CUMULATIVE COVID-19 CASES per 100,000 between July 26, 2020 - August 01, 2020

CLICK HERE FOR DAILY DHSS DATA

CLICK HERE FOR STATEWIDE HOSPITAL RESOURCE AVAILABILITY

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Map county values:
- Howard 454
- Audrain 780
- Boone 707
- Montgomery 405
- Cooper 539
- Callaway 286
- Moniteau 893
- Cole 418
- Osage 309
- Gasconade 210
- Morgan 338
- Miller 409
- Camden 691

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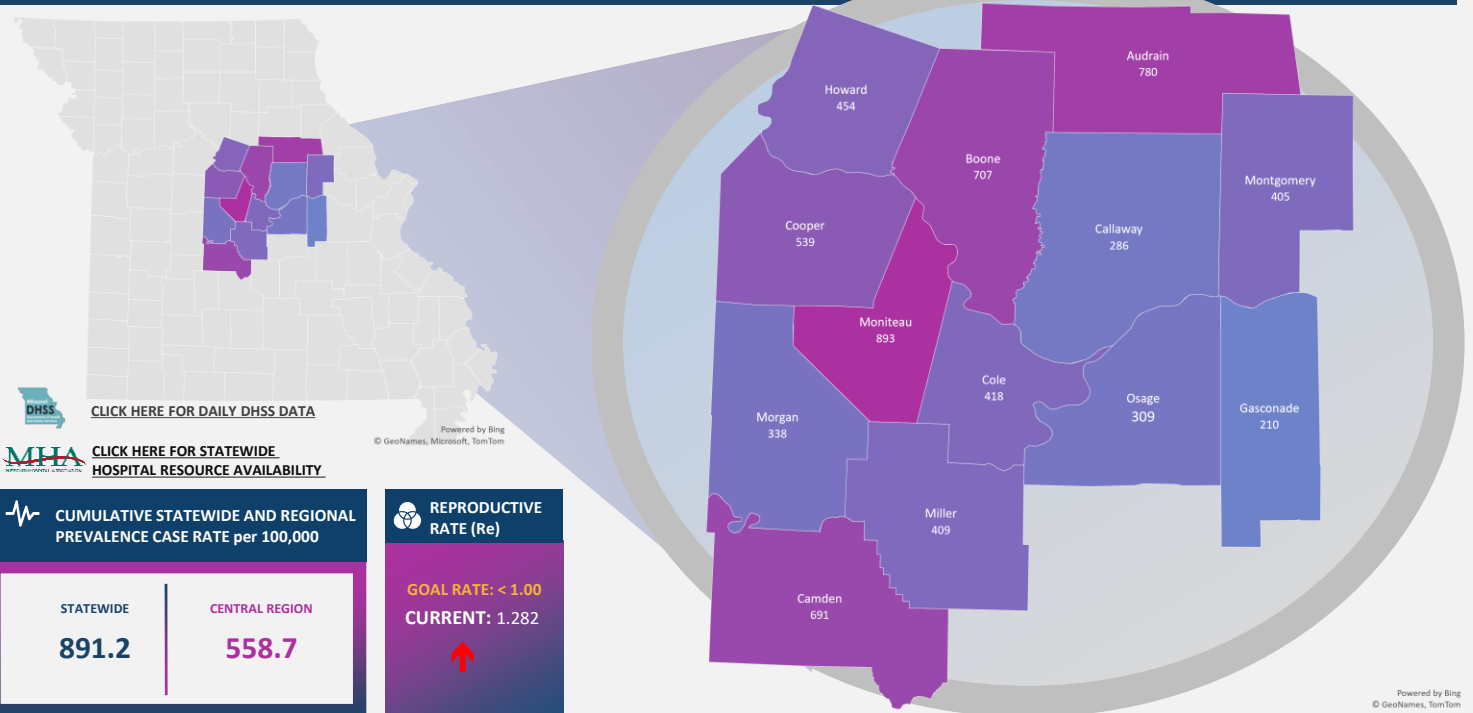
CUMULATIVE STATEWIDE AND REGIONAL PREVALENCE CASE RATE per 100,000

