

Oklahoma COVID-19 Weekly Report

Weekly Epidemiology and Surveillance Report
 April 23–29, 2020



Purpose: To provide up-to-date weekly epidemiological data on COVID-19 in Oklahoma.

Snapshot

	April 23–29	Change ¹	Total
Confirmed cases	579	↓ 8.2%	3,473
Recovered cases ²	539	↓ 4.6%	2319
Deaths	44	↓ 6.4%	214

1. Change from the week of April 16 to 22, 2020.
2. Currently not hospitalized or deceased and 14 days after onset/report.

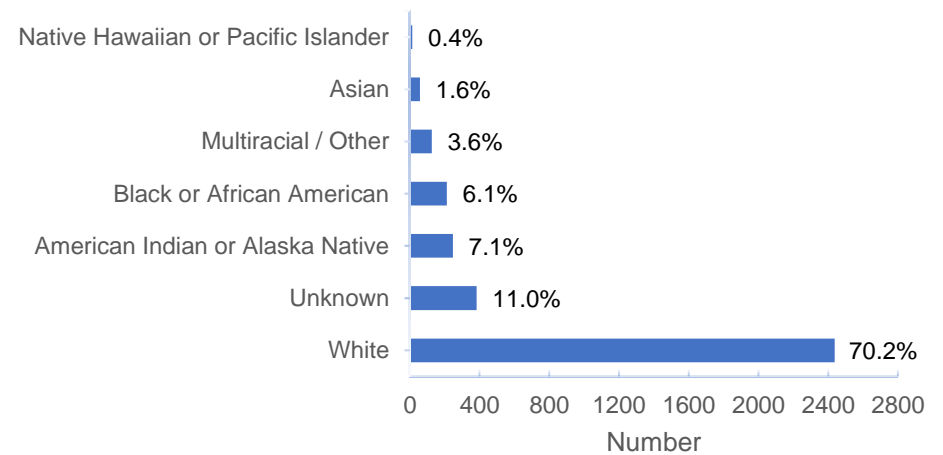
55%
 of cases were in
 persons aged 50
 and over

95%
 of deaths were
 in persons aged
 50 and over

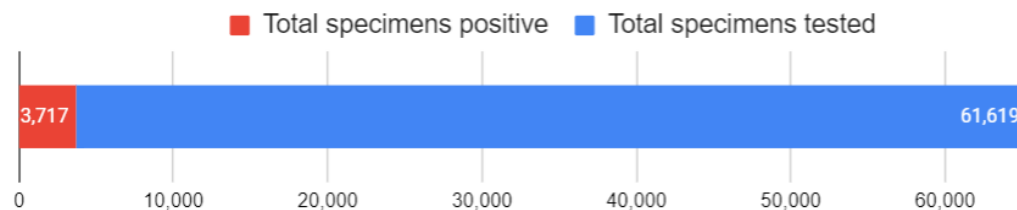
56%
 of cases were
 females

53%
 of deaths
 were in males

COVID-19 cases by race



Testing (up-to-date as of April 28, 2020)



Key Points

- **579** confirmed cases in the past week—a decrease of approximately 8% from the week before (April 16 to 22).
 - **44** deaths occurred in the past week—a decrease of approximately 6% from the week before (April 16 to 22).

 - **61,619** specimens have been tested in total (as of April 28).
 - **70** counties (out of 77) have had at least one confirmed case of COVID-19.
-

What's New?

People with COVID-19 have a wide range of symptoms. This week, the Centers for Disease Control and Prevention (CDC) added **six new symptoms** to its list of symptoms for COVID-19: chills, repeated shaking with chills, muscle pain, headache, sore throat, and new loss of taste or smell.

These symptoms may appear 2–14 days **after exposure to the virus**.

People with COVID-19 may have these symptoms or combination of symptoms:

- Cough
- Shortness of breath or difficulty breathing

Or at least two of these symptoms:

- Fever
- Chills
- Repeated shaking with chills
- Muscle pain
- Headache
- Sore throat
- New loss of taste or smell

Emergency warning signs for COVID-19 are trouble breathing, persistent pain or pressure in the chest, new confusion or inability to arouse, bluish lips or face. If you have any of these emergency warning signs for COVID-19, get medical attention immediately. More information at <https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>

Gating Criteria

Progress on meeting the components of the reopening guidelines proposed by the White House, called the “gating criteria”. More information available at <https://www.whitehouse.gov/openingamerica/>

