



Presentation Supporting a Mask Order for Transportation, Infrastructure and Operations Committee - August 18, 2021

Presented by:

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@KCMOHealthDept

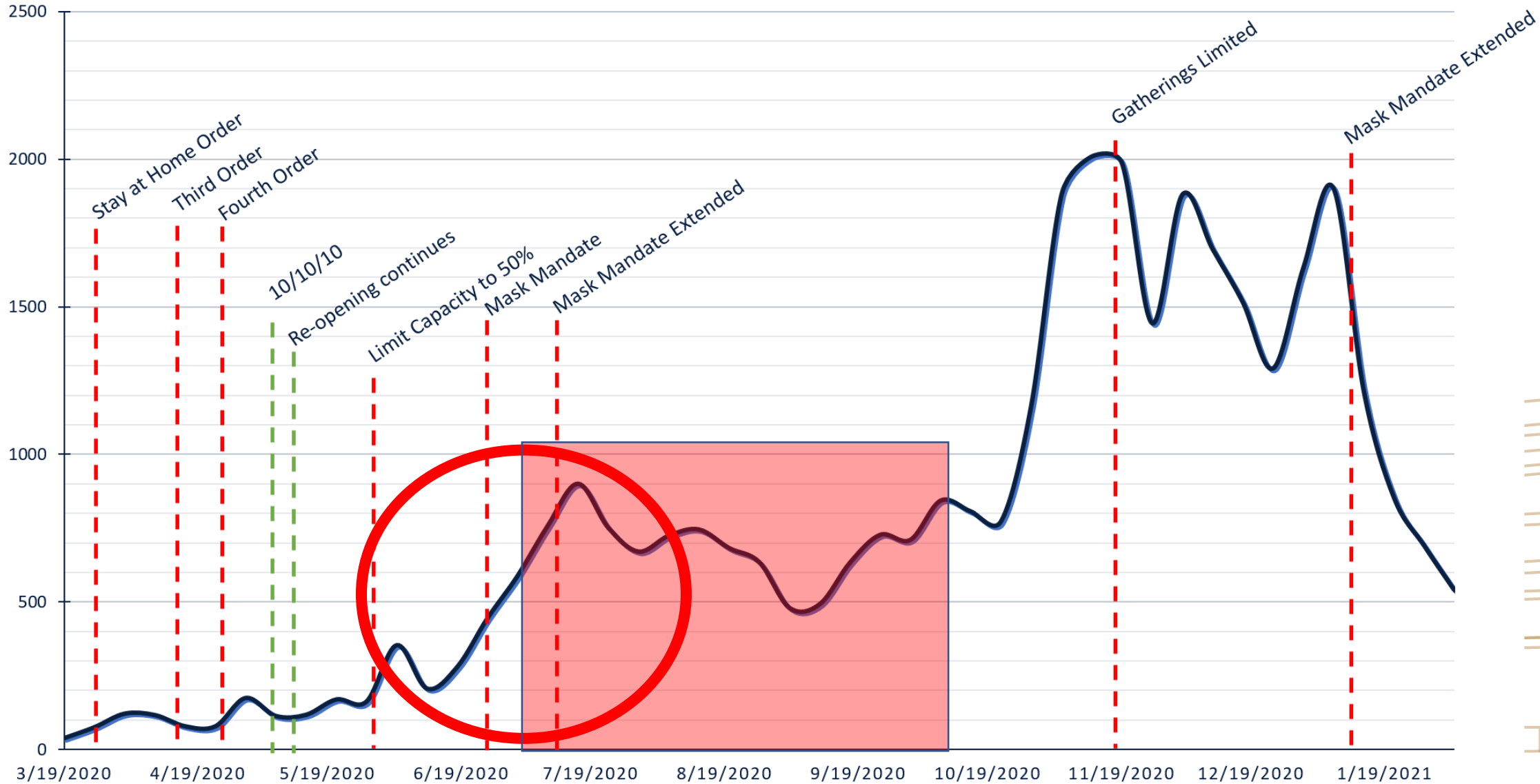
- Data presented during this presentation is provisional in nature due to data lag within reporting institutions. All attempts have been made to provide accurate information as of the time of this presentation.



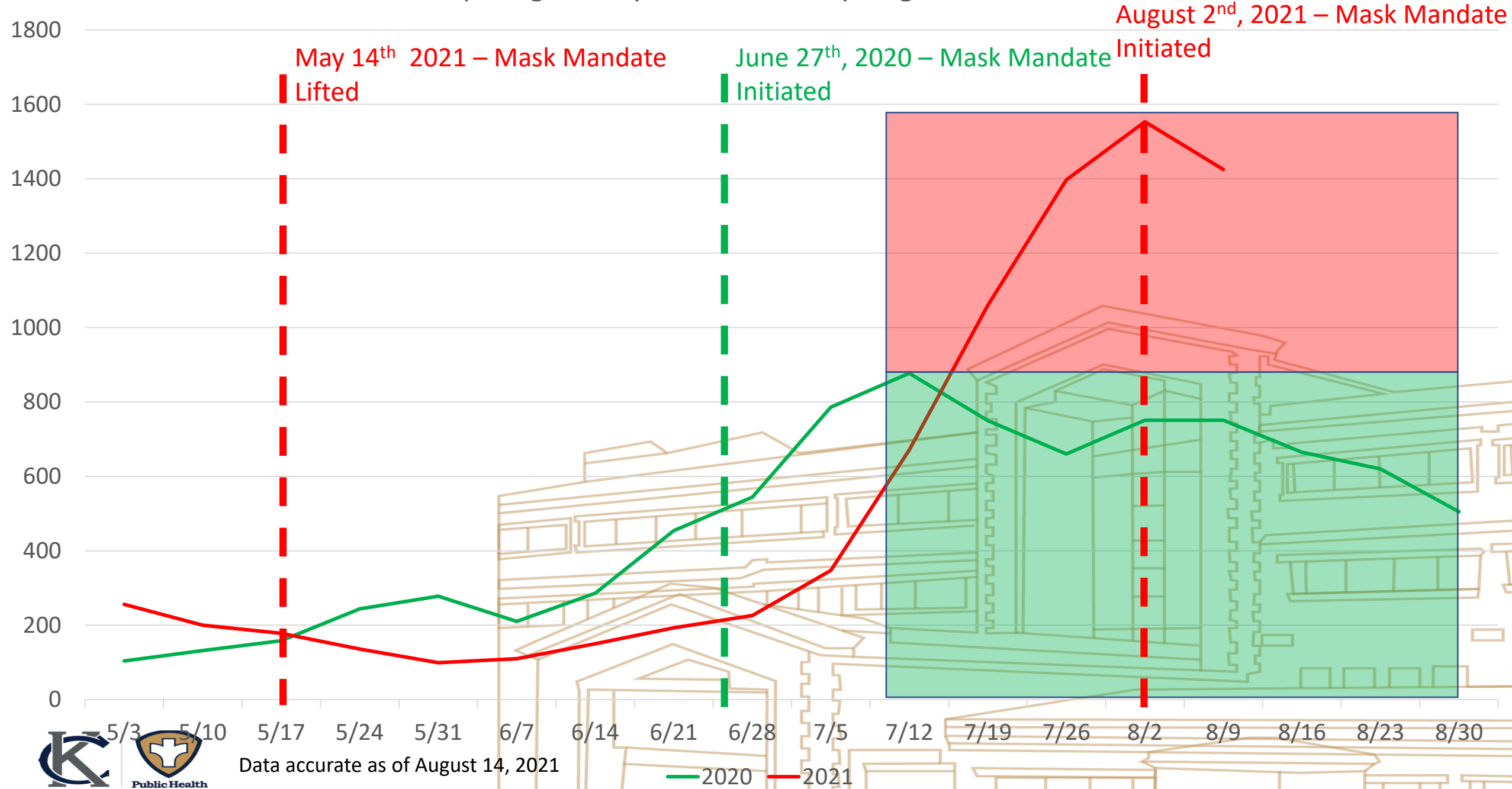
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WEEKLY NEW CASE TOTALS AND TIMING OF POLICIES

