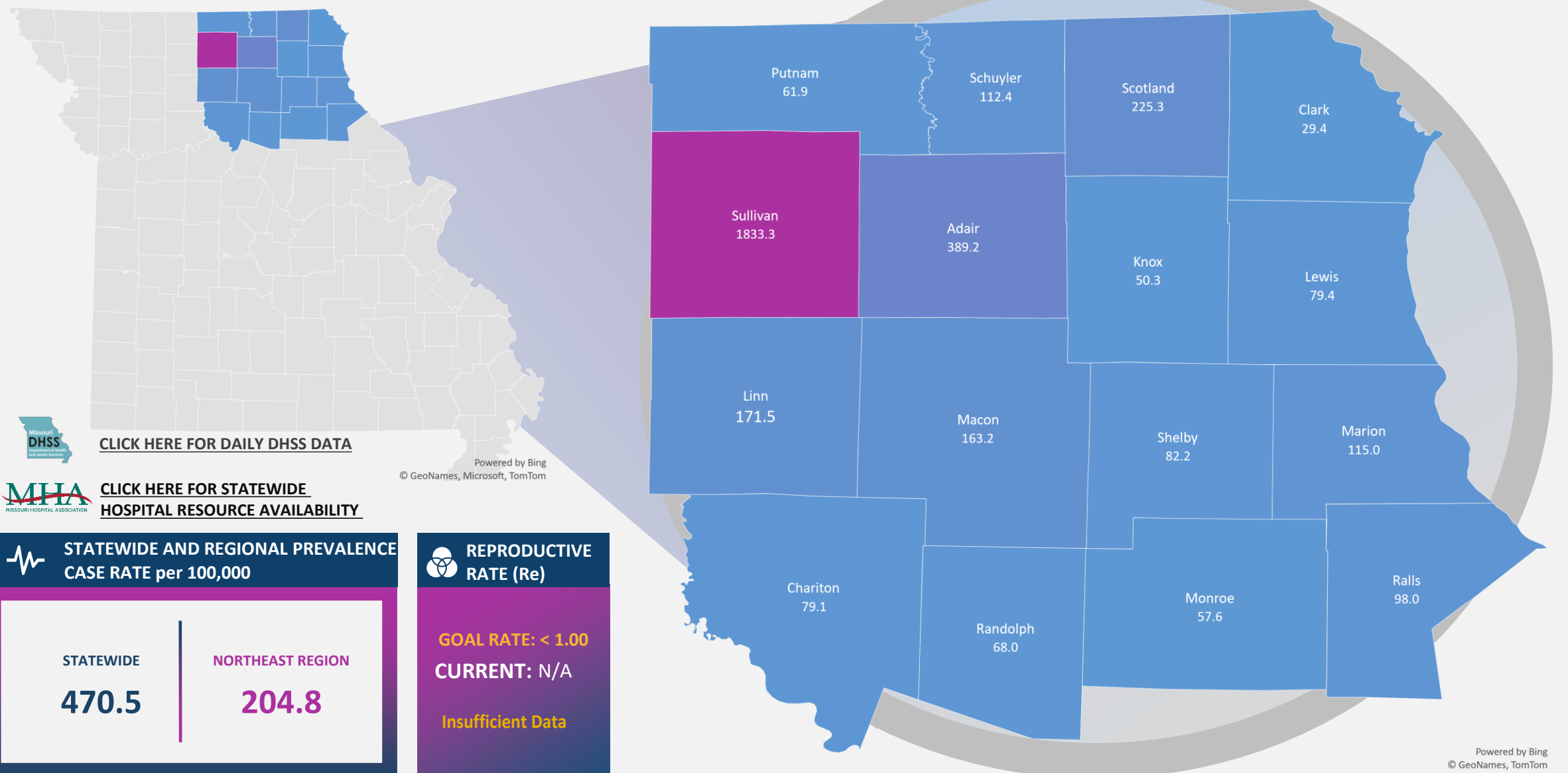




CUMULATIVE COVID-19 CASES per 100,000 between July 05, 2020 - July 11, 2020



STATEWIDE AND REGIONAL PREVALENCE CASE RATE per 100,000

STATEWIDE

470.5

NORTHEAST REGION

204.8



REPRODUCTIVE RATE (Re)

