*, Walworth*, Yankton 12, Ziebach*
(*counties with <5 cases).

Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

Tuberculosis

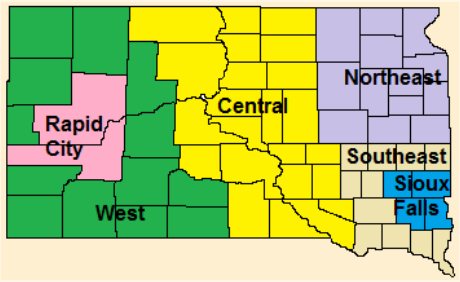
Symptoms of TB disease include: bad cough 3 weeks or longer, pain in the chest, coughing up blood or sputum, weakness or fatigue, weight loss, chills, fever, sweating at night.

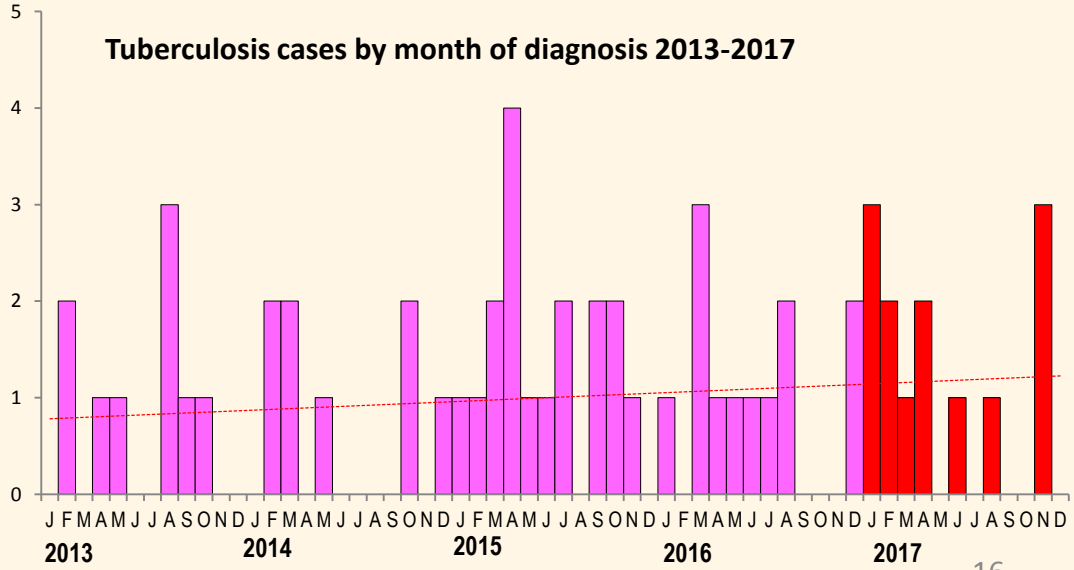
Regions	Cases	Rate†
Sioux Falls MSA	3	1.2
Rapid City MSA	0	0.0
Northeast	3	1.7
Southeast	3	2.6
Central	2	2.1
West	2	2.1
South Dakota	**13**	**1.5**



†Rate: cases per 100,000 population. MSA: Metropolitan Statistical Area.

Counties with cases: Beadle*, Brookings*, Charles Mix*, Corson*, Haakon*, Mellette*, Minnehaha*, Roberts*, Yankton*, (*counties with <5 cases).



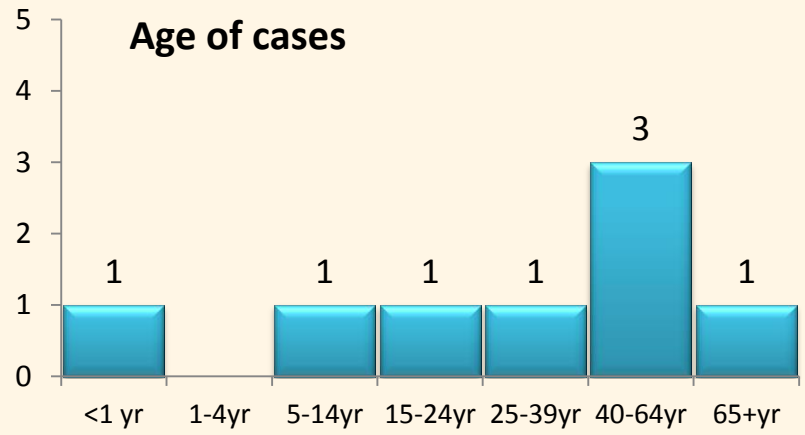


SD tuberculosis: http://doh.sd.gov/diseases/infectious/TB/

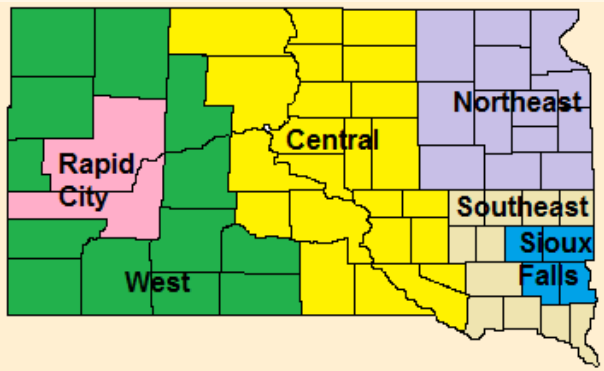
Pertussis (whooping cough)

