

OKLAHOMA COVID-19 WEEKLY REPORT

Weekly Epidemiology and Surveillance Report
July 3 – July 9, 2020



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

SNAPSHOT

	July 3– July 9	Change ¹	Total
Confirmed cases	3,957	52.7%	18,496
Recovered cases ²	3,052	20.1%	14,100
Deaths	15	-25.0%	410

1. Change from the week of June 26-July 2, 2020.
2. Currently not hospitalized or deceased and 14 days after onset/report.

The average age of cases was **42 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 **22 years** and the oldest was **102 years**.

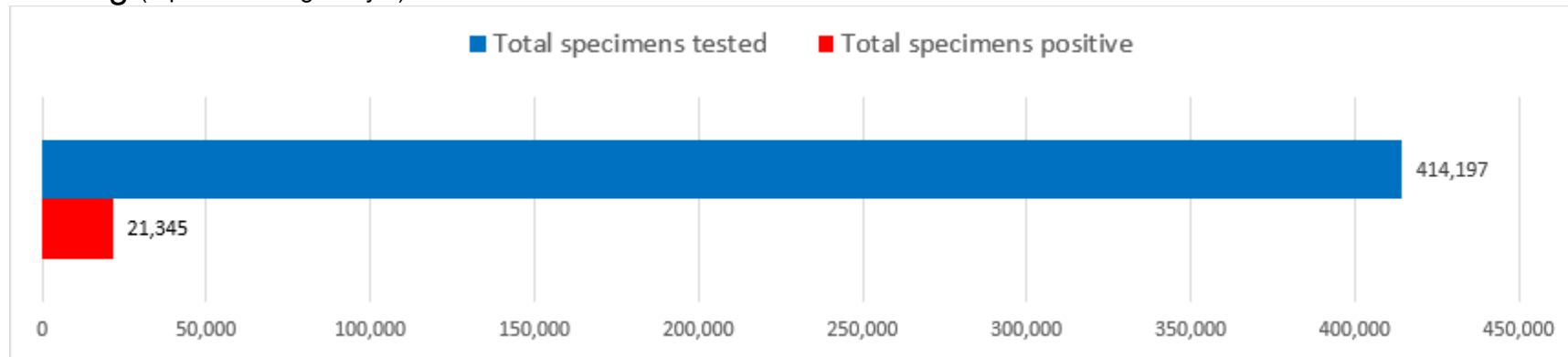
Persons aged
50 and over
33%
of cases

Persons aged
50 and over
96%
of deaths

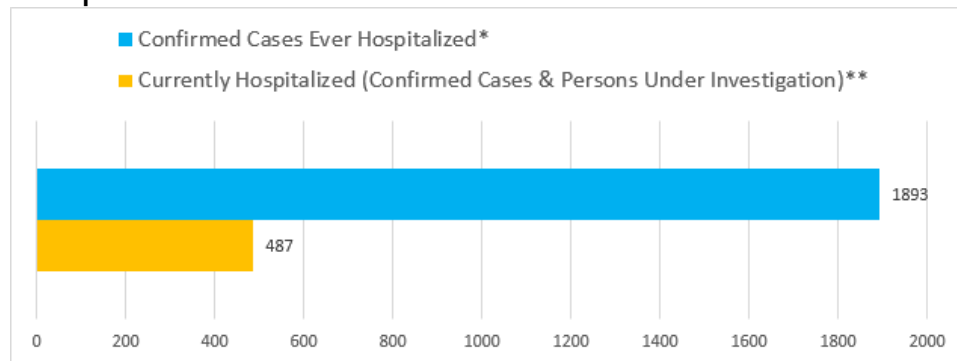
Females
51%
of cases

Males
51%
of deaths

Testing (reported through July 9)



Hospitalizations



*Ever hospitalized includes discharged, deceased, currently hospitalized and recovered as of 7/9/2020.

**Source OSDH Beds Survey. Note, facility response rate of 83% on 7/9/2020.

KEY POINTS

- **3,957** confirmed cases in the past week
52.7% increase from the week before (June 26-July 2).
 - **15** deaths occurred in the past week
25.0% decrease from the week before (June 26-July 2).
 - **1,893 (13.0%)** confirmed cases have been hospitalized
 - **278** confirmed cases were reported to OSDH as hospitalized in the past week
0.4% decrease from the week before (June 26-July 2)
 - **414,197** specimens have been tested in total
 - **76** counties (out of 77) have had at least one confirmed case of COVID-19
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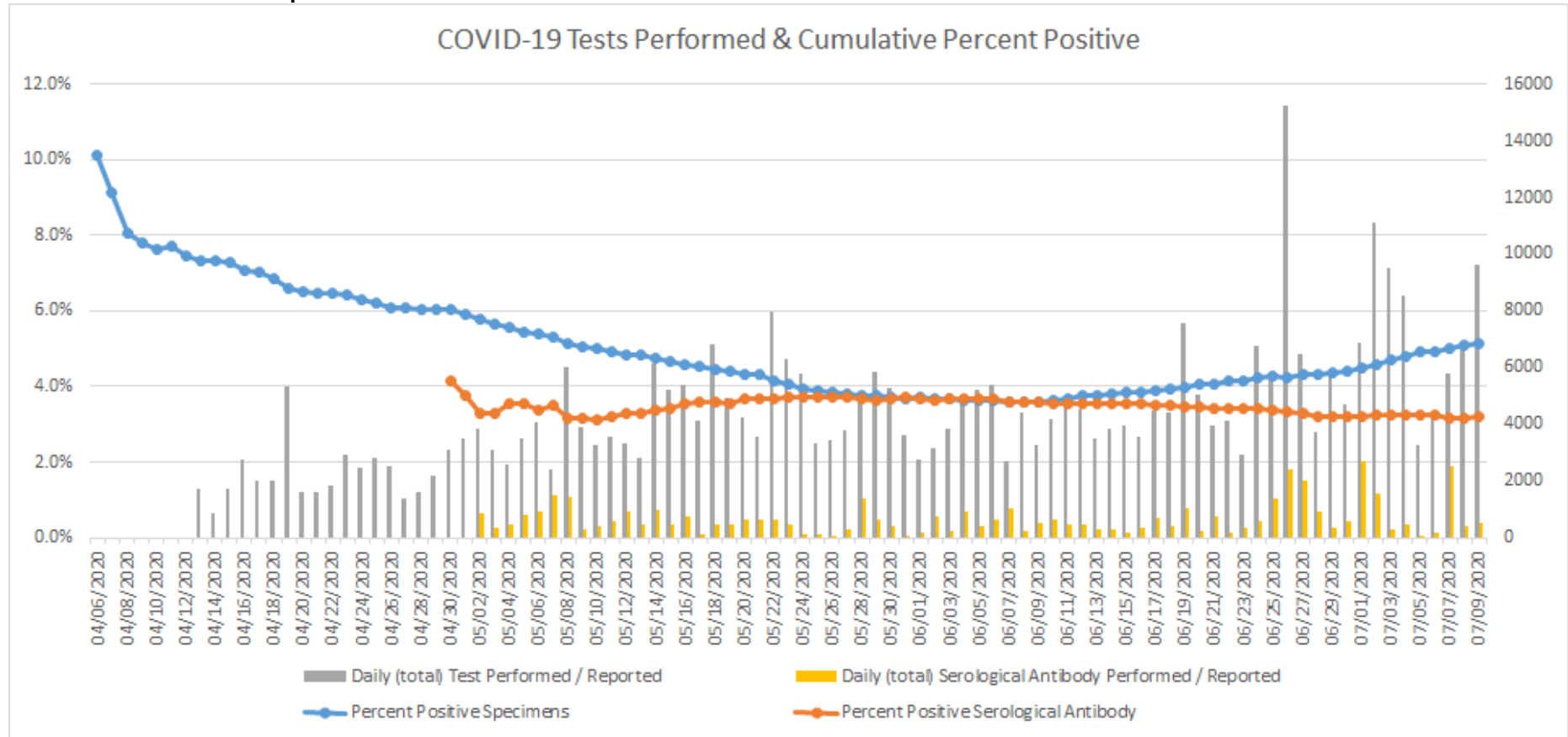
DISEASE TESTING

