

Health and Disease Summary

January 2018

South Dakota infectious disease summary 2018

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Campylobacter	19	2.2	9	+111%
Carbapenem-resistant Enterobacteriaceae	2	0.2	2	+0%
Chlamydia	358	41.2	390	-8%
Cryptosporidiosis	4	0.5	7	-43%
E. coli, shiga toxin-producing	4	0.5	1	+300%
Giardiasis	5	0.6	6	-17%
Gonorrhea	112	12.9	89	+26%
Hepatitis C, acute and chronic	40	4.6	46	-13%
HIV, including Stage III (AIDS)	2	0.2	3	-33%
Pertussis	3	0.3	2	+50%
Pneumococcal disease, invasive	12	1.4	10	+20%
Rabies, animal	1	NA	1	+0%
Salmonella	13	1.5	9	+44%
Shigella	1	0.1	3	-67%
Syphilis, early	6	0.7	8	-25%
Tuberculosis	1	0.1	1	+0%
Varicella	1	0.1	1	+0%

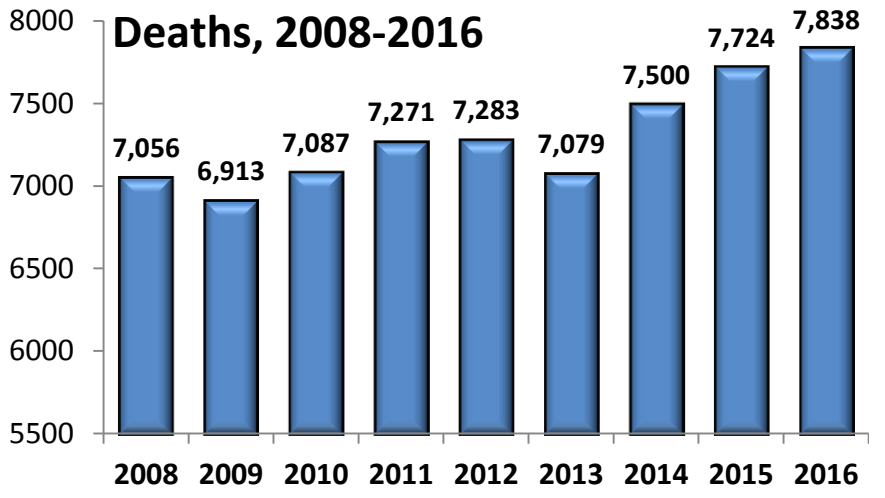
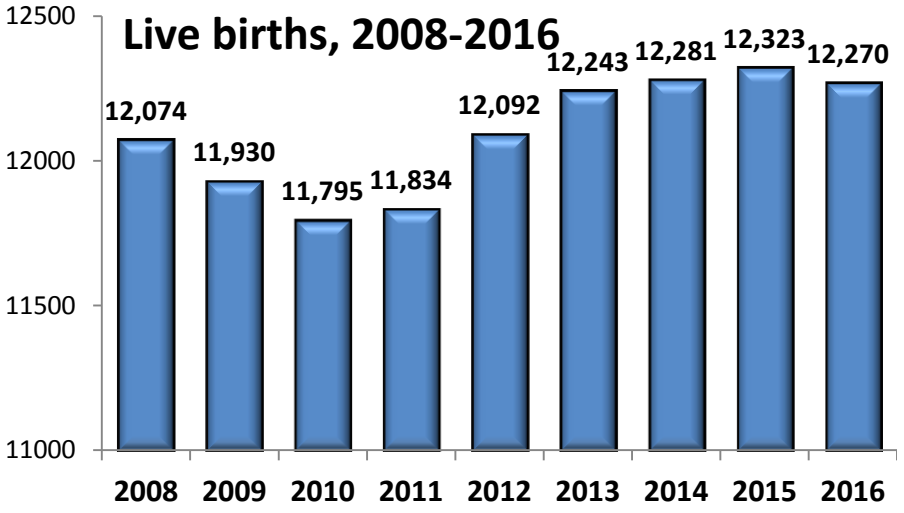
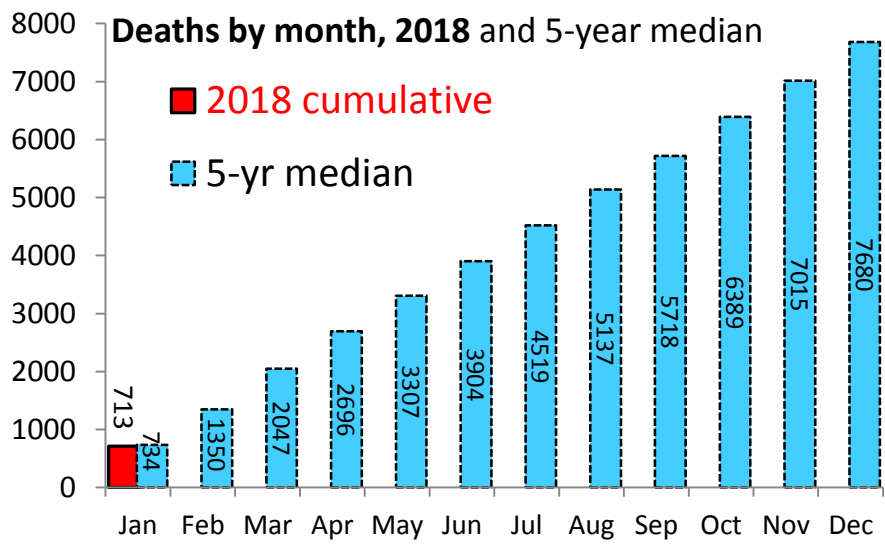
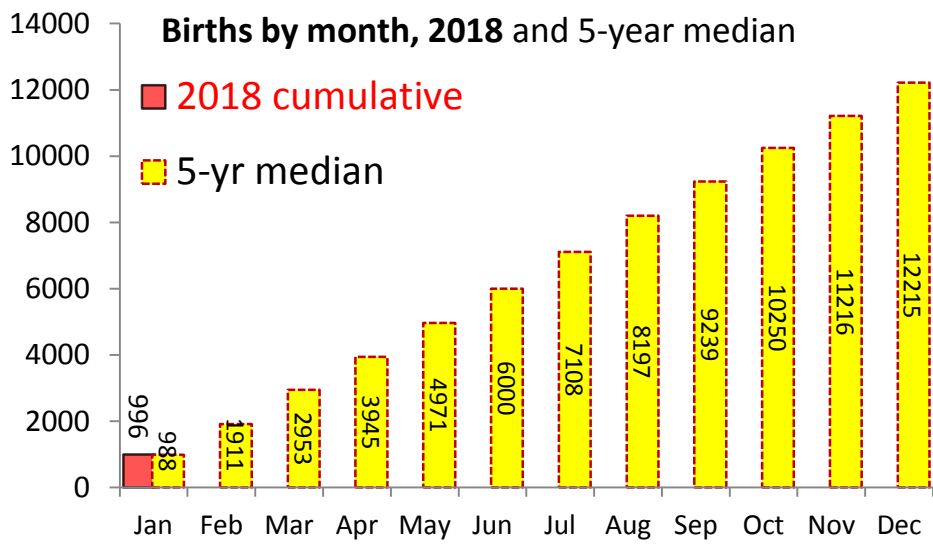
South Dakota infectious disease summary 2018

