

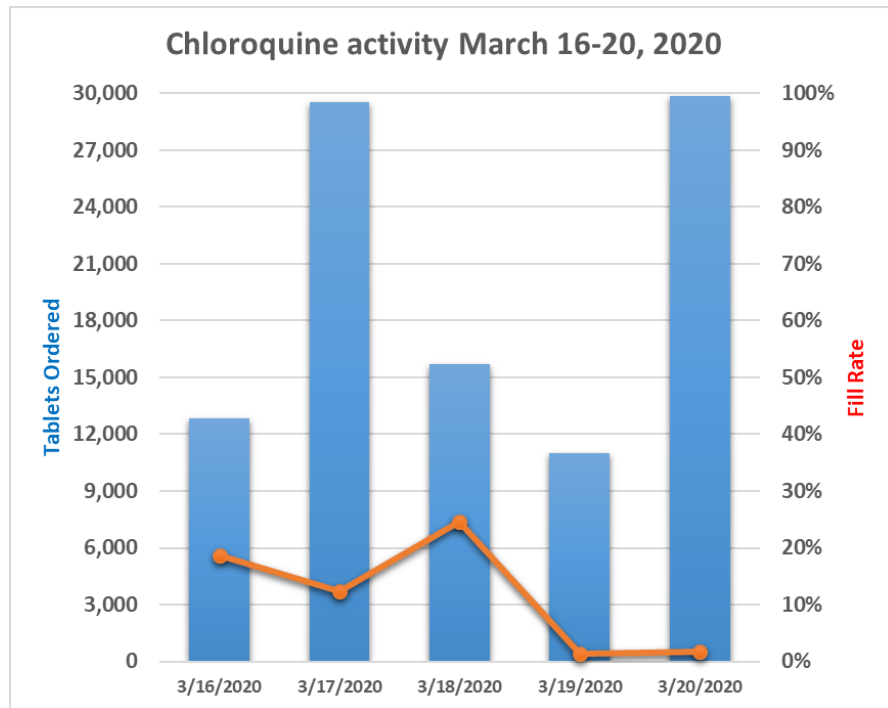
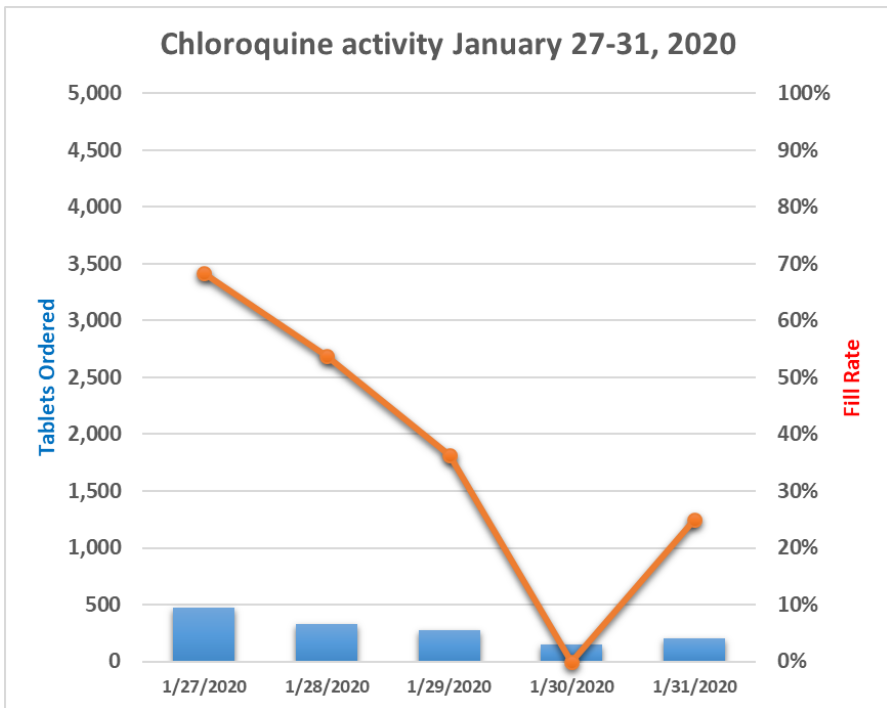
COVID-19 Causes Anti-Malarial Drug Orders to Skyrocket

- Reports across the media and clinical practitioner community brought much attention to chloroquine and hydroxychloroquine
- Since COVID-19 was declared a global pandemic, there has been a 6842% increase in chloroquine tablets ordered, with fill rates as low as 1.4%*
- Simultaneously, there has been a 2196% increase in hydroxychloroquine tablets ordered, with fill rates as low as 12.1%*
- Vizient recommends the redirection of these valuable drugs to those patients with documented diseases (e.g. COVID-19, systemic lupus erythematosus, rheumatoid arthritis) to avoid unnecessary hardship and the potential for even greater negative outcomes