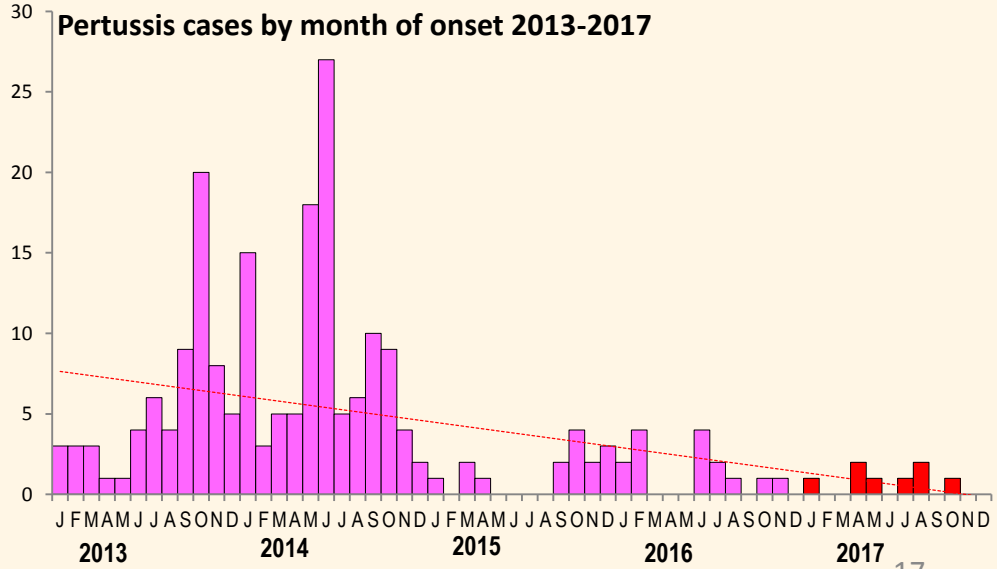
Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe.

Regions	Cases	Rate†
Sioux Falls MSA	4	1.6
Rapid City MSA	2	1.5
Northeast	0	0.0
Southeast	1	0.9
Central	1	1.1
West	0	0.0
South Dakota	**8**	**0.9**



†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.
Counties with cases: (Counties not shown if <10 cases statewide)



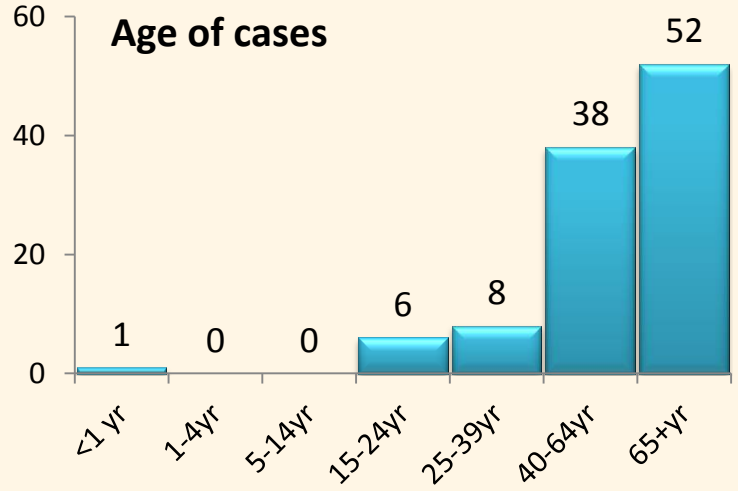


Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

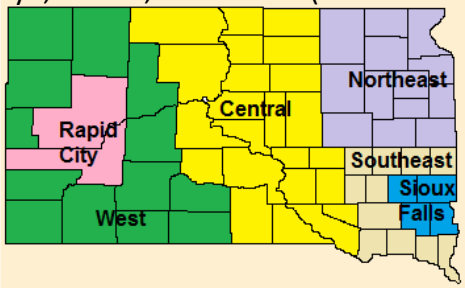
MRSA

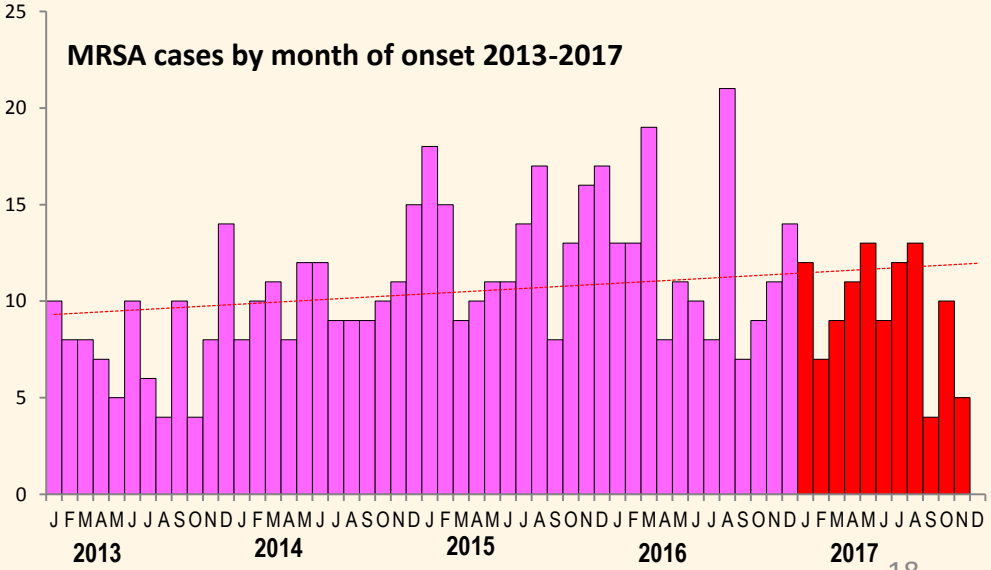
Invasive methicillin-resistant *Staphylococcus aureus*