SYMPTOMS

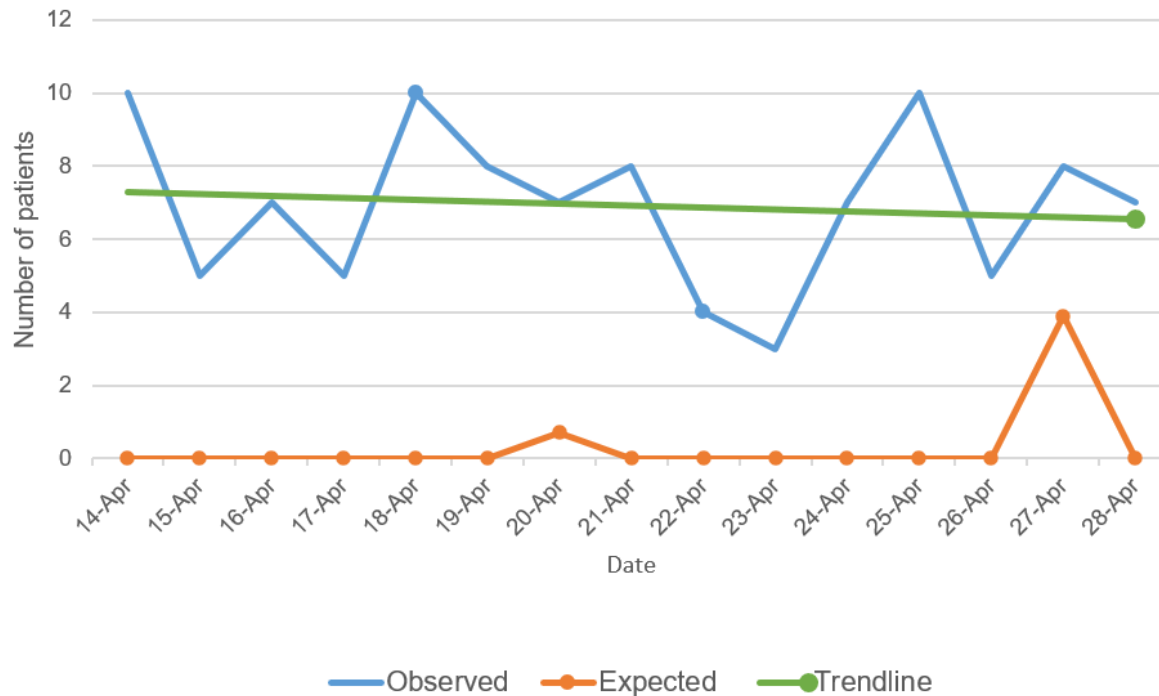
Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period

and

Downward trajectory of COVID-like syndromic cases reported within a 14-day period

Influenza-like illness

Influenza-like illness, Oklahoma State Syndromic Surveillance, April 14–28, 2020

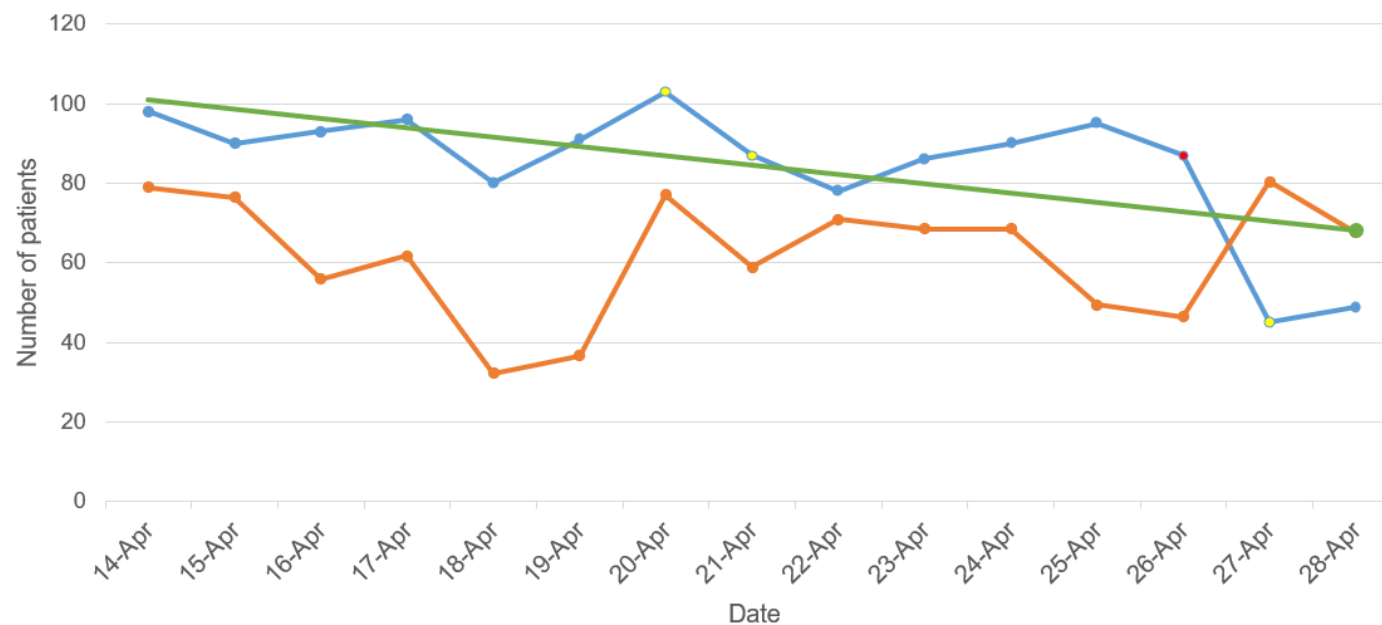


Interpretation: Data from syndromic surveillance shows a slight decline in the number of influenza-like illness cases in the past 2 weeks.

