

# Health and Disease Summary

October 2019

# South Dakota Infectious Disease Summary 2019

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Campylobacter	481	54.5	358	+34%
Carbapenem-resistant Enterobacteriaceae	34	3.9	42	-19%
Chlamydia	3818	432.8	3653	+5%
Coccidioidomycosis	6	0.7 <sup>‡</sup>	4 <sup>*</sup>	+50%
Cryptosporidiosis	153	17.3	149	+3%
Cyclosporiasis	10	1.1 <sup>‡</sup>	3	+400%
E. coli, shiga toxin-producing	122	13.8	76	+61%
Ehrlichiosis	0	0.0 <sup>‡</sup>	1	-100%
Giardiasis	73	8.3	101	-28%
Gonorrhea	1728	174.4	1054	+64%
Haemophilus influenzae, invasive	24	2.7	17 <sup>*</sup>	+41%
Hantavirus	2	0.2 <sup>‡</sup>	0	--
Hepatitis A	8	0.9 <sup>‡</sup>	1	+700%
Hepatitis B, chronic	28	3.2	44	-36%
Hepatitis C, acute and chronic	499	56.6	487	+2%
HIV, including Stage III (AIDS)	27	3.1	26	+4%
Legionellosis	19	2.2 <sup>‡</sup>	8	+138%
Listeriosis	0	0.0 <sup>‡</sup>	0	--
Lyme disease	8	0.9 <sup>‡</sup>	7	+14%

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Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Malaria	6	0.7 <sup>‡</sup>	4	+50%
Measles	0	0.0 <sup>‡</sup>	0	--
Mumps	12	0.3 <sup>‡</sup>	0	--
MRSA, invasive	130	14.7	119	+9%
Pertussis	115	13.0	14	+721%
Pneumococcal disease, invasive	85	9.6	86	-1%
Q fever	10	1.1 <sup>‡</sup>	5	+100%
Rabies, animal	16	NA	27	-41%
Salmonella	146	16.5	205	-29%
Shigella	7	0.8 <sup>‡</sup>	28	-75%
Spotted fever Rickettsiosis	10	1.1 <sup>‡</sup>	6	+67%
Syphilis, early	38	4.3	46	-17%
Toxic shock syndrome	0	0.0 <sup>‡</sup>	--	--
Tuberculosis	16	1.8 <sup>‡</sup>	10	+60%
Tularemia	16	1.8 <sup>‡</sup>	13	+23%
Varicella	24	2.7	21	+14%
Vibriosis	3	0.3 <sup>‡</sup>	8*	-63%
West Nile Virus	10	1.1 <sup>‡</sup>	73	-86%

YTD: Year-to-Date    Rate: Cases per 100,000 population    5-Year Median: 2014–2018 (\* Denotes 3-Year Median: 2016–2018)

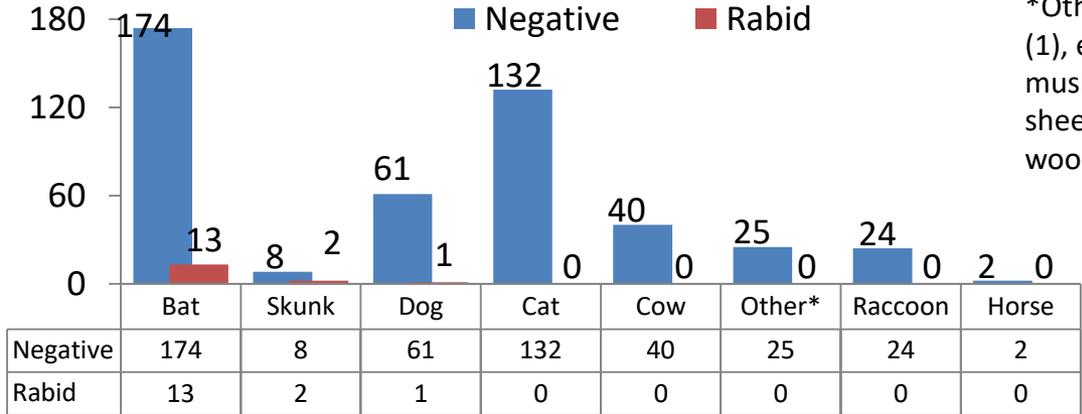
‡ Unstable rate based on <20 observations

