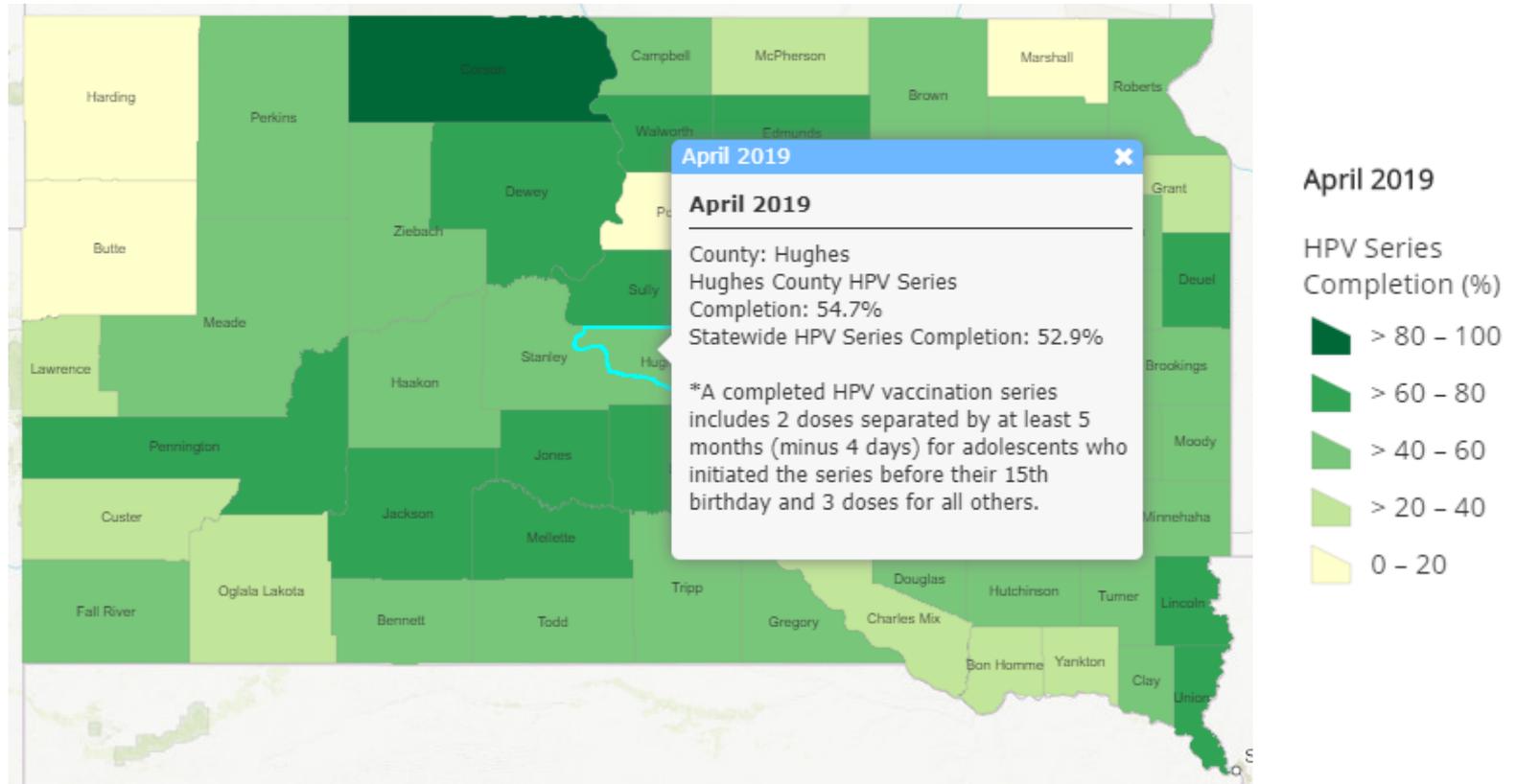


# Health and Disease Summary

May 2019



## County-Level HPV Vaccination Coverage Rate Maps Available for SD



The South Dakota Department of Health (SDDOH) is pleased to announce the release of interactive maps featuring county-level HPV vaccination rates in SD. These maps feature rates for [≥1 dose](#) and [series completion](#) and will be updated quarterly with the most current data. HPV vaccination print resources are also available [for order](#), free of charge: HPV vaccination brochure with reminder magnet (SDCCCP030) and an infographic poster (SDCCCP039). For additional HPV vaccination resources visit: <https://doh.sd.gov/HPV/>.

