

OKLAHOMA COVID-19 WEEKLY REPORT

Weekly Epidemiology and Surveillance Report
July 24 – July 30, 2020



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

SNAPSHOT

	July 24– July 30	Change ¹	Total
Confirmed cases	7,771	71.6%	35,740
Recovered cases ²	5,970	37.4%	28,411
Deaths	59	51.3%	536

1. Change from the week of July 17-July 23, 2020.

2. Currently not hospitalized or deceased and 14 days after onset/report.

Cases		Deaths	
Persons aged 50 and over	Females	Persons aged 50 and over	Males
32%	52%	95%	54%
of <u>cases</u>	of <u>cases</u>	of <u>deaths</u>	of <u>deaths</u>

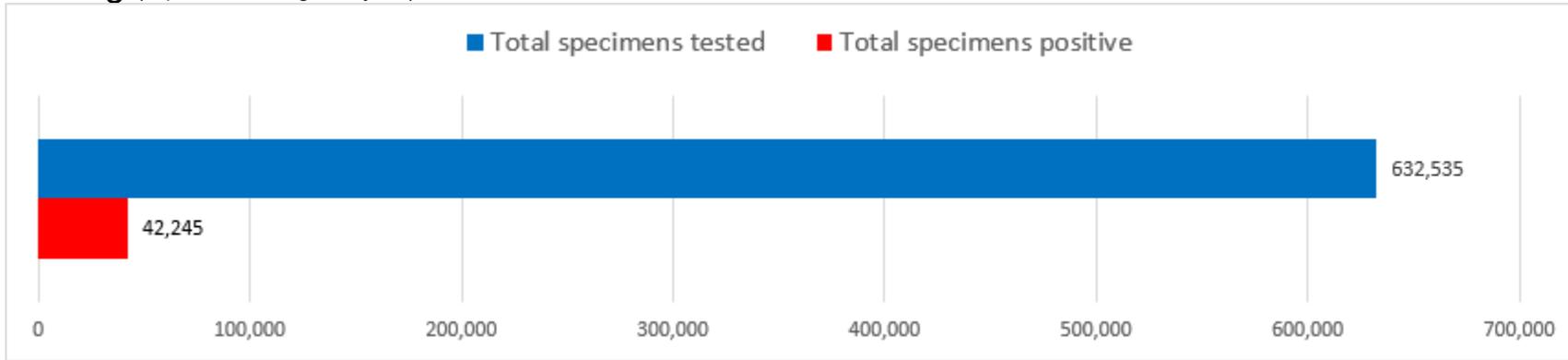
The average age of cases was **40** years.

The youngest case was **less than a year old** and the oldest case was **100+ years**.

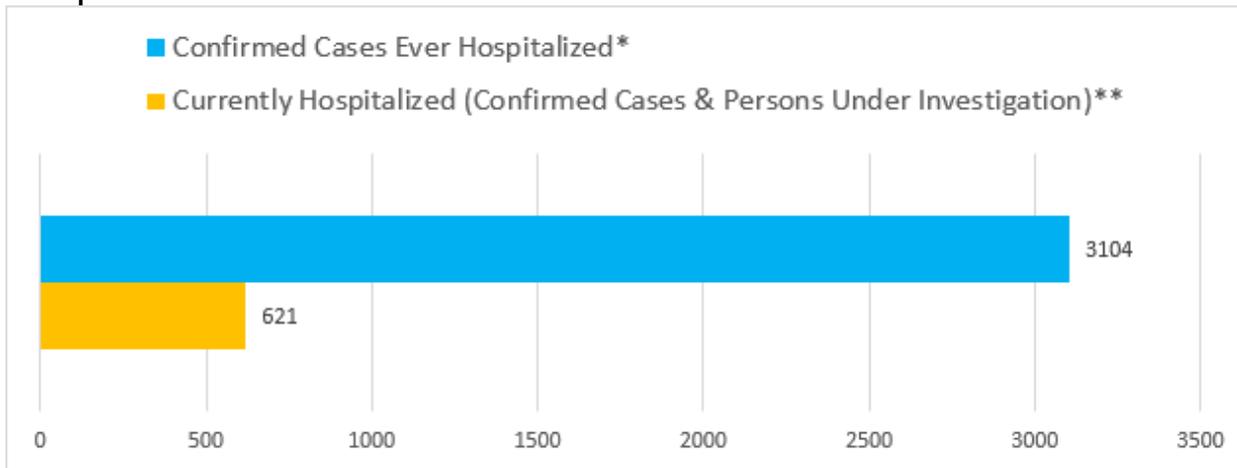
The average age of individuals who died was **75 years**.

The youngest individual to die from COVID-19 was **13 years** and the oldest was **100+ years**.

Testing (reported through July 30)



Hospitalizations



*Ever hospitalized includes discharged, deceased, currently hospitalized and recovered as of 7/29/2020.

**Source OSDH Beds Survey. Note, facility response rate of 90% on 7/29/2020.

KEY POINTS

- **7,771** confirmed cases in the past week
71.6% increase from the week before (July 17-July 23).
 - **59** deaths occurred in the past week
51.3% increase from the week before (July 17-July 23).
 - **3,104 (8.7%)** confirmed cases have been hospitalized
 - **508** confirmed cases were reported to OSDH as hospitalized in the past week 34.4% increase from the week before (July 17-July 23)
 - 632,535 specimens have been tested in total
 - Approximately 70% more specimens have been collected and processed in July than the previous month.
 - **77** counties (out of 77) have had at least one confirmed case of COVID-19
-