	July 3 – July 9	Total Number
Specimens tested ¹ , count	47,908	414,197
Specimens positive, count (%)	4,624 (9.7%)	21,345 (5.2%)
Antibody tested, count	4,459	49,472
Antibody positive, count (%)	127 (2.8%)	1,592 (3.2%)

1. Includes state and private laboratories.

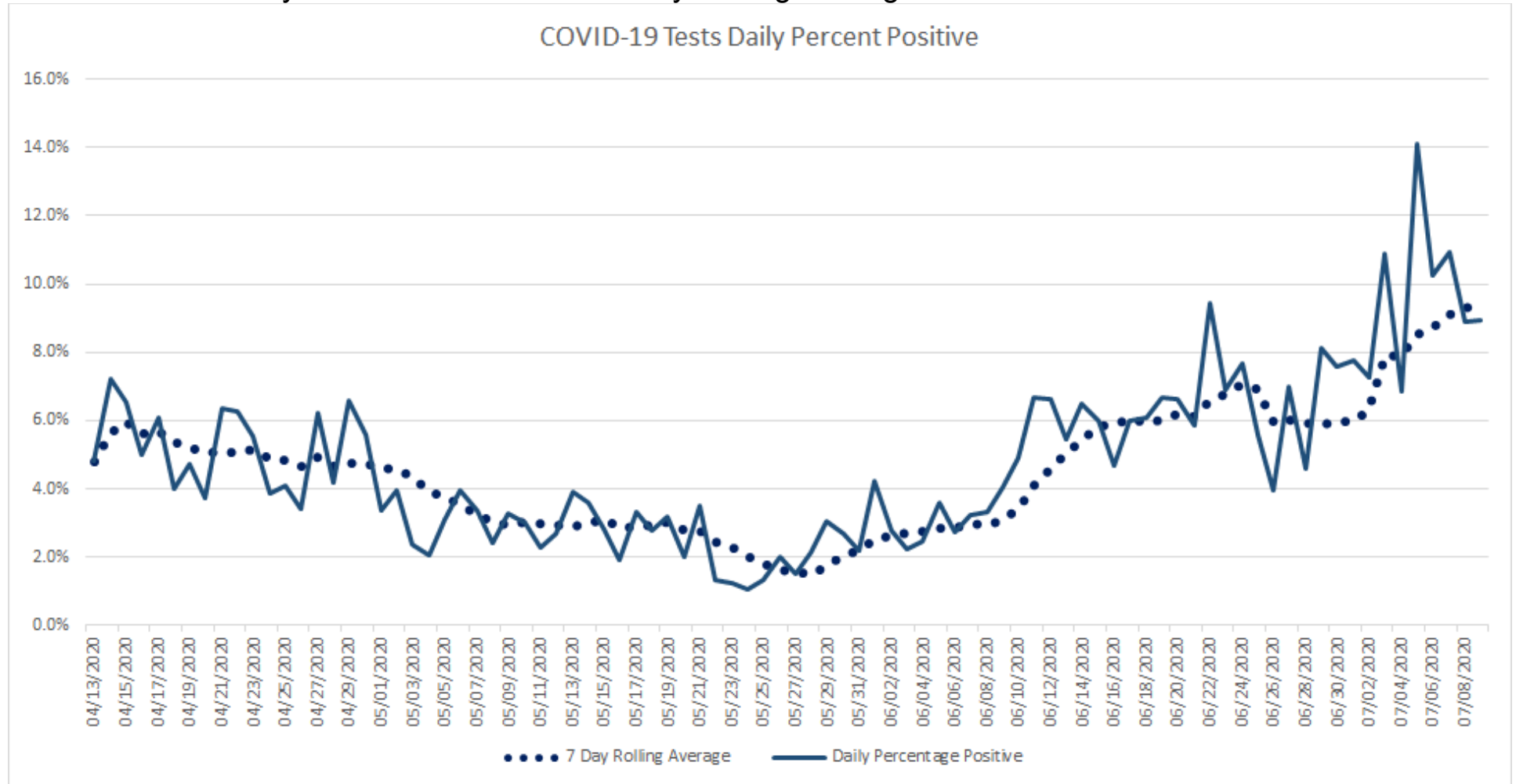
Note: Specimen counts may not reflect unique individuals.

Positive tests as a percent of total tests



Oklahoma, July 9, 2020

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



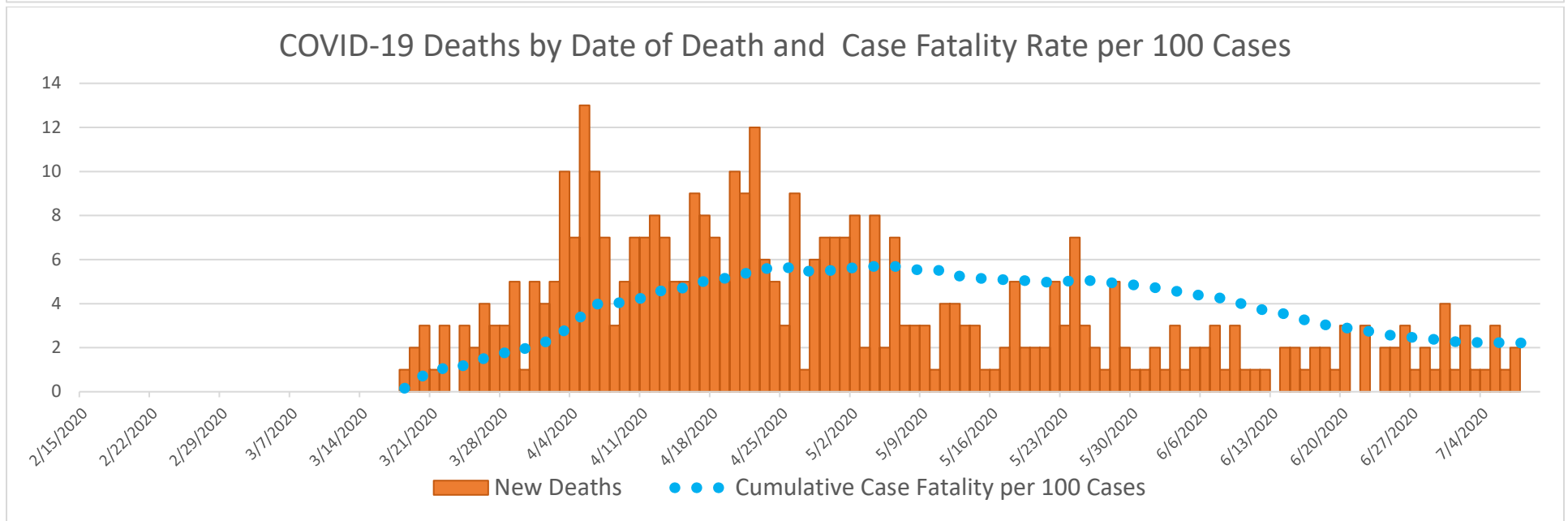
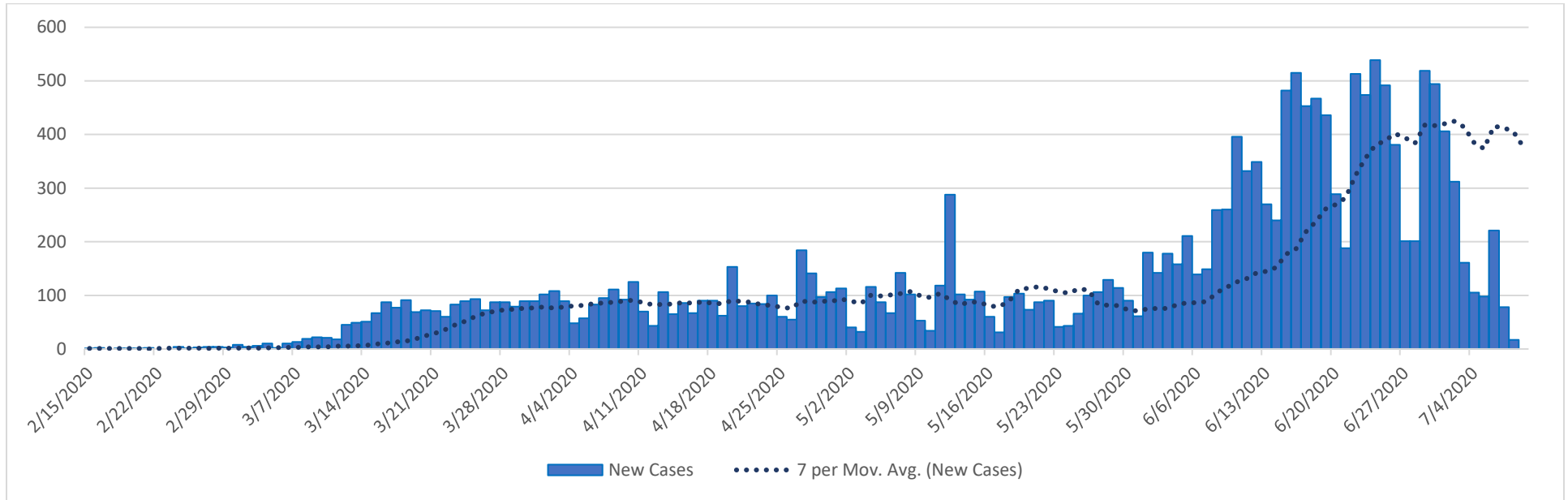
Oklahoma, July 9, 2020