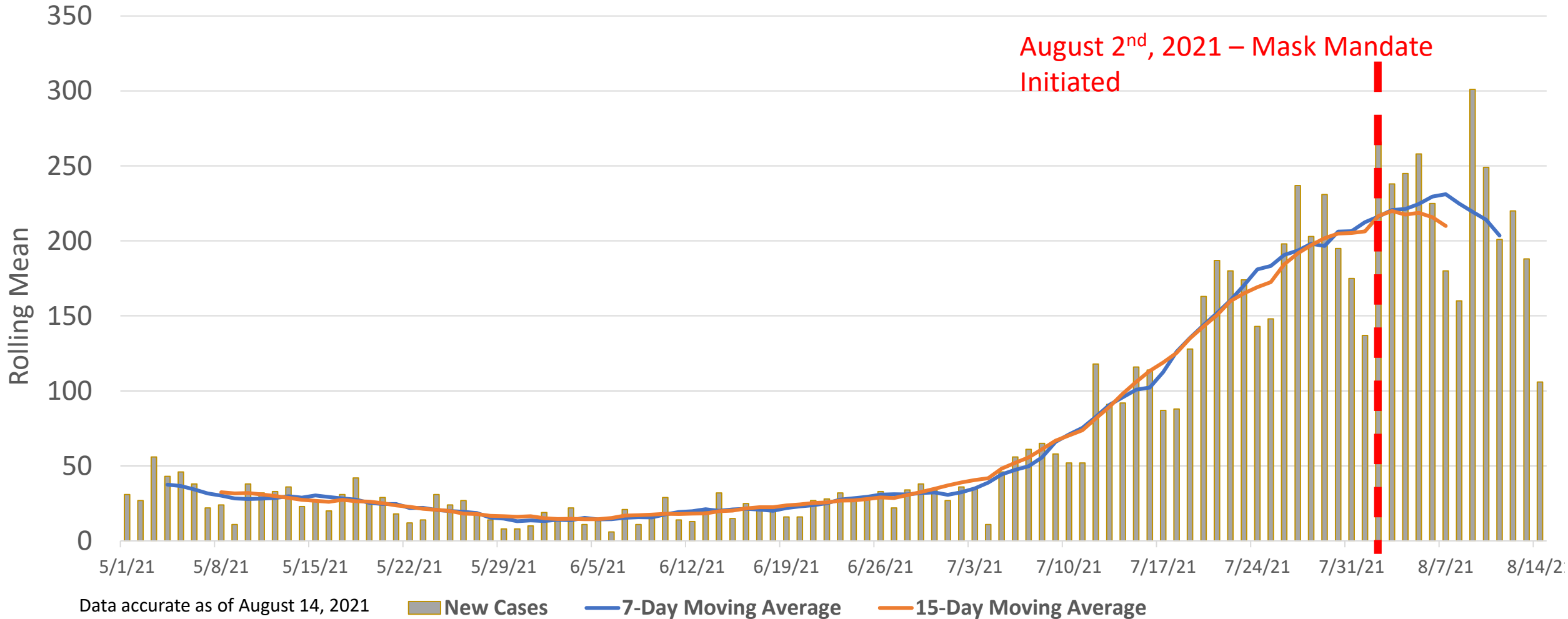


Comparing Weekly New Cases May-Aug 2020 and 2021





KCMO COVID-19 New Confirmed Cases since May 1st 2021

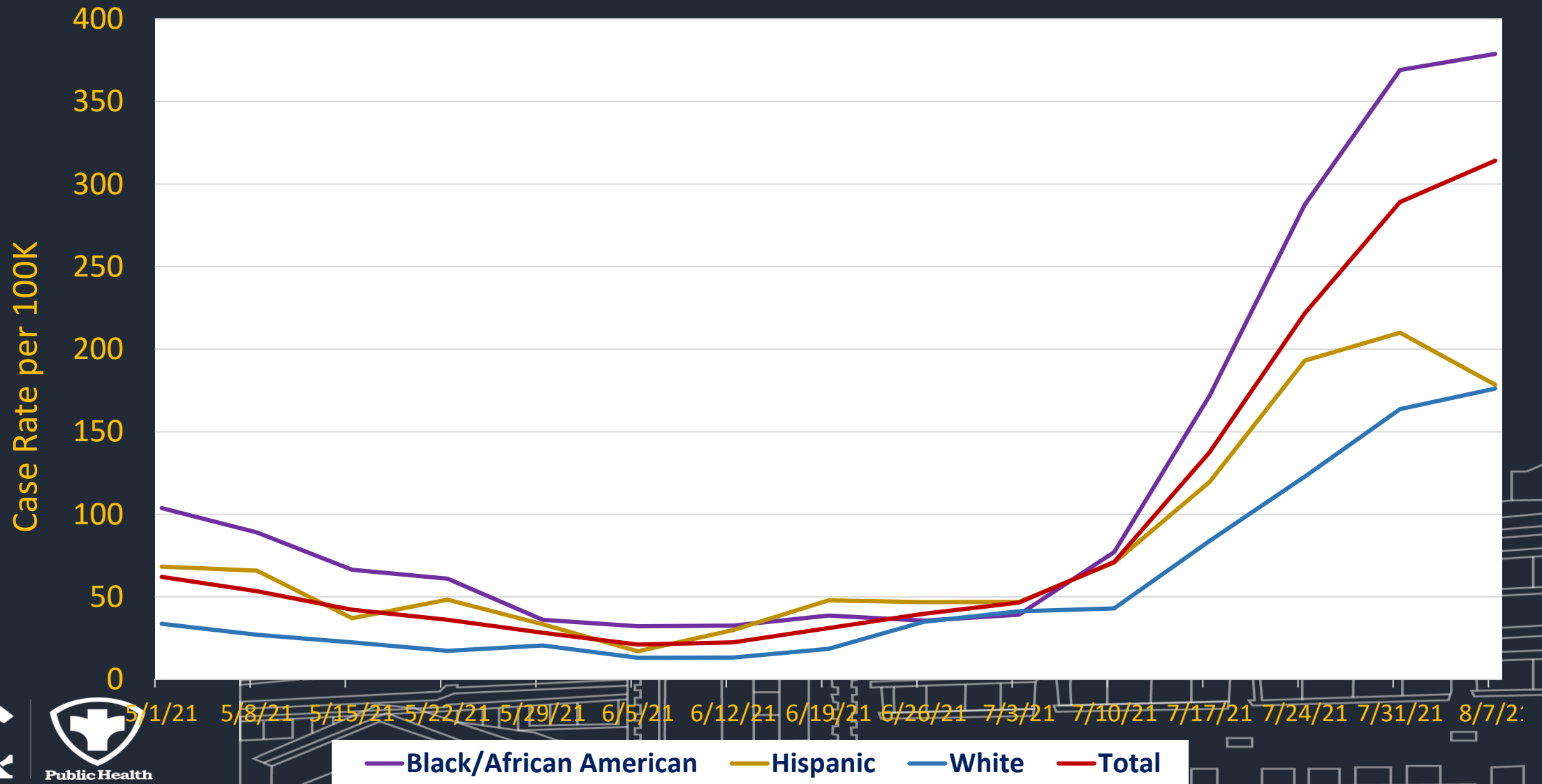




Data accurate as of August 14, 2021
Population derived from 2019 ACS 5 Year Estimates

City of Kansas City, Missouri Health Department
**COMMUNITY ENGAGEMENT, POLICY,
and ACCOUNTABILITY**