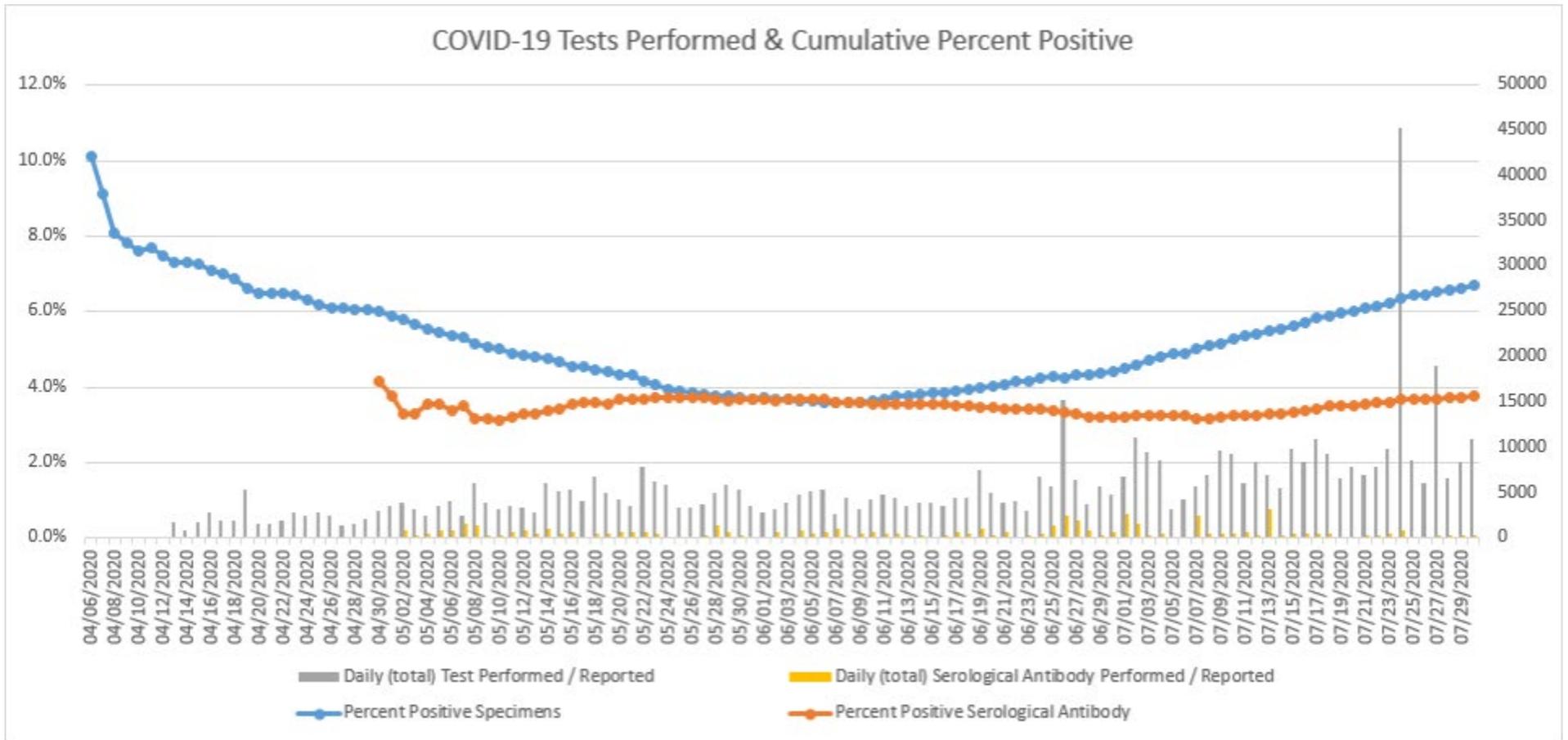
DISEASE TESTING

	July 24 – July 30	Total Number
Specimens tested ¹ , count	104,640	632,535
Specimens positive, count (%)	9,318 (8.9%)	42,245 (6.7%)
Antibody tested, count	2,610	60,293
Antibody positive, count (%)	201 (7.7%)	2,272 (3.8%)

1. Includes state and private laboratories.

Note: Specimen counts may not reflect unique individuals.

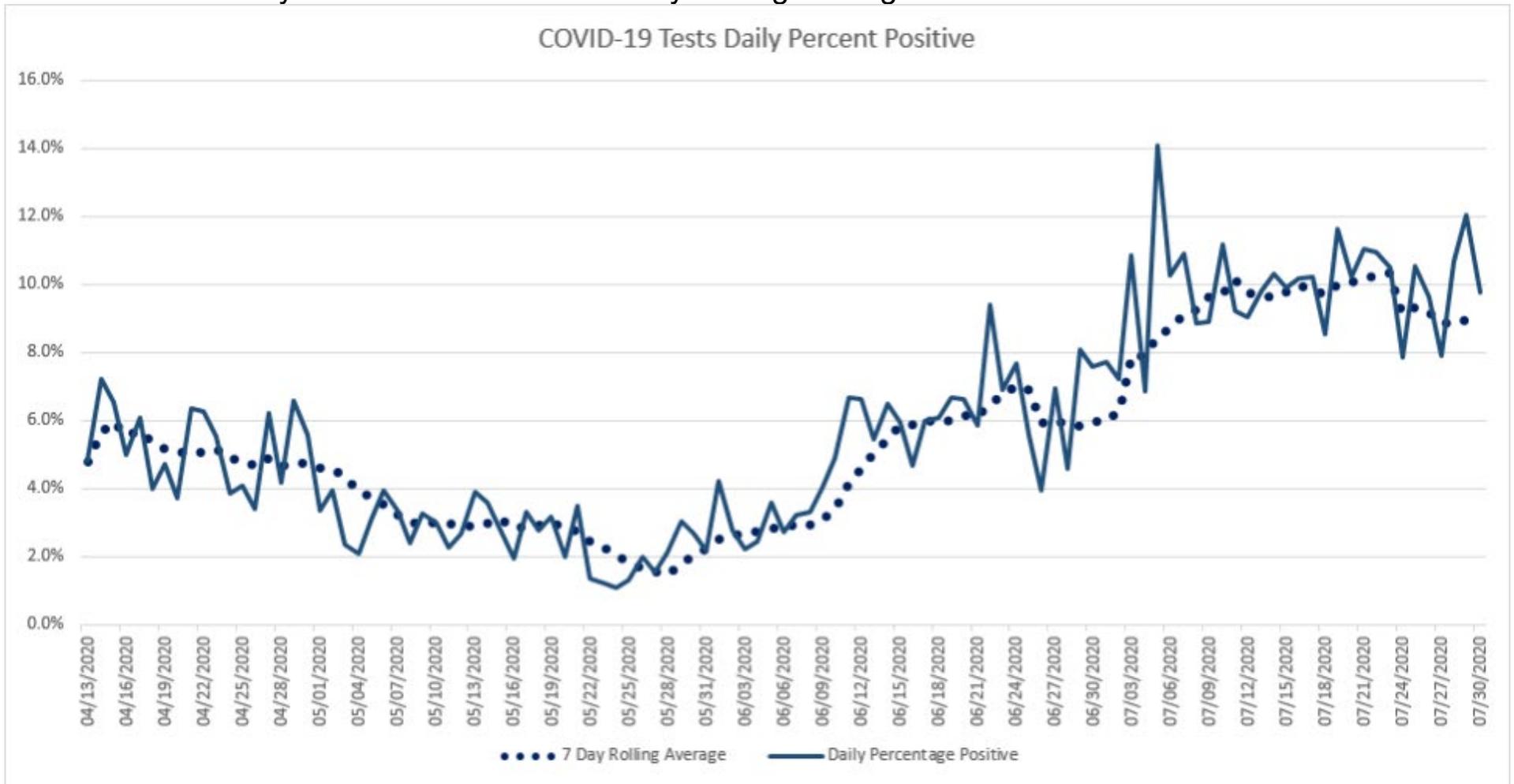
Positive tests as a percent of total tests



Oklahoma, July 30, 2020

Note: On July 24, 2020 fourteen labs began reporting to OSDH that had been testing since May 18, 2020.