Regions	Cases	Rate†
Sioux Falls MSA	28	10.9
Rapid City MSA	13	9.5
Northeast	8	4.6
Southeast	14	12.4
Central	18	19.3
West	24	25.7
South Dakota	**105**	**12.1**



†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.
Counties with cases: Bennett*, Brown*, Butte*, Campbell*, Charles Mix 6, Clay*, Corson*, Davison*, Dewey*, Fall River*, Grant*, Gregory*, Haakon*, Hanson*, Hughes*, Hutchinson*, Lake*, Lincoln*, Lyman*, McCook*, McPherson*, Meade*, Minnehaha 24, Moody*, Oglala Lakota 6, Pennington 11, Roberts*, Spink*, Stanley*, Todd 8, Yankton 5 (*counties with <5 cases).



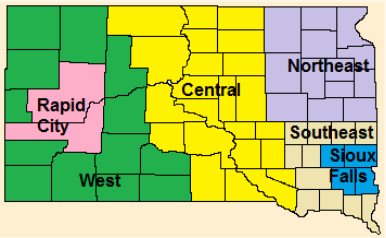


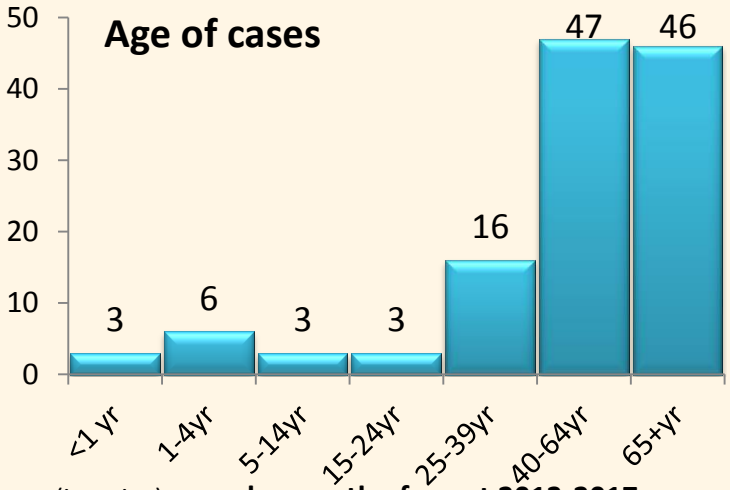
Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

Streptococcus pneumoniae, invasive

Death occurs in 14% of hospitalized adults with invasive disease. Neurologic sequelae and learning disabilities can occur in meningitis patients.

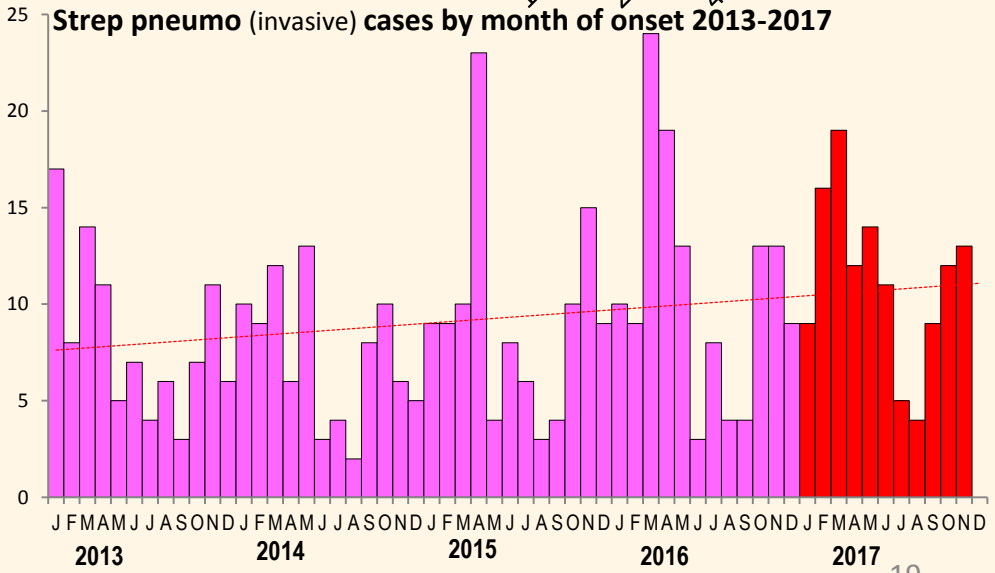
Regions	Cases	Rate†
Sioux Falls MSA	29	11.3
Rapid City MSA	18	13.1
Northeast	12	7.0
Southeast	20	17.6
Central	28	30.0
West	17	18.2
South Dakota	**124**	**14.3**





†Rate: cases per 100,000 population.
MSA: Metropolitan Statistical Area.