EPIDEMIOLOGICAL ESTIMATES

	Estimate	Notes / Interpretation
Cases		
Cumulative incidence	469.1 (per 100,000 persons)	From March 7 to July 9, there were about 469 (per 100,000) new cases of COVID-19 in Oklahoma.
Absolute change in cumulative incidence from previous week	34.6 (per 100,000 persons)	Compared to June 26 – July 2, there was 34 (per 100,000) more cases of COVID-19 reported in Oklahoma during the past week (July 3 - July 9).
Disease Severity		
Case-fatality risk (crude)	2.2%	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.
Cumulative Hospitalization rate (overall)	48.1 (per 100,000 persons)	About 48 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 9, 2020.

Please note the different axes for new cases (top—from 0 to 600 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)

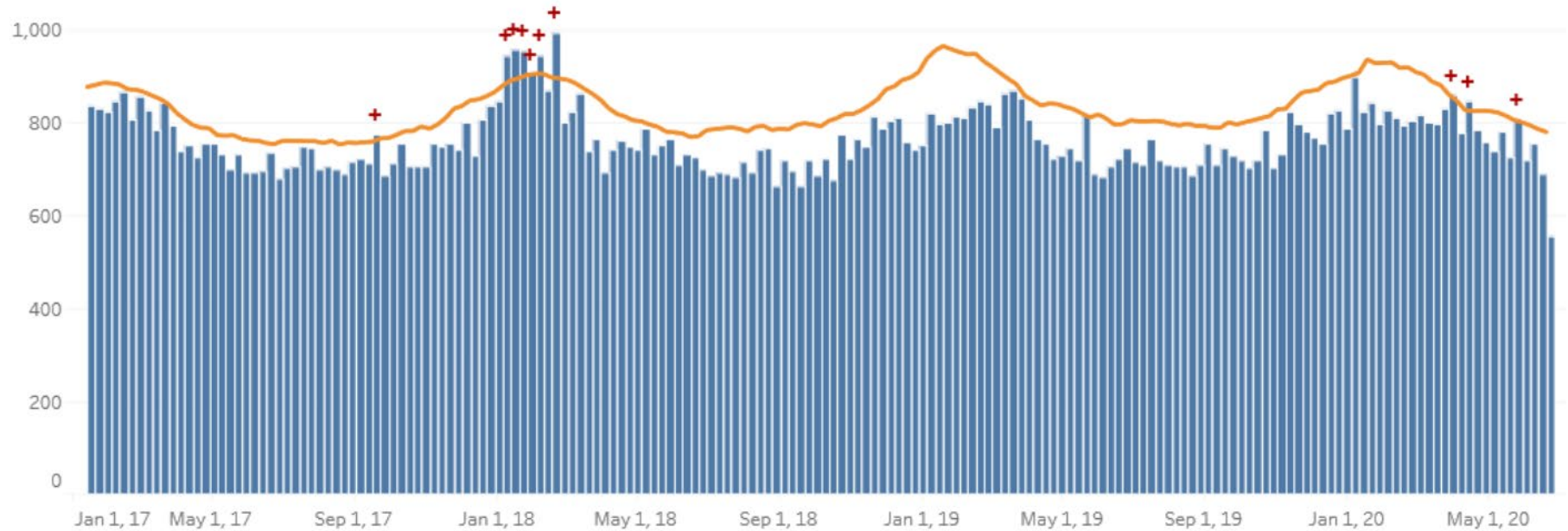
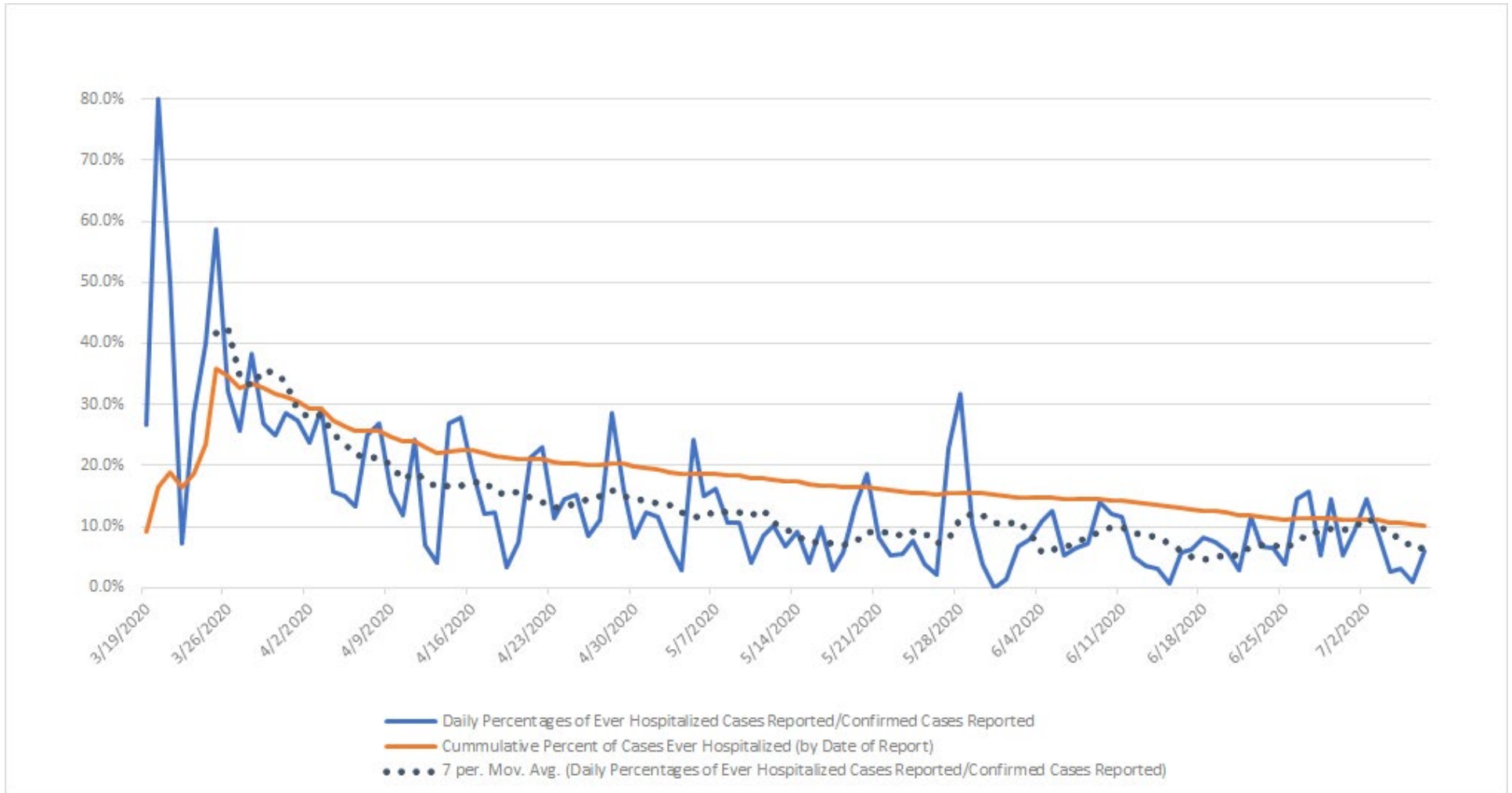


Figure notes: Contains data up to the week-ending date of June 20, 2020. Data in recent weeks are incomplete. Only 60% of the death records are submitted to NCHS within 1-days of the date of death, and completeness varies by jurisdiction.