Covid-19 Tests Daily Percent Positive with 7 Day Rolling Average



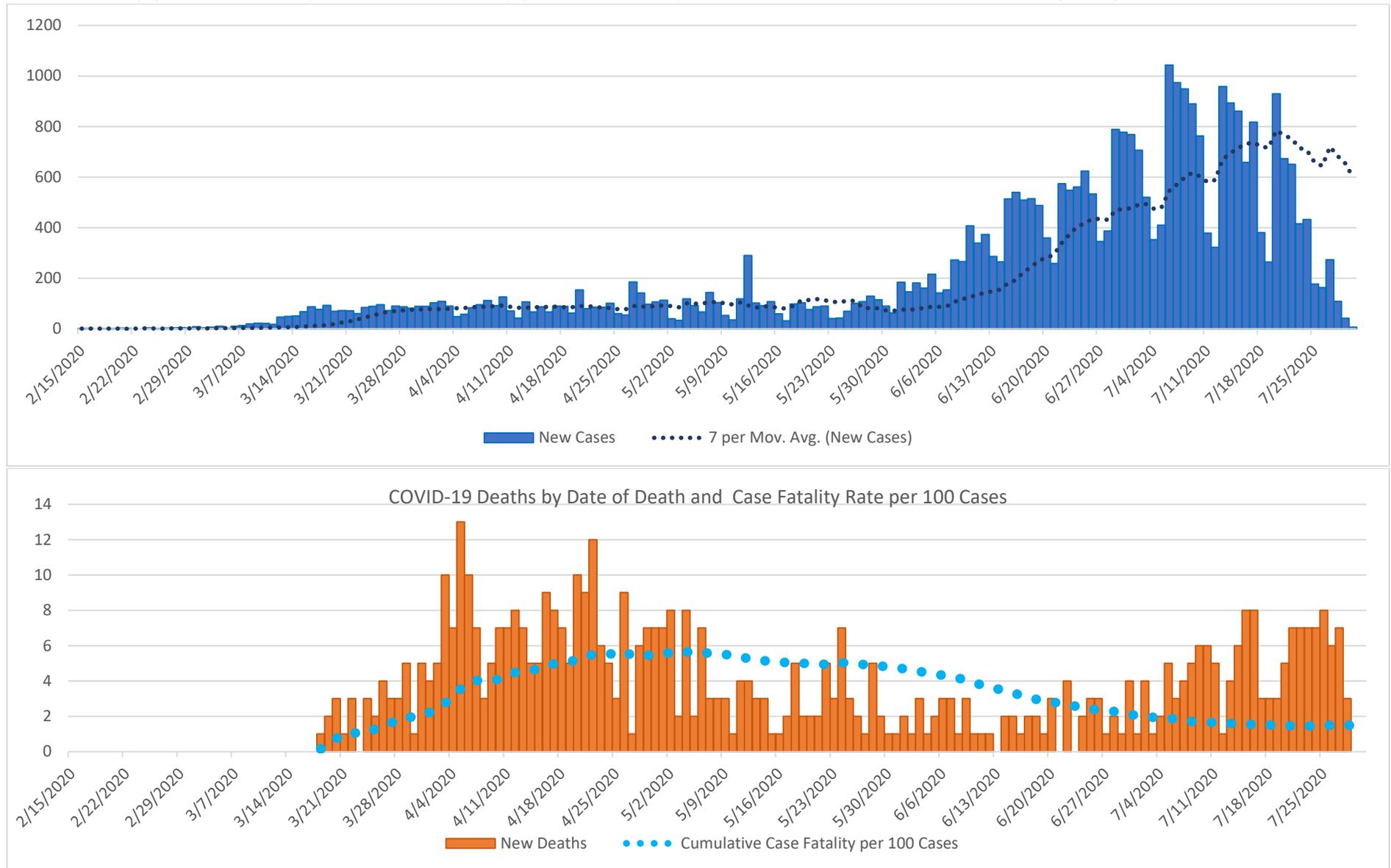
Oklahoma, July 30, 2020

EPIDEMIOLOGICAL ESTIMATES

	Estimate	Notes / Interpretation
Cases		
Cumulative incidence*	906.4 (per 100,000 persons)	From March 7 to July 30, there were about 906 (per 100,000) new cases of COVID-19 in Oklahoma.
Absolute change in cumulative incidence from previous week	82.2 (per 100,000 persons)	Compared to July 17 - July 23, there was 82 (per 100,000) more cases of COVID-19 reported in Oklahoma during the past week (July 24 - July 30).
Disease Severity		
Case-fatality risk (crude)	1.5%	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.
Cumulative Hospitalization rate (overall)	78.7 (per 100,000 persons)	About 78 people per 100,000 have ever been hospitalized for COVID-19 during this outbreak.

CASES AND DEATHS

New cases (by date of onset) and new deaths (by date of death) of COVID-19 in Oklahoma, February–July 2020



Data as of July 30, 2020.

Please note the different axes for new cases (top—from 0 to 1,200 for new cases) and new deaths (bottom—from 0 to 14 for new deaths). Additionally, a 7 day lag has been applied to the trend line based on information collected to-date for 7/12 and 7/18 where within 7 days of onset date approximately 80% of the cases had been reported.

Oklahoma Excess Death Analysis

- + indicates observed count above threshold
- Predicted number of deaths from all causes
- threshold for excess deaths

Weekly number of deaths (from all causes)

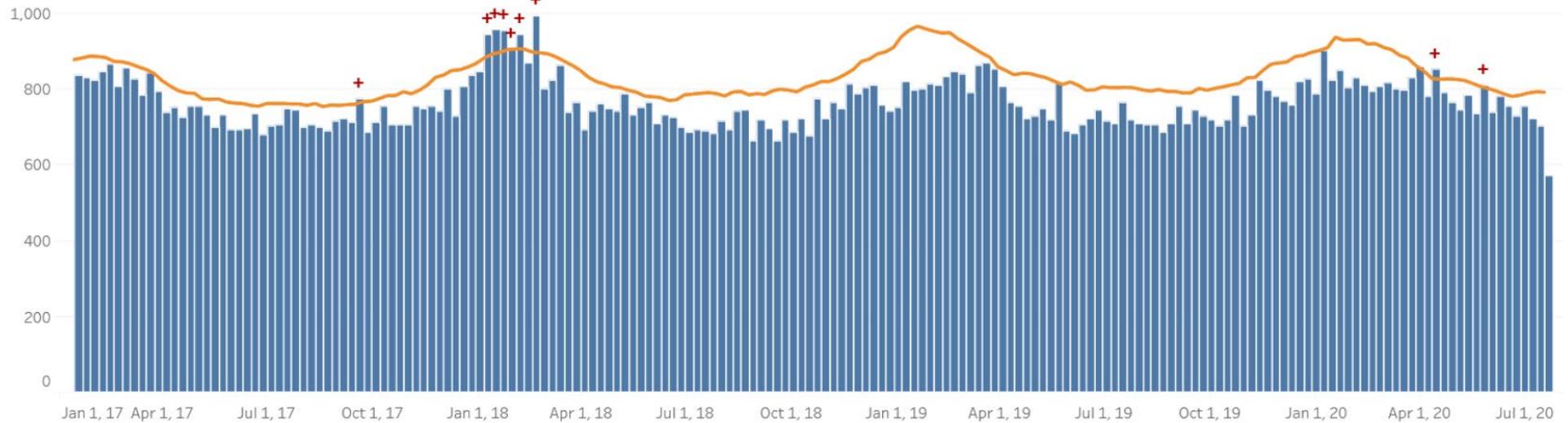
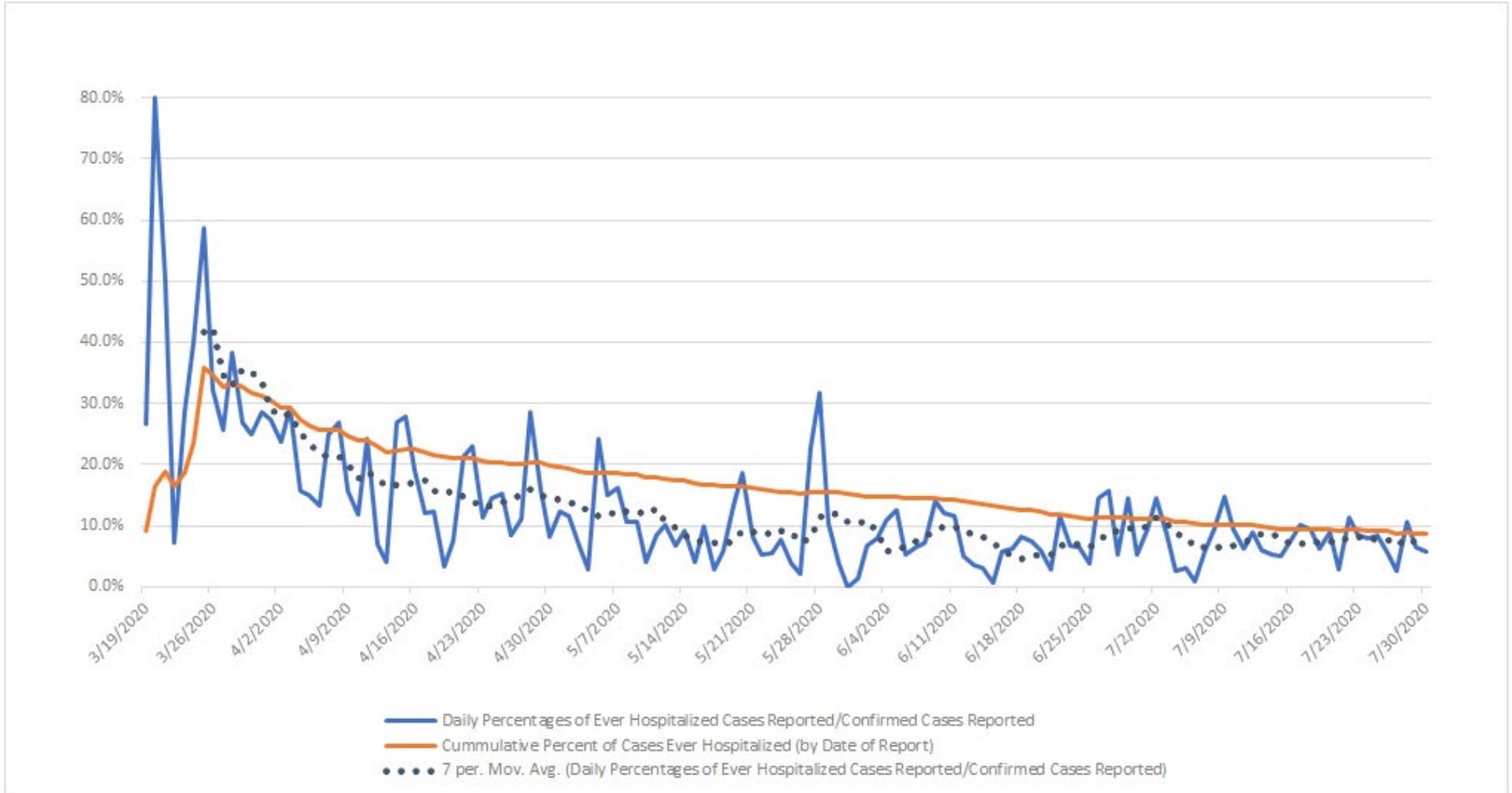