GOAL RATE: < 1.00

CURRENT: N/A

Insufficient Data

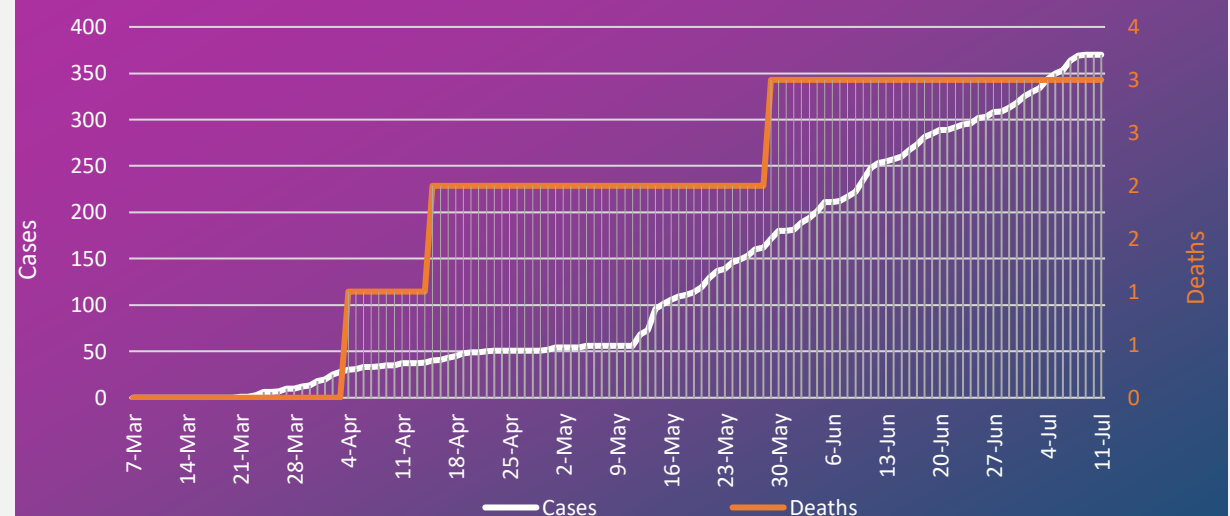


PROJECTED COVID-19 HOSPITALIZATIONS IN THE NORTHEAST REGION

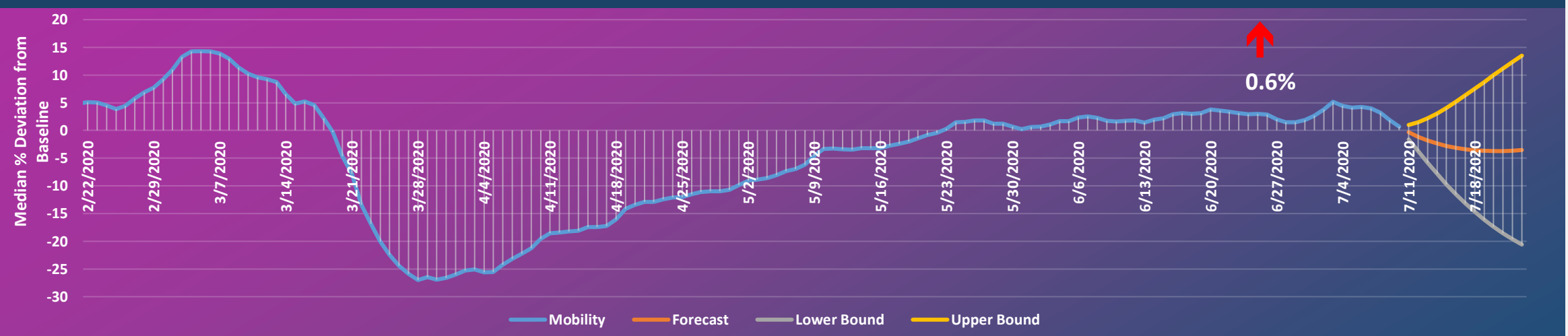
Low levels of daily COVID-19 hospitalizations in the Northeast region limit the ability to generate projections in this region.



