

OKLAHOMA COVID-19 WEEKLY REPORT

Weekly Epidemiology and Surveillance Report
July 10 – July 16, 2020



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

SNAPSHOT

	July 10– July 16	Change ¹	Total
Confirmed cases	4,945	25.0%	23,441
Recovered cases ²	3,995	30.9%	18,095
Deaths	28	86.7%	438

1. Change from the week of July 3-July 9, 2020.

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

The average age of cases was **41 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 **102 years**.

Persons aged
50 and over

32%
of cases

Persons aged
50 and over

96%
of deaths

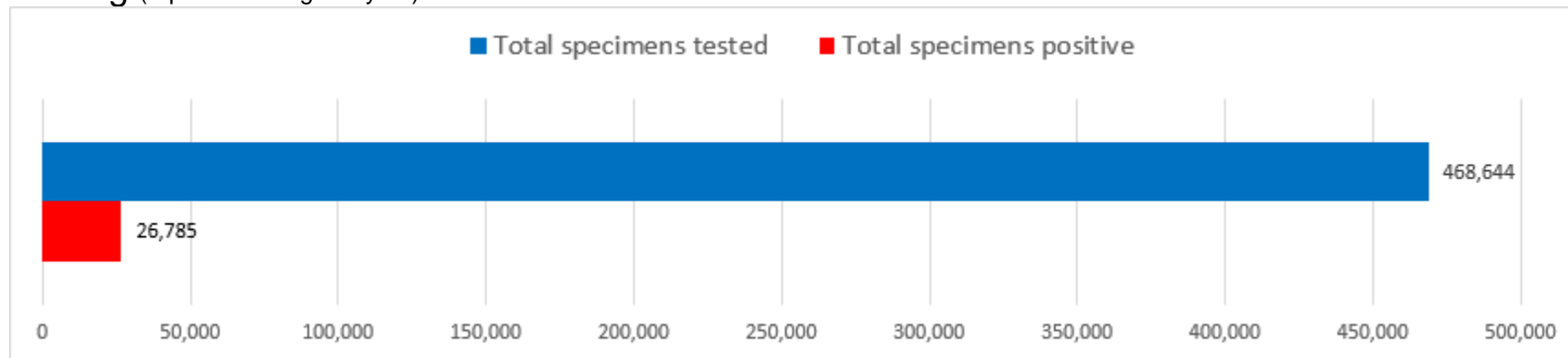
Females

51%
of cases

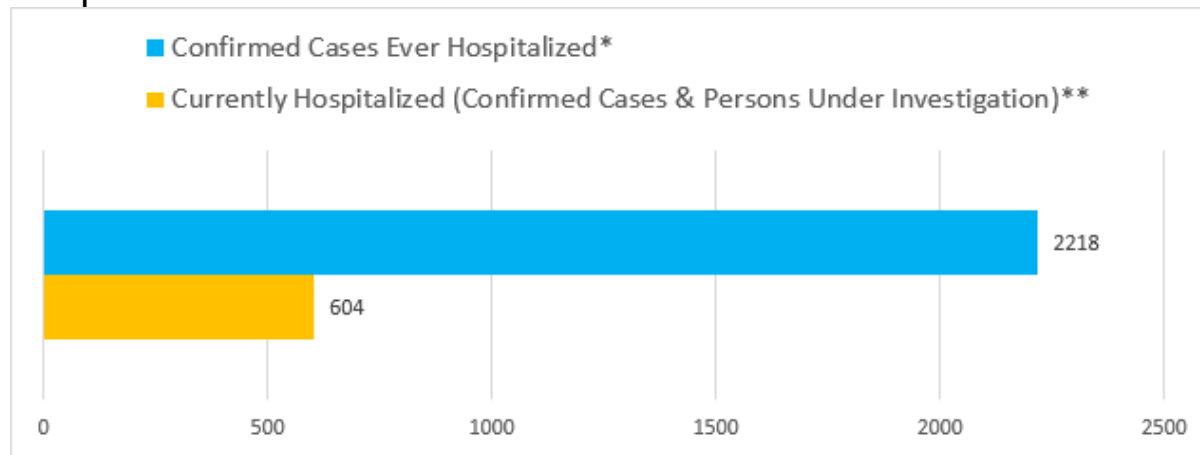
Males

52%
of deaths

Testing (reported through July 16)



Hospitalizations



*Ever hospitalized includes discharged, deceased, currently hospitalized and recovered as of 7/16/2020.

**Source OSDH Beds Survey. Note, facility response rate of 86% on 7/16/2020.

KEY POINTS

- **4,945** confirmed cases in the past week
25.0% increase from the week before (July 3-July 9).
- **28** deaths occurred in the past week
86.7% increase from the week before (July 3-July 9).
- **2,218 (9.5%)** confirmed cases have been hospitalized
- **325** confirmed cases were reported to OSDH as hospitalized in the past week 16.9% increase from the week before (July 3-July 9)
- **468,644** specimens have been tested in total
- **77** counties (out of 77) have had at least one confirmed case of COVID-19

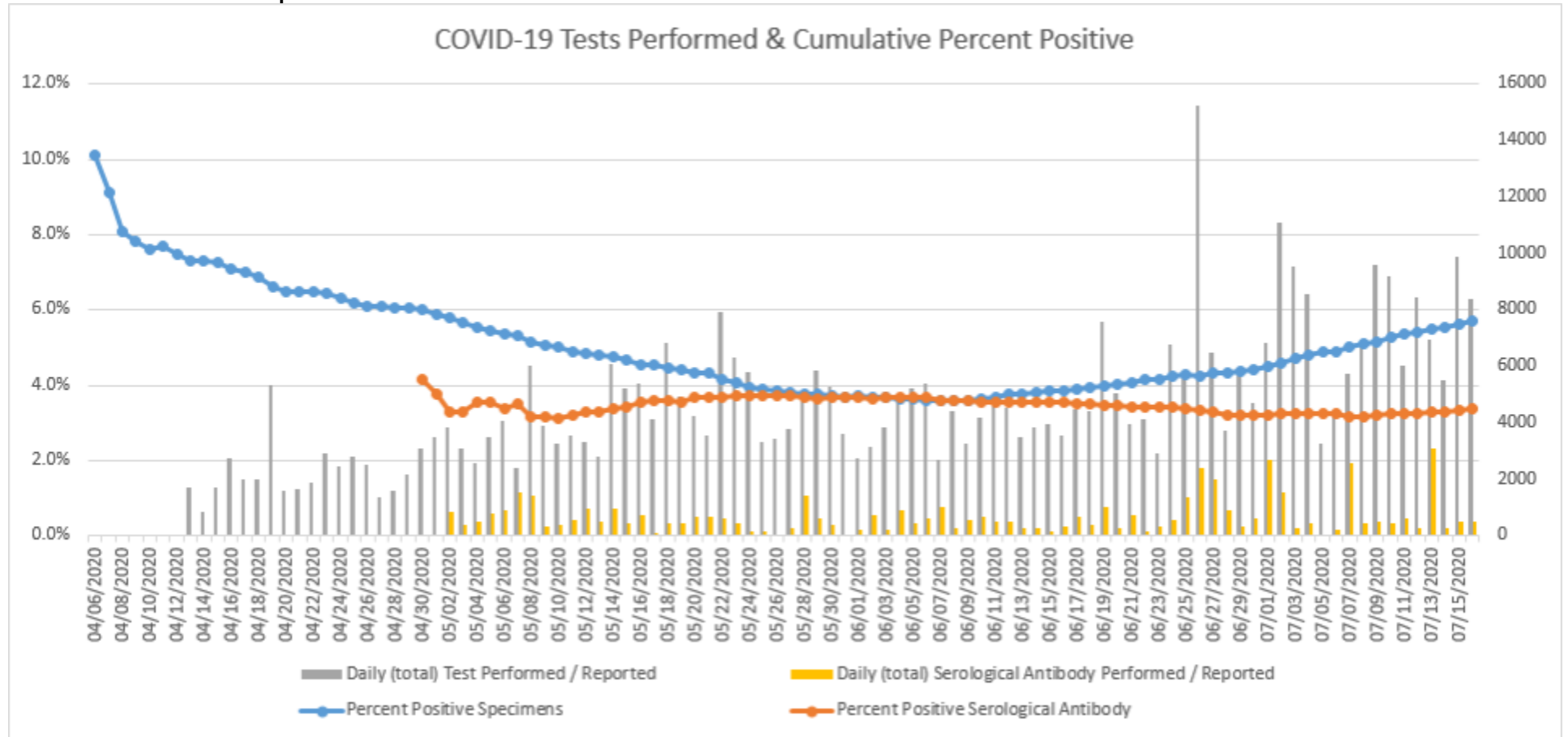
DISEASE TESTING

	July 10 – July 16	Total Number
Specimens tested ¹ , count	54,447	468,644
Specimens positive, count (%)	5,440 (10.0%)	26,785 (5.7%)
Antibody tested, count	5,713	55,185
Antibody positive, count (%)	262 (4.6%)	1,854 (3.4%)