Figure notes: Contains data up to the week-ending date of July 18, 2020. Data in recent weeks are incomplete. Only 60% of the death records are submitted to NCHS within 1-days of the date of death, and completeness varies by jurisdiction.

Source: CDC, National Center for Health Statistics, https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm#dashboard, July 30, 2020 10am

PERCENT OF CASES EVER HOSPITALIZED (by date of report)



Source: OSDH Acute Disease Registry

TIME TO EVENT*

	N	Median	10th to 90th Percentile
Time from Symptom Onset to Test (Specimen Collection) ^{1,2}	15,968	3 days	0-10 days
Time from Symptom Onset to Hospitalization ^{1,3}	1,915	6 days	0-14 days
Length of Hospitalization Discharged Alive ⁴	1,501	5 days	1-15 days
Length of Hospitalization Deceased ⁴	381	9 days	2-24 days
Time from Symptom Onset to Death ^{1,5}	335	14 days	5-33 days

*Data as of July 30, 2020.

1. Limited to cases with a known date of symptom onset.
 2. Limited to cases with a known date of a test (specimen collection) on or after the date of symptom onset.
 3. Limited to cases with a known hospital admission date on or after the date of symptom onset.
 4. Limited to cases with a known admission and discharge date from the hospital.
 5. Limited to cases who are deceased.
-

DEMOGRAPHIC INFORMATION as of July 30, 2020

	Cases count (%)¹	Deaths count (%)¹	Cumulative Incidence Rate²	Cumulative Mortality Rate²
Oklahoma	35,740	536	906.4	13.6
Gender				
Male	17,182 (48.1)	290 (54.1)	879.8	14.8
Female	18,558 (51.9)	246 (45.9)	932.5	12.4
Age group				
Under 1- 4	804 (2.2)	0 (0.0)	308.7	0.0
5-14	1,846 (5.2)	1 (0.2)	343.2	0.2
15-24	6,536 (18.3)	1 (0.2)	1,215.3	0.2
25-34	6,837 (19.1)	6 (1.1)	1,258.6	1.1
35-44	5,815 (16.3)	8 (1.5)	1,185.8	1.6
45-54	4,891 (13.7)	22 (4.1)	1,062.5	4.8
55-64	4,036 (11.3)	72 (13.4)	817.9	14.6
65-74	2,614 (7.3)	142 (26.5)	728.9	39.6
75-84	1,515 (4.2)	142 (26.5)	807.1	75.6
85+	819 (2.3)	142 (26.5)	1,118.9	194.0
Unknown	27 (0.1)	0 (0.0)		
Race				
American Indian or Alaska Native	3,069 (8.6)	50 (9.3)	999.1	16.3
Asian or Pacific Islander	1,707 (4.8)	13 (2.4)	1,927.7	14.7
Black or African American	2,499 (7.0)	33 (6.2)	868.7	11.5
Multiracial/Other	1,394 (3.9)	19 (3.5)	336.9	4.6
White	19,862 (55.6)	393 (73.3)	697.9	13.8
Unknown	7,209 (20.2)	28 (5.2)		
Ethnicity				
Hispanic or Latino	7,507 (21.0)	28 (5.2)	1,749.6	6.5
Not Hispanic or Latino	20,562 (57.5)	457 (85.3)	585.1	13.0
Unknown	7,671 (21.5)	51 (9.5)		

1. Percentages may not add up to 100 due to rounding.

2. Rate per 100,000 population

HEALTHCARE & NON-HEALTHCARE

Status ¹	Non-Healthcare Worker count (%)*	Healthcare Worker count (%)*
Active	6,584 (19.6)	209 (9.9)
Deceased	528 (1.6)	8 (0.4)
Recovered	26,521 (78.9)	1,890 (89.7)
Total	33,633	2,107

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

1. Data as of July 30, 2020

CASES & DEATHS BY LONG-TERM CARE AND CORRECTIONAL FACILITIES

	Cases	Deaths
LTCF^{1,2}		
Residents	1,397	240
Staff	837	3
Total	2,234	243
Correctional Facilities^{2,3}		
Inmates	451	4
Staff	129	0
Total	580	4

1. Long term care facility or nursing home

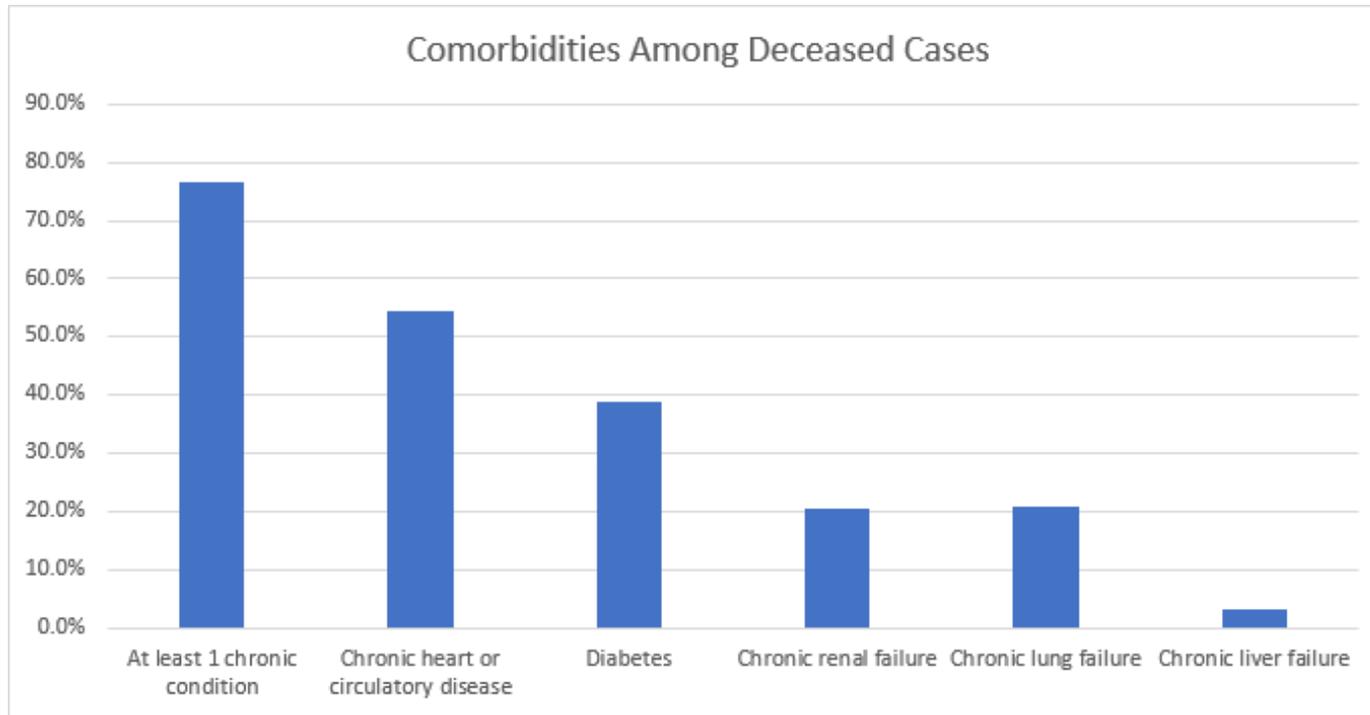
2. Data as of July 30, 2020.