CUMULATIVE COVID-19 CASES AND DEATHS IN THE NORTHEAST REGION



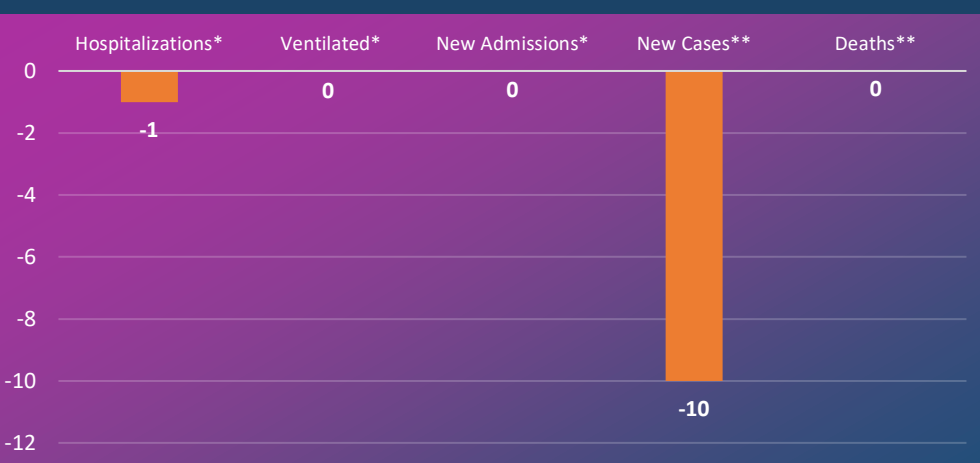
GOOGLE MOBILITY INDEX: RECREATION AND RETAIL TRAVEL IN THE NORTHEAST REGION



Indicator Label: % increase/decrease in mobility compared to baseline; above baseline = red up arrow; below baseline = green down arrow.



ONE WEEK DIFFERENCE IN THE NORTHEAST REGION



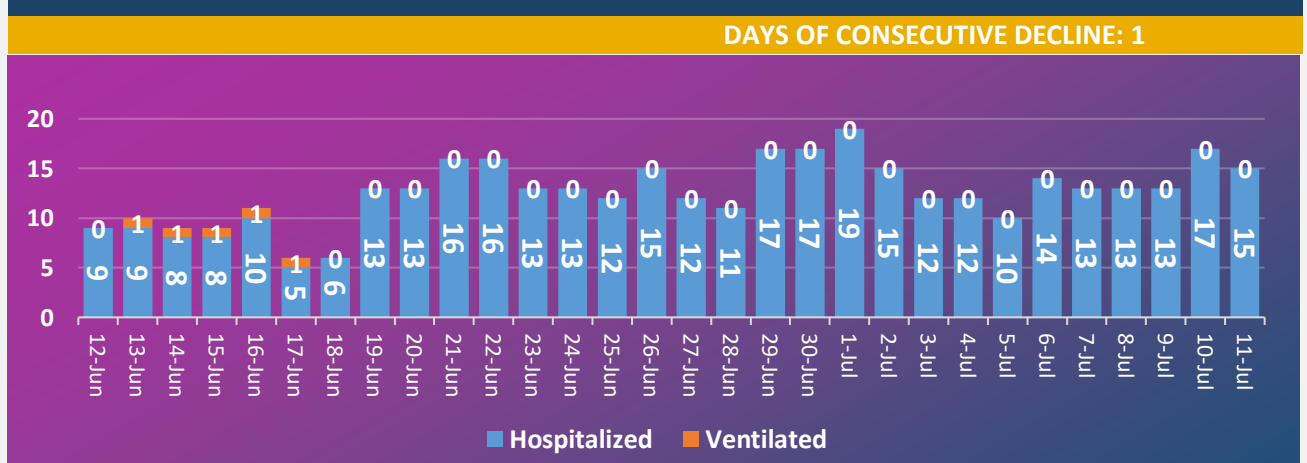
Sources: \*NHSN, \*\*DHSS

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.



COVID-19 HOSPITALIZED AND VENTILATED PATIENTS IN THE NORTHEAST REGION



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.