Source: CDC, National Center for Health Statistics, https://www.cdc.gov/nchs/nvss/vsrr/covid19/excess_deaths.htm#dashboard, July 9, 2020 9am

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}	9,003	3 days	0-10 days
Time from Symptom Onset to Hospitalization ^{1,3}	1,239	5 days	0-14 days
Length of Hospitalization Discharged Alive ⁴	1,013	5 days	1-17 days
Length of Hospitalization Deceased ⁴	274	8 days	2-24 days
Time from Symptom Onset to Death ^{1,5}	256	14 days	4-32 days

*Data as of July 9, 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 9, 2020

	Cases count (%) ¹	Deaths count (%) ¹	Cumulative Incidence Rate ²	Cumulative Mortality Rate ²
Oklahoma	18,496	410	469.1	10.4
Gender				
Male	9,087 (49.1)	211 (51.5)	465.3	10.8
Female	9,409 (50.9)	199 (48.5)	472.8	10.0
Age group				
Under 1- 4	339 (1.8)	0 (0.0)	130.2	
5-14	778 (4.2)	0 (0.0)	144.6	
15-24	3,216 (17.4)	1 (0.2)	598.0	0.2
25-34	3,580 (19.4)	4 (1.0)	659.0	0.7
35-44	3,080 (16.7)	4 (1.0)	628.1	0.8
45-54	2,504 (13.5)	19 (4.6)	544.0	4.1
55-64	2,166 (11.7)	54 (13.2)	439.0	10.9
65-74	1,386 (7.5)	108 (26.3)	386.5	30.1
75-84	879 (4.8)	101 (24.6)	468.3	53.8
85+	553 (3.0)	119 (29.0)	755.5	162.6
Unknown	15 (0.1)	0 (0.0)		
Race				
American Indian or Alaska Native	1,309 (7.1)	30 (7.3)	426.1	9.8
Asian or Pacific Islander	1,358 (7.3)	8 (2.0)	1,533.5	9.0
Black or African American	1,392 (7.5)	29 (7.1)	483.9	10.1
Multiracial/Other	728 (3.9)	11 (2.7)	175.9	2.7
White	10,423 (56.4)	310 (75.6)	366.2	10.9
Unknown	3,286 (17.8)	22 (5.4)		
Ethnicity				
Hispanic or Latino	3,836 (20.7)	17 (4.1)	894.0	4.0
Not Hispanic or Latino	11,280 (61.0)	354 (86.3)	321.0	10.1
Unknown	3,380 (18.3)	39 (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	3,879 (22.8)	107 (7.4)
Deceased	404 (2.4)	6 (0.4)
Recovered	12,759 (74.9)	1,341 (92.2)
Total	17,042	1,454

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

1. Data as of July 9, 2020

CASES & DEATHS BY LONG-TERM CARE AND CORRECTIONAL FACILITIES

	Cases	Deaths
LTCF^{1,2}		
Residents	1,129	209
Staff	677	3
Total	1,806	212
Correctional Facilities^{2,3}		
Inmates	390	2
Staff	71	0
Total	461	2

1. Long term care facility or nursing home

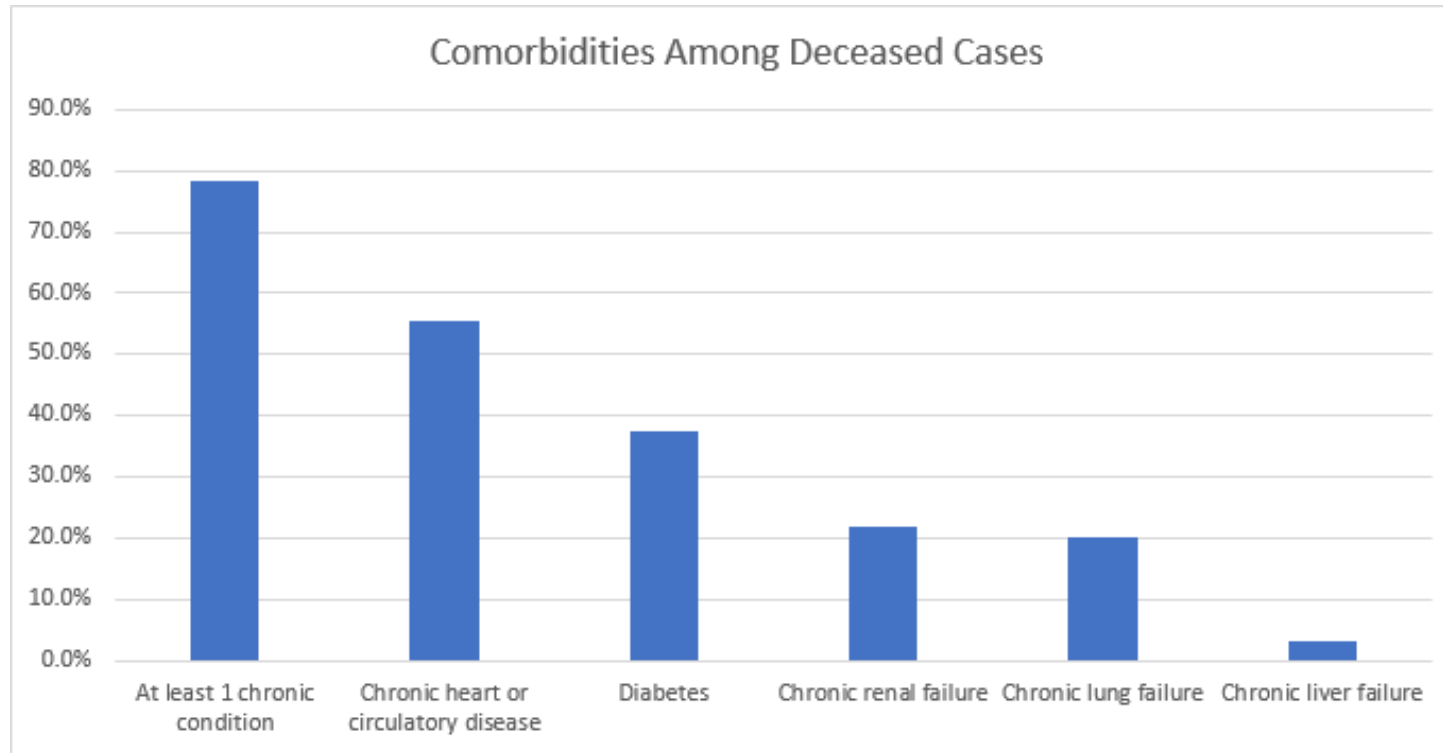
2. Data as of July 9, 2020.