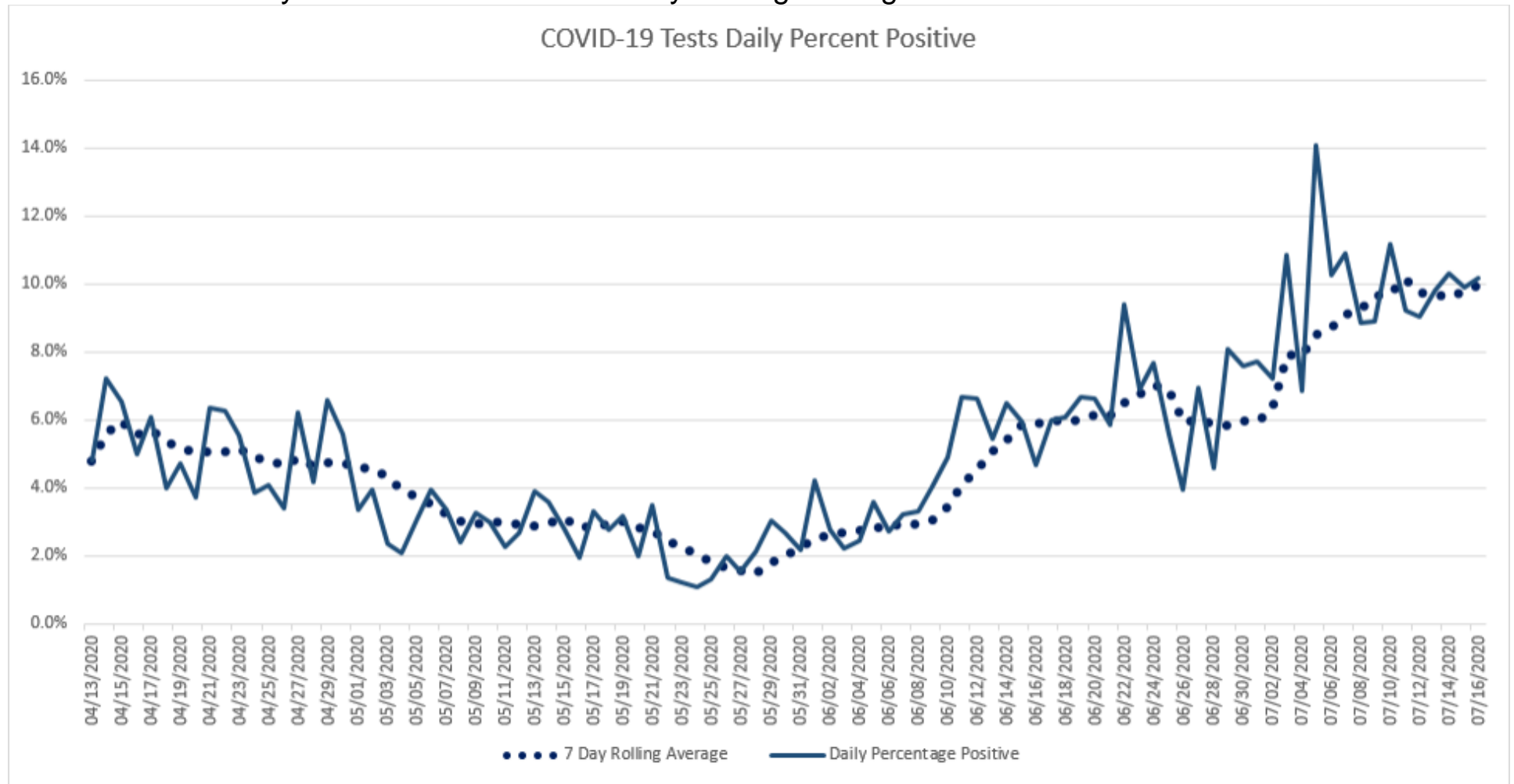
1. Includes state and private laboratories.

Note: Specimen counts may not reflect unique individuals.

Positive tests as a percent of total tests



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

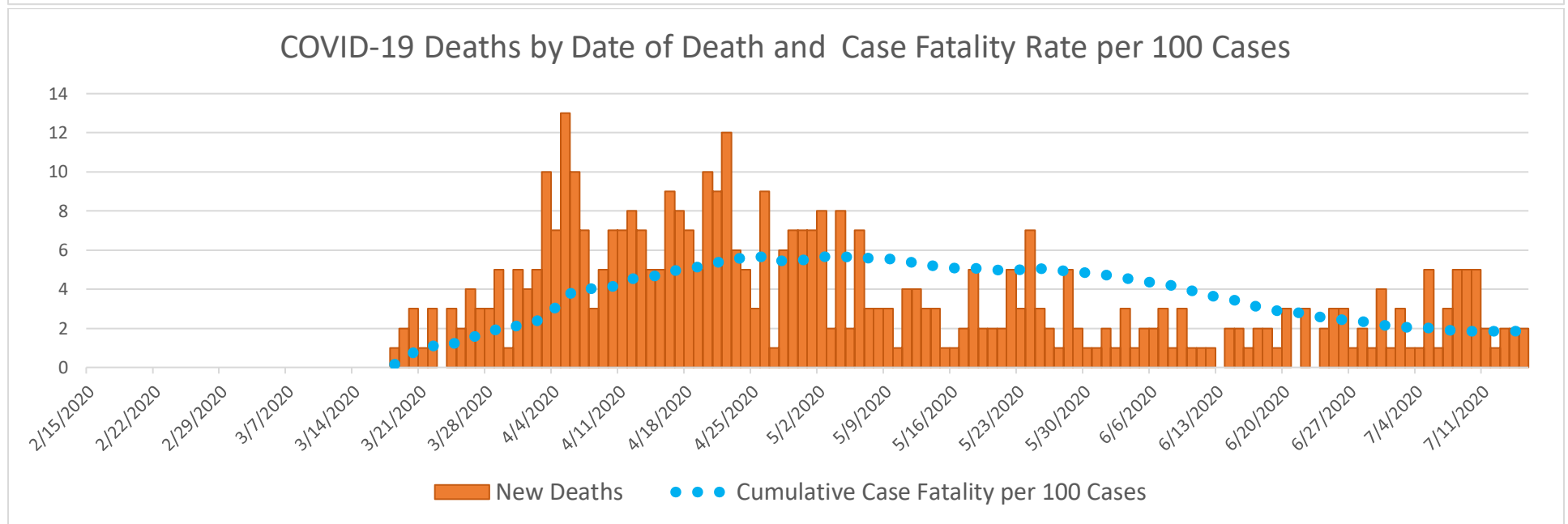
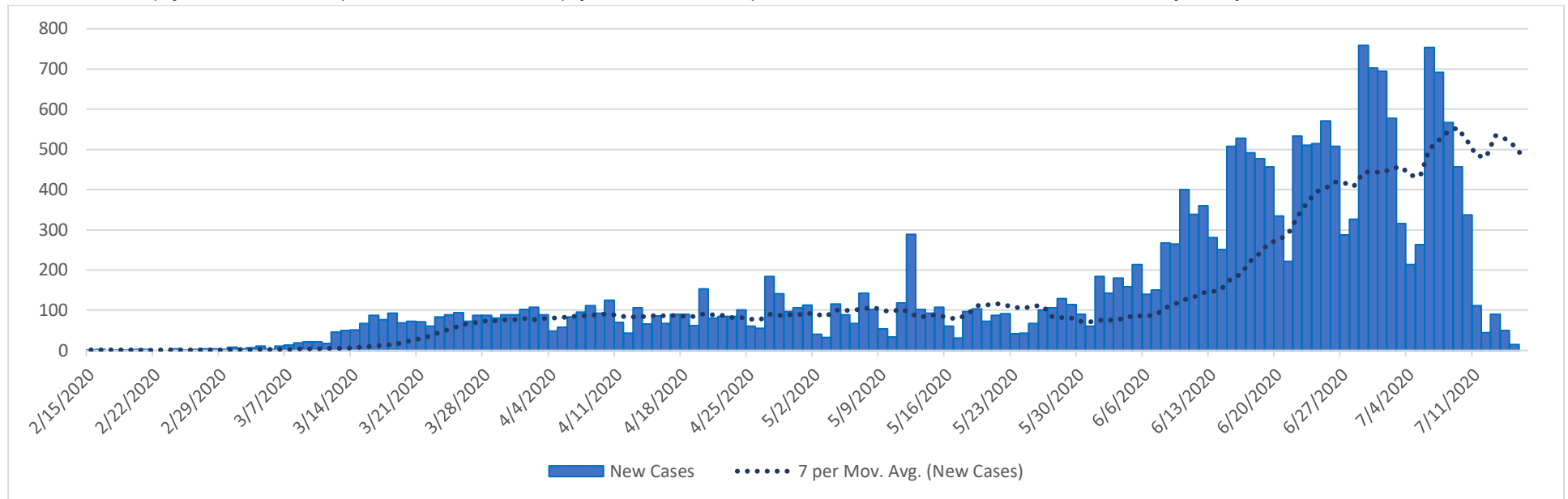


