FROM: Robert Knodell, DHSS Acting Director

SUBJECT: SARS-CoV-2 Monoclonal Antibody Treatment Update

The Missouri Department of Health and Senior Services (DHSS) is providing this updated advisory regarding monoclonal antibody treatment for COVID-19. Previously, DHSS issued a Health Advisory on April 13, 2021 about such treatment options. The April 13 health advisory detailed Eli Lilly’s bamlanivimab and bamlanivimab plus etesevimab combo. Since then, U.S. health officials have paused the distribution of those two Eli Lilly & Co. Covid-19 monoclonal antibody treatments because of data showing that they aren’t effective against virus variants that are common across the country. There are two remaining options for monoclonal antibody based treatment, each exists under an Emergency Use Authorization, Regeneron’s product consisting of casirivimab and imdevimab, and GSK’s sotrovimab.

Each treatment has similar emergency use and restriction guidance:

- for the treatment of mild-to-moderate coronavirus disease 2019 (COVID-19) in adults and pediatric patients (12 years of age and older weighing at least 40 kg),
- with positive results of direct SARS-CoV-2 viral testing, AND
- who are at high risk for progression to severe COVID-19, including hospitalization or death.

Each product is not authorized for use in patients:

- who are hospitalized due to COVID-19, OR
- who require oxygen therapy due to COVID-19, OR
- who require an increase in baseline oxygen flow rate due to COVID-19 (in those on chronic oxygen therapy due to underlying non-COVID-19 related comorbidity).

To date, each treatment has been indicated to be effective against known COVID-19 causing SARS-CoV2 variants in circulation, including the Delta variant.

Full details on the EUA for GSK’s sotrovimab are found at https://www.fda.gov/media/149534/download and EUA information for Regeneron’s casirivimab and imdevimab is at https://www.regeneron.com/downloads/treatment-covid19-eua-fda-letter.pdf.

Missouri healthcare providers and public health practitioners: Please contact your local public health agency or the Missouri Department of Health and Senior Services’ (DHSS’) Bureau of Communicable Disease Control and Prevention at 573-751-6113 or 800-392-0272 (24/7) with questions regarding this Health Advisory.