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

COMORBIDITIES AMONG DECEASED CASES

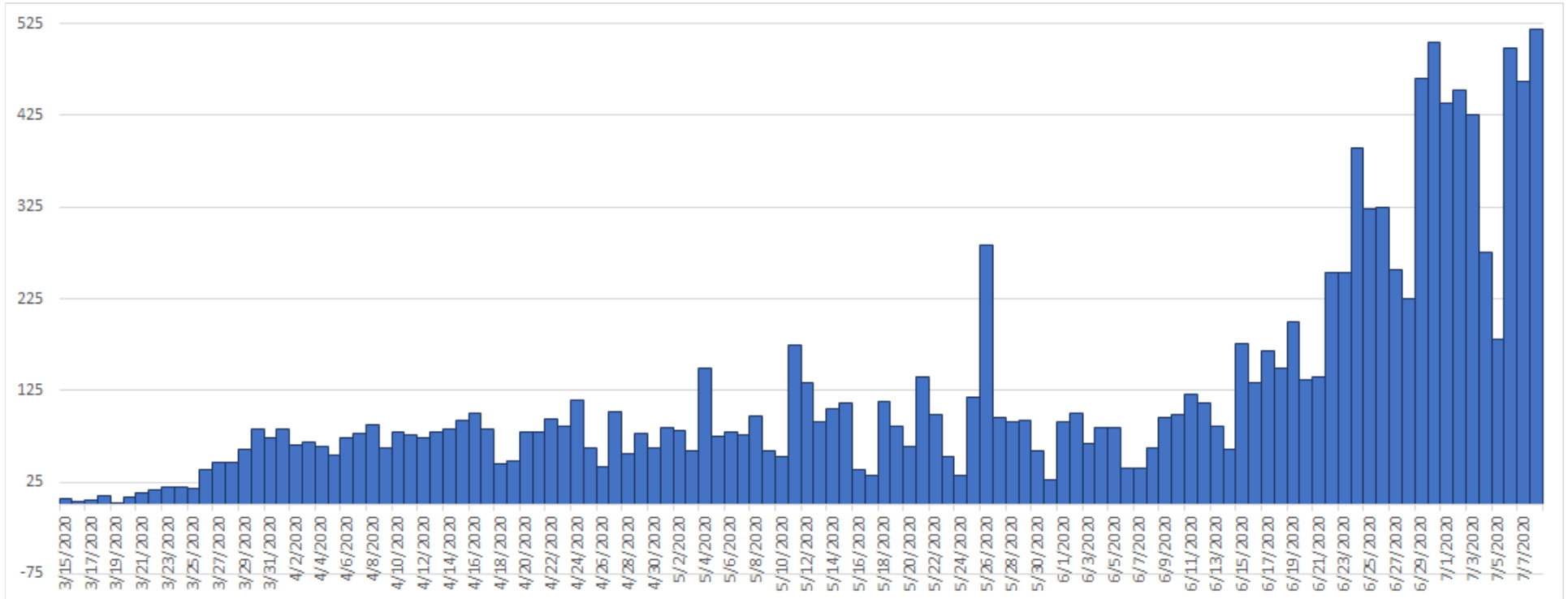
Comorbidities	Number (%)
At least 1 chronic condition*	321 (78.3)
Chronic heart or circulatory disease	228 (55.6)
Diabetes	153 (37.3)
Chronic renal failure	89 (21.7)
Chronic lung failure	82 (20.0)
Chronic liver failure	13 (3.2)

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



RECOVERED CASES

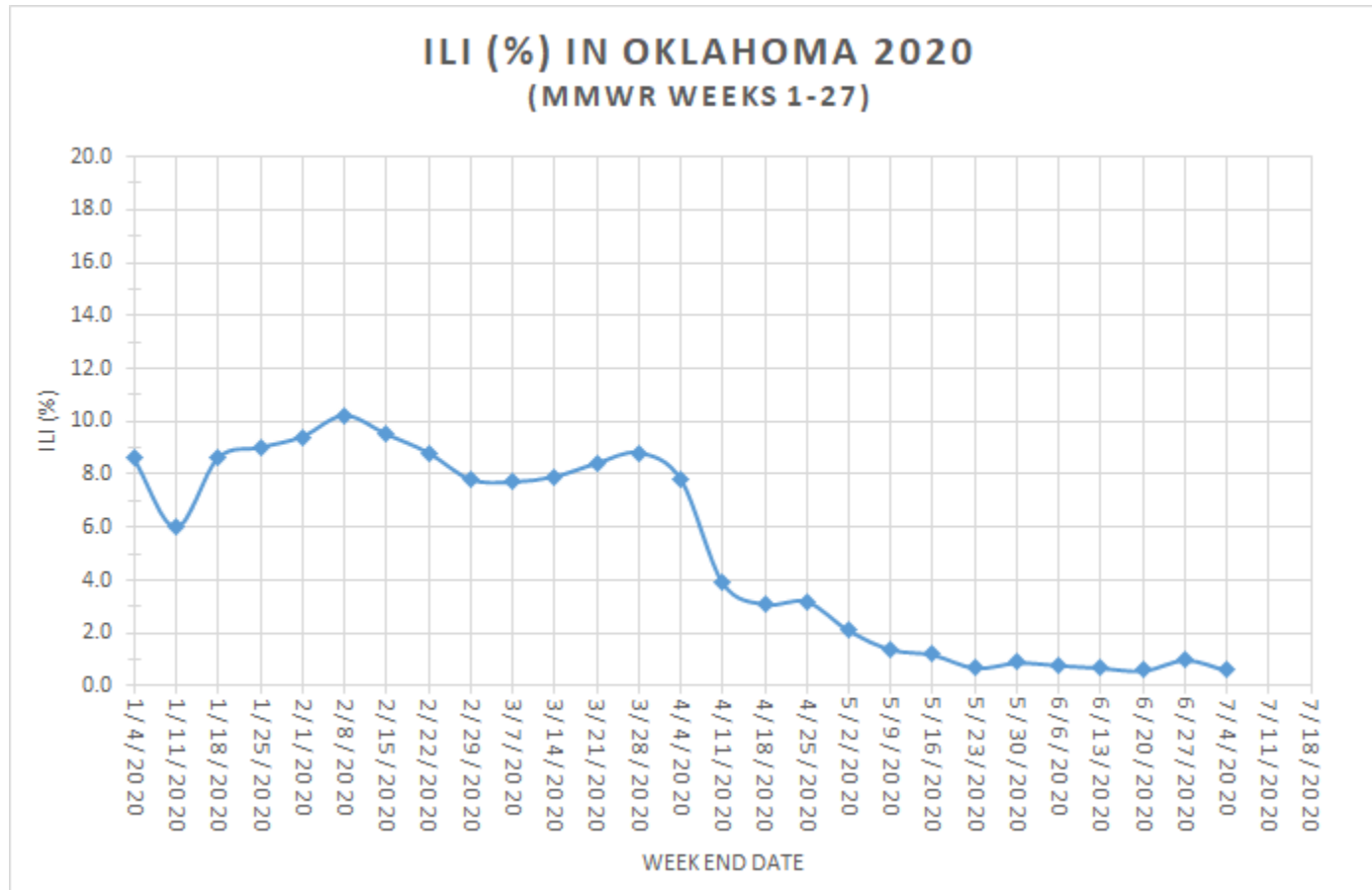
Distribution of **recovered cases of COVID-19**, March-July 2020, Oklahoma