SYMPTOMS

COVID-19 related emergency department visits

COVID-19 Related Emergency Department Visits, Oklahoma State Syndromic Surveillance, April 14–28, 2020



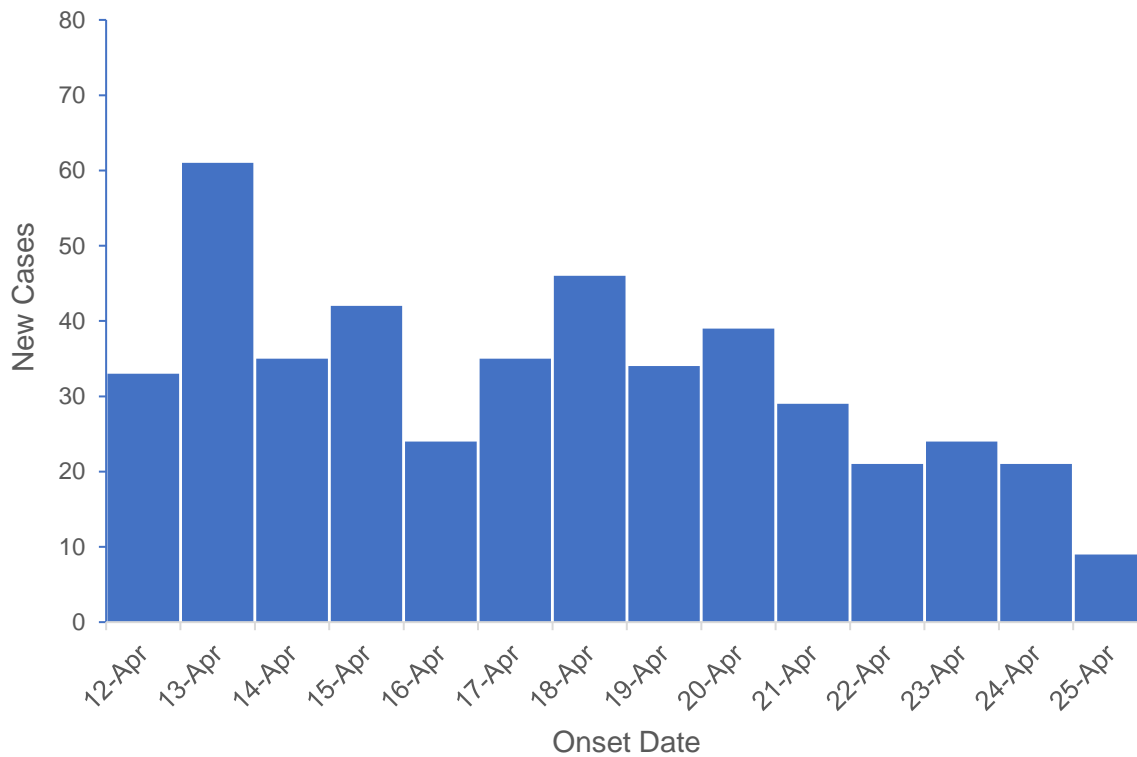
Interpretation: Data from syndromic surveillance shows a decline in the number of influenza-like illness cases in the past 2 weeks.

CASES

Downward trajectory of documented cases within a 14-day period **or** Downward trajectory of positive tests as a percent of total tests within a 14-day period

COVID-19 cases

New cases of COVID-19 (n=453), by date of symptom(s) onset, Oklahoma, April 12–25, 2020



Data as of April 25, 2020.

Data only includes new cases with a date of symptom(s) onset.

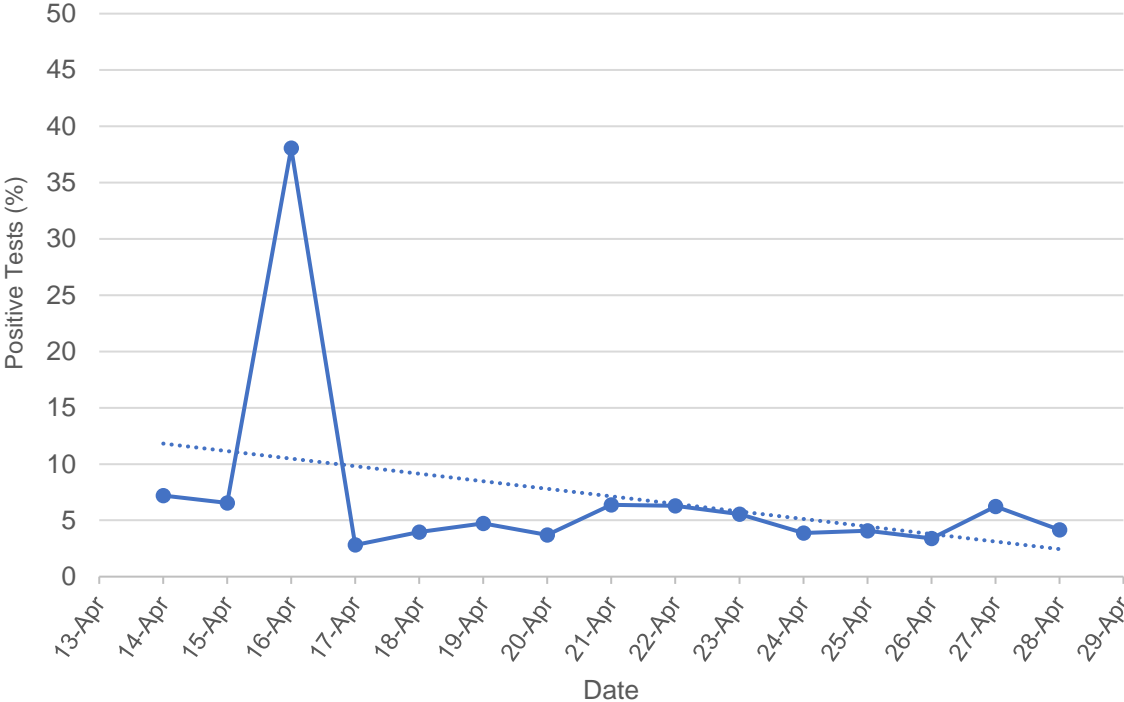
Data does not include asymptomatic cases.