Weekly Age Adjusted Case Rates by Race/Ethnicity since May 1st 2021



100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%



Cumulative Percent Completed Vaccination

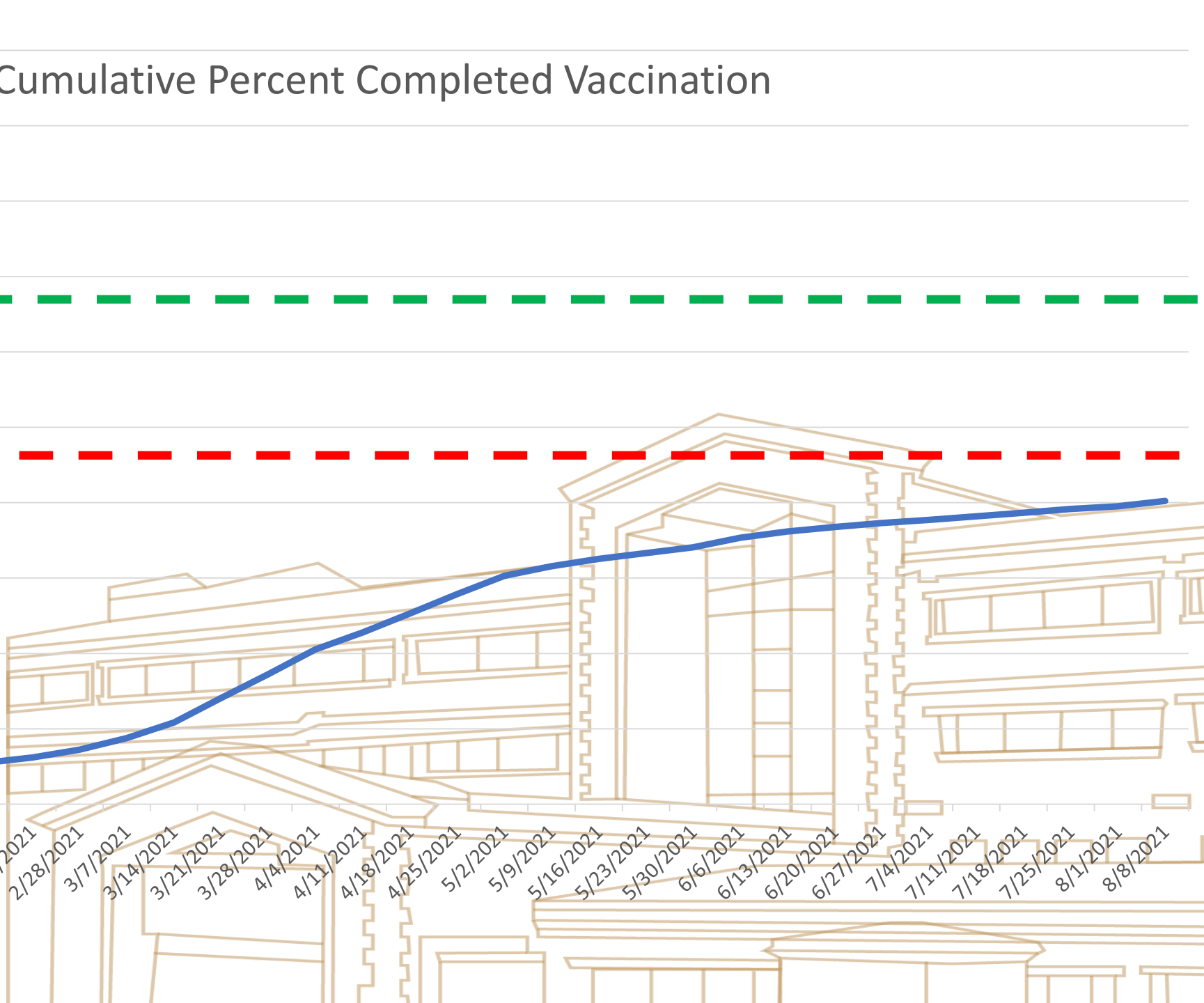
US Goal – 70% Completed

US Average – 51% Completed

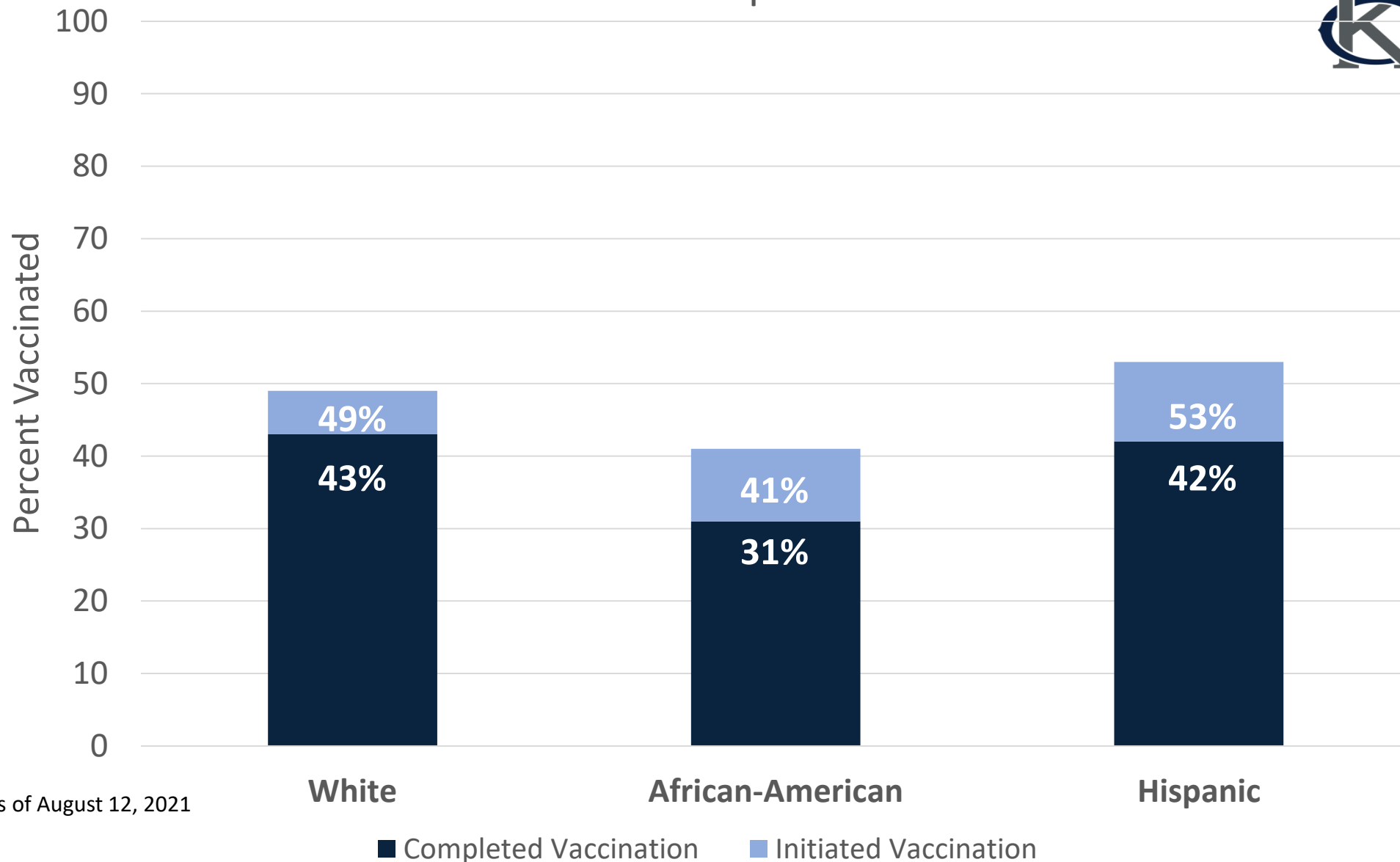
12/20/2020 12/27/2020 1/3/2021 1/10/2021 1/17/2021 1/24/2021 1/31/2021 2/7/2021 2/14/2021 2/21/2021 2/28/2021 3/7/2021 3/14/2021 3/21/2021 3/28/2021 4/4/2021 4/11/2021 4/18/2021 4/25/2021 5/2/2021 5/9/2021 5/16/2021 5/23/2021 5/30/2021 6/6/2021 6/13/2021 6/20/2021 6/27/2021 7/4/2021 7/11/2021 7/18/2021 7/25/2021 8/1/2021 8/8/2021