EPIDEMIOLOGICAL ESTIMATES

	Estimate	Notes / Interpretation
Cases		
Cumulative incidence	549.5 (per 100,000 persons)	From March 7 to July 16, there were about 549 (per 100,000) new cases of COVID-19 in Oklahoma.
Absolute change in cumulative incidence from previous week	25.1 (per 100,000 persons)	Compared to July 3 - July 9, there was 25 (per 100,000) more cases of COVID-19 reported in Oklahoma during the past week (July 10 - July 16).
Disease Severity		
Case-fatality risk (crude)	1.9%	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)	56.3 (per 100,000 persons)	About 56 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 16, 2020.

Please note the different axes for new cases (top—from 0 to 800 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 5/31 and 6/6 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)

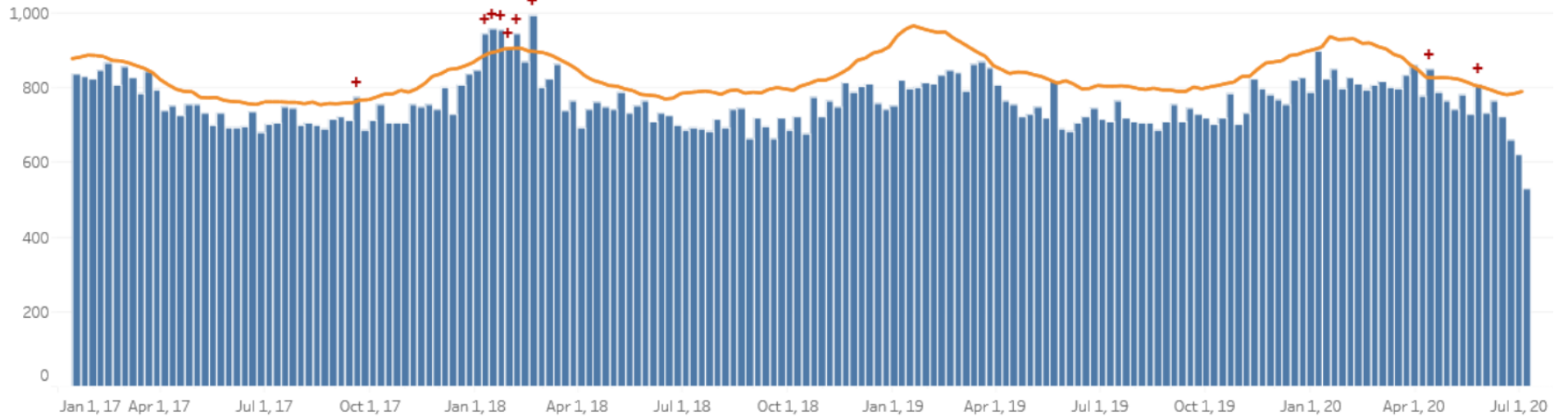
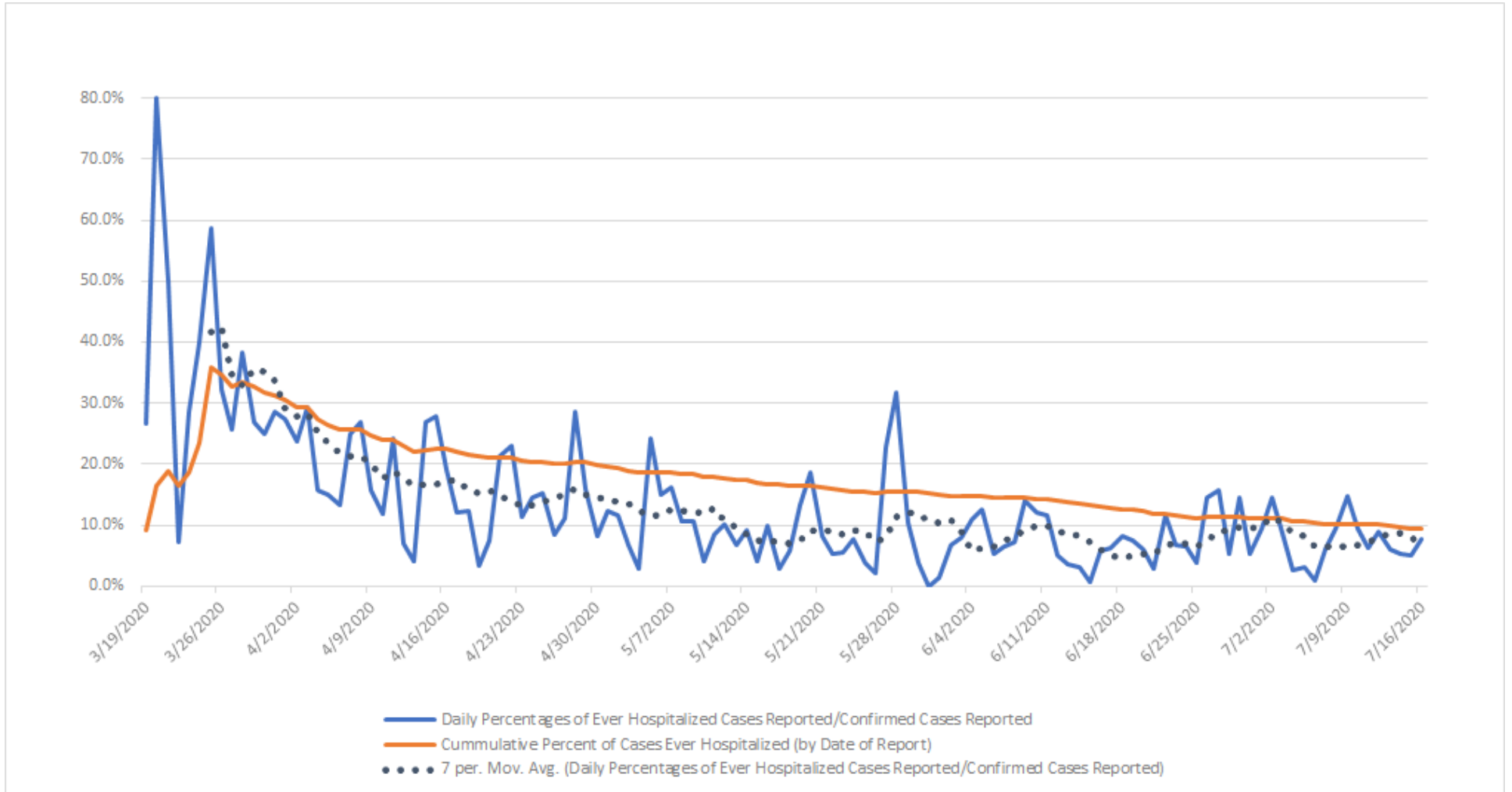


Figure notes: Contains data up to the week-ending date of July 4, 2020. Data in recent weeks are incomplete. Only 60% of the death records are submitted to NCHS within 1-days of the date of death, and completeness varies by jurisdiction.