Counts of new cases in this graph may differ from the number of new cases reported during the same period.

CASES

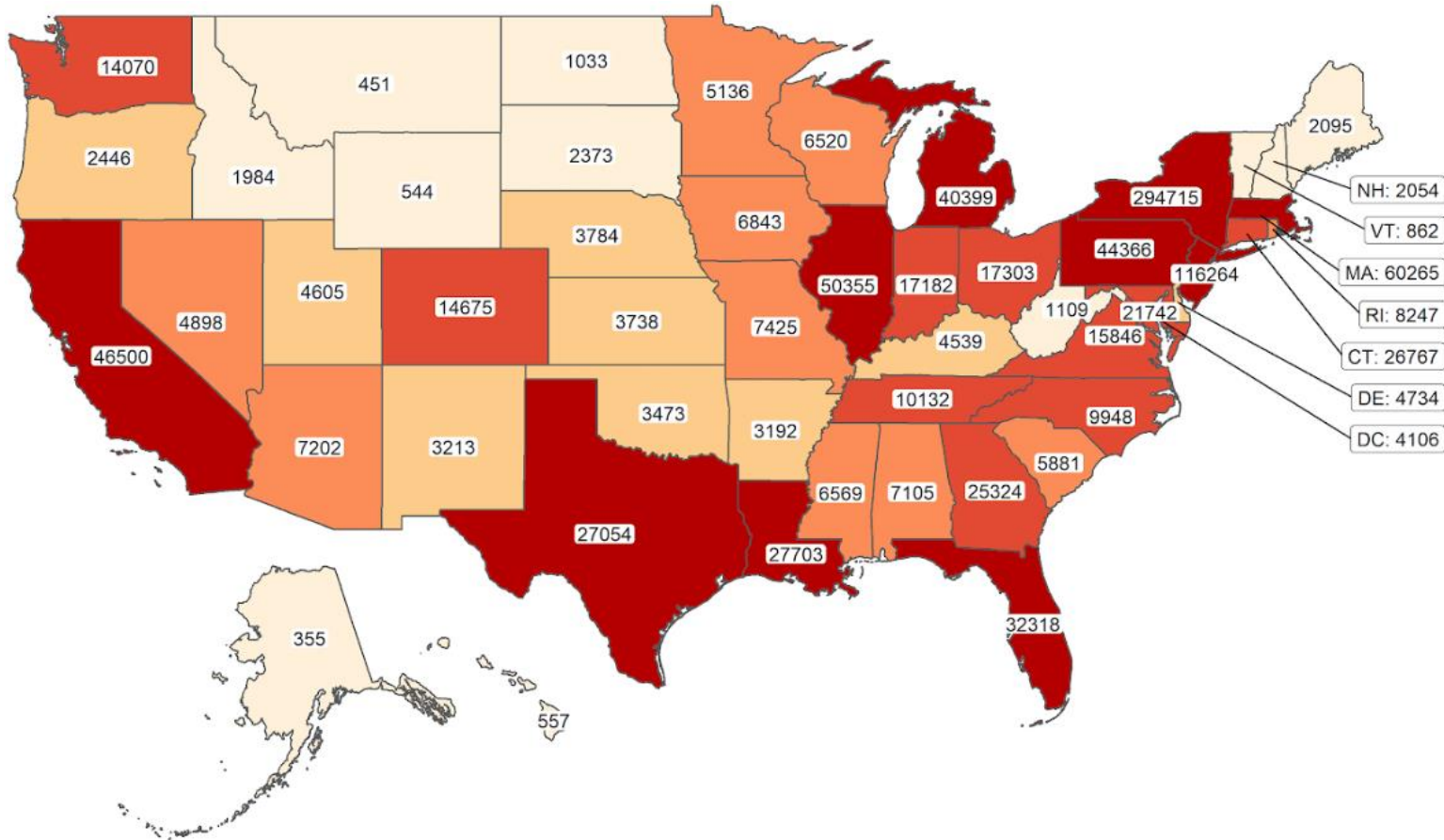
Positive cases as a percent of total tests

Percent of positive specimens, Oklahoma, April 14–28, 2020



Oklahoma in comparison

CASES (count)