STATEWIDE	CENTRAL REGION
891.2	558.7

REPRODUCTIVE RATE (Re)
GOAL RATE: < 1.00
CURRENT: 1.282

PROJECTED COVID-19 HOSPITALIZATIONS IN THE CENTRAL REGION

Legend: Median — Base Case (5th Percentile) — Base Case (95th Percentile) — Hospitalized COVID-19 cases (NHSN) — Hospitalized COVID-19 cases (EMResource)
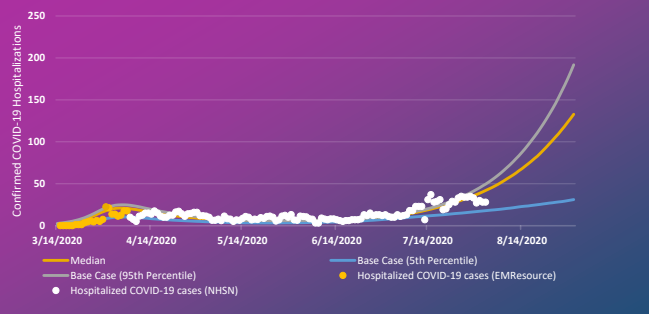
CUMULATIVE COVID-19 CASES AND DEATHS IN THE CENTRAL REGION

Legend: Cases — Deaths
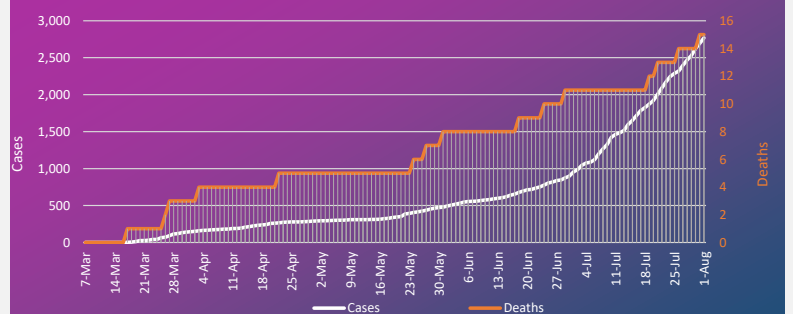
GOOGLE MOBILITY INDEX: RECREATION AND RETAIL TRAVEL IN THE CENTRAL REGION

0.7%

Legend: Mobility — Forecast — Lower Bound — Upper Bound
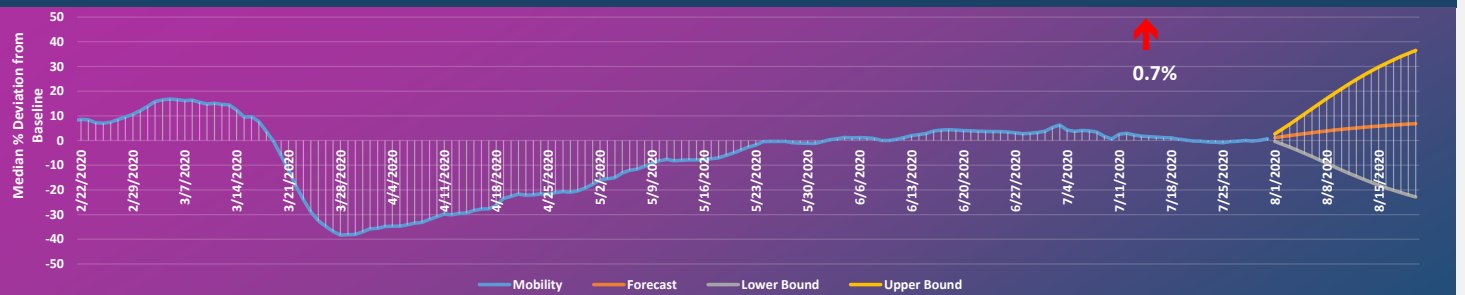
Indicator Label: % increase/decrease in mobility compared to baseline; above baseline = red up arrow; below baseline = green down arrow.

ONE WEEK DIFFERENCE IN THE CENTRAL REGION

Hospitalizations*	Ventilated*	New Admissions*	New Cases**	Deaths**
14	6	0	27	-1

COVID-19 HOSPITALIZED AND VENTILATED PATIENTS IN THE CENTRAL REGION

DAYS OF CONSECUTIVE DECLINE: 1

Date	Hospitalized Confirmed	Hospitalized PUI	Ventilated (combined Confirmed and PUI)
3-Jul	17	4	4
4-Jul	11	4	4
5-Jul	12	3	3
6-Jul	12	4	4
7-Jul	24	6	6
8-Jul	15	5	5
9-Jul	22	6	6
10-Jul	25	9	9
11-Jul	28	5	5
12-Jul	30	4	4
13-Jul	31	4	4
14-Jul	27	3	3
15-Jul	25	10	3
16-Jul	26	11	3
17-Jul	28	14	3
18-Jul	10	2	2
19-Jul	17	3	3
20-Jul	22	10	4
21-Jul	24	21	5
22-Jul	26	10	3
23-Jul	28	16	6
24-Jul	28	18	8
25-Jul	24	11	10
26-Jul	25	15	9
27-Jul	27	15	8
28-Jul	23	14	10
29-Jul	17	12	10
30-Jul	19	6	11
31-Jul	17	9	11
1-Aug	17	7	11