# Measles Update (as of 13 JUN 2019)

**U.S. Case Count:** 1,044 (Cases in 28 states; Neighboring states: Iowa)

**S.D. Case Count:** 0

**Symptoms:** Usually appear 7–14 days after exposure

- High fever (104°F or more)
- Cough
- Runny nose (coryza)
- Red, watery eyes (conjunctivitis)
- Koplik's spots (2–3 days after symptom onset)
- Maculopapular rash (3–5 days after symptom onset) appears on the face at the hairline and spread downward



Maculopapular rash of measles

**Maintain vigilance:** Due to the ongoing transmission of measles in the U.S., clinicians should be vigilant about individuals presenting with measles symptoms. Suspect patients should be isolated and tested immediately. Testing includes serum for IgM/IgG and nasopharyngeal swab for PCR.

**Vaccination:** A single dose is 93% effective at preventing illness

**For more information, visit:**

CDC: <https://www.cdc.gov/measles/index.html>

SD-DOH: <https://doh.sd.gov/diseases/measles.aspx>

SD Public Health Laboratory: <https://doh.sd.gov/lab/medical-microbiology/>



Koplik's spots on soft palate

# South Dakota Infectious Disease Summary 2019

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Campylobacter	226	25.6	142	+59%
Carbapenem-resistant Enterobacteriaceae	20	2.3	21	-5%
Chlamydia	1900	215.4	1830	+4%
Coccidioidomycosis	3	0.3 <sup>‡</sup>	4*	-25%
Cryptosporidiosis	56	6.3	45	+24%
Cyclosporiasis	0	0.0 <sup>‡</sup>	0	--
E. coli, shiga toxin-producing	43	4.9	22	+95%
Ehrlichiosis	0	0.0 <sup>‡</sup>	0	--
Giardiasis	20	2.3	40	-50%
Gonorrhea	780	88.4	492	+59%
Haemophilus influenzae, invasive	12	1.4 <sup>‡</sup>	8*	+50%
Hepatitis A	5	0.6 <sup>‡</sup>	0	--
Hepatitis B, chronic	18	2.0 <sup>‡</sup>	21	-14%
Hepatitis C, acute and chronic	224	25.4	256	-13%
HIV, including Stage III (AIDS)	9	1.0 <sup>‡</sup>	15	-40%
Legionellosis	8	0.9 <sup>‡</sup>	2	+300%
Listeriosis	0	0.0 <sup>‡</sup>	0	--
Lyme disease	1	0.1 <sup>‡</sup>	1	+0%

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

# South Dakota Infectious Disease Summary 2019

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Malaria	1	0.1‡	2	-50%
Measles	0	0.0‡	0	--
MRSA, invasive	53	6.0	62	-15%
Pertussis	78	8.8	6	+1200%
Pneumococcal disease, invasive	58	6.6	55	+5%
Q fever	1	0.1‡	3	-67%
Rabies, animal	0	NA	7	-100%
Salmonella	61	6.9	76	-16%
Shigella	5	0.6‡	12	-58%
Spotted fever Rickettsiosis	0	0.0‡	0	--
Syphilis, early	13	1.5‡	24	-46%
Toxic shock syndrome	0	0.0‡	--	--
Tuberculosis	6	0.6‡	7	-14%
Tularemia	2	0.2‡	2	+0%
Varicella	21	2.4	12	+75%
Vibriosis	0	0.0‡	0*	--
West Nile Virus	0	0.0‡	1	-100%