# Rabies

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

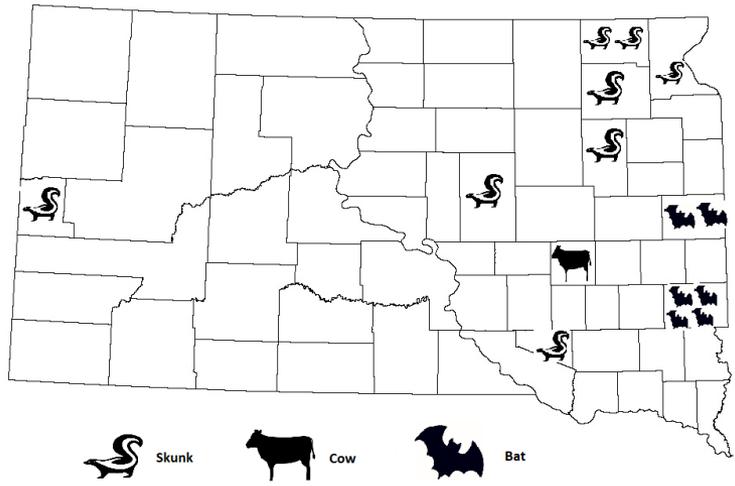
## Counties

- Brown: Skunk(1)
- Fall River: Bat(1)
- Lincoln: Bat(2)
- Minnehaha: Bat(7)
- Moody: Bat(1)
- Pennington: Bat(2)
- Roberts: Dog(1)
- Walworth: Skunk(1)

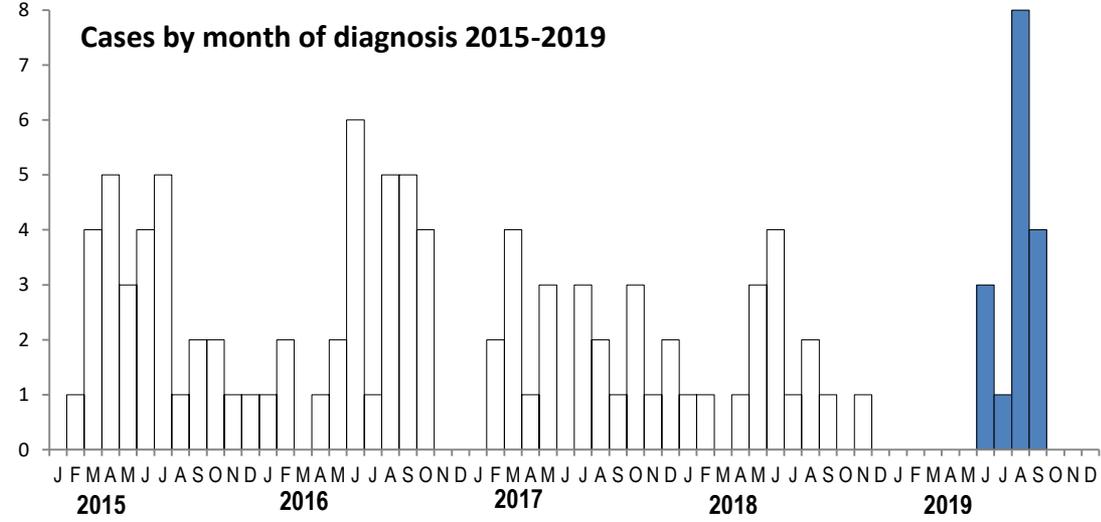


\*Other: coyote (3), donkey (1), elk (1), fox (1), mink (1), muskrat (5), opossum (3), sheep (2), squirrel (5), woodchuck (2)