Data accurate as of August 12, 2021

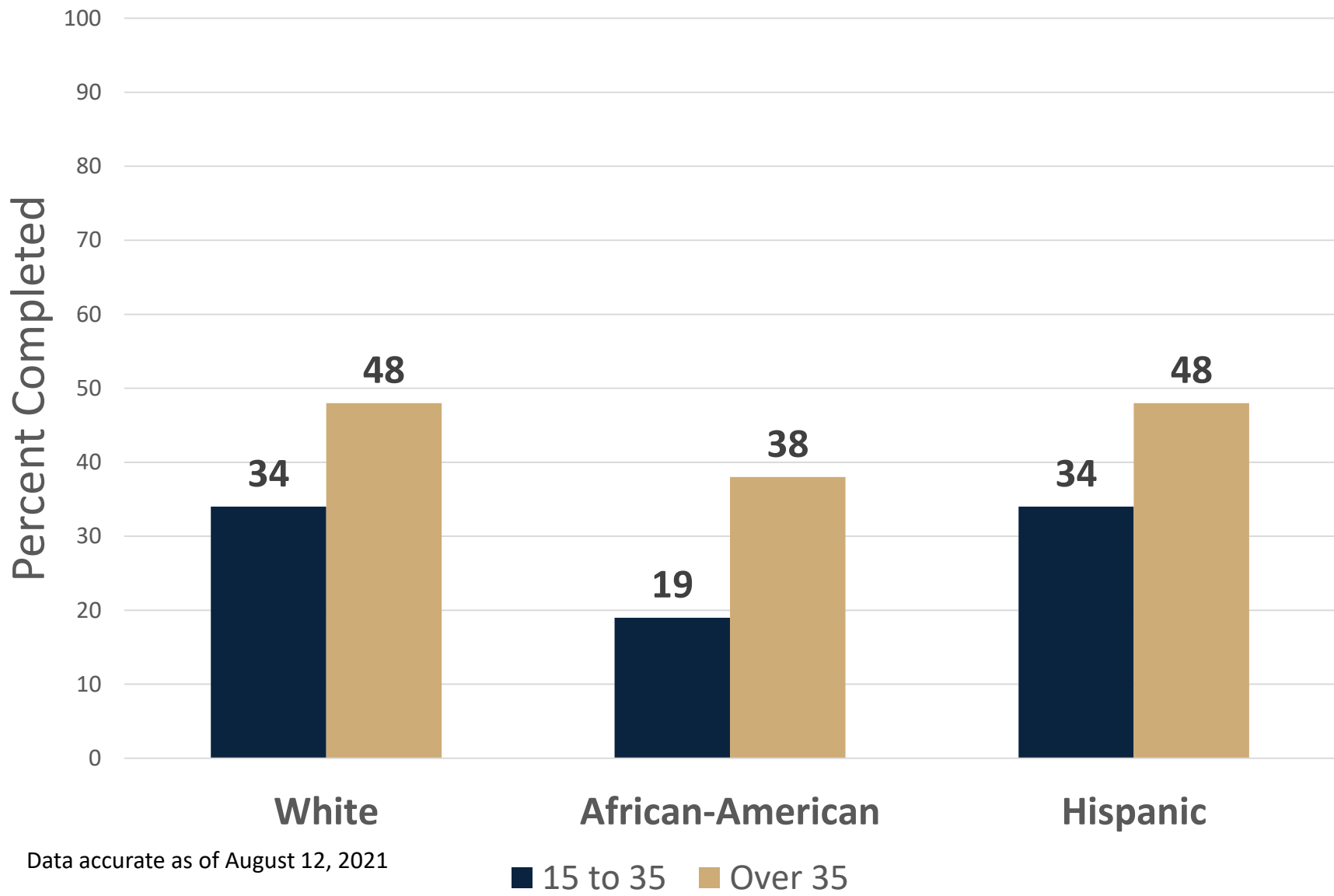


KCMO Total Population



Data accurate as of August 12, 2021

KCMO Residents Completing Vaccination

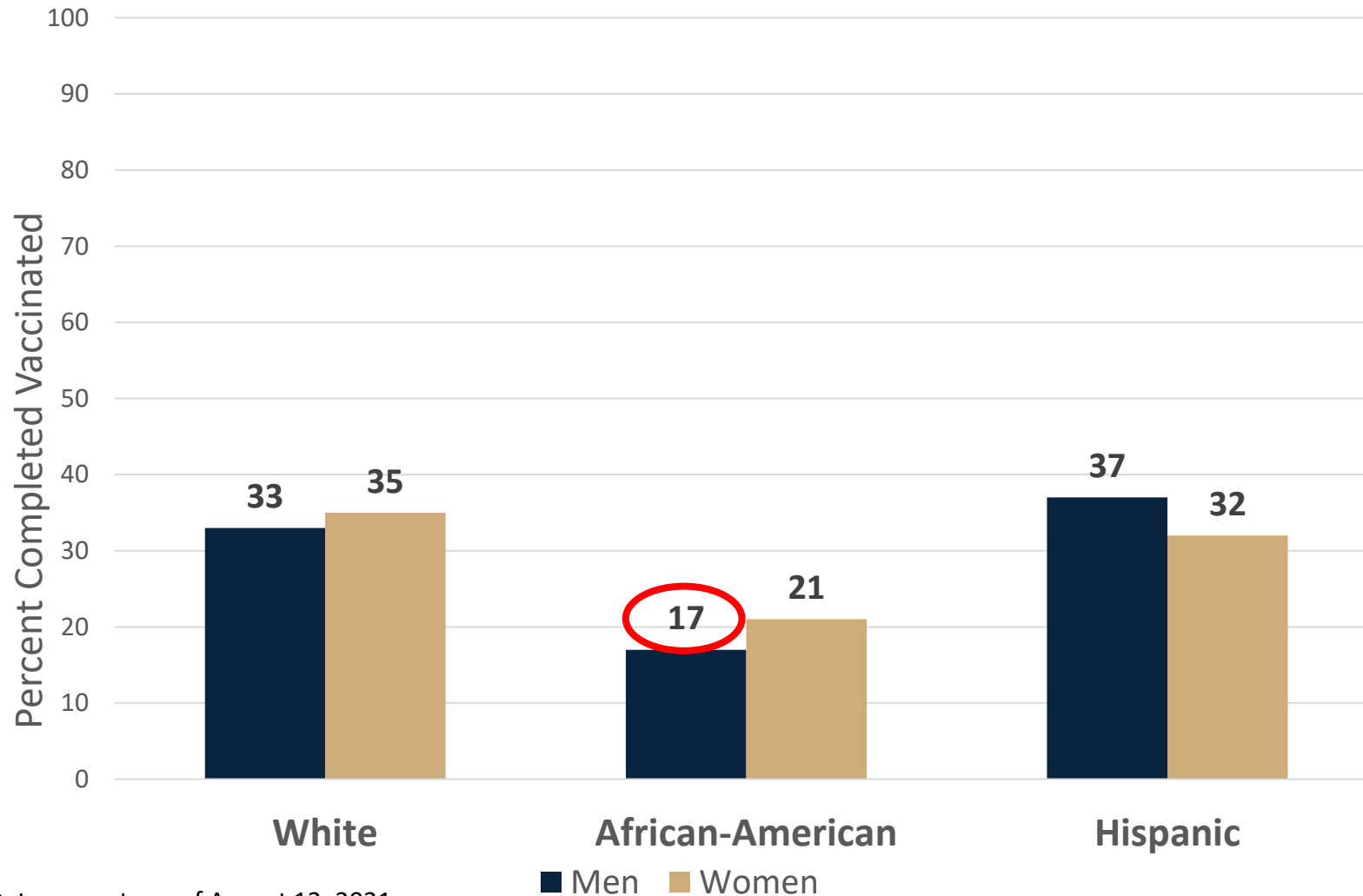


On average, KCMO residents between 15 and 35 are vaccinated at a rate of 16% lower than those 35+