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

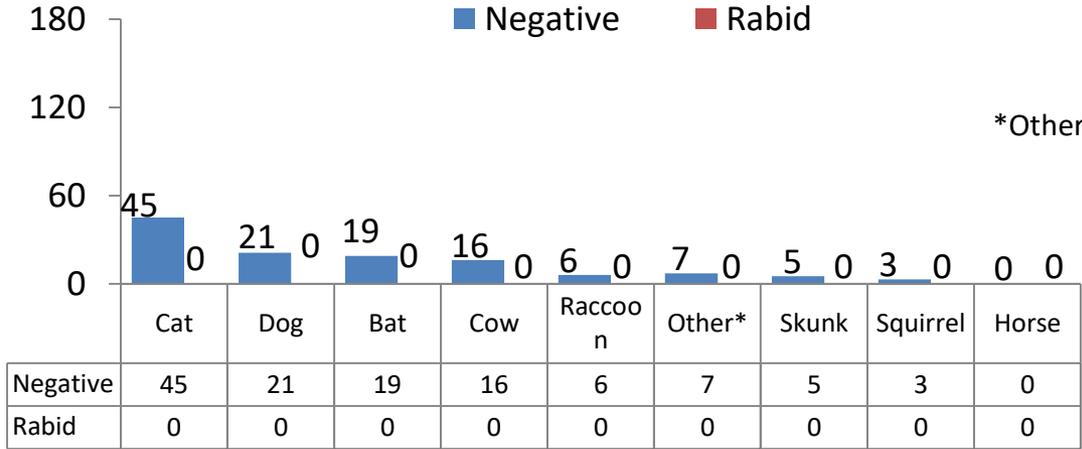
‡ Unstable rate based on <20 observations