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

Symptoms Criteria

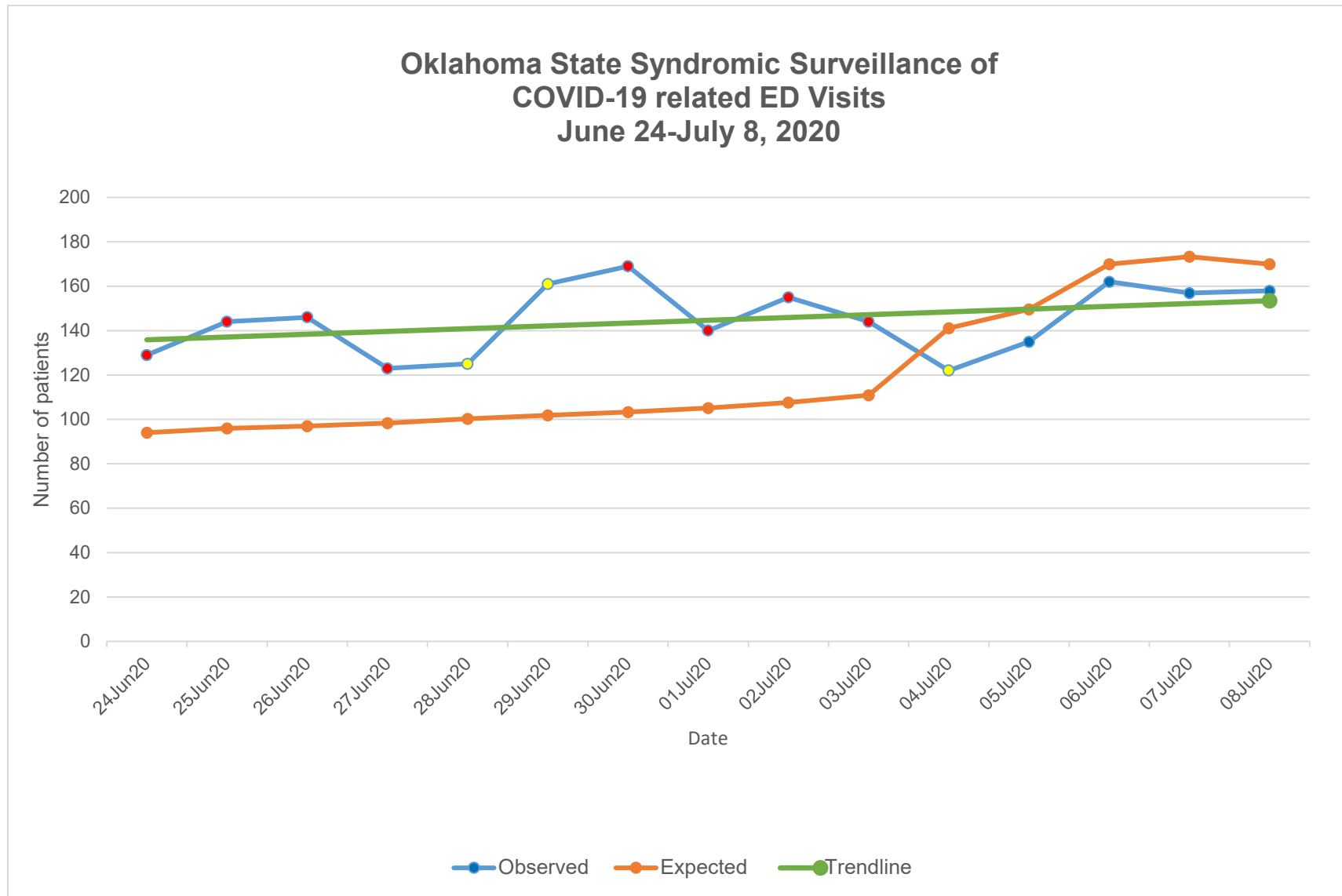
Weekly percentage of **Influenza-Like Illness (ILI)** (%), Morbidity and Mortality Weekly Report, Oklahoma, Jan–July 2020



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.

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COVID-19 Related Emergency Department Visits

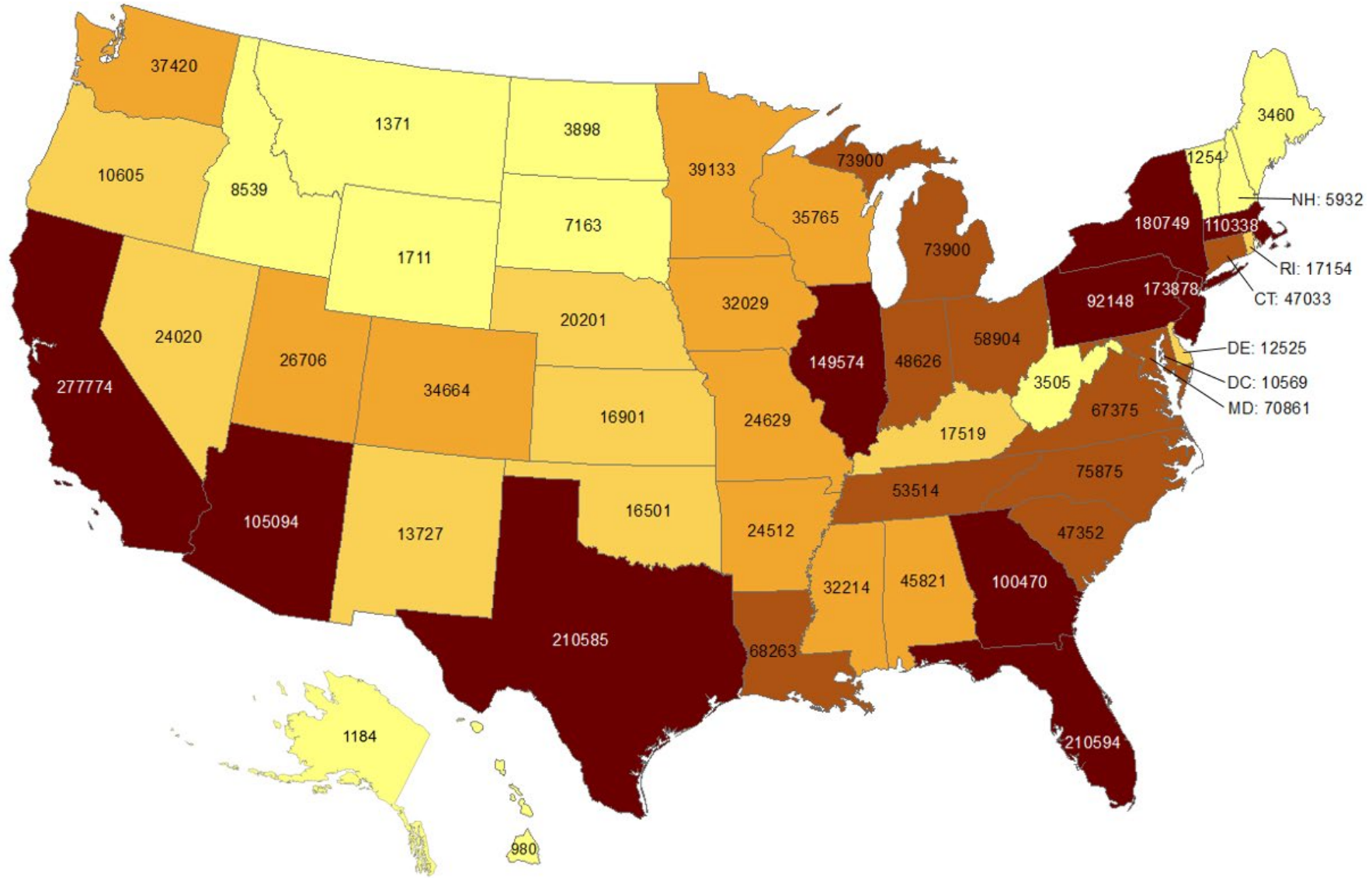


Interpretation: Data from syndromic surveillance shows an increase in the number of COVID-19 related emergency department visits in the past 2 weeks. COVID-19 related ED visits were significantly higher than expected for 8 days in the previous 14-day period as indicated by the red dots on observed line.