In all demographics, those 35+ are still below the national average of 51.4%

Data accurate as of August 12, 2021

KCMO Residents Ages 15 - 35



Data accurate as of August 12, 2021

Within the 15 – 35 age group there are sizeable differences between genders as well

African American men under 35 have the lowest vaccination rate in the city, at just **17% completed**

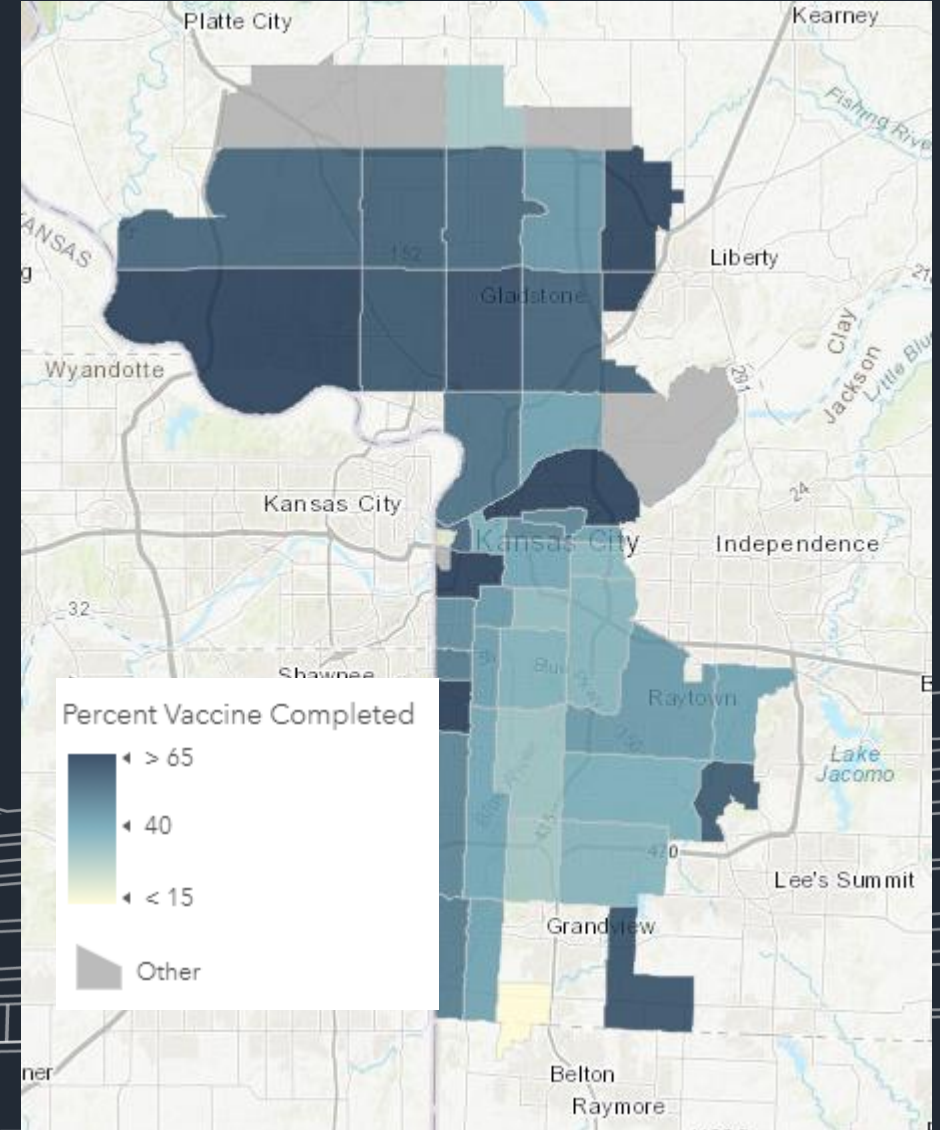
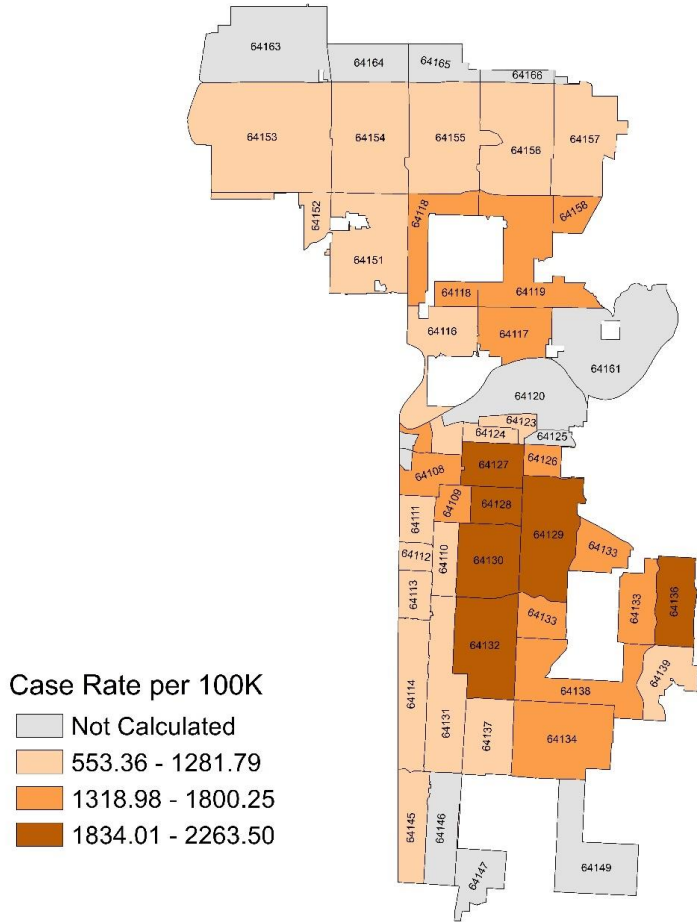
There are currently 96,697 residents ages 15-35 completely unvaccinated in KCMO

