



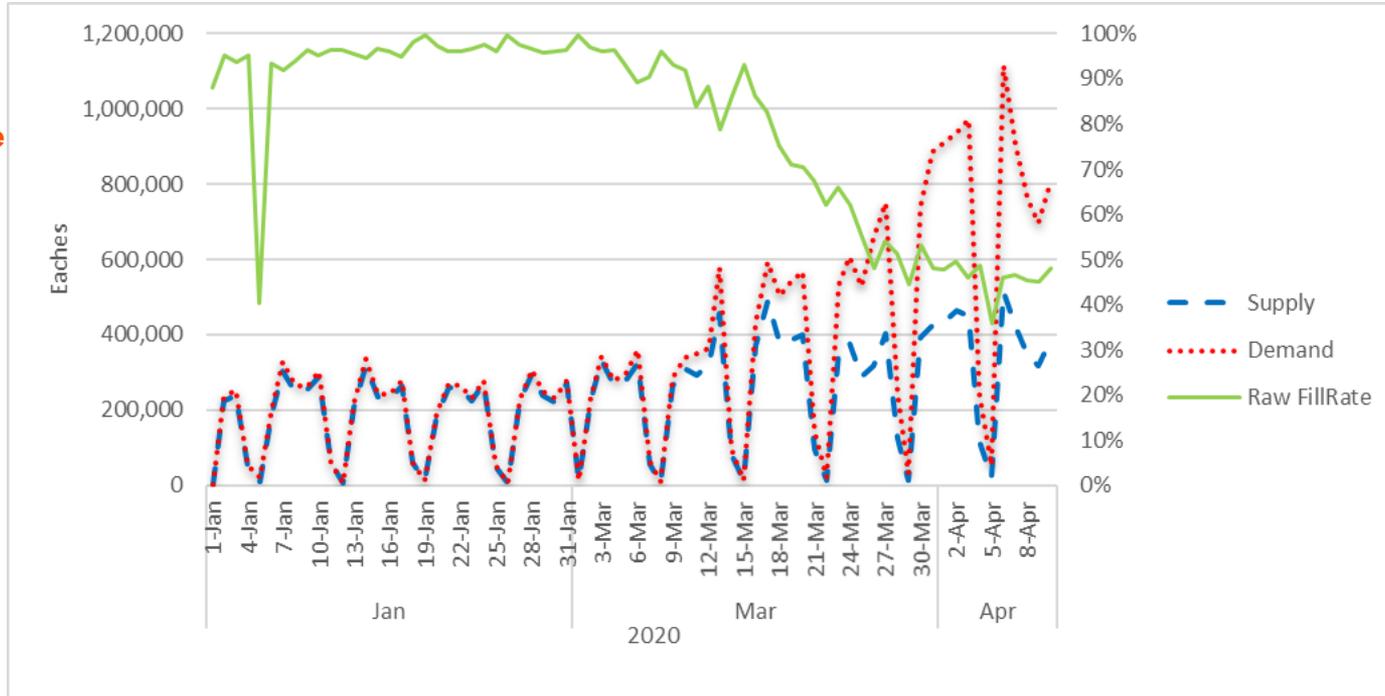
COVID-19 impact on drugs essential for ventilator use

April 14, 2020

vizient[®]

COVID-19 impact on sedative and anesthetic purchases

272% increase in demand for April from January



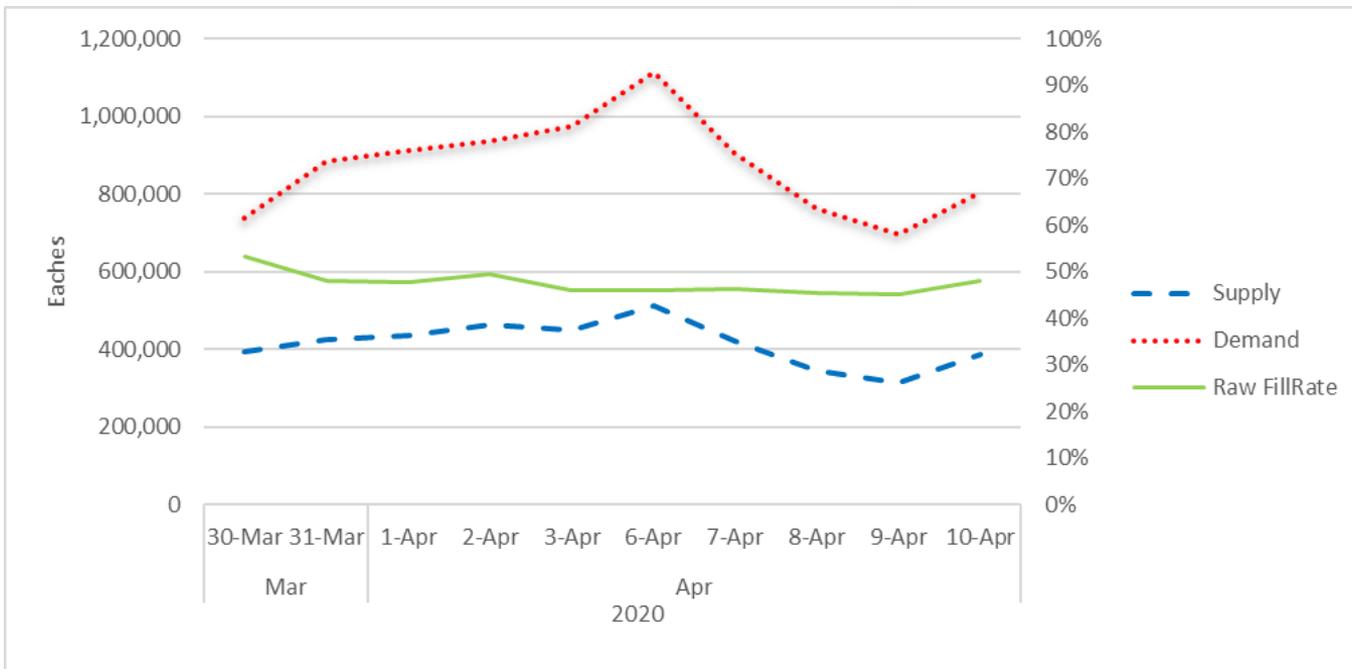
Evaluated:
Dexmedetomidine
Etomidate
Ketamine
Lorazepam
Midazolam
Propofol