OKLAHOMA IN COMPARISON

Total number of reported COVID-19 cases

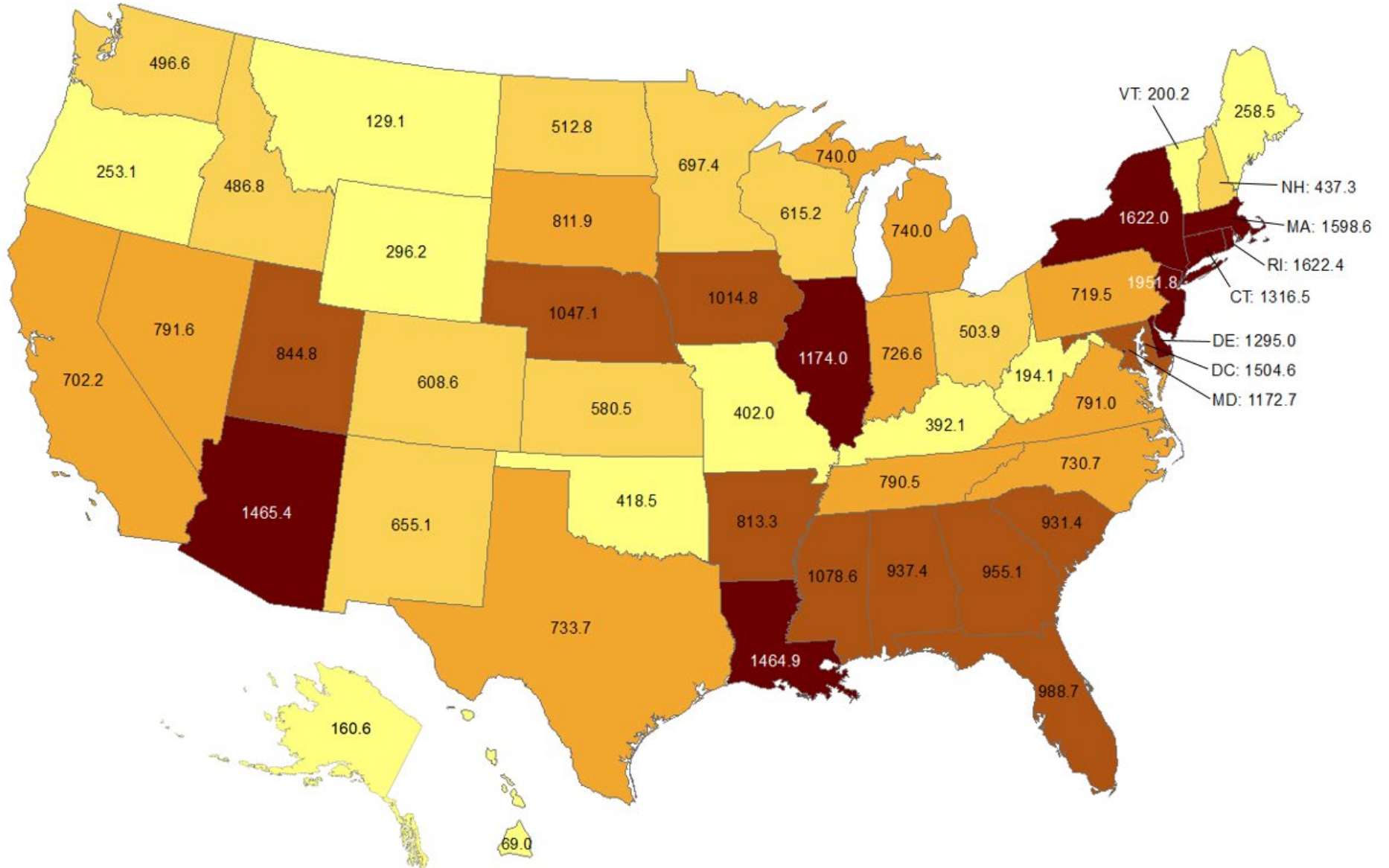
Oklahoma ranks **36** (out of all States and DC) in the total number of reported COVID-19 cases in the US.



Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of July 8, 2020

Cumulative incidence of reported COVID-19 cases

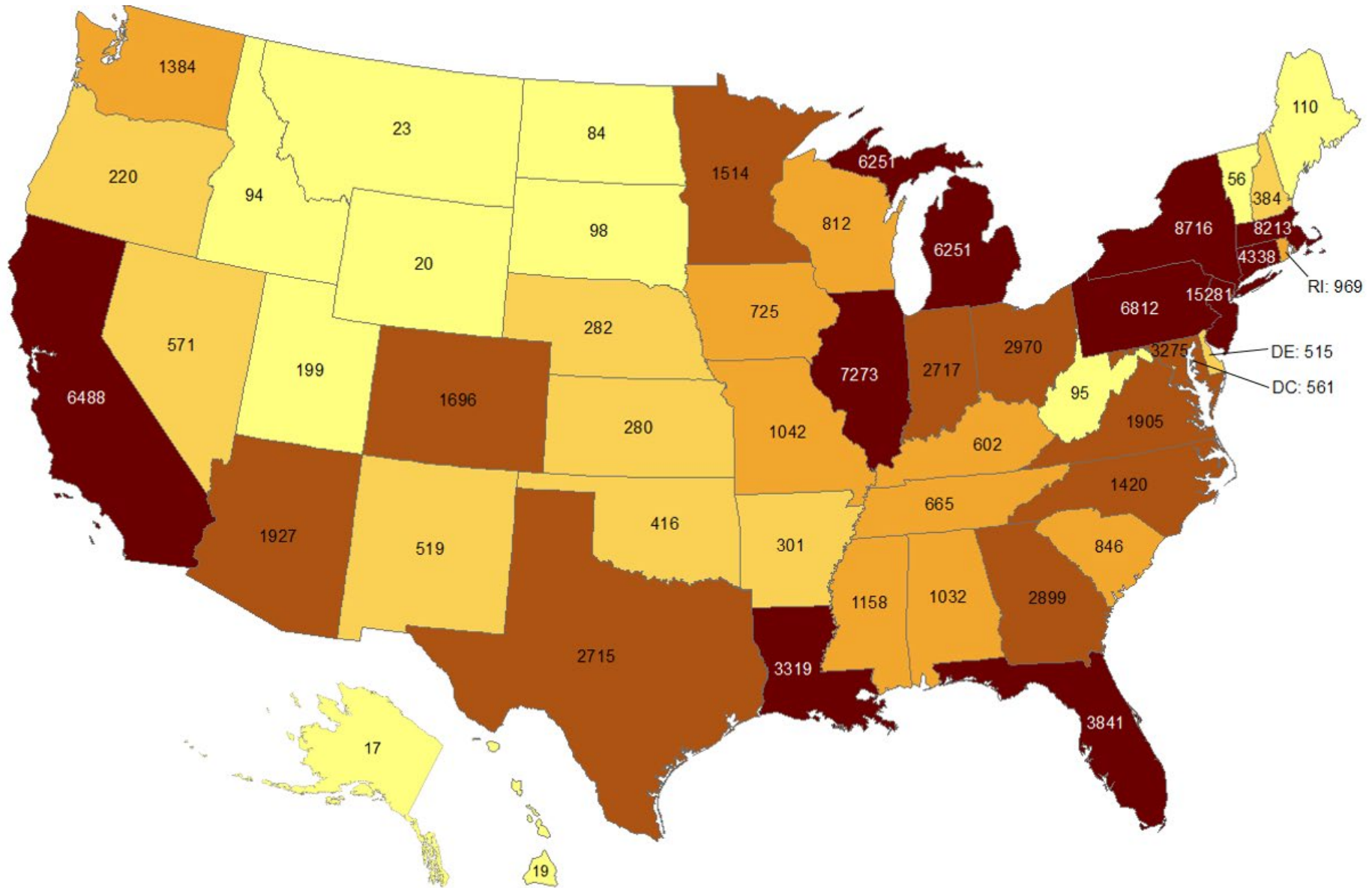
Oklahoma ranks **41** (out of all States and DC) in the cumulative incidence (per 100,000 persons) of reported COVID-19 cases in the US.



Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>
Data as of July 8, 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.