# Rabies

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

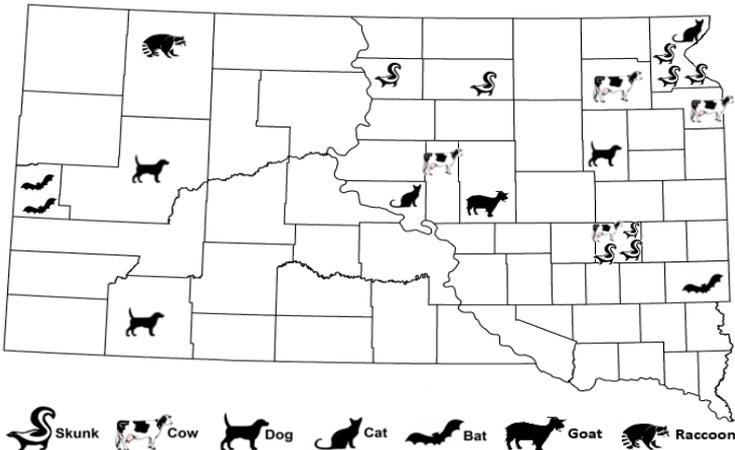
## Counties

None

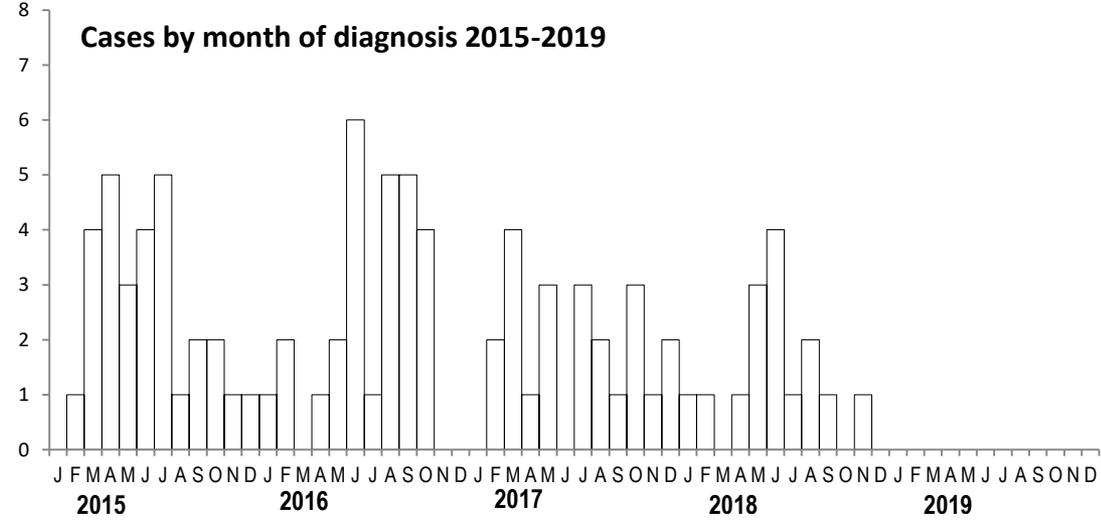


\*Other: coyote (1), donkey (1), muskrat (3), opossum (2)