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Haemophilus influenzae	5	0.6	--	--
Hepatitis B, chronic	2	0.2	4	-50%
MRSA, invasive	18	2.1	12	+50%
Vibriosis	1	0.1	--	--

YTD: Year-to-Date Rate: Cases per 100,000 population 5-Year Median: 2013–2017



Births and deaths, South Dakota, 2018



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**

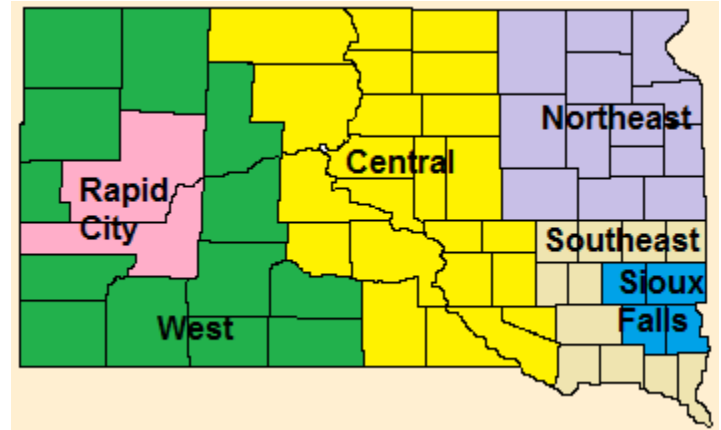
Guiding Principles

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



South Dakota Regions

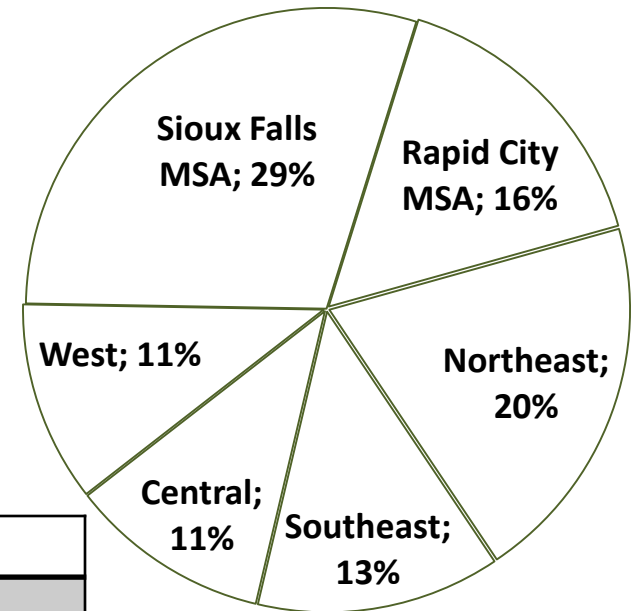
Region	Population	%	Area (sq miles)	Density (people per sq mile)
Sioux Falls MSA*	255,729	29.5%	3,141	81.4
Rapid City MSA*	137,065	15.8%	6,247	21.9
Northeast	172,538	19.9%	12,277	14.1
Southeast	113,356	13.1%	5,863	19.3
Central	93,423	10.8%	24,860	3.8
West	93,343	10.8%	23,508	4.0
South Dakota	865,454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



*Metropolitan Statistical Area

Age Group	Population	%
<1 year	12,217	1%
1–4 years	49,152	6%
5–14 years	118,319	14%
15–24 years	118,204	14%
25–39 years	165,123	19%
40–64 years	263,634	30%
>65 years	138,805	16%

Region	Population
East River	607,695
West River	257,759



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: <http://sd.gov/diseasereport>
2. Telephone: **1-800-592-1804** confidential recorder; or
1-800-592-1861 or **605-773-3737** After hours for Category I diseases or during normal business hours.
1. Fax: **605-773-5509**
2. Mail or courier: Office of Disease Prevention, SD 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>