## Animal Rabies in South Dakota, 2018 (N=15)

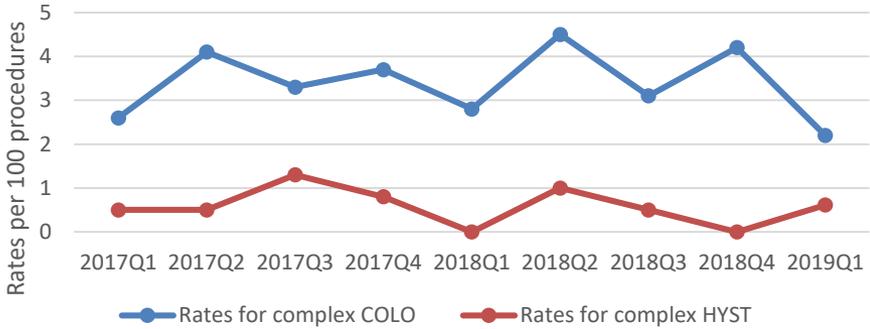


## Cases by month of diagnosis 2015-2019

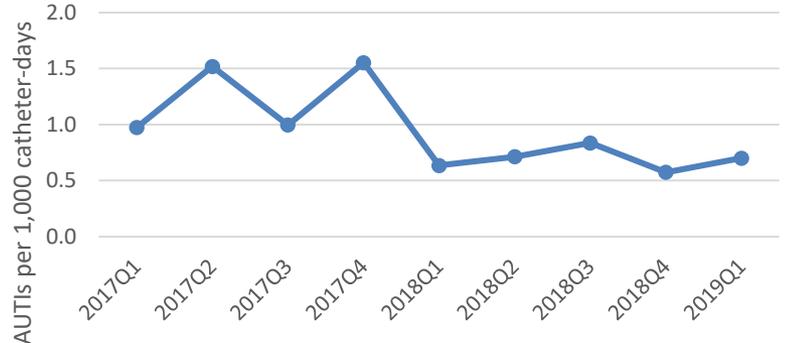


# National Healthcare Safety Network

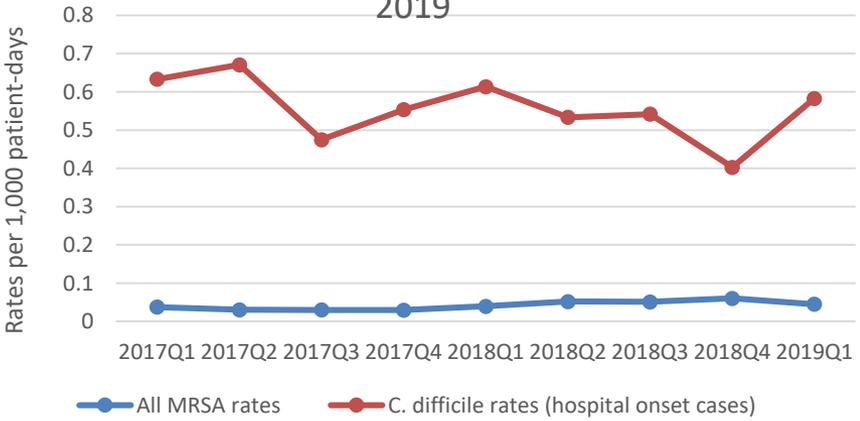
Surgical Site Infections. Complex COLO and HYST rates, Acute care hospitals, 2017-2019



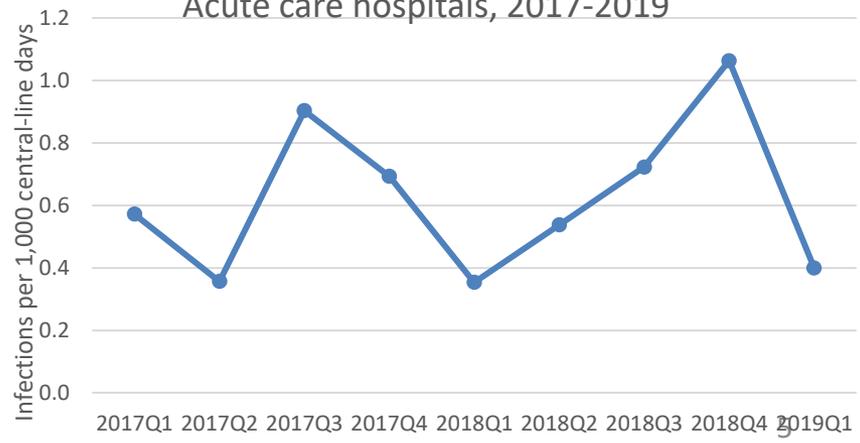
CAUTI rates per 1,000 catheter-days, Acute care hospitals, 2017-2019



MRSA and C. difficile LabId event rates per 1,000 admissions, Acute care hospitals, 2017-2019