Switch from NHSN to TeleTracking (July 15)

Indicator Label: Green arrow if "Days of Consecutive Decline" is greater than or equal to 7; otherwise, no indicator. Note: Definition of consecutive 7-day decline is across the most current 7 days included in the report. Data includes both confirmed and suspected COVID-19 cases.
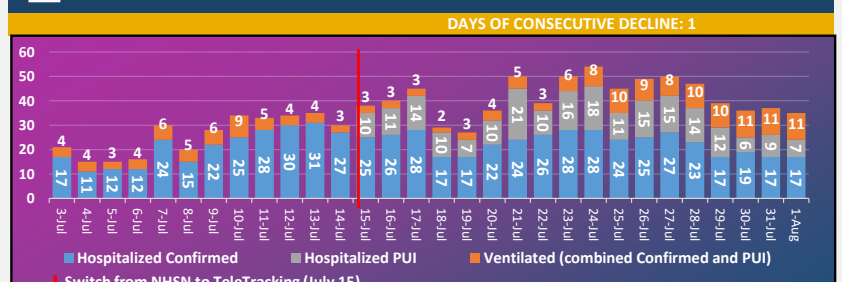
Sources: *NHSN, **DHSS (data lagged 1 week due to limited supply of testing components). DHSS data shows change in totals; NHSN data shows average changes. New admissions is a recently added NHSN measure, and the data are not yet available.

STATEWIDE AND REGIONAL VENTILATOR AVAILABILITY

	STATE		REGIONAL	
	% AVAIL	Total	% AVAIL	Total
Mechanical Ventilators	74% ⬆	2,049	71% ⬆	189

Ventilator availability indicator is based on a published online COVID-19-associated supply target of 22.66 vents per 100,000 population. https://www.nsmedicaldevices.com/analysis/coronavirus-ventilators-global-demand/

STATEWIDE AND REGIONAL BED AVAILABILITY

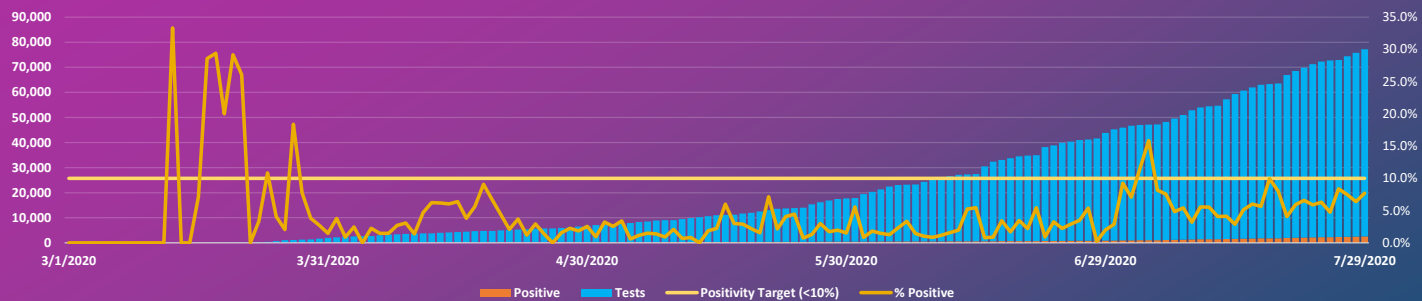|	STATE		REGIONAL	
	% AVAIL	Total	% AVAIL	Total
Total Inpatient Capacity	34% ⬆	18,446	14% ⬇	1,710
Intensive Care Units	36% ⬆	2,851	37% ⬆	275

IP and ICU beds indicator is based on CDC Phases. Phase 1 (<80% full), Phase 2 (<75% full), Phase 3 (<70% full) = green up arrow. Red down arrows for everything else.