Counties with cases: Bennett*, Bon Homme*, Brookings*, Brown 5, Brule*, Buffalo*, Campbell*, Charles Mix*, Clark*, Codington*, Corson*, Custer*, Davison 6, Day*, Edmunds*, Hughes 7, Hutchinson*, Jackson*, Jerauld*, Lake*, Lawrence*, Lincoln*, Lyman*, McCook*, McPherson*, Meade*, Minnehaha 22, Moody*, Oglala Lakota 6, Pennington 16, Roberts*, Sanborn*, Todd*, Tripp*, Turner*, Union*, Walworth*, Yankton*
(*counties with <5 cases).



Disease fact sheets: http://doh.sd.gov/diseases/infectious/diseasefacts

SOUTH DAKOTA: 1 January – 30 November 2017: Provisional Data

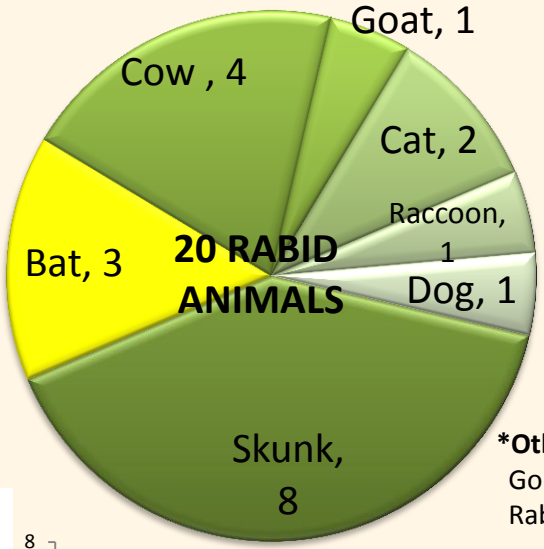
Rabies

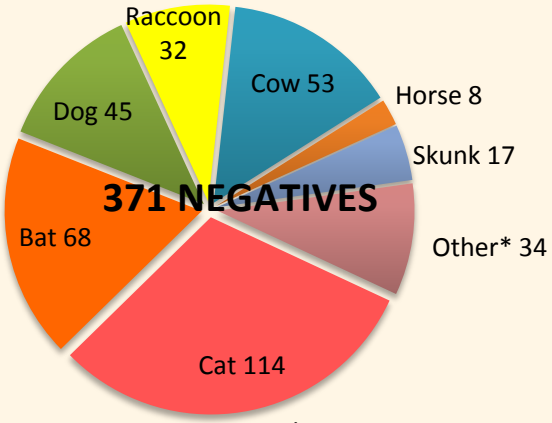
Rabies is a fatal, but preventable, disease of mammals most often transmitted through the bite of a rabid animal.

Counties

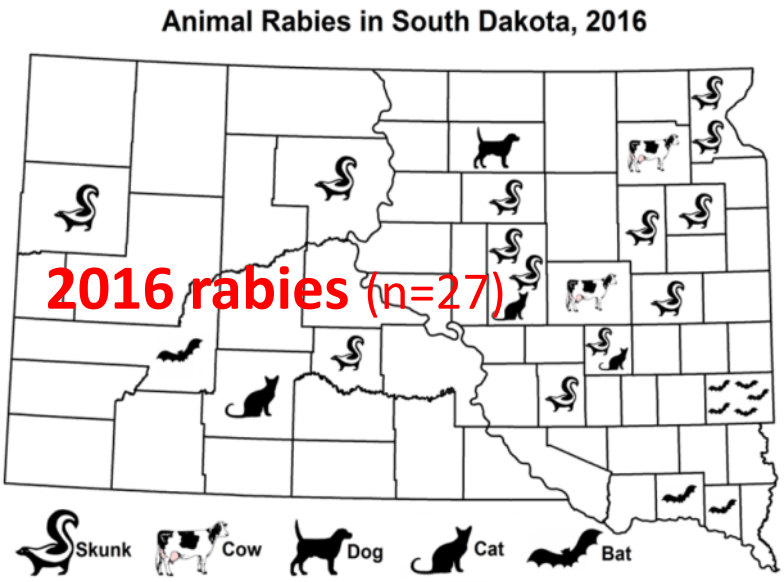
- Clark: dog 1
- Day: cow 1
- Edmunds: skunk 1
- Grant: cow 1
- Hand: goat 1
- Hughes: cat 1
- Hyde: cow 1
- Lawrence: bat 2
- Minnehaha: bat 1
- Miner: skunk 3, cow 1
- Perkins: raccoon 1
- Roberts: skunk 3, cat 1
- Walworth: skunk 1