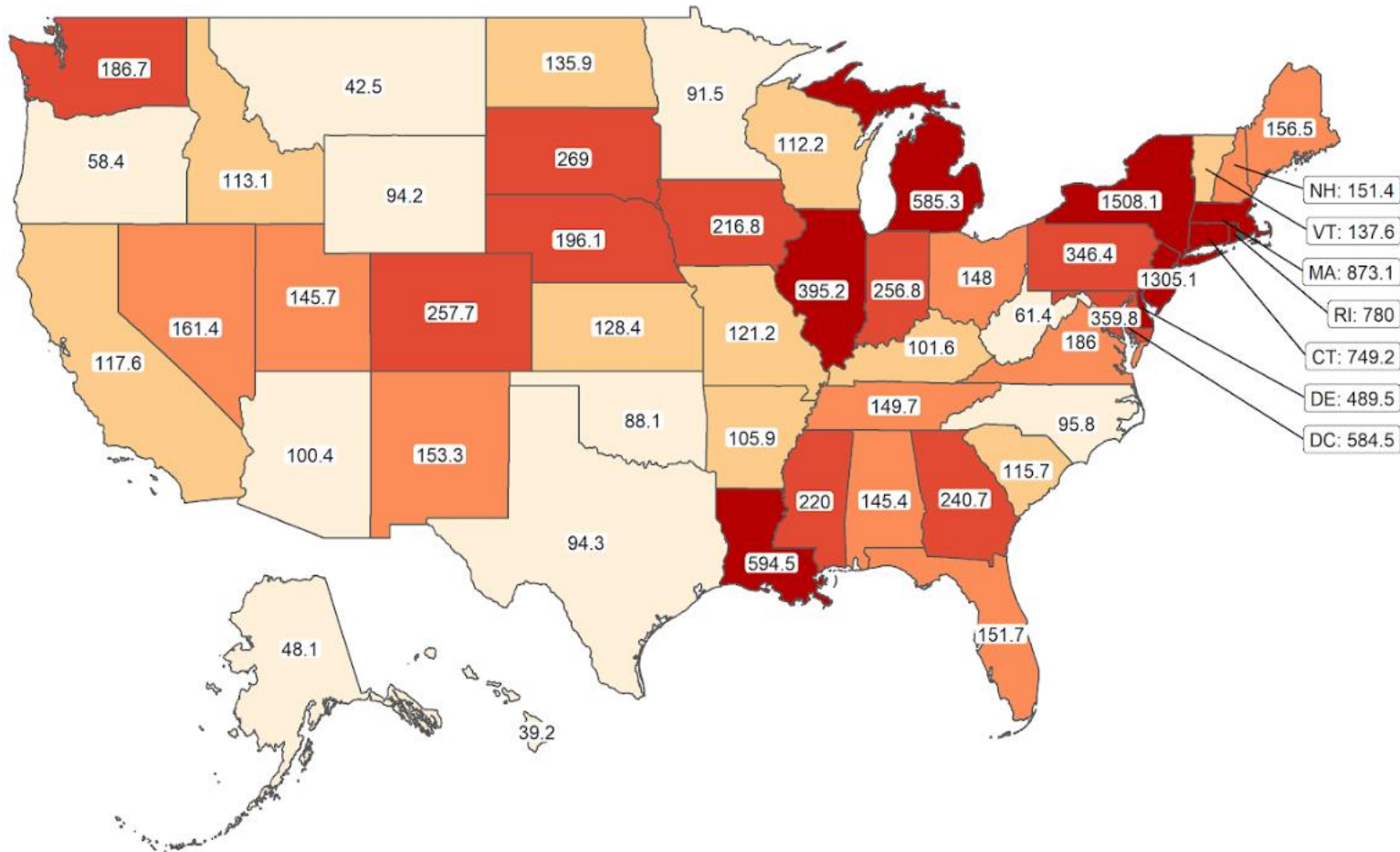


Oklahoma ranks **36** (out of all States) in the total number of COVID-19 cases in the US.

Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>

Data as of April 29, 2020

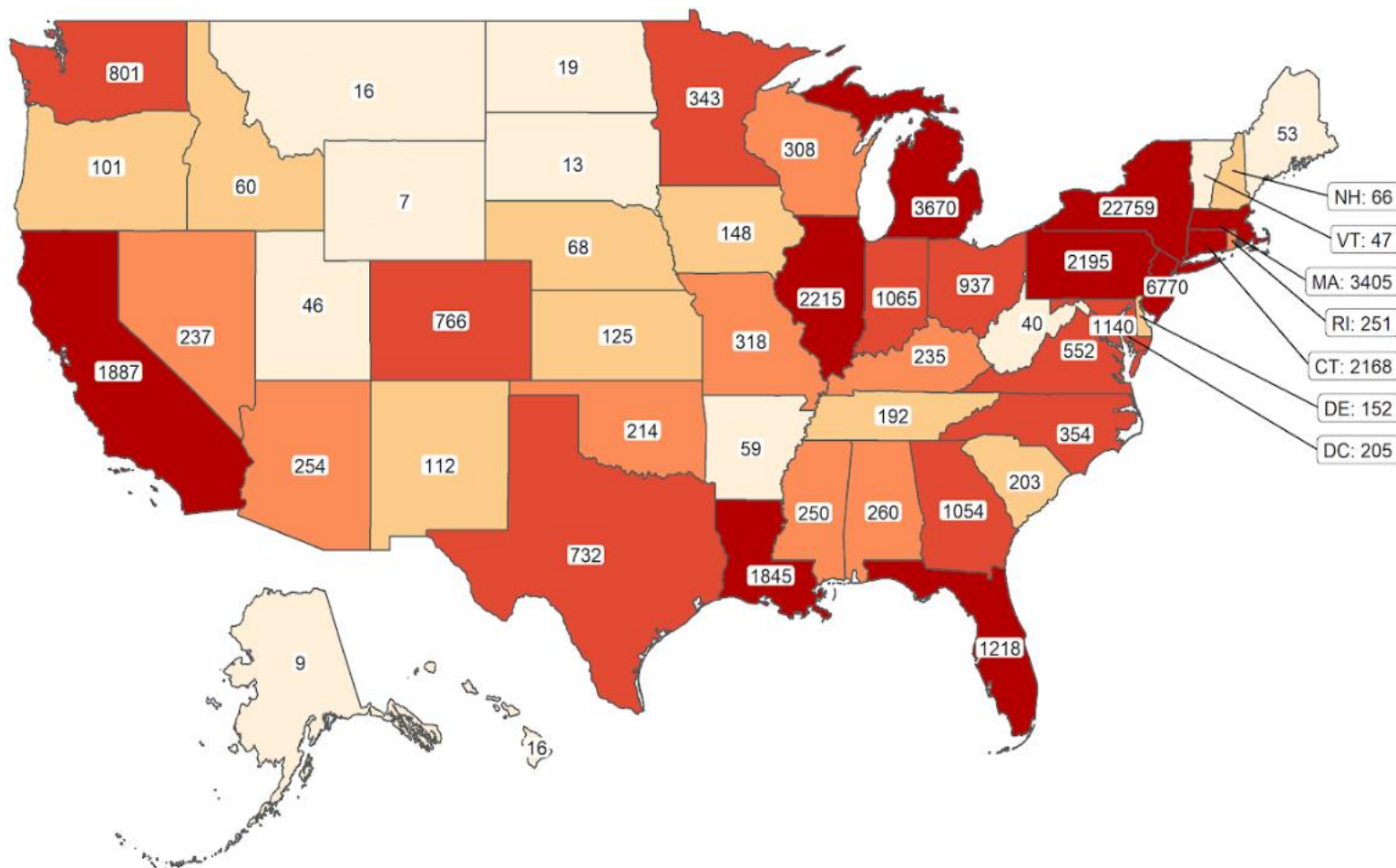
CASES (rate)



Oklahoma ranks **45** (out of all States) in the cumulative incidence (per 100,000 persons) of COVID-19 in the US.

Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of April 29, 2020

DEATHS (count)



Oklahoma ranks **28** (out of all States) in the total number of deaths from COVID-19 in the US.

Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of April 29, 2020

Healthcare Provider Capacity

Hospital Beds, by States

#	Location	Total Hospital Beds	Hospital Beds per 10,000 Population
1	South Dakota	3967	46.7
2	North Dakota	2999	41
3	Mississippi	10598	36.8
4	West Virginia	6382	36.4
5	Montana	3689	35.7
6	Wyoming	1929	34.4
7	District of Columbia	2156	32.3
8	Kentucky	13872	32.1
9	Alabama	15035	31.6
10	Louisiana	14279	31.6
11	Nebraska	5621	30.1
12	Missouri	17412	29.3
13	Kansas	8161	29
14	Arkansas	8353	28.6
15	Oklahoma	10857	28.5
16	New York	54219	28.5
...
...
29	United States	749728	23.5
...
...
52	Washington	11116	15.1