## Animal Rabies in South Dakota, 2017 (N=22)

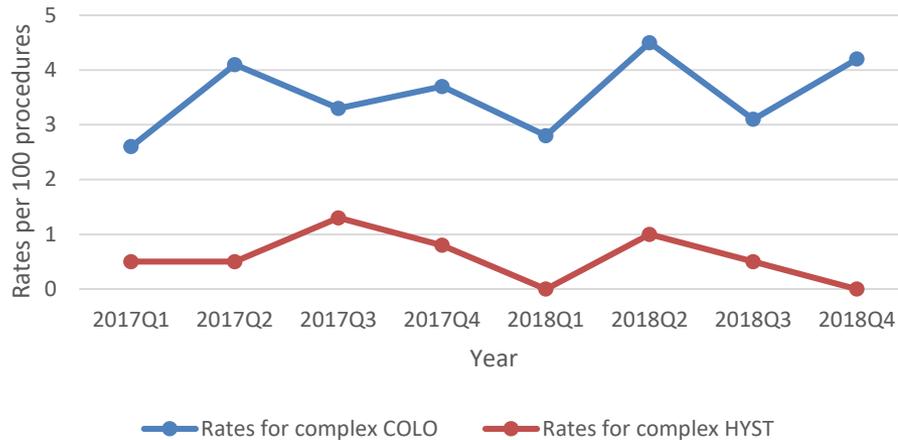


## Cases by month of diagnosis 2015-2019

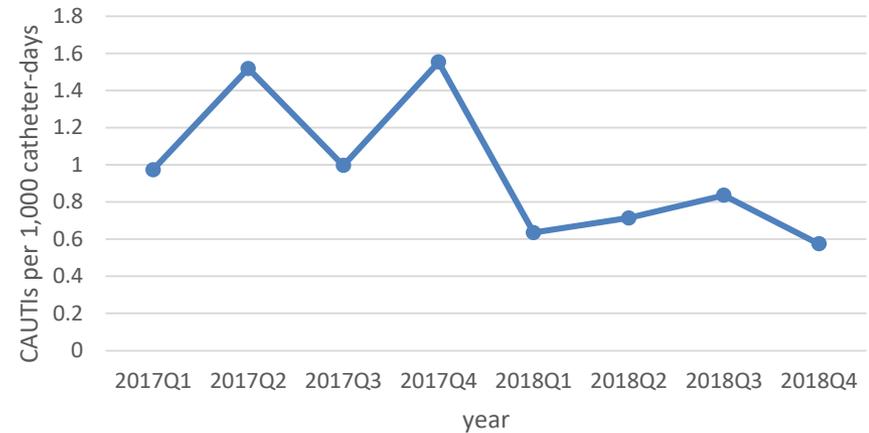


# National Healthcare Safety Network

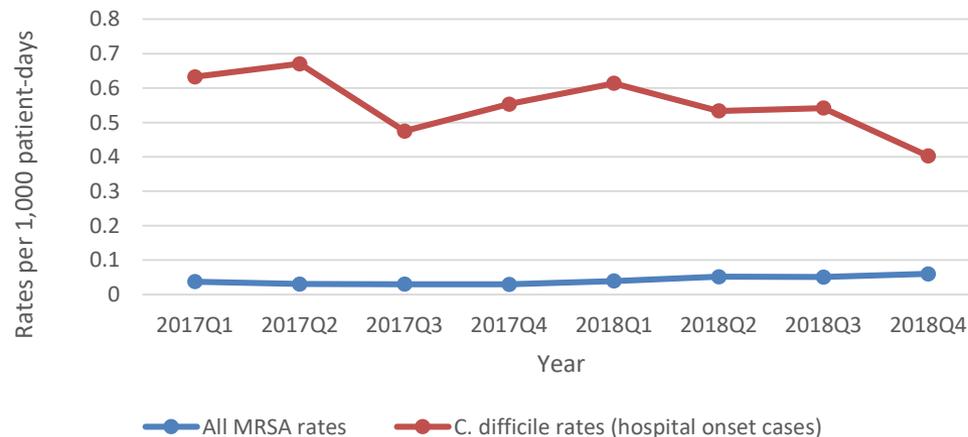
Surgical site infections. Complex COLO and HYST rates, Acute care hospitals, 2017-2018



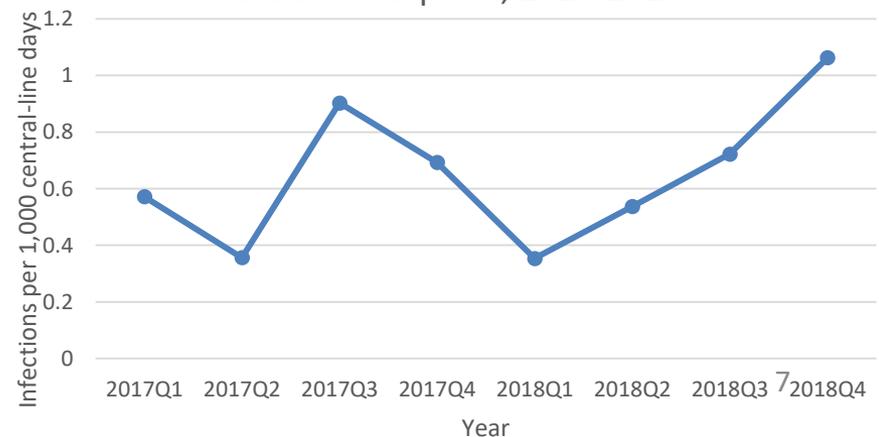
CAUTI rates per 1,000 catheter-days, Acute care hospitals, 2017-2018



MRSA and C. difficile LabId event rates per 1,000 patient-days, Acute care hospitals, 2017-2018