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

COMORBIDITIES AMONG DECEASED CASES

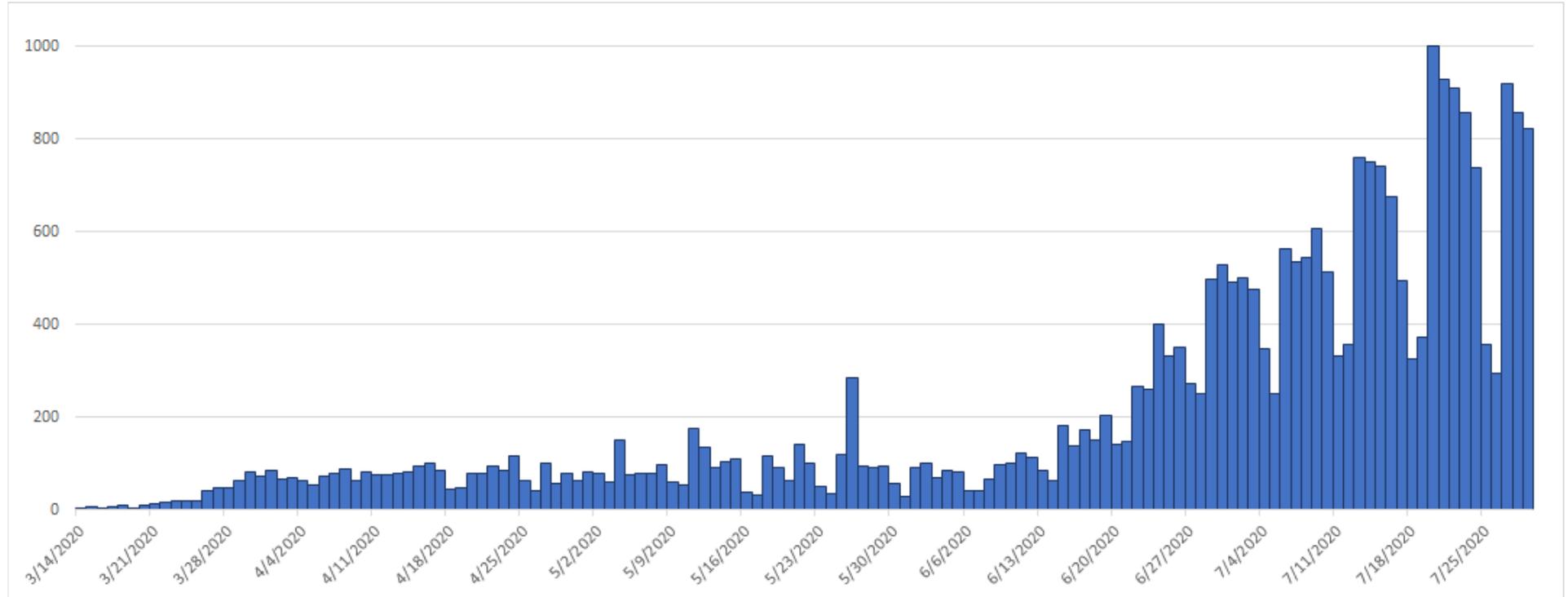
Comorbidities	Number (%)
At least 1 chronic condition*	411 (76.7)
Chronic heart or circulatory disease	291 (54.3)
Diabetes	208 (38.8)
Chronic renal failure	110 (20.5)
Chronic lung failure	111 (20.7)
Chronic liver failure	17 (3.2)

*Chronic conditions include; chronic heart or circulatory disease, diabetes, chronic lung failure, chronic liver failure and renal failure



RECOVERED CASES

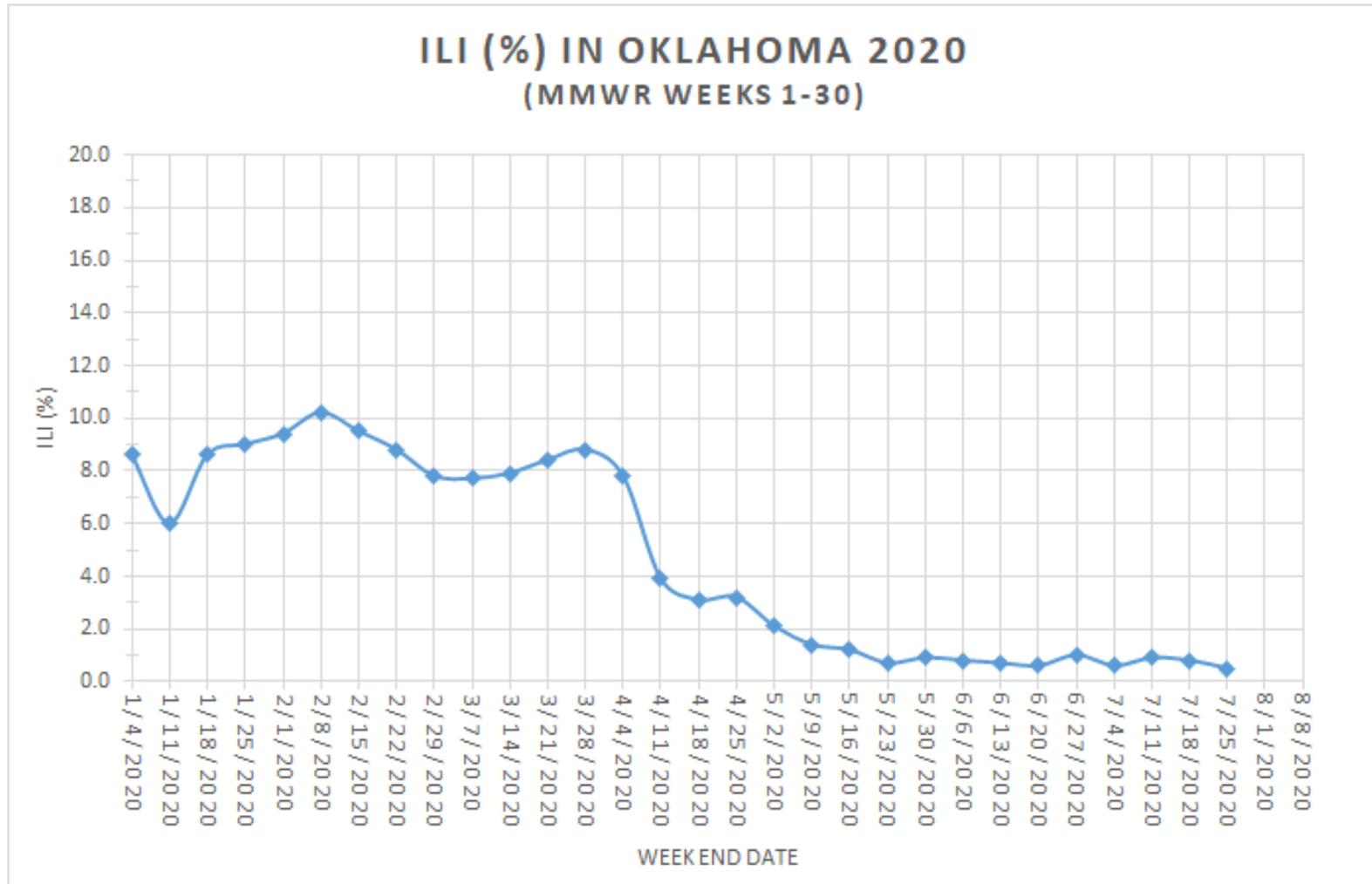
Distribution of **recovered cases of COVID-19**, March-July 2020, Oklahoma