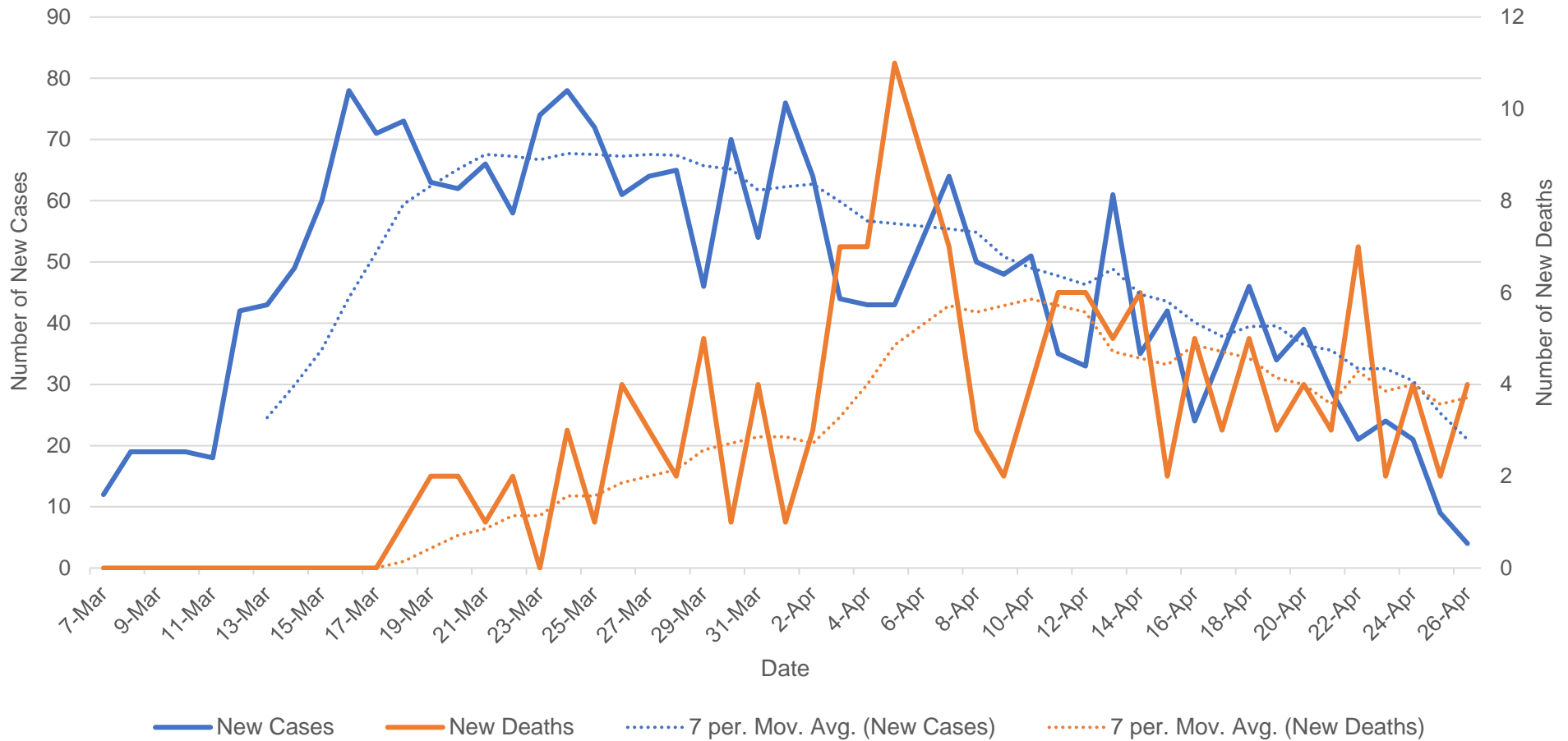
ICU Beds, by States

#	Location	ICU Beds	ICU Beds per 10,000 Population
1	District of Columbia	401	6
2	Alabama	1870	3.9
3	North Dakota	278	3.8
4	West Virginia	643	3.7
5	Nevada	1118	3.7
6	Indiana	2358	3.6
7	Missouri	2092	3.5
8	Tennessee	2309	3.5
9	Louisiana	1518	3.4
10	Kentucky	1447	3.3
11	Mississippi	931	3.2
12	Ohio	3622	3.2
13	North Carolina	3168	3.2
14	Colorado	1770	3.2
15	Kansas	878	3.1
16	Oklahoma	1164	3.1
17	Florida	6226	3
...
...
25	United States	85247	2.7
...
...
52	Vermont	94	1.6

Source: Kaiser Family Foundation. Health Care Provider Capacity. <https://www.kff.org/health-costs/issue-brief/state-data-and-policy-actions-to-address-coronavirus/#note-5-3>

Cases and Deaths

New cases (by date of onset) and new deaths (by date of death) of COVID-19, Oklahoma, March–April 2020

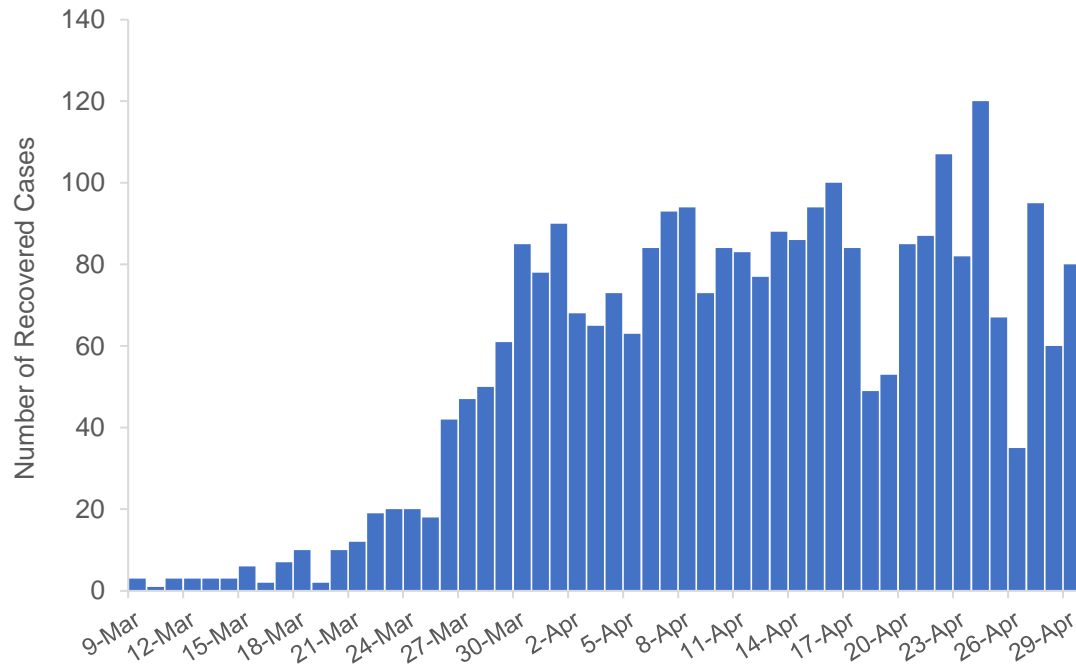


Data as of April 26, 2020.

Please note the different axes for new cases (left—from 0 to 90 for new cases) and new deaths (right—from 0 to 12 for new deaths).

Recovered Cases

Distribution of recovered cases of COVID-19, March–April 2020, Oklahoma



A recovered case is an individual currently not hospitalized or deceased AND 14 days after the onset of symptoms.