Source: CDC, National Center for Health Statistics, https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm#dashboard, July 16, 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}	10,803	3 days	0-10 days
Time from Symptom Onset to Hospitalization ^{1,3}	1,403	6 days	0-14 days
Length of Hospitalization Discharged Alive ⁴	1,142	5 days	1-17 days
Length of Hospitalization Deceased ⁴	296	8 days	2-24 days
Time from Symptom Onset to Death ^{1,5}	276	13.5 days	4-32 days

*Data as of July 16, 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.
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DEMOGRAPHIC INFORMATION as of July 16, 2020

	Cases count (%) ¹	Deaths count (%) ¹	Cumulative Incidence Rate ²	Cumulative Mortality Rate ²
Oklahoma	23,441	438	594.5	11.1
Gender				
Male	11,441 (48.8)	228 (52.1)	585.8	11.7
Female	12,000 (51.2)	210 (47.9)	603.0	10.6
Age group				
Under 1- 4	473 (2.0)	0 (0.0)	181.6	0.0
5-14	1,076 (4.6)	1 (0.2)	200.0	0.2
15-24	4,240 (18.1)	1 (0.2)	788.4	0.2
25-34	4,591 (19.6)	5 (1.1)	845.1	0.9
35-44	3,839 (16.4)	4 (0.9)	782.8	0.8
45-54	3,177 (13.6)	19 (4.3)	690.2	4.1
55-64	2,649 (11.3)	57 (13.0)	536.8	11.6
65-74	1,712 (7.3)	112 (25.6)	477.4	31.2
75-84	1,040 (4.4)	110 (25.1)	554.0	58.6
85+	626 (2.7)	129 (29.5)	855.2	176.2
Unknown	18 (0.1)	0 (0.0)		
Race				
American Indian or Alaska Native	1,638 (7.0)	35 (8.0)	533.2	11.4
Asian or Pacific Islander	1,485 (6.3)	9 (2.1)	1,677.0	10.2
Black or African American	1,753 (7.5)	30 (6.8)	609.4	10.4
Multiracial/Other	934 (4.0)	11 (2.5)	225.7	2.7
White	13,128 (56.0)	330 (75.3)	461.3	11.6
Unknown	4,503 (19.2)	23 (5.3)		
Ethnicity				
Hispanic or Latino	4,941 (21.1)	17 (3.9)	1,151.5	4.0
Not Hispanic or Latino	13,810 (58.9)	379 (86.5)	393.0	10.8
Unknown	4,690 (20.0)	42 (9.6)		

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	4,785 (21.9)	123 (7.6)
Deceased	432 (2.0)	6 (0.4)
Recovered	16,609 (76.1)	1,486 (92.0)
Total	21,826	1,615

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

1. Data as of July 16, 2020

CASES & DEATHS BY LONG-TERM CARE AND CORRECTIONAL FACILITIES

	Cases	Deaths
LTCF^{1,2}		
Residents	1,177	218
Staff	712	3
Total	1,889	221
Correctional Facilities^{2,3}		
Inmates	399	2
Staff	85	0
Total	484	2

1. Long term care facility or nursing home

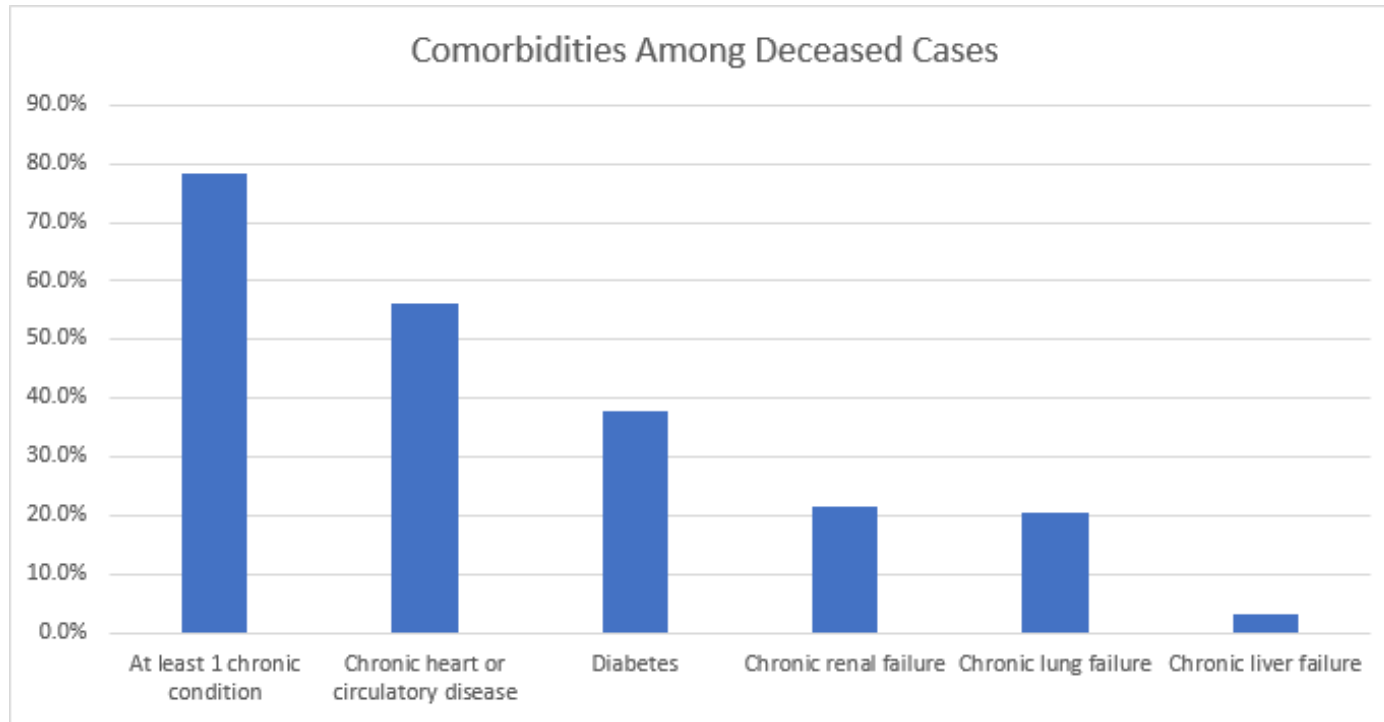
2. Data as of July 16, 2020.