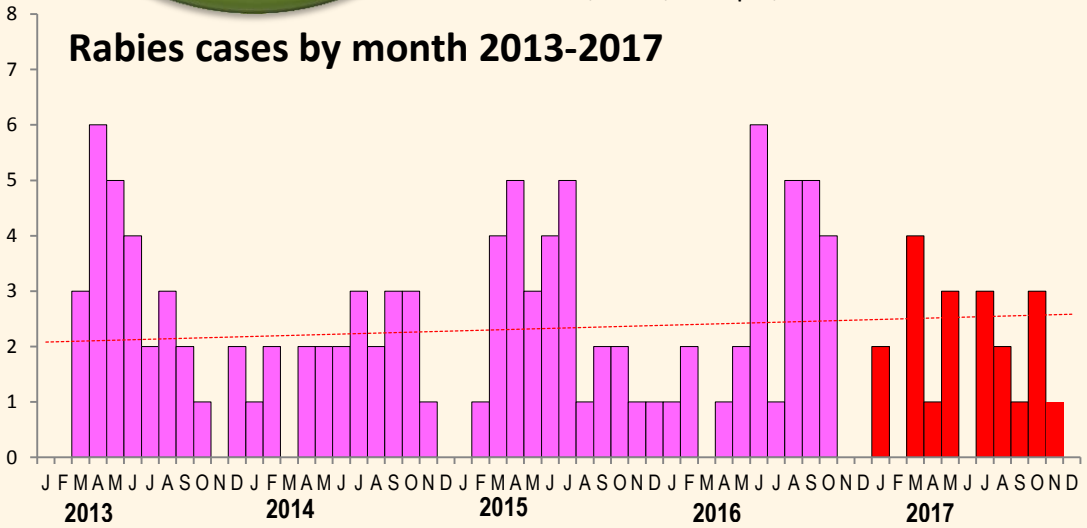
20 rabid animals reported





***Others**: Coyote 2, Deer 3, Donkey 1, Fox 2, Goat 3, Gopher 1, Marmot 1, Muskrat 3, Opossum 3, Rabbit 1, Rat 2, Sheep 3, Woodchuck 2.





SD Rabies surveillance: http://doh.sd.gov/documents/statistics/2015Rabies.pdf

Healthcare Associated Infections, South Dakota

- 14 South Dakota hospitals and 19 long-term care facilities participate in the National Healthcare Safety Network (NHSN) report to the SD Dept of Health

- 4 target areas:
  - *Clostridium difficile* infections;
  - Bloodstream MRSA (methicillin-resistant *Staphylococcus aureus*);
  - Central line associated bloodstream infections (CLABSI);
  - Surgical site infection.

- Reports 1 January – 30 November 2017:
  - *C. difficile*: 842 cases (197 hospital onset)
  - MRSA (bloodstream): 110 (18 hospital onset)
  - CLABSI: 31 cases
  - SSI: 71 cases (62 colon, 9 hysterectomy)

  - 19 long-term care facilities report *C. difficile* to NHSN: 12 events

MRSA: methicillin-resistant staphylococcus aureus
CLABSI: central line-associated bloodstream infections
SSI: surgical site infection

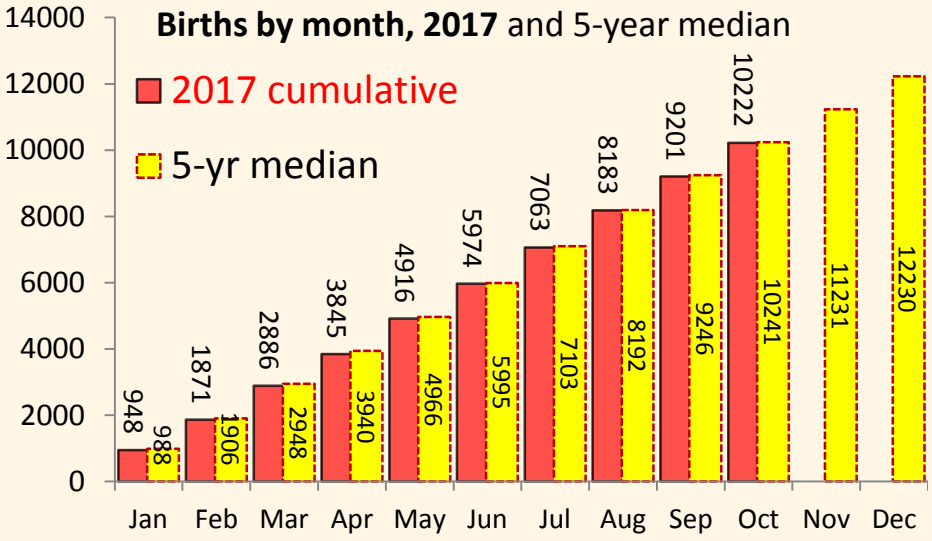
Please see CDC: www.cdc.gov/nhsn
South Dakota healthcare associated infections: http://doh.sd.gov/diseases/hai/