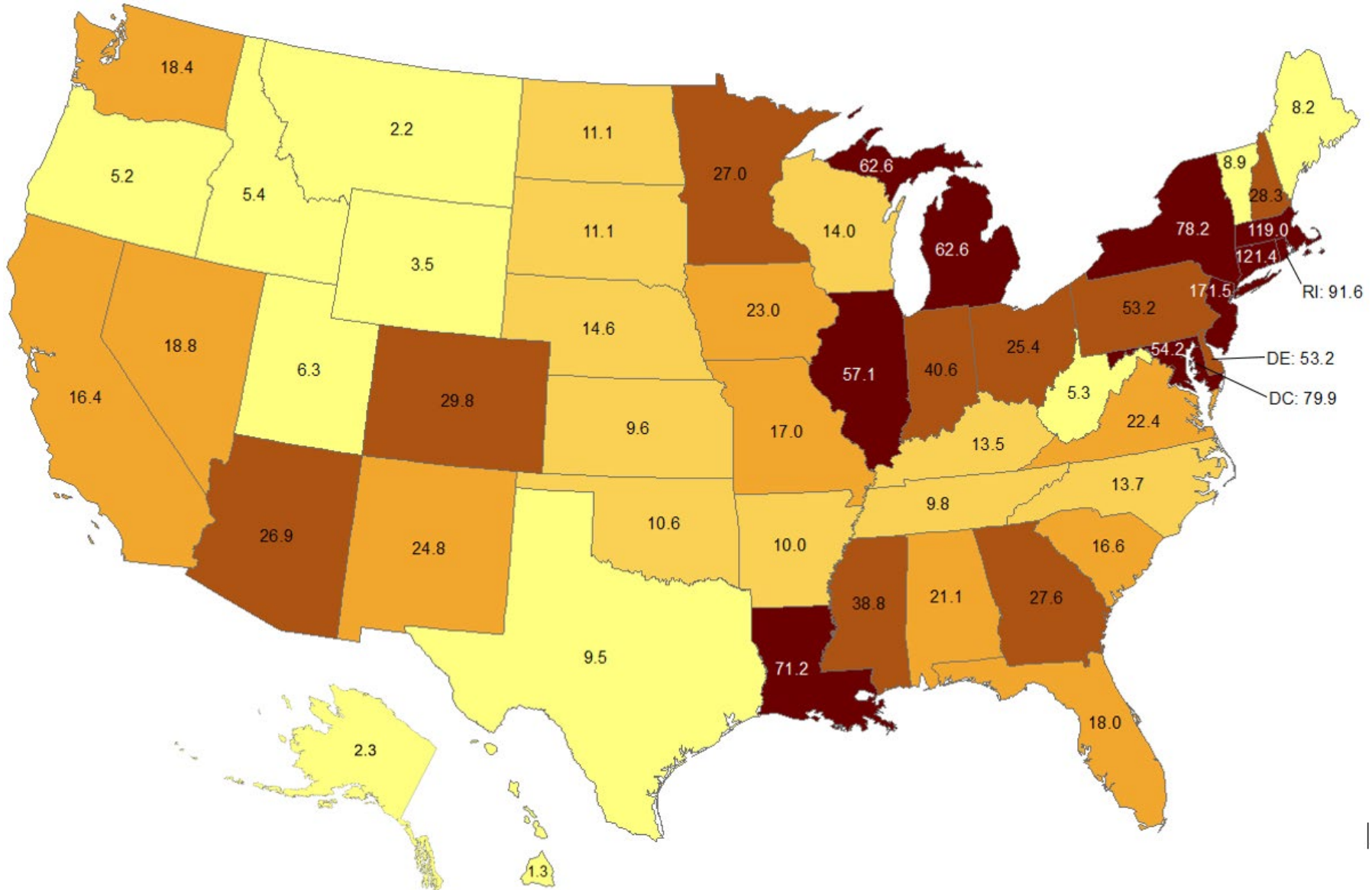
Data from CDC. Available at <https://www.cdc.gov/covid-data-tracker/index.html>

Data as of July 8, 2020

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

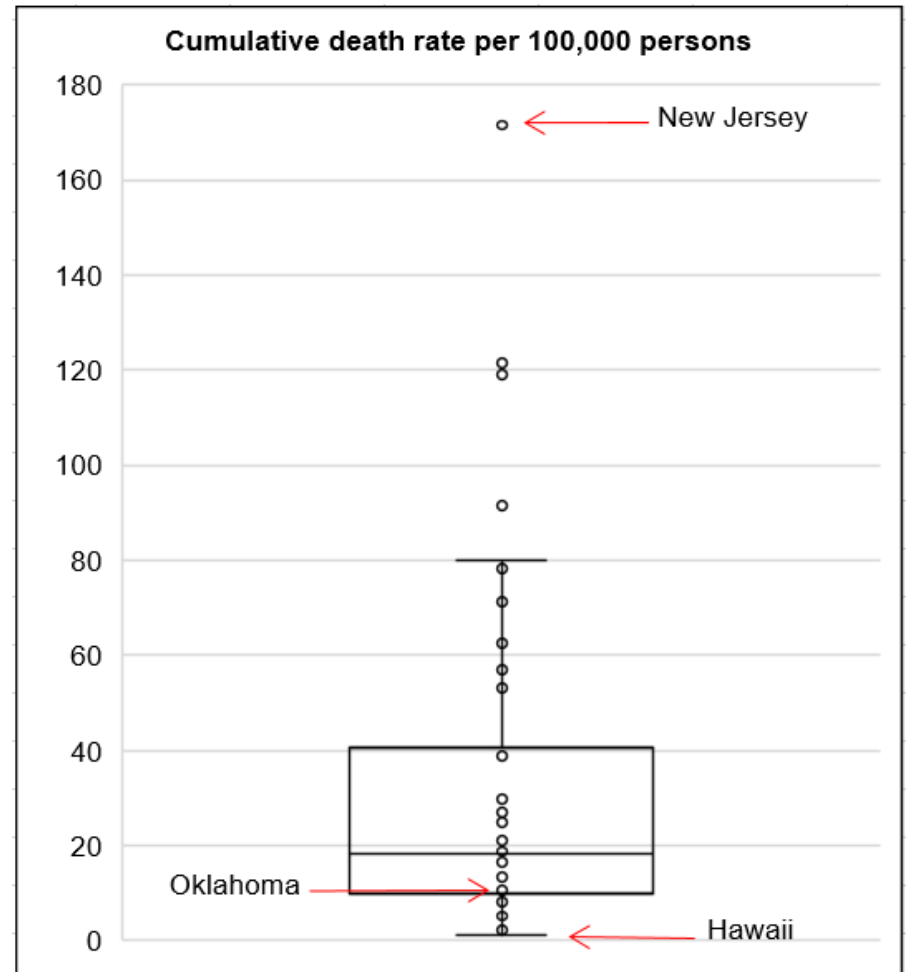
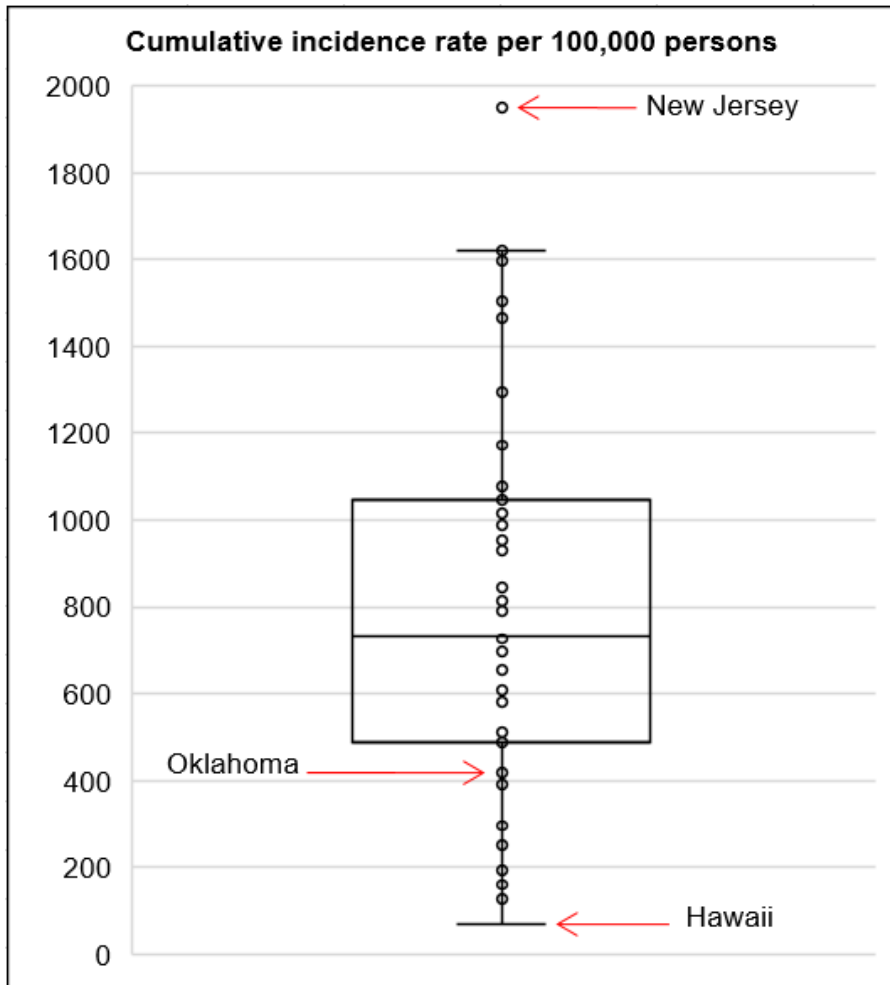
Cumulative death rate of reported COVID-19 cases

Oklahoma ranks **37** (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 8, 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.