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

COMORBIDITIES AMONG DECEASED CASES

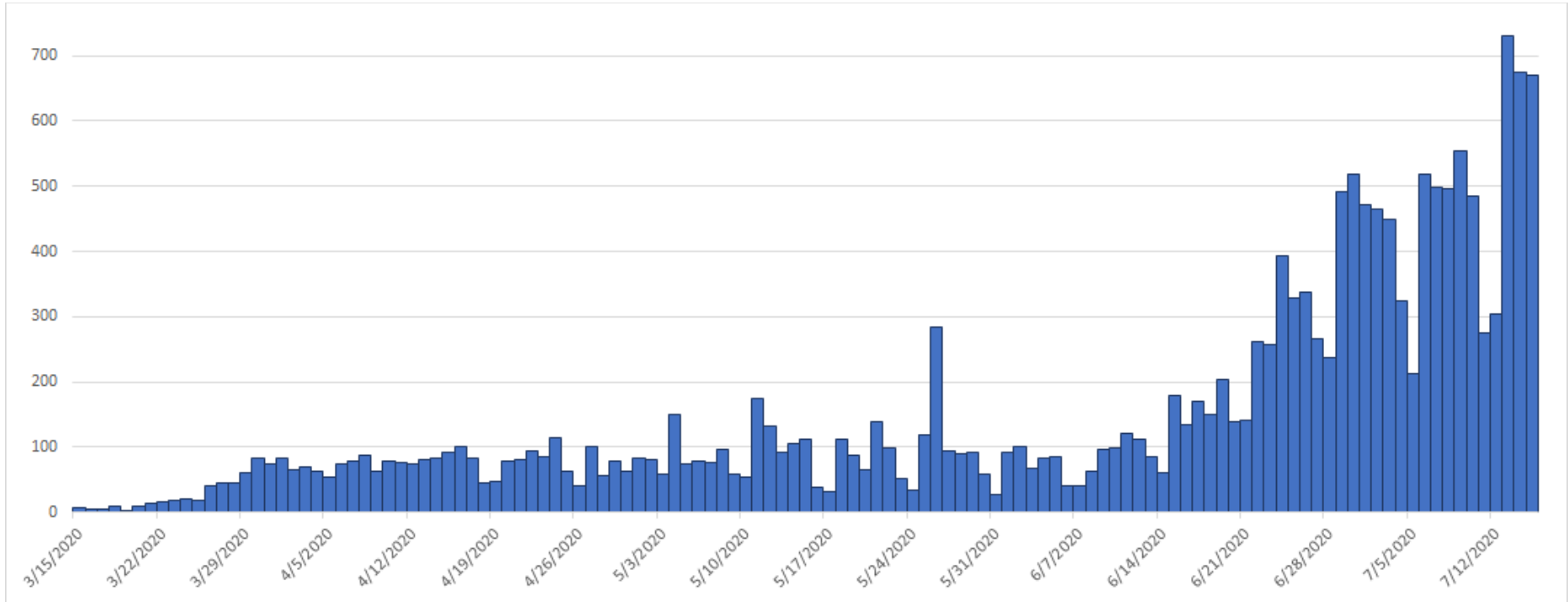
Comorbidities	Number (%)
At least 1 chronic condition*	344 (78.5)
Chronic heart or circulatory disease	246 (56.2)
Diabetes	166 (37.9)
Chronic renal failure	94 (21.5)
Chronic lung failure	90 (20.5)
Chronic liver failure	14 (3.2)

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



RECOVERED CASES

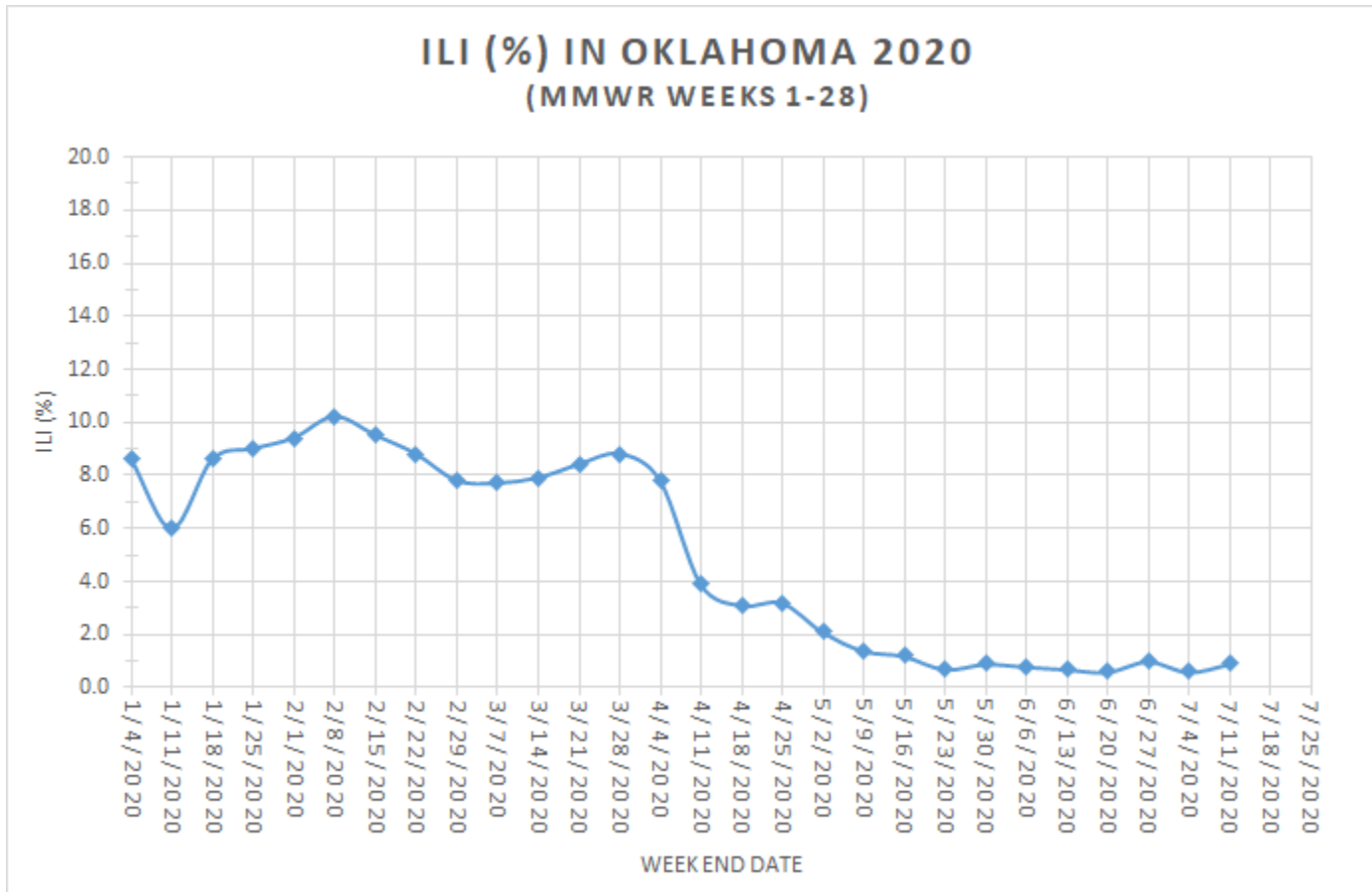
Distribution of recovered cases of COVID-19, March-July 2020, Oklahoma