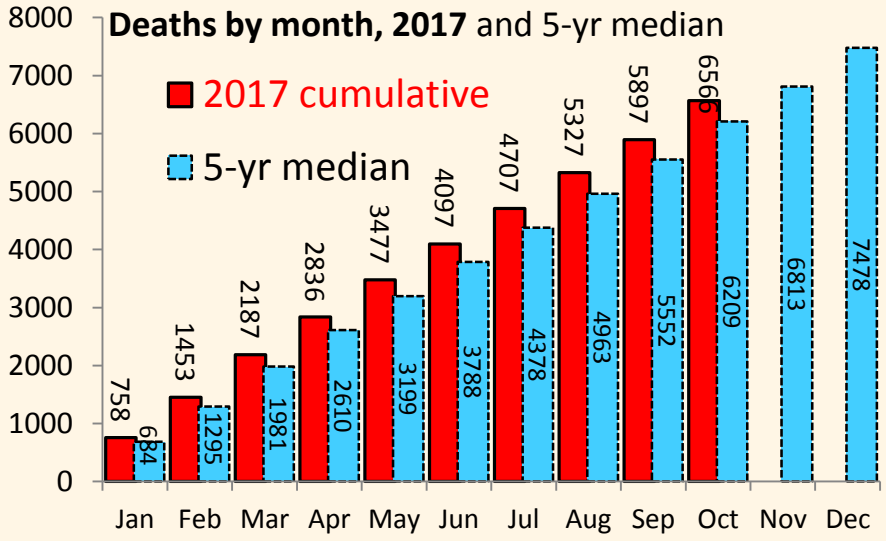
Other diseases, South Dakota, year-to-date 2017

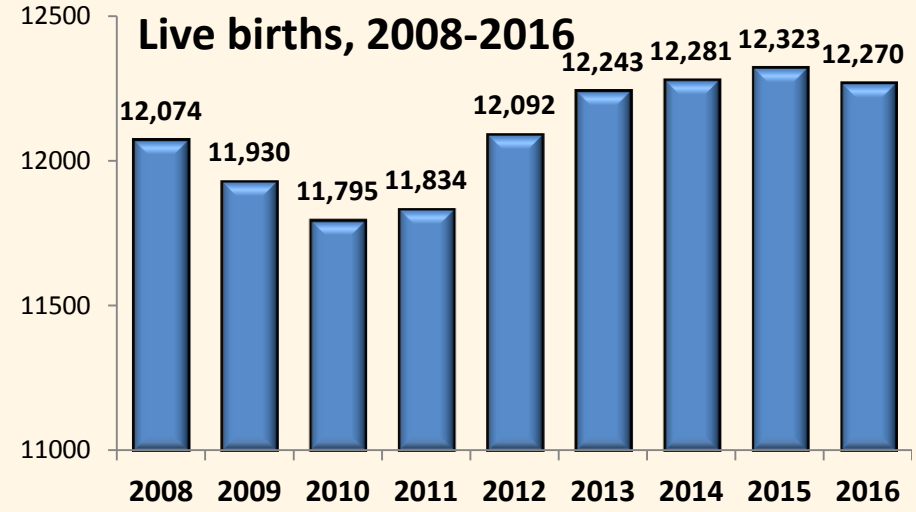
Disease	Total cases YTD	5-yr median (2012-2016)	Regions					
			Sioux Falls MSA	Rapid City MSA	Northeast	Southeast	Central	West
Brucellosis	1	0	0	0	1	0	0	0
Carbapenem-resistant Enterobacteriaceae	58	21	19	12	12	3	10	2
Chicken pox	21	28	5	1	5	4	3	3
Coccidioidomycosis	5	-	1	2	1	0	0	1
Cyclosporiasis	4	1	1	3	0	0	0	0
Ehrlichiosis/Anaplasmosis	1	1	1	0	0	0	0	0
Haemophilus influenzae, invasive (all types)	20	-	9	2	2	0	4	3
Hepatitis A	1	2	0	1	0	0	0	0
Hepatitis B, chronic	42	49	29	1	6	3	1	2
Legionnaires' disease	14	8	2	5	2	0	1	4
Listeriosis	2	-	1	1	0	0	0	0
Lyme disease	11	4	4	3	1	1	2	0
Malaria	8	4	7	0	1	0	0	0
Q Fever	5	4	0	0	2	1	1	1
Spotted fever rickettsiosis	11	3	4	0	2	1	3	1
Tularemia	13	7	1	1	0	2	2	7
Vibriosis	12	-	2	4	2	1	0	3

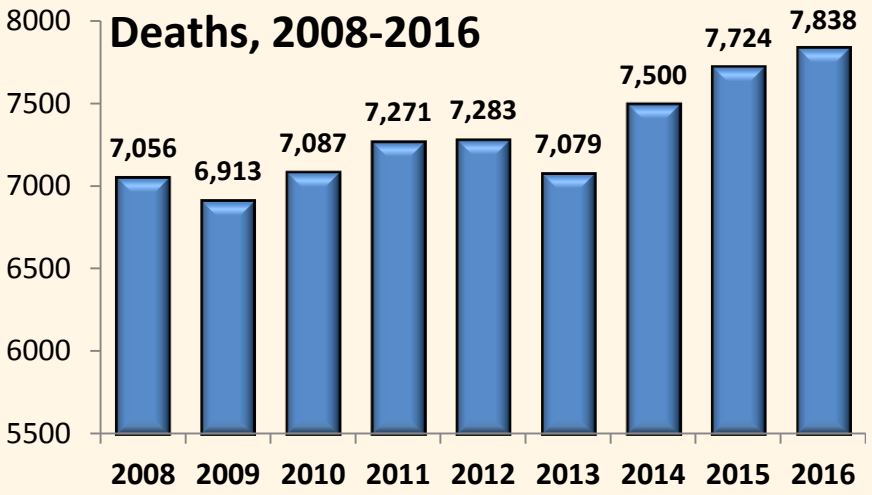
SOUTH DAKOTA: 1 January – 30 November 2017: Provisional Data