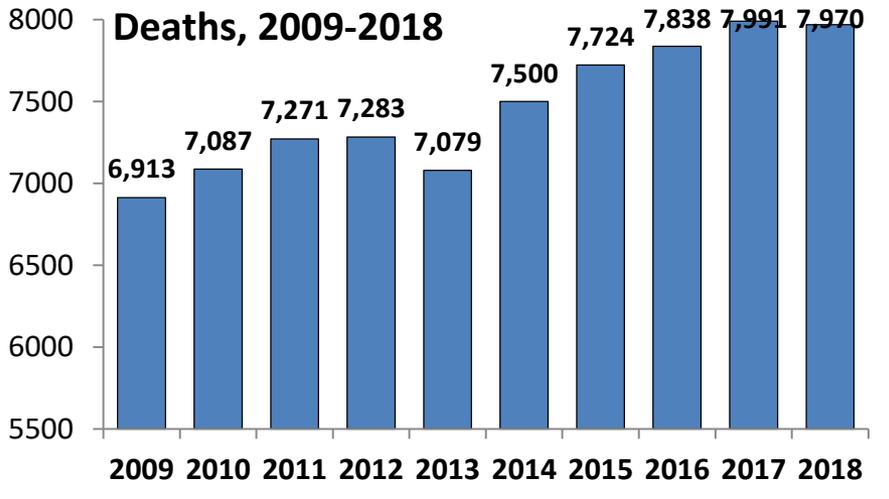
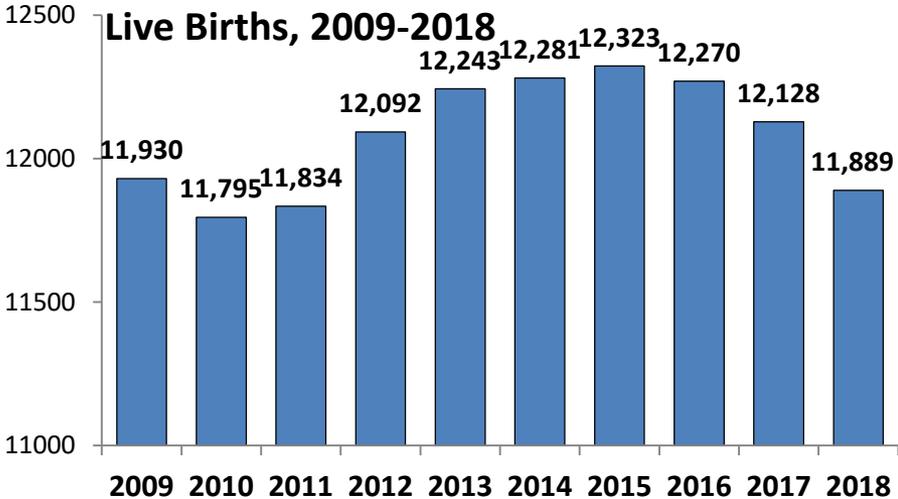
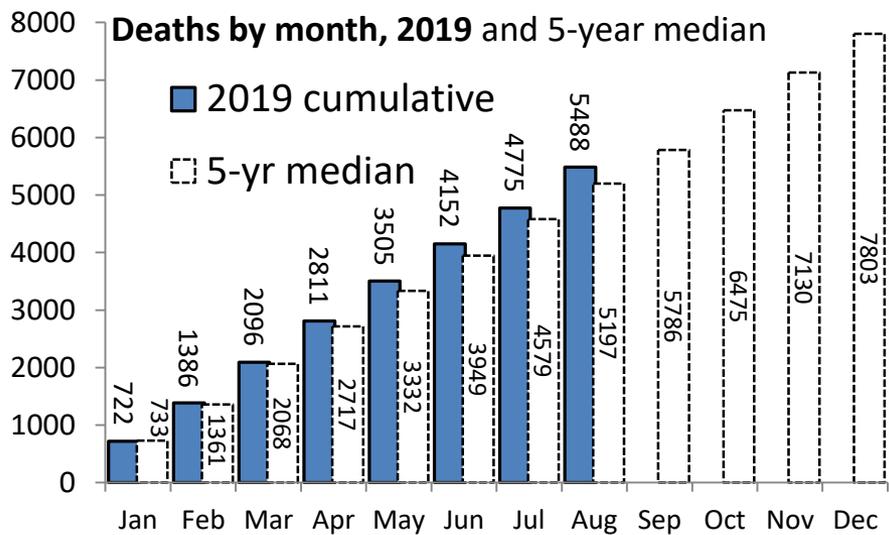
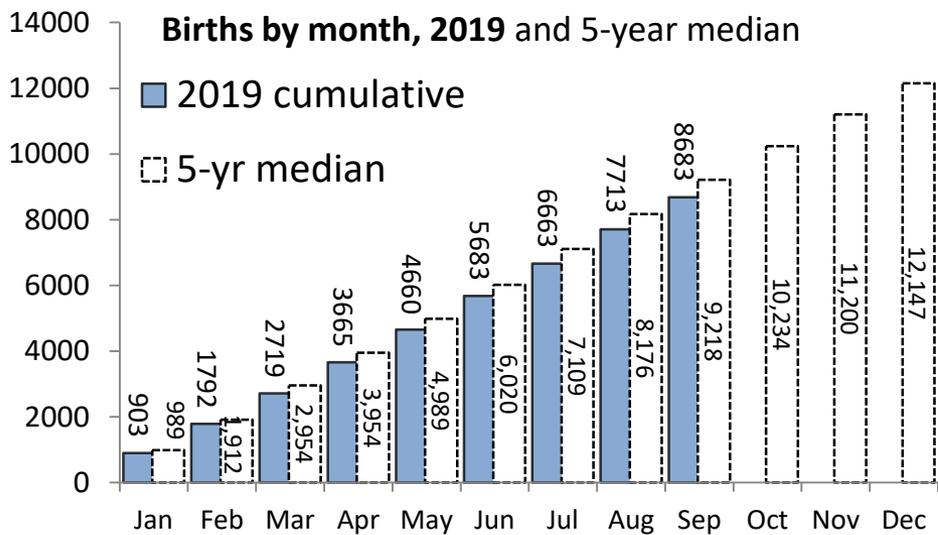