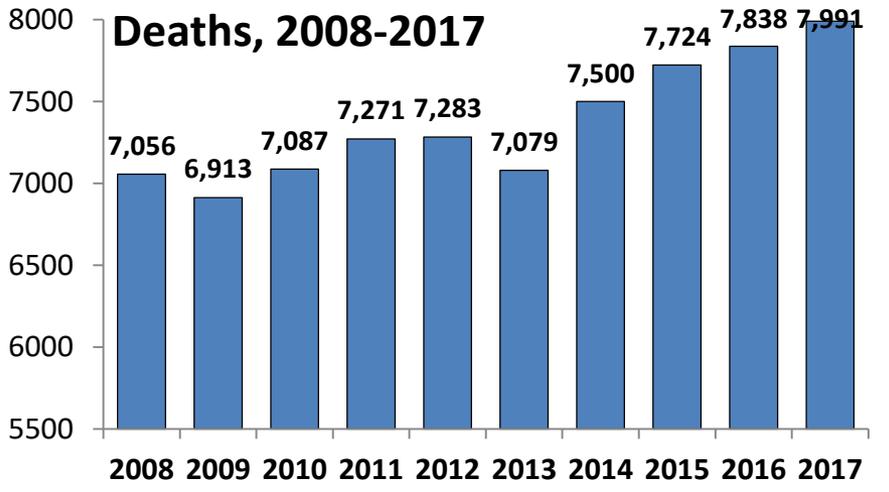
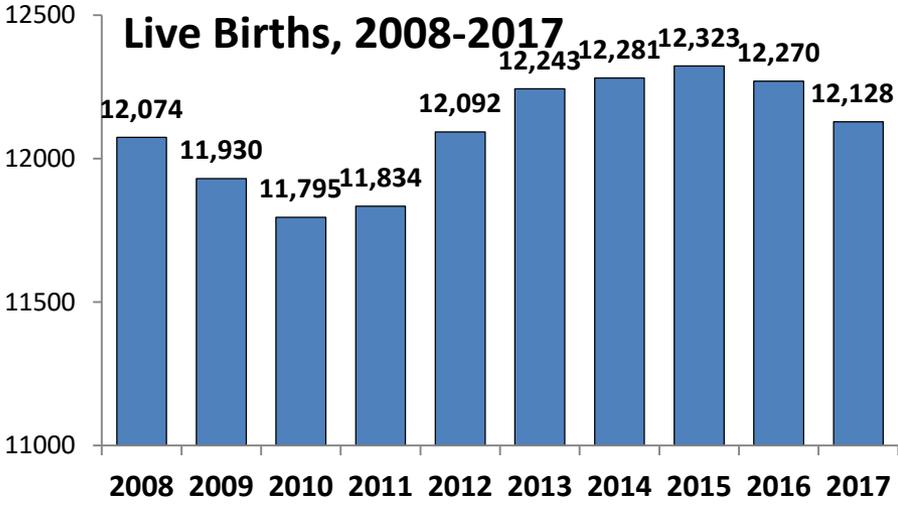
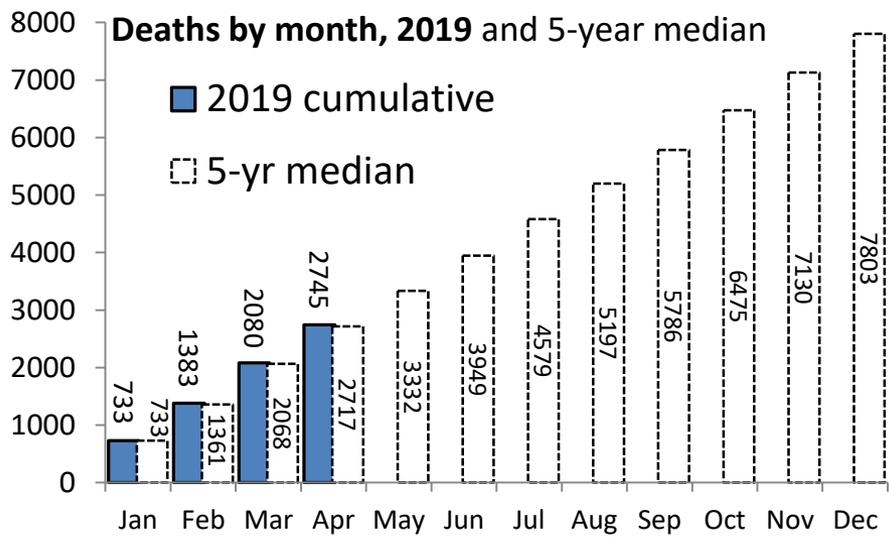
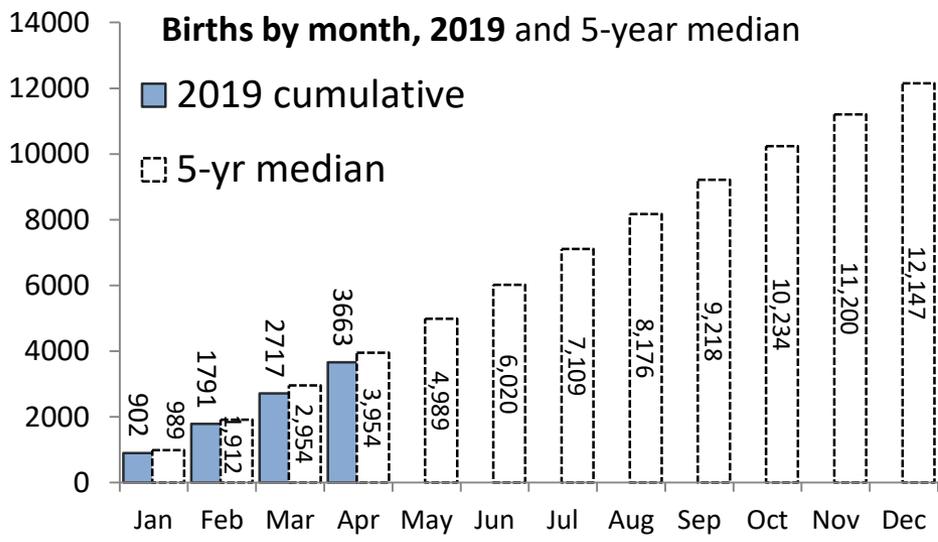