## STATEWIDE AND REGIONAL VENTILATOR AVAILABILITY

	STATE		REGIONAL	
	% AVAIL	Total	% AVAIL	Total
Mechanical Ventilators	79% ↑	2,821	98% ↑	60

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	31% ↑	17,291	52% ↑	297
Intensive Care Units	43% ↑	2,881	63% ↑	30

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.



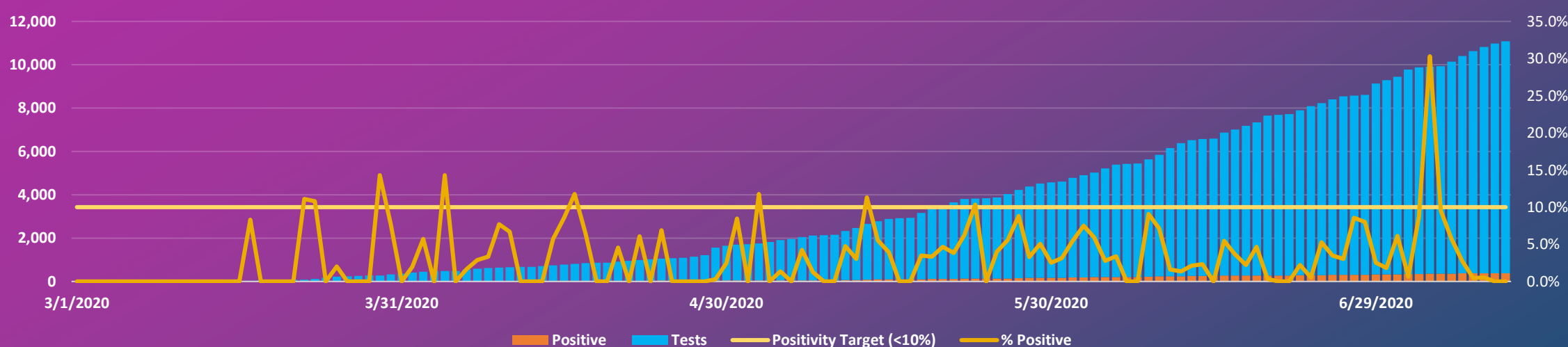
## AVERAGE STATEWIDE AND REGIONAL PPE AVAILABILITY

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	69%	83%	25%	17%	4%	0%	2%	0%	100%	100%	74%	50%	43	6
Surgical Masks	73%	67%	24%	33%	2%	0%	0%	0%	100%	67%	100%	67%	43	6
Face Shields & Goggles	73%	100%	25%	0%	2%	0%	0%	0%	100%	88%	81%	100%	43	6
Gloves	81%	83%	17%	17%	2%	0%	0%	0%	10%	0%	100%	100%	45	6
Single-Use Gowns	63%	83%	33%	17%	4%	0%	0%	0%	40%	29%	100%	100%	43	6

Percent of hospitals reporting.



## CUMULATIVE COVID-19 TESTING IN THE NORTHEAST REGION



## STATEWIDE TESTING TARGETS BY REGION DASHBOARD — July 05, 2020 - July 11, 2020

REGION	TESTS	POSITIVE RATE	AVERAGE DAILY TESTS	RECOMMENDED DAILY TESTS	TESTS OVER/UNDER
Central Region	6,869	↓ 1.4%	981	791	190 ↑
Kansas City, MO Region	12,305	↓ 2.4%	1,758	2,183	-425 ↓
Northeast Region	1,132	↓ 1.9%	162	286	-124 ↓
Northwest Region	2,851	↓ 1.5%	407	374	33 ↑
Saint Louis, MO Region	23,709	↓ 1.8%	3,387	3,538	-151 ↓
Southeast Region	2,891	↓ 3.3%	413	584	-171 ↓
Southwest Region	9,159	↓ 2.3%	1,308	1,926	-618 ↓
Missouri	58,916	↓ 2.1%	8,417	9,682	-1,265 ↓

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.



## 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,  $R_e$ , represents the effective transmission rate for COVID-19.  $R_e$  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 National Healthcare Safety Network. NHSN 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."