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

Symptoms Criteria

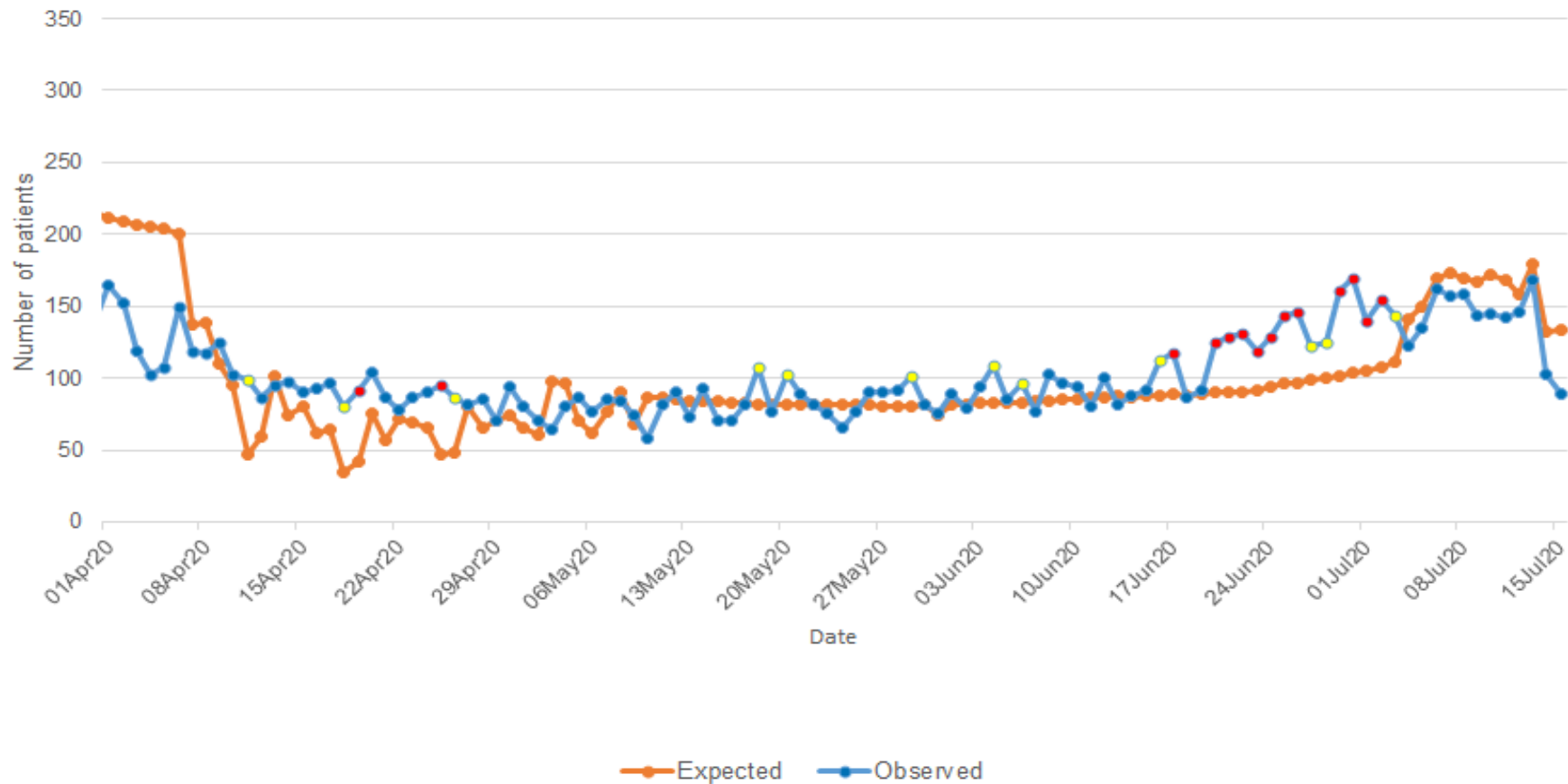
Weekly percentage of **Influenza-Like Illness (ILI)** (%), Morbidity and Mortality Weekly Report, Oklahoma, Jan–July 2020



Interpretation: Data on Influenza-Like Illness has increased 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 15, 2020

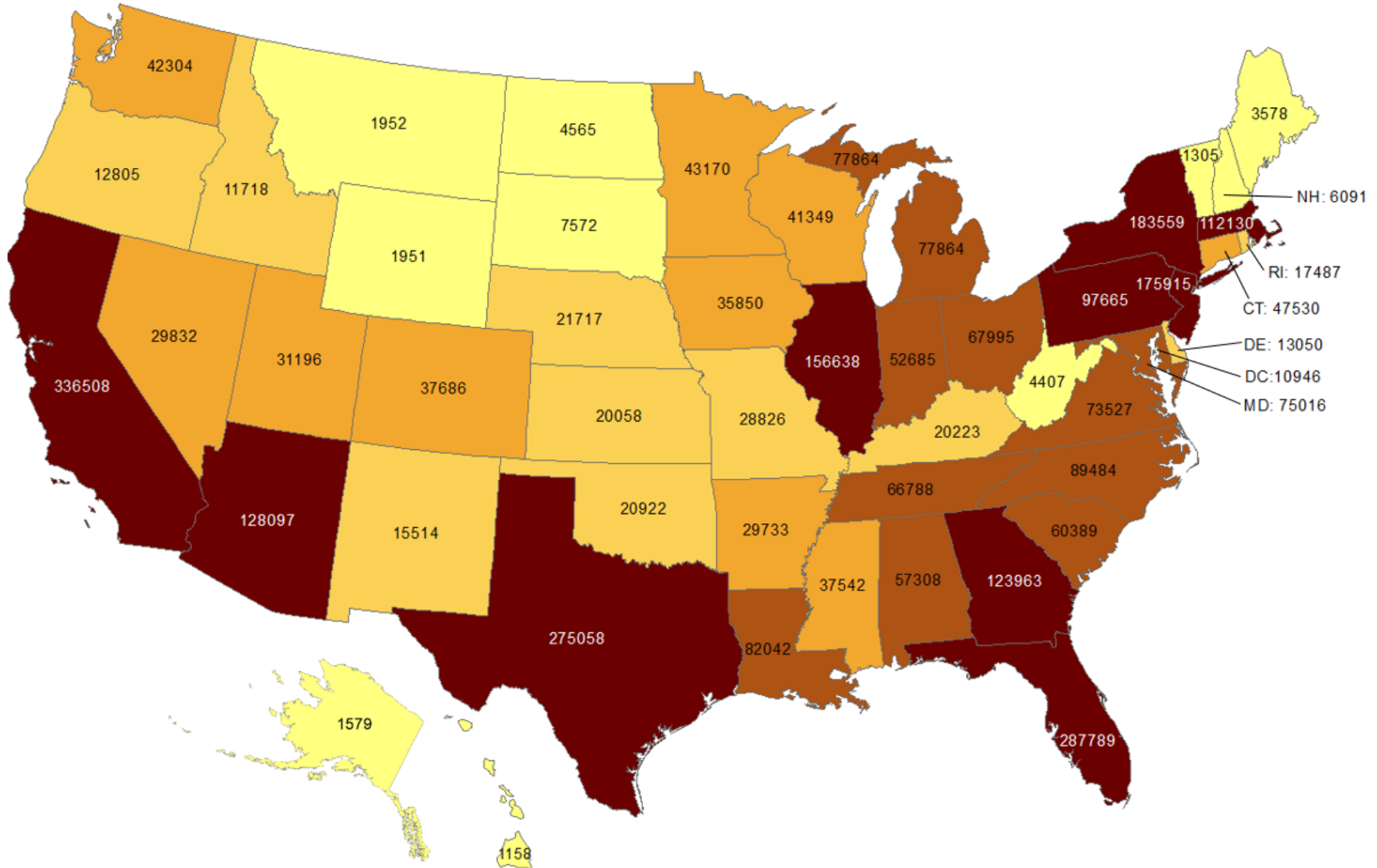


Interpretation: Data from syndromic surveillance shows that the number of COVID-19 related emergency department visits has been in the expected range for in the past 12 days as indicated by the blue dots on the observed line.