Unvaccinated Persons Are Driving The Current Outbreak



Data accurate as of August 14, 2021
 Population derived from 2019 ACS 5 Year Estimates

KCMO COVID-19 Case Rates since 5/1/21





Local Information for Children under 12:

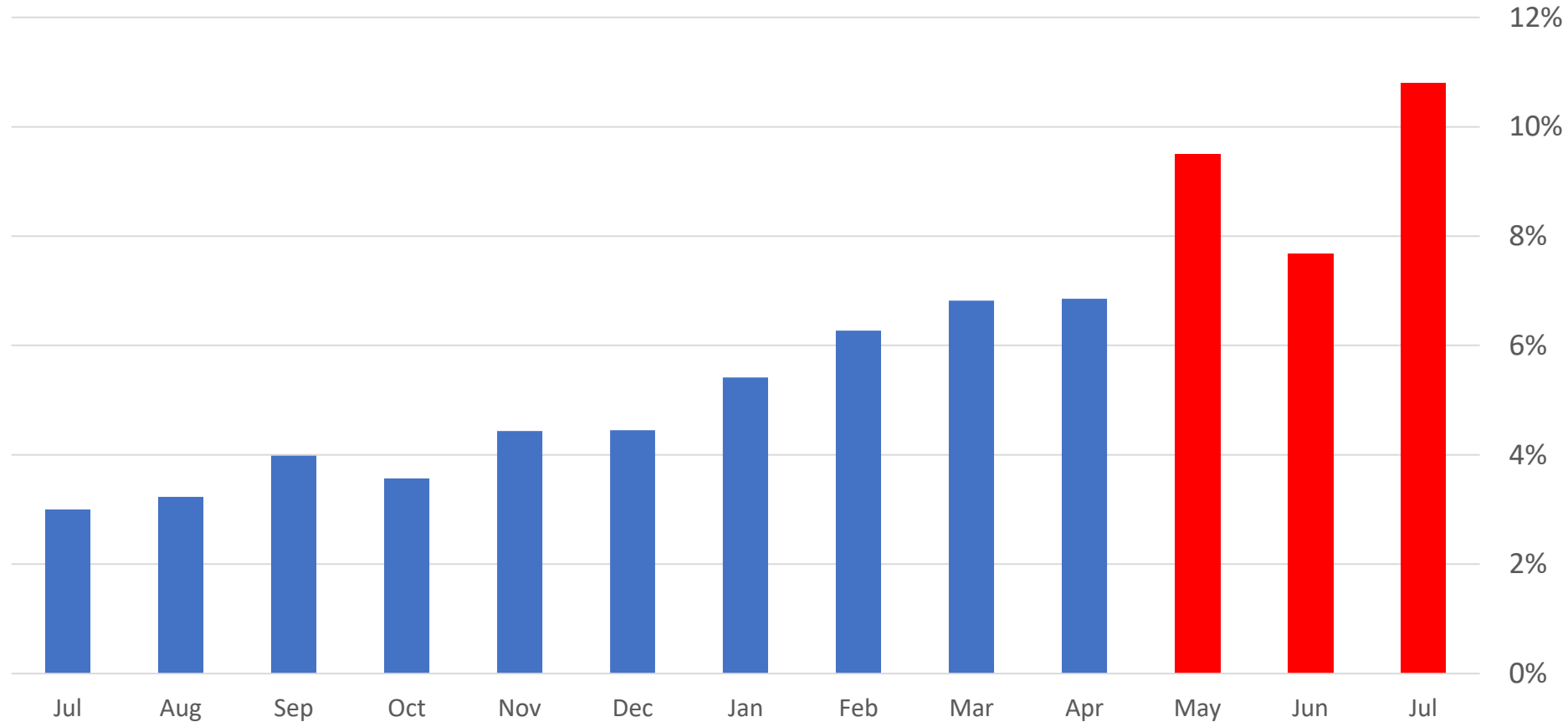
- In July 2020, we received 2,840 confirmed cases. At that time, children under 12 comprised 4% of all cases

- In July 2021, we received 3,439 confirmed cases. Currently, children under 12 make up nearly 11% of all cases

- In July 2021, we had 139 cases in children under 5, and 38 in newborns

-The only way to provide protection to these groups, in absence of higher vaccination rates, is a mask mandate