Births and deaths, South Dakota, 2017









Vital Records: http://doh.sd.gov/records/

Infectious Diseases, South Dakota 2006-2016

Reportable diseases	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Median	TOTAL
Babesiosis	0	0	0	0	0	0	0	1	1	0	0	**0**	**2**
Brucellosis	0	0	0	0	0	0	0	1	0	0	0	**0**	**1**
Campylobacteriosis	217	231	262	300	297	301	276	296	307	346	447	**297**	**3,280**
Chicken Pox (Varicella)	116	82	55	53	62	67	32	43	23	27	32	**53**	**592**
Chlamydia	2,624	2,612	2,919	3,015	3,187	3,412	3,925	3,947	4,129	3,877	4,337	**3412**	**37,984**
Carbapenem-resist Enter(CRE)	NR	NR	NR	NR	NR	NR	NR	12	3	37	58	**24.5**	**110**
Cryptosporidiosis	86	169	88	137	108	143	113	175	151	248	158	**143**	**1,576**
Cyclosporiasis	0	0	1	0	0	0	0	1	0	0	3	**0**	**5**
Ehrlichiosis, Anaplasmosis	0	0	1	0	0	4	1	1	0	0	1	**0**	**8**
Dengue	0	3	0	0	1	0	2	3	0	2	1	**1**	**12**
Giardiasis	98	103	137	113	102	110	144	111	131	129	116	**113**	**1,294**
Gonorrhea	363	254	382	345	467	602	707	789	880	1,055	1,273	**602**	**7,117**
Hantavirus pulmonary synd	2	1	0	0	0	1	1	0	0	0	0	**0**	**5**
Hepatitis A	9	7	3	3	1	2	0	4	3	2	2	**3**	**36**
Hepatitis B, chronic	17	36	48	33	51	51	51	80	58	52	60	**51**	**537**
Hepatitis B, acute	6	6	0	4	2	2	2	5	3	2	2	**2**	**34**
Hepatitis C, chronic	352	309	364	384	350	356	392	406	516	570	713	**384**	**4,712**
Hepatitis C, acute	0	0	0	1	0	0	4	1	0	0	22	**0**	**28**
Haemophilus influenzae b	0	0	0	0	0	1	0	3	0	1	1	**0**	**6**
Hemolytic uremic syndrome	1	1	3	3	2	0	0	0	1	1	1	**1**	**13**
Legionellosis	5	4	3	2	9	2	9	8	9	10	9	**8**	**70**
HIV and AIDS	34	25	34	21	35	21	29	36	31	24	47	**31**	**337**
Leprosy	0	0	1	0	0	0	0	0	0	0	0	**0**	**1**
Listeriosis	2	2	1	1	3	1	0	0	0	0	0	**1**	**10**
Lyme disease	1	0	3	1	1	4	4	4	2	5	11	**3**	**36**
Malaria	0	1	0	1	3	2	5	7	5	4	4	**3**	**32**
Measles	0	0	0	0	0	0	0	0	8	2	0	**0**	**10**
Mumps	295	6	1	2	2	0	0	0	0	0	2	**1**	**308**
Meningococcal disease	4	3	3	5	0	3	0	4	2	1	1	**3**	**26**
Pertussis	28	59	67	56	32	37	71	67	109	16	14	**56**	**556**
Q fever	2	1	1	9	4	1	2	4	5	5	4	**4**	**38**
Rabies, animal	38	27	24	53	32	40	60	28	21	29	27	**29**	**379**
Rocky Mountain spot fever	0	5	3	0	0	1	1	7	3	2	6	**2**	**28**
Salmonellosis	133	173	154	197	186	162	170	183	164	230	303	**173**	**2,055**
MRSA, invasive	51	88	77	94	98	91	89	94	124	159	144	**94**	**1,109**
Shigellosis	388	118	76	4	7	6	11	190	616	285	28	**76**	**1,729**
Strep. pneumoniae, invasive	NR	NR	NR	NR	NR	42	97	99	88	110	129	**98**	**565**
Shiga toxin-producing E. coli	50	47	53	71	35	41	48	42	41	62	83	**48**	**573**
Syphilis, Prim, Sec, E Lat	19	11	4	2	4	0	21	49	76	48	42	**19**	**276**
Syphilis, congenital	0	0	0	0	0	0	0	0	3	0	2	**0**	**5**
Toxic shock syndrome	0	0	1	0	0	0	0	0	0	3	1	**0**	**5**
Tularemia	4	7	10	5	11	8	5	7	5	25	14	**7**	**101**
Tuberculosis	14	13	16	18	15	15	19	9	8	17	12	**15**	**156**
Typhoid fever	1	0	2	2	1	0	0	3	0	1	2	**1**	**12**
West Nile fever	75	160	28	15	16	2	141	92	45	29	116	**45**	**719**
West Nile neuroinvasive	38	48	11	6	4	0	62	57	12	11	35	**12**	**284**
TOTAL	5,073	4,612	4,836	4,956	5,128	5,531	6,494	6,869	7,583	7,427	8,262	**5,516**	**66,778**