CLABSI rates (number of infections\*1000/number of central line days), Acute care hospitals, 2017-2019





# Births and Deaths, South Dakota, 2019



# *South Dakota Department of Health*

[doh.sd.gov/strategicplan](http://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**

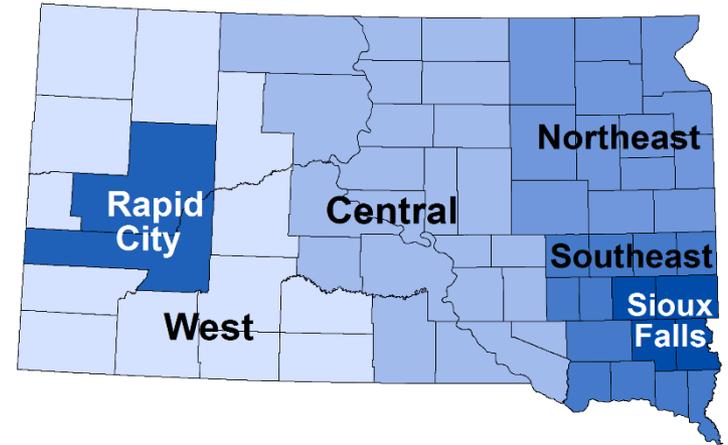
- Serve** with integrity
- Eliminate** health disparities
- Demonstrate** leadership and accountability
- Focus** on prevention and outcomes
- Leverage** partnerships
- Promote** innovation



SOUTH DAKOTA  
DEPARTMENT OF HEALTH

# South Dakota Regions

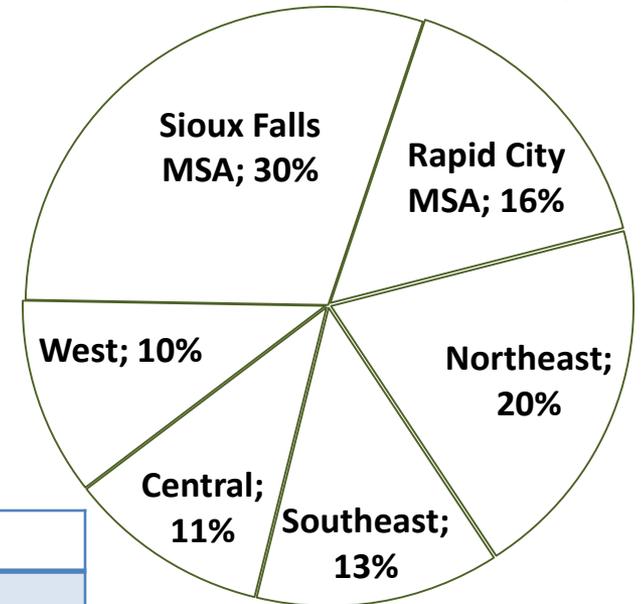
Region	Population	%	Area (sq miles)	Density (people per sq mile)
Sioux Falls MSA*	265,653	29.8%	3,141	84.6
Rapid City MSA*	140,023	15.9%	6,247	22.4
Northeast	175,258	19.8%	12,277	14.3
Southeast	114,333	13.0%	5,863	19.5
Central	93,281	10.8%	24,860	3.8
West	93,687	10.7%	23,508	4.0
South Dakota	882,235	100%	75,896	11.6



\*Metropolitan Statistical Area

Age Group	2017 Population	%
<1 year	12,257	1%
1–4 years	49,502	6%
5–14 years	119,675	14%
15–24 years	116,225	13%
25–39 years	168,141	19%
40–64 years	262,242	30%
>65 years	141,624	16%

Region	Population
East River	620,995
West River	261,240



## Reportable Diseases List

<https://doh.sd.gov/diseases/infectious/reporting.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: **1-800-592-1861** or **605-773-3737** during normal business hours or after hours for Category I diseases.
3. Fax: **605-773-5509**
4. 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/>
- **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>