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

Symptoms Criteria

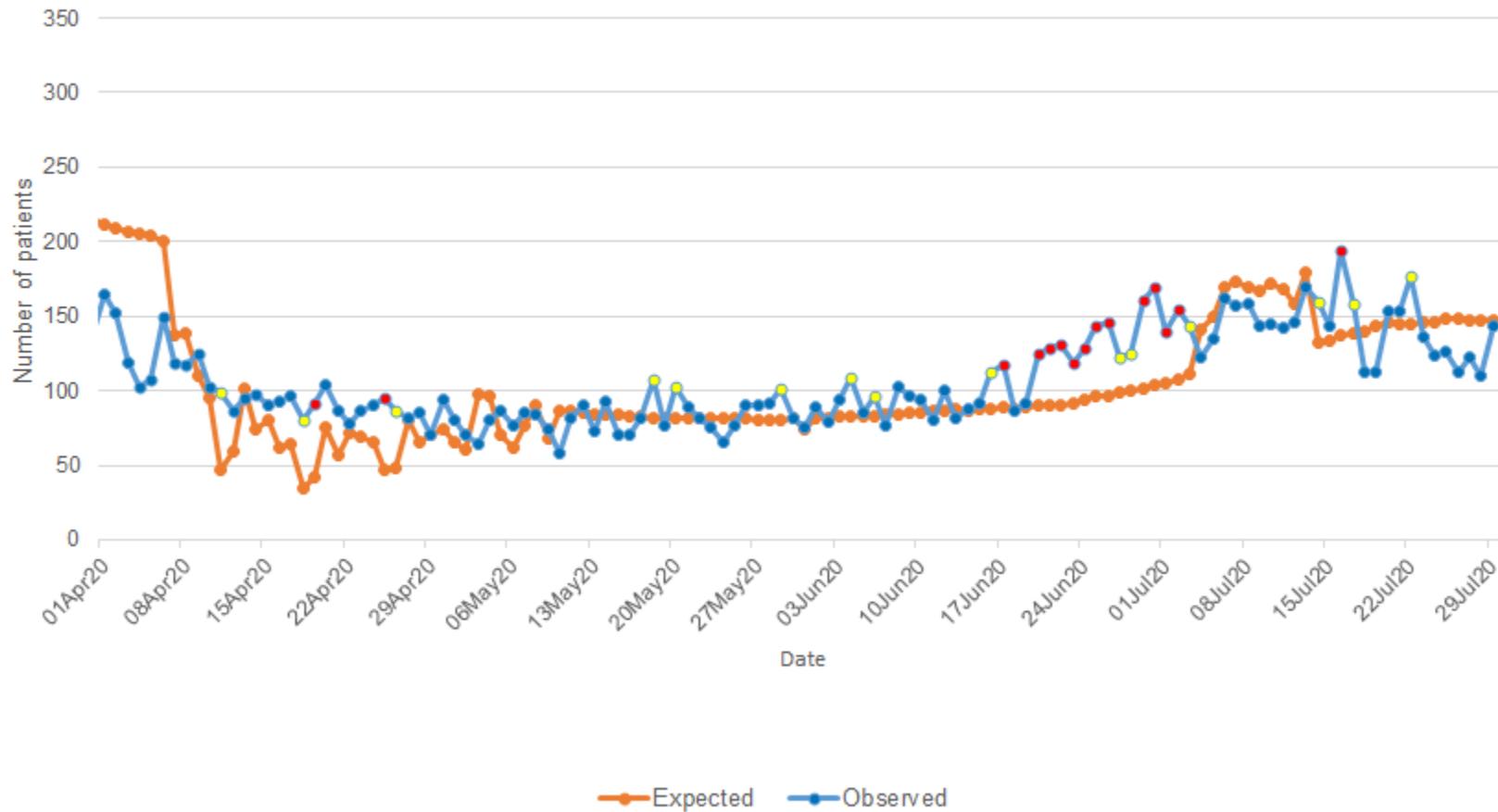
Weekly percentage of **Influenza-Like Illness (ILI)** (%), Morbidity and Mortality Weekly Report, Oklahoma, Jan–July 2020



Interpretation: Data on Influenza-Like Illness has decreased slightly in the daily number and weekly percentage of influenza-like illness cases in the past week.

COVID-19 Related Emergency Department Visits

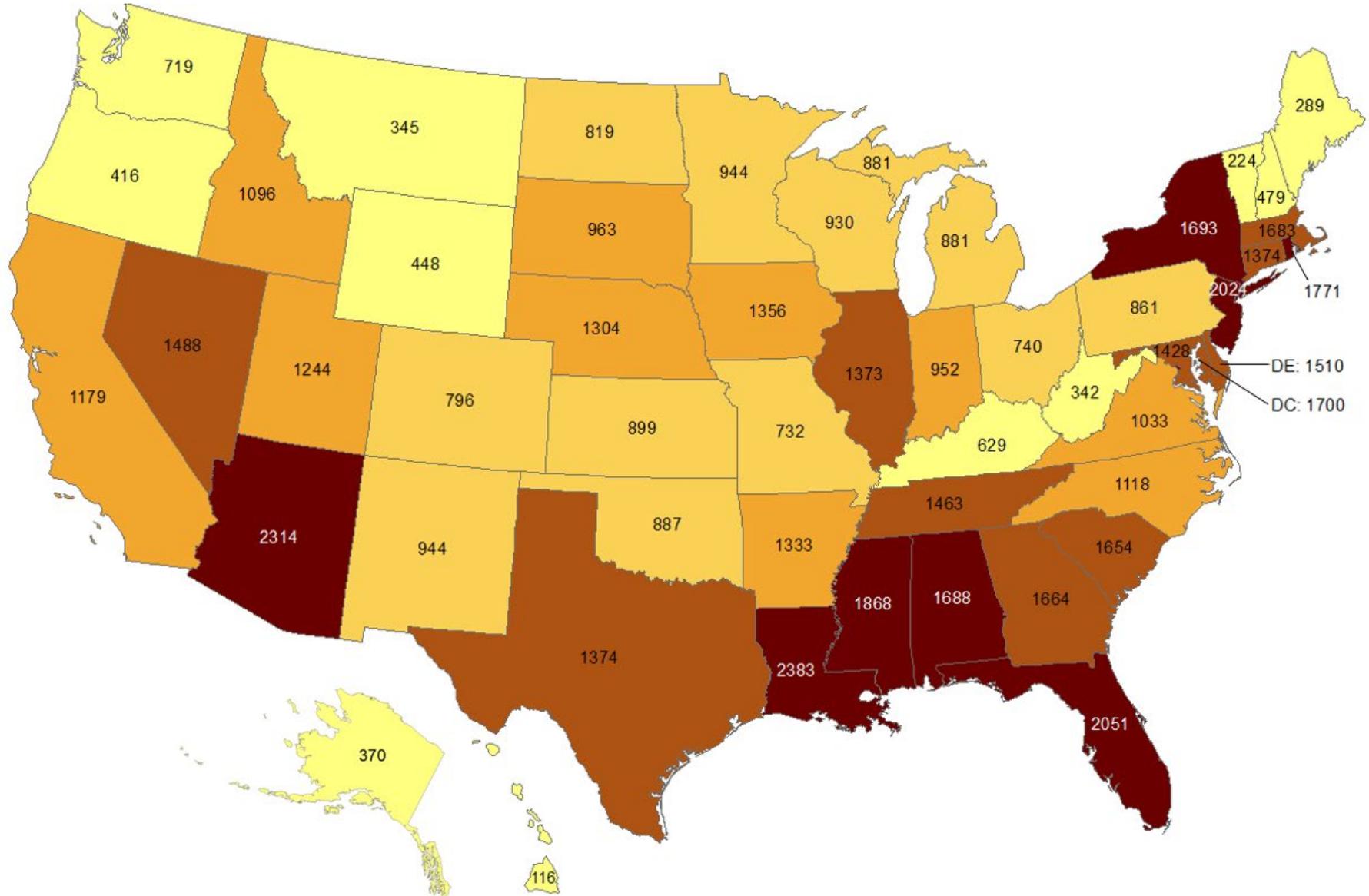
Oklahoma State Syndromic Surveillance of COVID-19 related ED Visits April 1-July 29, 2020



Interpretation: Data from syndromic surveillance shows that the number of COVID-19 related emergency department visits has been in the expected range for in the past 11 days as indicated by the blue dots on the observed line.