**Data provided is Vizient member data compiled per methodology found on slide 4*

COVID-19 impact upon drug purchases

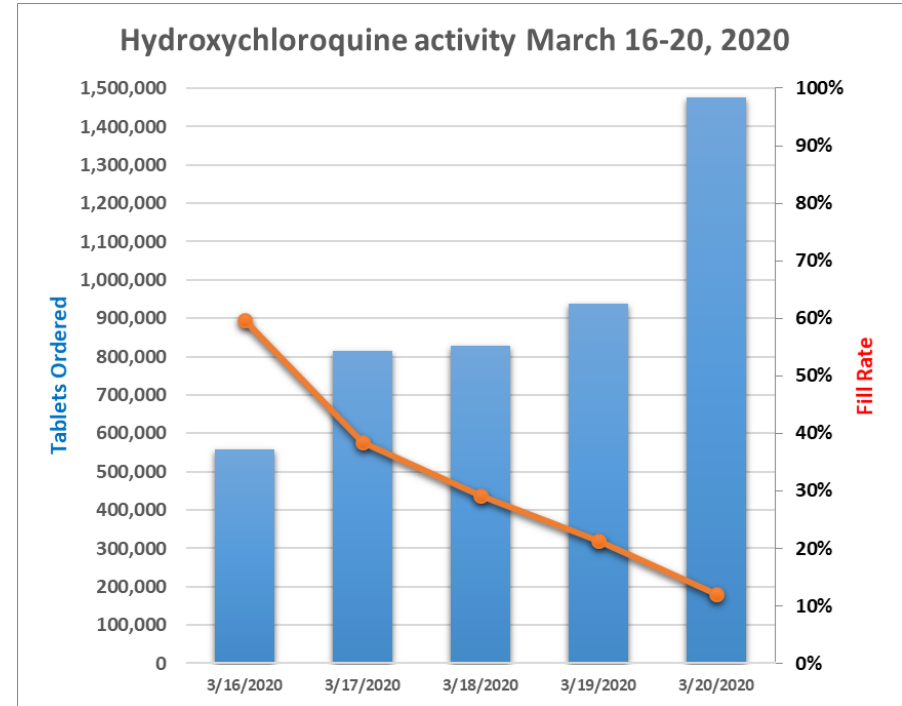
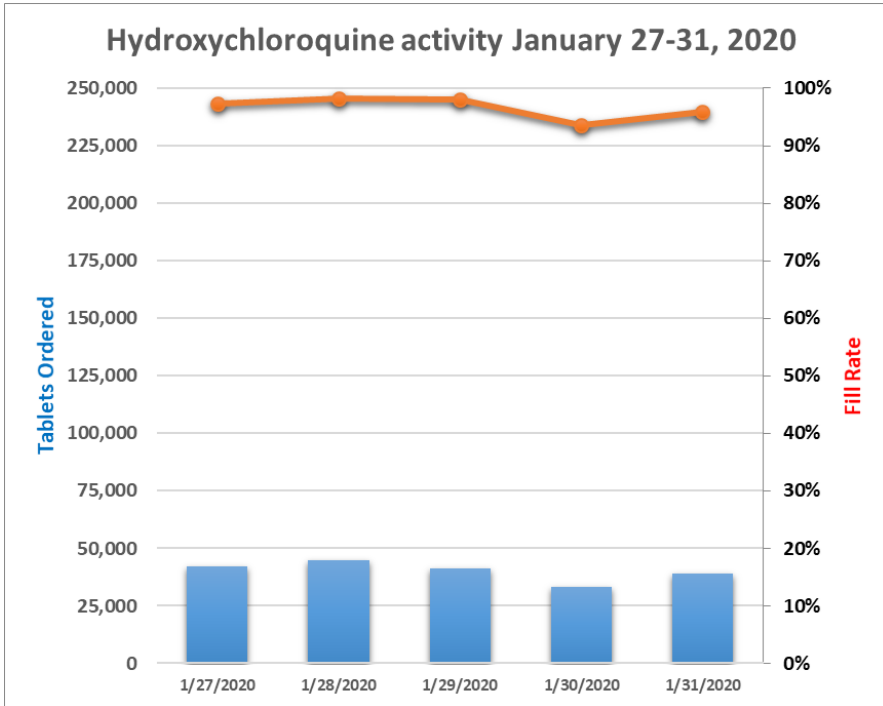
6842% increase in chloroquine tablets ordered



Fill rate drops to as low as 1.4%

COVID-19 impact upon drug purchases

2196% increase in hydroxychloroquine tablets ordered



Fill rate drops to as low as 12.1%

Methodology

- **Vizient member purchase data was source for all chloroquine and hydroxychloroquine tablets ordered.**
- **Tablets ordered was calculated by taking package size x units ordered**
 - Examples:
 - If 10 bottles of HYDROXYCHLOROQUINE SULFATE 200mg TABLET 1 X 100 CT BOTTLE were ordered then 100ct/bottle x 10 bottles= 1000 tablets ordered.
 - If 10 bottles of HYDROXYCHLOROQUINE SULFATE 200mg TABLET 1 X 500 CT BOTTLE were ordered then 500ct/bottle x 10 bottles= 5000 tablets ordered.
- **Vizient member purchase data was source used to calculate fill rates based upon quantity of tablets sold divided by quantity tablets ordered.**
- **The week of January 27-31, 2020 was used as a baseline due to the following events:**
 - January 30, the WHO declares COVID-19 a Public Health Emergency of International Concern
 - January 31, the U.S. Secretary of Health and Human Services declared the virus a U.S. public health emergency
 - January 31, the President of the United States signs proclamation to limit entry into the U.S. any persons having traveled to mainland China to U.S. citizens and lawful permanent residents and their families. Proclamation requires all travelers returning to the U.S. from China be redirected to one of 11 airports equipped with Centers for Disease Control and Prevention (CDC) quarantine stations.