South Dakota Department of Health

doh.sd.gov/strategicplan

Vision

Healthy People
Healthy Communities
Healthy South Dakota

Mission

To promote, protect and improve the health of every South Dakotan

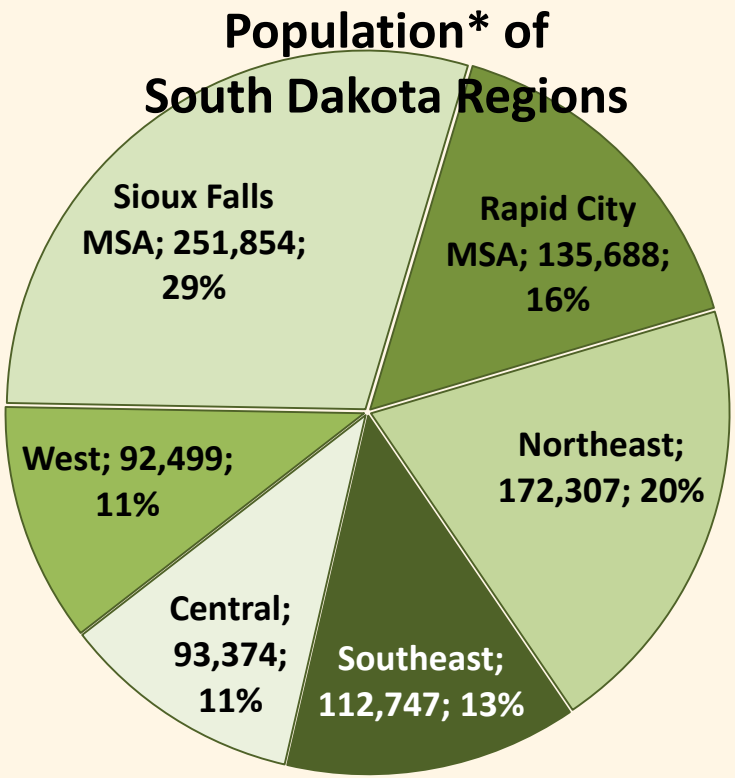
Guiding Principles

Serve with integrity
Eliminate health disparities
Demonstrate leadership and accountability
Focus on prevention and outcomes
Leverage partnerships
Promote innovation

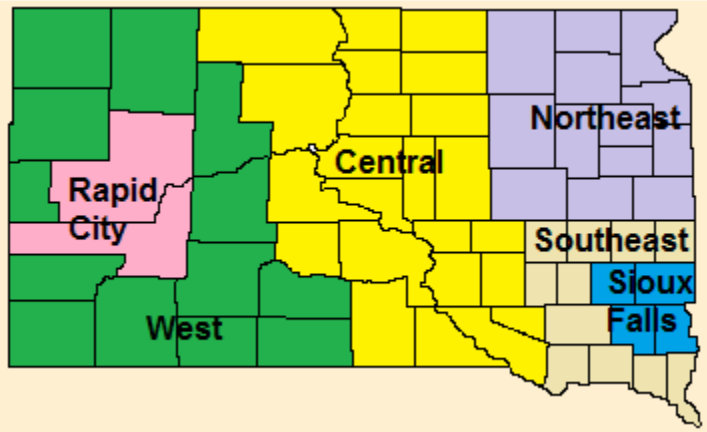
South Dakota Regions

Region	Population	%	Area (sq miles)	Density (people per sq mile)
Sioux Falls MSA*	255,729	29.5%	3,141	81.4
Rapid City MSA*	137,065	15.8%	6,247	21.9
Northeast	172,538	19.9%	12,277	14.1
Southeast	113,356	13.1%	5,863	19.3
Central	93,423	10.8%	24,860	3.8
West	93,343	10.8%	23,508	4.0
South Dakota	**865,454**	100%	**75,896**	11.4

*Metropolitan Statistical Area



*US Census Bureau, 2016 population estimate



Age group	2015 Population
<1 year	12,419
1-4 years	48,825
5-14 years	116,791
15-24 years	117,963
25-39 years	162,905
40-64 years	265,146
>65 years	134,420
TOTAL	**858,469**

Reportable Diseases List

http://doh.sd.gov/diseases/infectious/reporting-communicable-diseases.aspx

Monthly surveillance reports

http://doh.sd.gov/statistics/surveillance

How to report infectious diseases

1. Secure disease reporting website: **https://sd.gov/diseasereport**
2. 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**.
3. Fax: **605-773-5509**
4. 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"*

Department of Health publications

- **Public Health Bulletin: http://doh.sd.gov/resources/bulletin.aspx**
- **Adult Risk Behaviors: http://doh.sd.gov/statistics/2010BRFSS/**
- **Youth Risk Behaviors** (Dept of Education)**: http://doh.sd.gov/statistics/YRBS.aspx**
- **PRAMS** (Pregnancy risk assessment monitoring system) **https://doh.sd.gov/statistics/prams.aspx**