Disease Testing

	April 22–28	Total Number
Specimens tested ¹ , count (%)	15,497	61,619
Specimens positive, count (%)	725 (4.7)	3,717 (6.0)

Specimen counts may not reflect unique individuals.

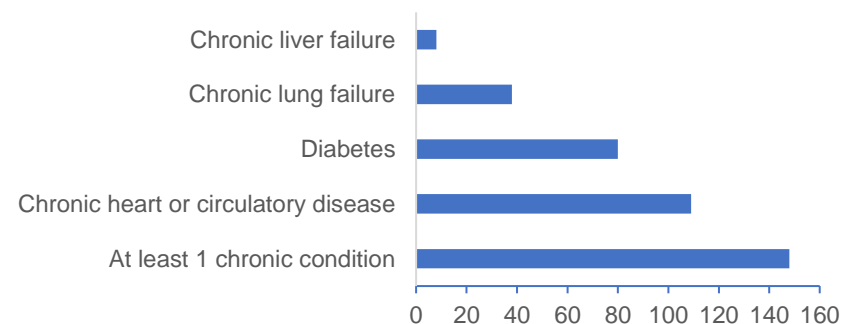
1. Includes state and private laboratories.

Epidemiological Estimates

	Estimate	Notes / Interpretation
Cases		
Cumulative incidence	88.1 (per 100,000 persons)	From March 7 to April 29, there were about 88 (per 100,000) new cases of COVID-19 in Oklahoma.
Absolute change in cumulative incidence from previous week	-1.32 (per 100,000 persons)	Compared to week 17 (April 16-22), there were 1.3 (per 100,000) fewer cases of COVID-19 in Oklahoma during the past week (April 23-29).
Disease Severity		
Case-fatality risk (crude)	6.2%	The estimate is not adjusted for the lag time from reporting to death (i.e., delay between the time someone dies and the time their death is reported). The fatality estimate could be lower due to cases that were undiagnosed or had milder symptoms.
Hospitalization rate (overall)	17.6 (per 100,000 persons)	About 18 (per 100,000 persons) were hospitalized for COVID-19 during this outbreak.

Risk Factors and Hospitalization

Comorbidities	Deaths, Number (%)
Chronic liver failure	8 (3.8)
Renal failure	0
Diabetes	80 (37.6)
Chronic lung failure	38 (17.8)
Chronic heart or circulatory disease	109 (50.9)
At least 1 chronic condition	148 (69.5)



Demographic Information

Characteristics	Cases Number (%)*	Deaths Number (%)*
Gender		
Male	1520 (43.8)	114 (53.3)
Female	1953 (56.2)	100 (46.7)
Age group		
00-04	33 (1.0)	0
05-17	84 (2.4)	0
18-35	703 (20.2)	5 (2.3)
36-49	752 (21.7)	6 (2.8)
50-64	820 (23.6)	33 (15.4)
65+	1081 (31.1)	170 (79.4)
Race		
American Indian or Alaska Native	246 (7.1)	17 (7.9)
Asian	57 (1.6)	1 (0.5)
Black or African American	212 (6.1)	20 (9.4)
Multiracial / Other	125 (3.6)	5 (2.3)
Native Hawaiian or Pacific Islander	13 (0.4)	1 (0.5)
White	2438 (70.2)	162 (75.7)
Unknown	382 (11.0)	8 (3.7)
Ethnicity		
Hispanic or Latino	332 (9.6)	4 (1.9)
Not Hispanic or Latino	2605 (75.0)	187 (87.4)
Unknown	536 (15.4)	23 (10.8)
Healthcare and Non-Healthcare		
Healthcare worker	635 (18.3)	4 (0.6)
Non healthcare worker	2838 (81.7)	210 (98.1)

* percentages may not add up to 100 due to rounding.

- The average age of cases was 53 years.
- The youngest case was a year old and the oldest case was 102 years.
- The average age of individuals who died was 74 years.
- The youngest individual to die from COVID-19 was 22 years and the oldest was 100 years.

Healthcare and Non-Healthcare Worker Case Status

Status ¹	Non-Healthcare Worker Number (%) [*]	Healthcare Worker Number (%) [*]
Active	793 (27.9)	147 (23.1)
Deceased	210 (7.4)	4 (0.6)
Recovered	1,835 (64.7)	484 (76.2)
Total	2,838	635

* percentages may not add up to 100 due to rounding.

1. Data as of April 29, 2020.

Populations who reside in congregate settings

Cases and deaths, by long term care and correctional facilities, March–April 2020, Oklahoma.

	Cases	Deaths
LTCF^{1,2}		
Residents	533	85
Staff	248	1
Total	781	86
Correctional Facilities^{3,4}		
Inmates	29	1
Staff	27	0
Total	56	1

Abbreviation: LTCF, long term care facility.

1. Long term care facility or nursing home

2. Data as of April 29, 2020.

3. Correctional facilities include prisons, jails, and juvenile detention centers.

4. Zero new outbreaks identified during the week of April 22-28, 2020.

Acknowledgement

The weekly report is made by possible through the efforts of county and city public health and healthcare professionals.

Notes

Every effort is made to ensure accuracy, and the data is up-to-date for the time period reported.

For daily updates on COVID-19, visit <https://coronavirus.health.ok.gov/>