AVERAGE STATEWIDE AND REGIONAL PPE AVAILABILITY

Categories	15+ DAYS ON HAND		4-14 DAYS ON HAND		1-3 DAYS ON HAND		0 DAYS ON HAND		REUSE		ABLE TO OBTAIN		# of Hospitals Reporting	
	STATE	REGIONAL	STATE	REGIONAL	STATE	REGIONAL	STATE	REGIONAL	STATE	REGIONAL	STATE	REGIONAL	STATE	REGIONAL
N95 Particulate Respirators	78%	88%	14%	13%	8%	0%	0%	0%	47%	38%	Data Currently Unavailable		81	8
Surgical Masks	73%	88%	14%	13%	4%	0%	9%	0%	35%	25%			79	8
Face Shields & Goggles	73%	71%	17%	29%	9%	0%	0%	0%	43%	29%			77	7
Gloves	68%	75%	15%	25%	15%	0%	1%	0%	4%	0%			79	8
Single-Use Gowns	63%	86%	24%	14%	12%	0%	1%	0%	18%	0%			78	7

Percent of hospitals reporting.

CUMULATIVE COVID-19 TESTING IN THE CENTRAL REGION - March 1, 2020 - July 29, 2020

Legend: Positive | Tests | Positivity Target (<10%) | % Positive

Data lagged additional 7 days due to limited supply of testing components.

STATEWIDE TESTING TARGETS BY REGION DASHBOARD — July 23, 2020 - July 29, 2020- testing data intentionally lagged due to limited supply of testing components

REGION	TESTS	POSITIVE RATE	AVERAGE DAILY TESTS	RECOMMENDED DAILY TESTS	TESTS OVER/UNDER
Central Region	8,055	⬇ 6.7%	1,151	791	360 ⬆
Kansas City, MO Region	22,704	⬇ 9.4%	3,243	2,183	1,060 ⬆
Northeast Region	2,441	⬇ 7.6%	349	286	63 ⬆
Northwest Region	5,057	⬇ 3.1%	722	374	348 ⬆
Saint Louis, MO Region	40,060	⬇ 9.0%	5,723	3,538	2,185 ⬆
Southeast Region	3,541	⬇ 9.5%	506	584	-78 ⬇
Southwest Region	12,549	⬇ 8.5%	1,793	1,926	-133 ⬇
Missouri	94,407	⬇ 8.6%	13,487	9,682	3,805 ⬆

Indicators: Positive rate greater than or equal to 10% = red up arrow; all else = green down arrow. Tests Over/Under: 0 and above = green up arrow; all else = red down arrow.
Data lagged additional 7 days due to limited supply of testing components.

NOTES AND DATA SOURCES

Notes: This dashboard, with a state and regional focus, along with the element of predictive understanding, serves as a tool for better awareness of the COVID-19 pandemic and intends to complement other available information currently used for decision-making. Because the data are reported in near real time, every effort has been made to ensure the completeness and accuracy of this data.

Sources:
Cumulative COVID-19 cases per 100,000, cumulative cases and deaths and cumulative COVID-19 testing results sourced from the Missouri Department of Health and Senior Services WebSurv and global testing data. Daily testing per 100,000 and positivity rate targets sourced from the Harvard Global Health Institute. Displaying Cumulative COVID-19 Cases per 100,000 allows for the comparison of cases by county, region and state, by removing the population variance.

Reproductive Rates and Projected COVID-19 Hospitalizations are modeled by the Institute for Public Health at Washington University. The effective reproductive rate, Re, represents the effective transmission rate for COVID-19. Re calculations consider individuals with potential immunity as well as community wide preventative measures such as social distancing policies. Missouri's model uses a standard SEIR (susceptible, exposed, infectious, recovered) compartmental structure that is based upon a tool called LEMMA (Local Epidemiological Modeling for Management & Action), which was developed by experts from UMass Amherst, UC Berkeley, UCSF and WUSTL. The model focuses on COVID-19 hospitalized cases to directly address the question of hospital capacity and provide a more accurate picture of COVID-19's impact on the health care system.

Confirmed or Suspected Hospitalized and Ventilated Patients, New Admissions, Bed and Ventilator Availability, and PPE Availability sourced by the U.S. Department of Health & Human Services. HHS data is manually reported by hospitals and sourced weekly on Tuesday afternoons to reflect the previous week of data (Sun-Sat). Bed, ventilator and PPE data is averaged by reporting hospitals over the most recent seven days.

Google Mobility Index sourced by "Google COVID-19 Community Mobility Reports."

DATA AND ANALYTICS POWERED BY HIDI