CLABSI rates (number of infections\*1000/number of central line days), Acute care hospitals, 2017-2018





# 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

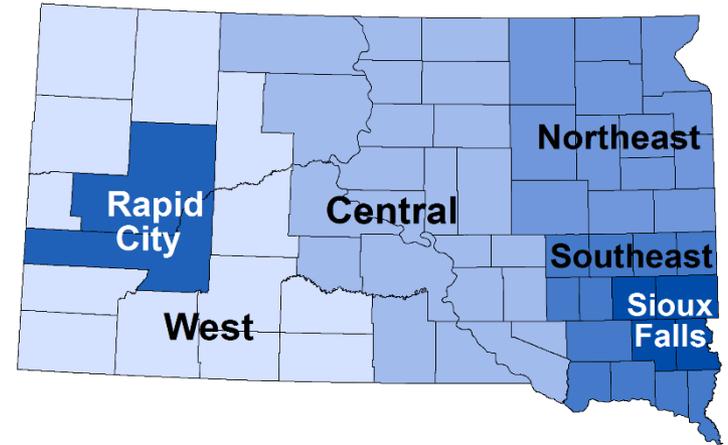
**Mission** **To promote, protect and improve the health of every South Dakotan**

**Guiding Principles**

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

# South Dakota Regions

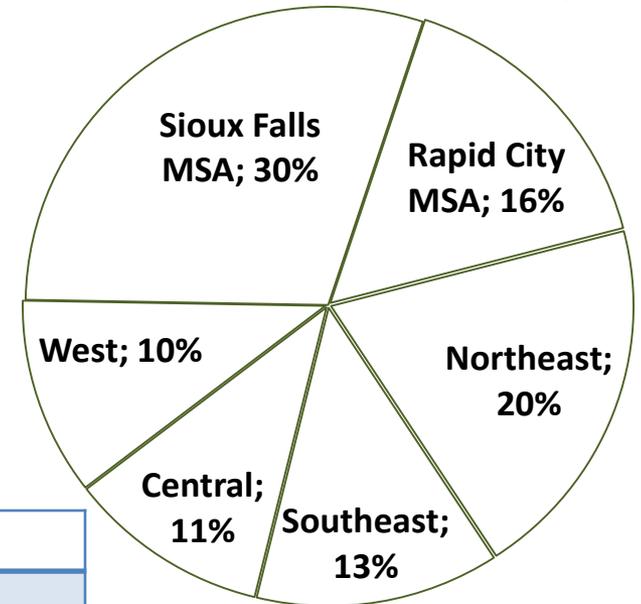
Region	Population	%	Area (sq miles)	Density (people per sq mile)
Sioux Falls MSA*	259,094	29.8%	3,141	82.5
Rapid City MSA*	138,159	15.9%	6,247	22.1
Northeast	172,612	19.8%	12,277	14.1
Southeast	113,216	13.0%	5,863	19.3
Central	93,506	10.8%	24,860	3.8
West	93,079	10.7%	23,508	4.0
South Dakota	869,666	100%	75,896	11.5



\*Metropolitan Statistical Area

Age Group	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	610,853
West River	258,813



## 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** After hours for Category I diseases or during normal business hours.
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>