OKLAHOMA IN COMPARISON

Total number of reported COVID-19 cases

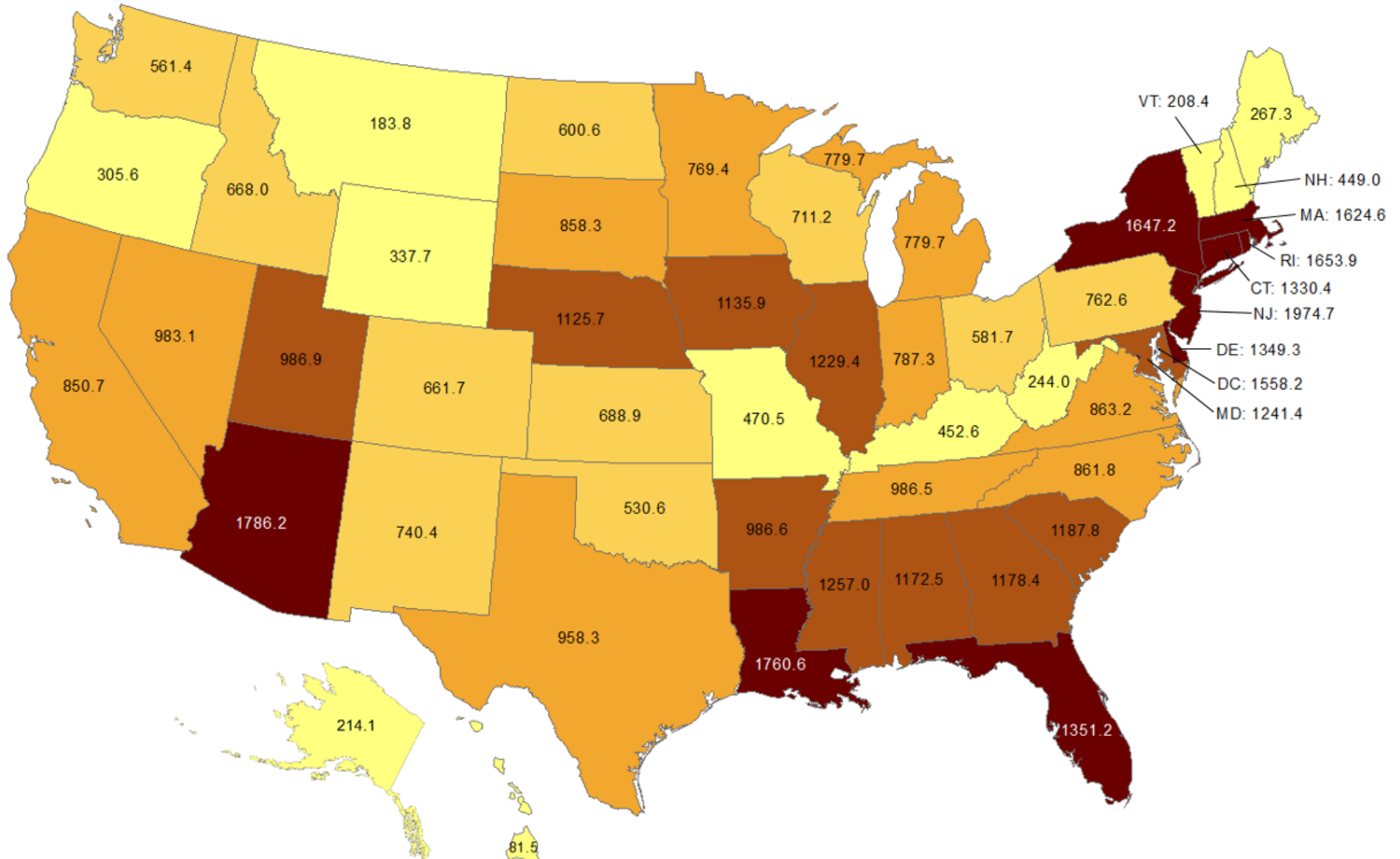
Oklahoma ranks **33** (out of all States and DC) in the total number of reported COVID-19 cases in the US.



Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of July 15, 2020

Cumulative incidence of reported COVID-19 cases

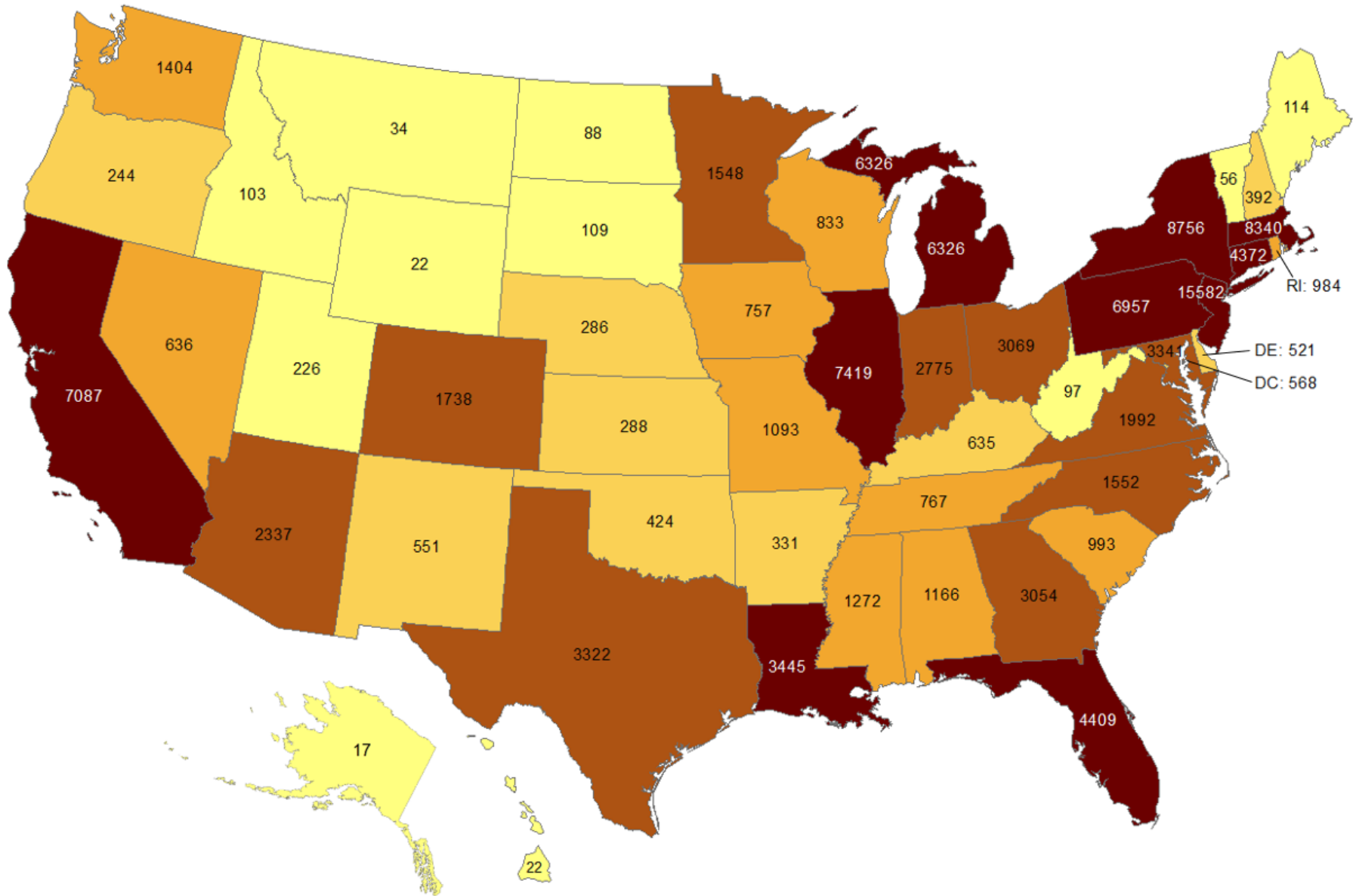
Oklahoma ranks **40** (out of all States and DC) in the cumulative incidence (per 100,000 persons) of reported COVID-19 cases in the US.



Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of July 15, 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.