Cumulative incidence of reported COVID-19 cases

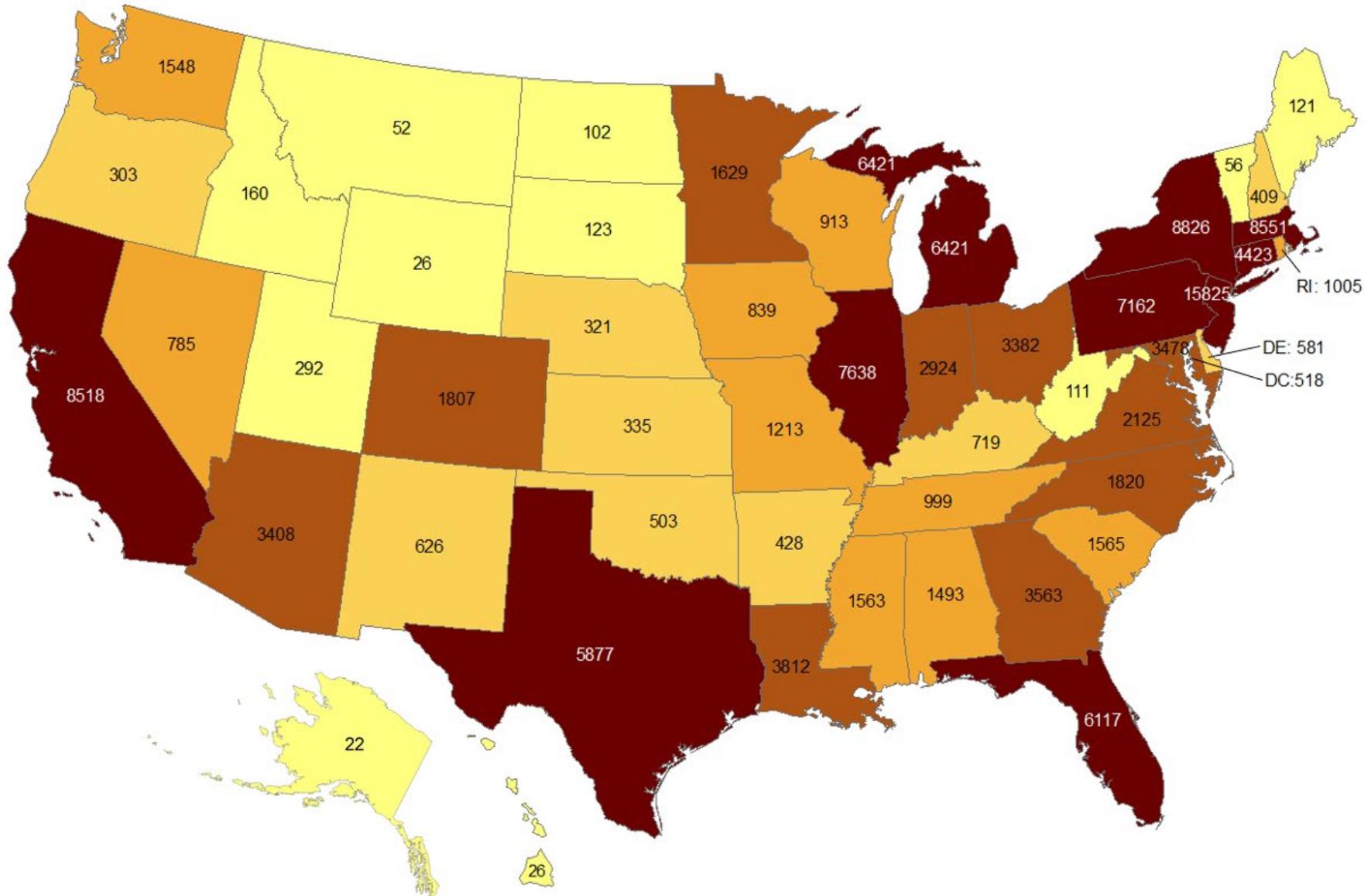
Oklahoma ranks **34** (out of all States and DC) in the cumulative incidence (per 100,000 persons) of reported COVID-19 cases in the US.



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

Total number of reported COVID-19 deaths

Oklahoma ranks **35** (out of all States and DC) in the total number of reported COVID-19 deaths in the US.



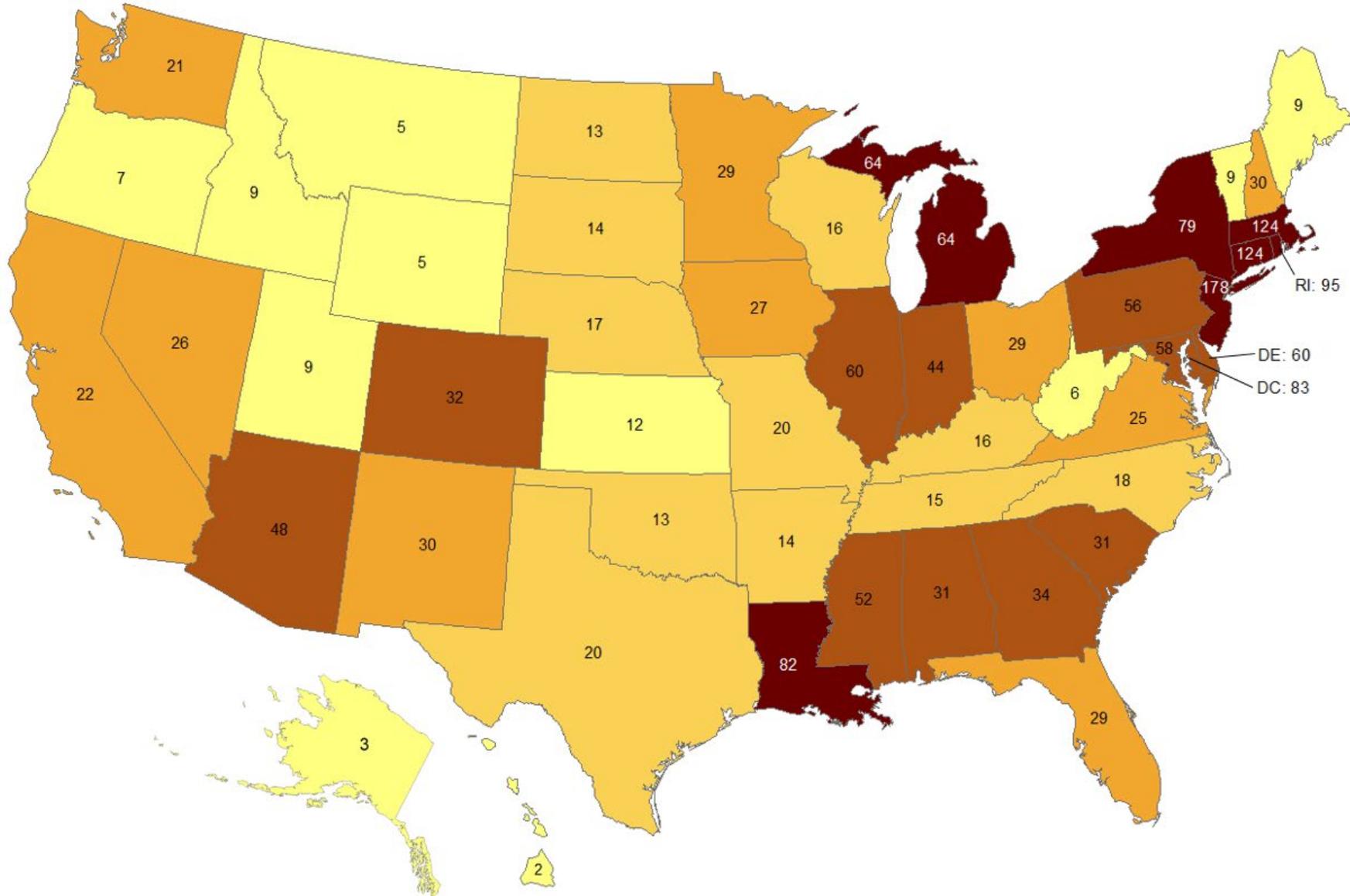
Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>