Percent of Total Cases - Children Under 12

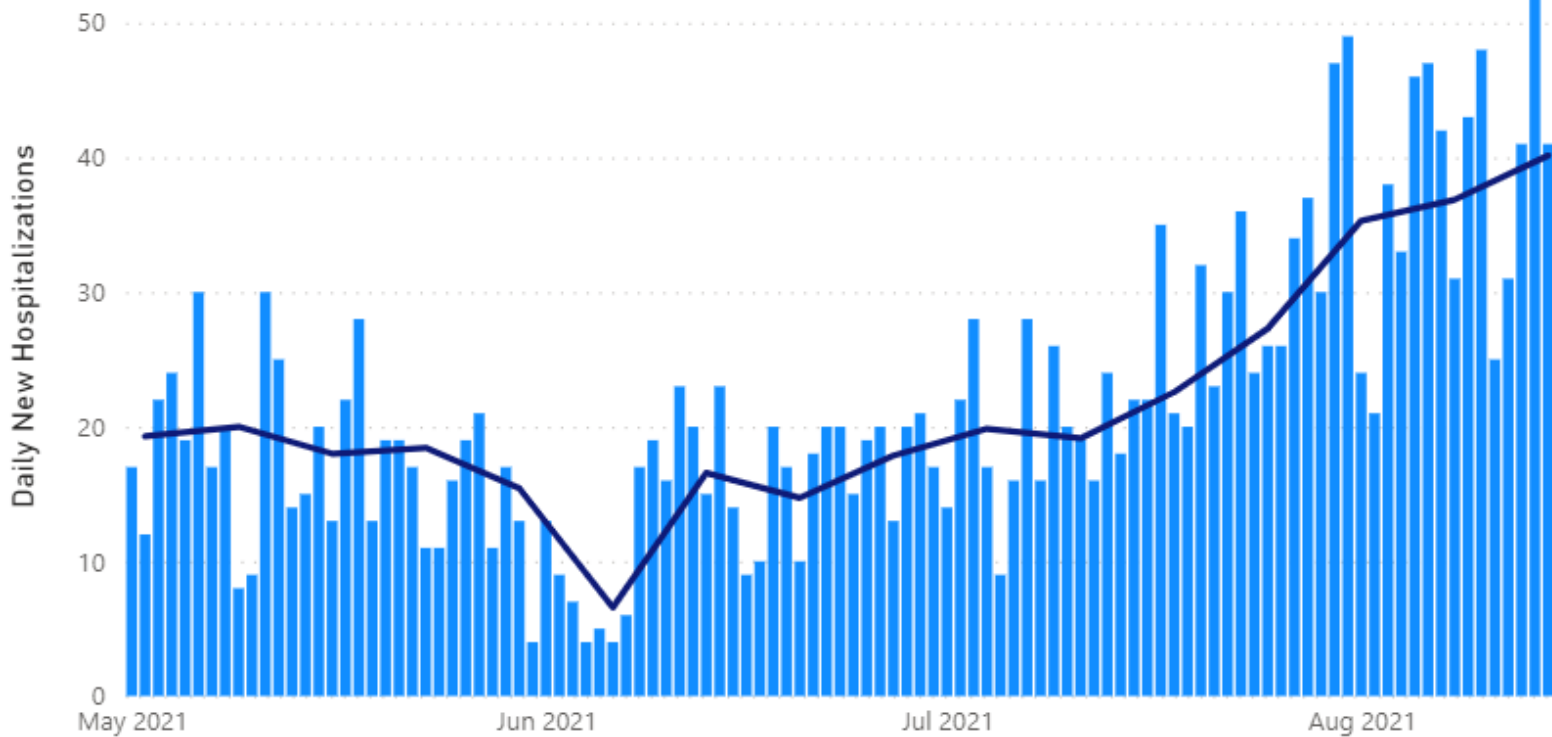


- "I think traditionally people kind of considered, 'Well, you know, kids aren't going to get that sick with this.' More than 400 children have died of COVID-19. And right now we have almost 2,000 kids in the hospital, many of them in ICU, some of them under the age of four," - NIH Director Francis Collins

Hospital Capacity

New Hospitalizations 7-day rolling average trend line* and daily bars for single jurisdiction

● Daily New Hospitalizations ● Daily Average New Hospitalizations*



- As of Friday, August 13, 2021, 33% of all Adult ICU beds were used by COVID-19 patients. Overall only 7.6% of ICU beds were available

- Daily hospitalizations have increased by 570% from an average of 7 in early June to 40 as of Sunday August 15

- Since January 2021, there have been *at least* 152 hospitalizations of children under 12 years old, and *at least* 324 hospitalizations of children 18 and under

Source: <https://marc2.org/covidhub/>

**“Public health is what we, as a
society,
do collectively
through organized actions
to assure the conditions in which
all people can be healthy.”**

Institute of Medicine
(adapted from “Future of Public
Health” 1988)

Myths on Masks and CO₂

- **Research Letter (Submitted to the Editorial Board)**

- Published - June 30, 2021

Experimental Assessment of Carbon Dioxide Content in Inhaled Air With or Without Face Masks in Healthy ChildrenA Randomized Clinical Trial

[Harald Walach, PhD¹](#); [Ronald Weigl, MD²](#); [Juliane Prentice, BA³](#); et al [Andreas Diemer, PhD, MD⁴](#); [Helmut Traindl, PhD⁵](#); [Anna Kappes, MA⁶](#); [Stefan Hockertz, PhD⁷](#)

Author Affiliations [Article Information](#)

JAMA Pediatr. Published online June 30, 2021. doi:10.1001/jamapediatrics.2021.2659

- **Retraction:** A notice of retraction was published on July 16, 2021.
- **Problems Included:**
 - Concerns about the applicability of the device used for assessment of carbon dioxide levels in this study setting – It was an indoor air quality **room** monitor used on an **individual**.
 - Whether the measurements obtained accurately represented carbon dioxide content in inhaled air
 - Authors did not provide sufficiently convincing evidence to resolve these issues, as determined by editorial evaluation and additional scientific review. Given fundamental concerns about the study methodology, uncertainty regarding the validity of the findings and conclusions

Full Retraction citation can be found.

- **Editorial**
- July 16, 2021
- **Notice of Retraction. Walach H, et al. Experimental Assessment of Carbon Dioxide Content in Inhaled Air With or Without Face Masks in Healthy Children: A Randomized Clinical Trial. *JAMA Pediatr.* Published online June 30, 2021.**
- [Dimitri Christakis, MD, MPH¹; Phil B. Fontanarosa, MD, MBA²](#)
- Author Affiliations [Article Information](#)
- *JAMA Pediatr.* Published online July 16, 2021.
doi:10.1001/jamapediatrics.2021.3252

Myth – CDC is hiding breakthrough Infections

- Answer: No. CDC is monitoring multiple groups of first responders and medical personnel to assess the rate of breakthrough cases of COVID.
- Due to breakthrough cases, CDC put out a report detailing a study done in Massachusetts. That prompted the revised guidance.
 - Brown CM, Vostok J, Johnson H, et al. Outbreak of SARS-CoV-2 Infections, Including COVID-19 Vaccine Breakthrough Infections, Associated with Large Public Gatherings — Barnstable County, Massachusetts, July 2021. MMWR Morb Mortal Wkly Rep 2021;70:1059-1062.
DOI: <http://dx.doi.org/10.15585/mmwr.mm7031e2external icon>.
 - Of the 496 individuals studied as breakthrough cases, 4 were hospitalized with 2 of those 4 having underlying symptoms. .008% of the cases studied that were vaccinated went to the hospital.
- The study concludes that the vaccinations ARE working.



Myth – Are Face Masks a Violation of OSHA Regulations?

- Answer: NO! OSHA issued guidance on Workplace Safety & COVID-19 on 01/29/21. That guidance was updated on 06/10/21 and again on 08/13/21. The original guidance and both updates supported the use of face masks or other PPE as part of COVID-19 mitigations in the workplace. (<https://www.osha.gov/coronavirus/safework#what-workers-need-to-know>)
- The guidance provides the following recommendations for workplaces:
 - “OSHA also continues to recommend implementing multiple layers of controls (e.g. mask wearing, distancing, and increased ventilation).”
 - “Provide [workers with face coverings](#) or surgical masks,⁴ as appropriate, unless their work task requires a respirator or other PPE.”
- The “OSHA regulations” frequently cited are for air quality exposure in enclosed spaces and are not intended as a measure of face mask safety.