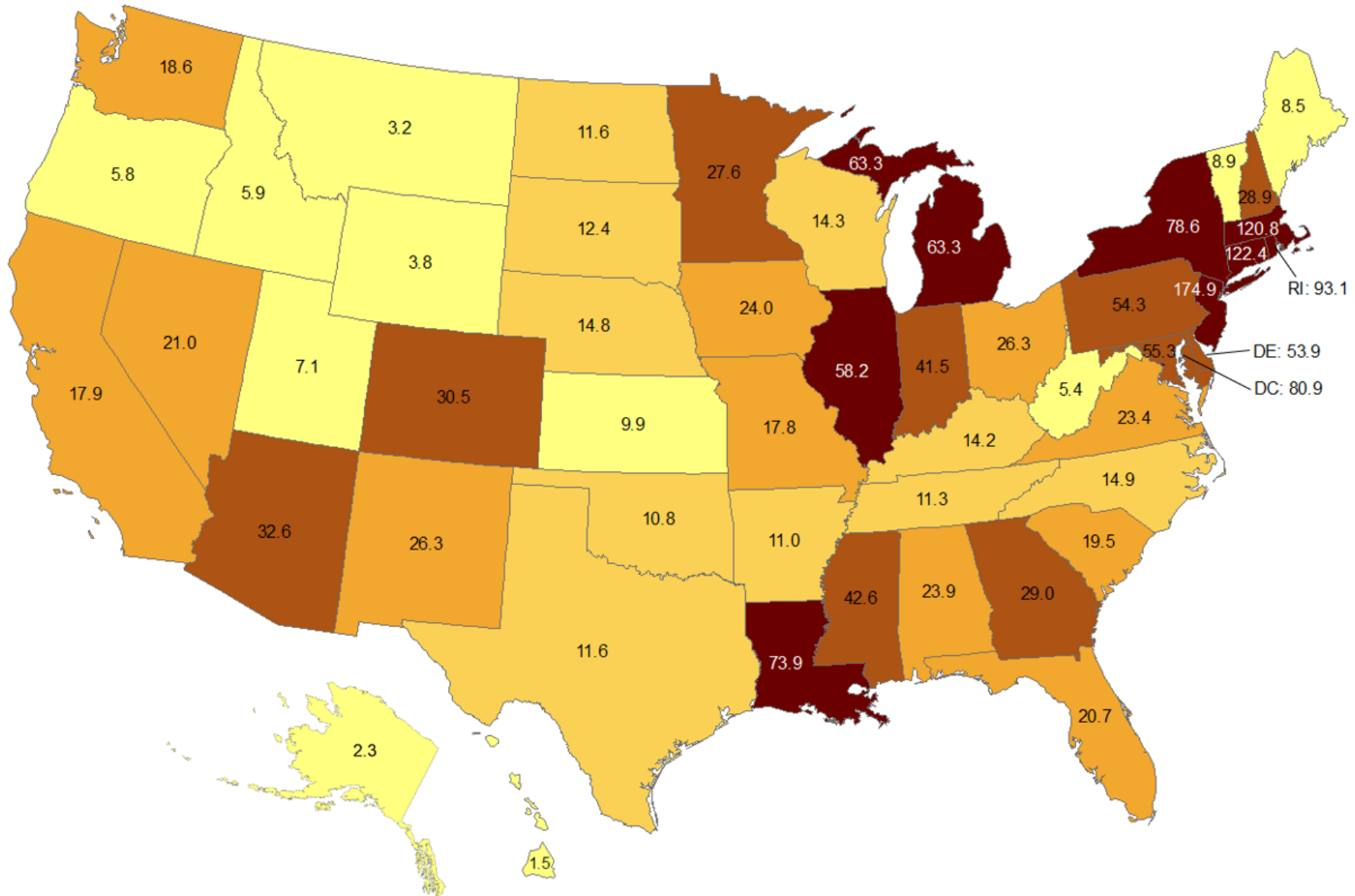
Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>

Data as of July 15, 2020

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

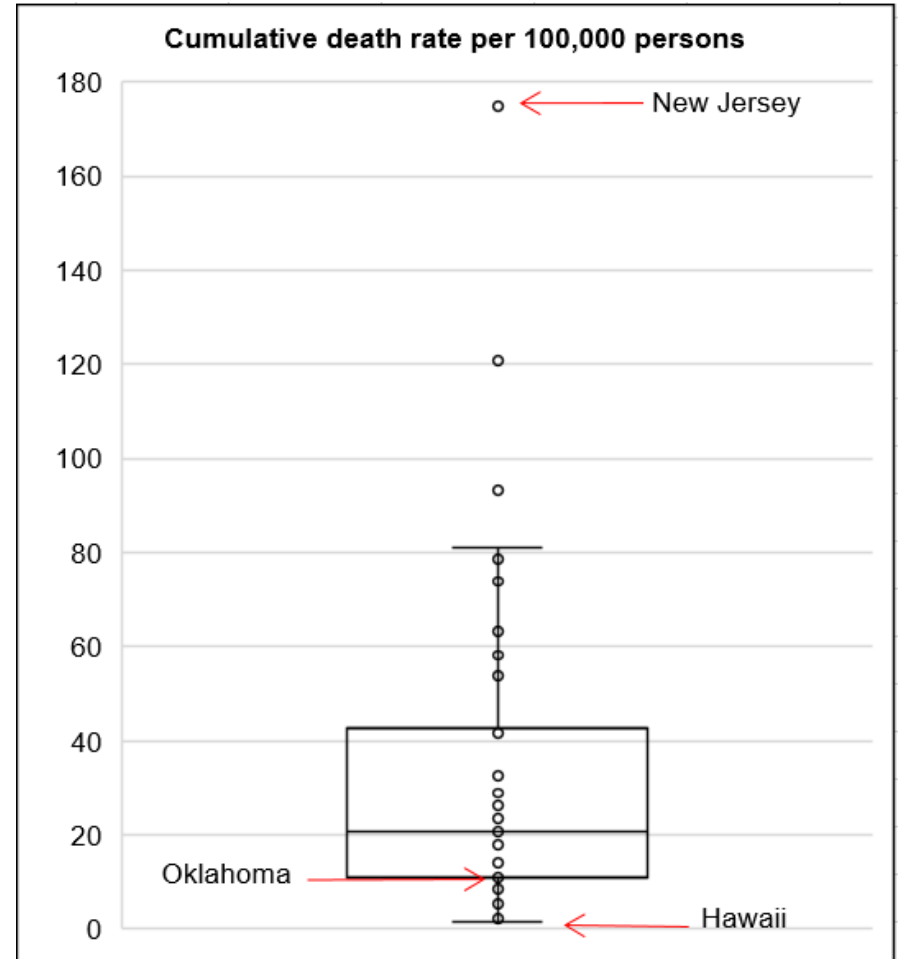
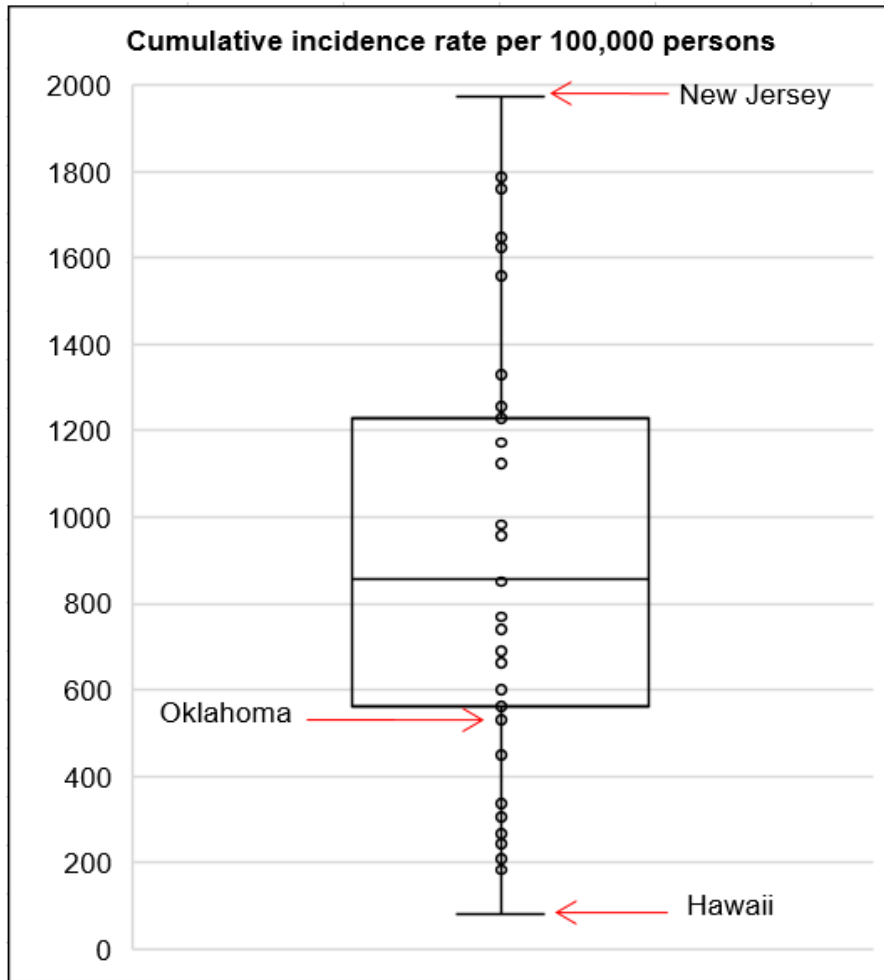
Cumulative death rate of reported COVID-19 cases

Oklahoma ranks **40** (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 15, 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.