Data as of July 29, 2020

NOTE: CDC numbers include both Confirmed and Probable cases whereas the OSDH counts are limited to Confirmed cases.

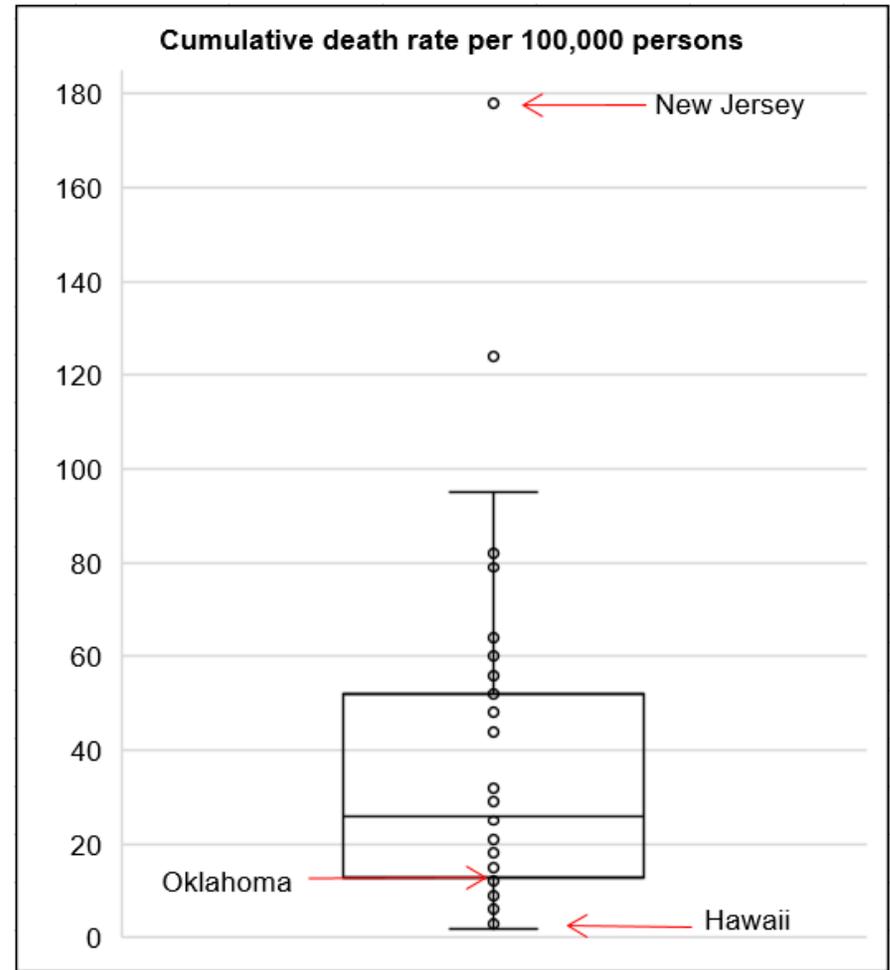
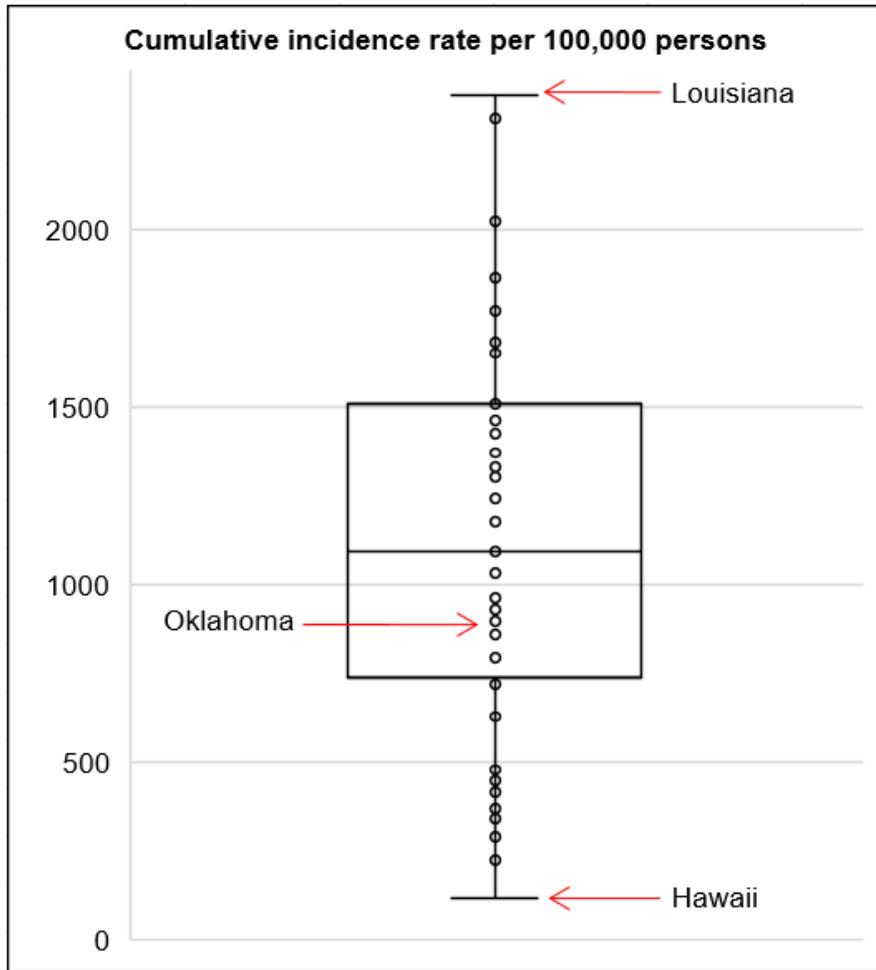
Cumulative death rate of reported COVID-19 cases

Oklahoma ranks **39** (out of all States and DC) in the cumulative death rate (per 100,000 persons) of reported COVID-19 cases in the US.



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

Cumulative incidence and cumulative death rate of reported COVID-19 cases



Interpretation: Oklahoma has cumulative incidence and cumulative death rate below the median of the US.

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, please visit <https://coronavirus.health.ok.gov/>

DISCLAIMER

The purpose of publishing aggregated statistical COVID-19 data through the OSDH Dashboard, the Executive Order Report, and the Weekly Epidemiology and Surveillance Report is to support the needs of the general public in receiving important and necessary information regarding the state of the health and safety of the citizens of Oklahoma. These resources may be used only for statistical purposes and may not be used in any way that would determine the identity of any reported cases.