Fill rate drops to 47% for April

vizient.

COVID-19 impact on sedative and anesthetic purchases

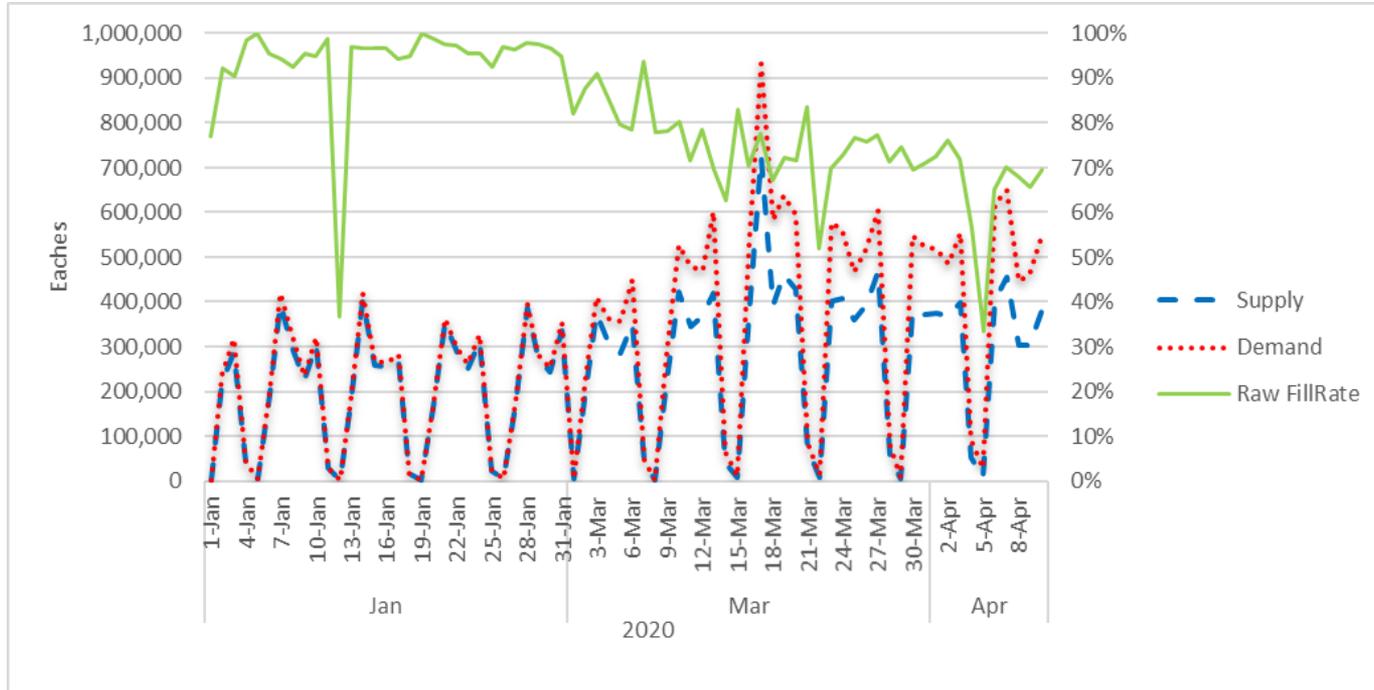
Demand has fallen 4% over the prior week



Compares five-day work week of April 6-10 to prior week of March 30-April 3, 2020

COVID-19 impact on analgesic purchases

104% increase in demand for April from January



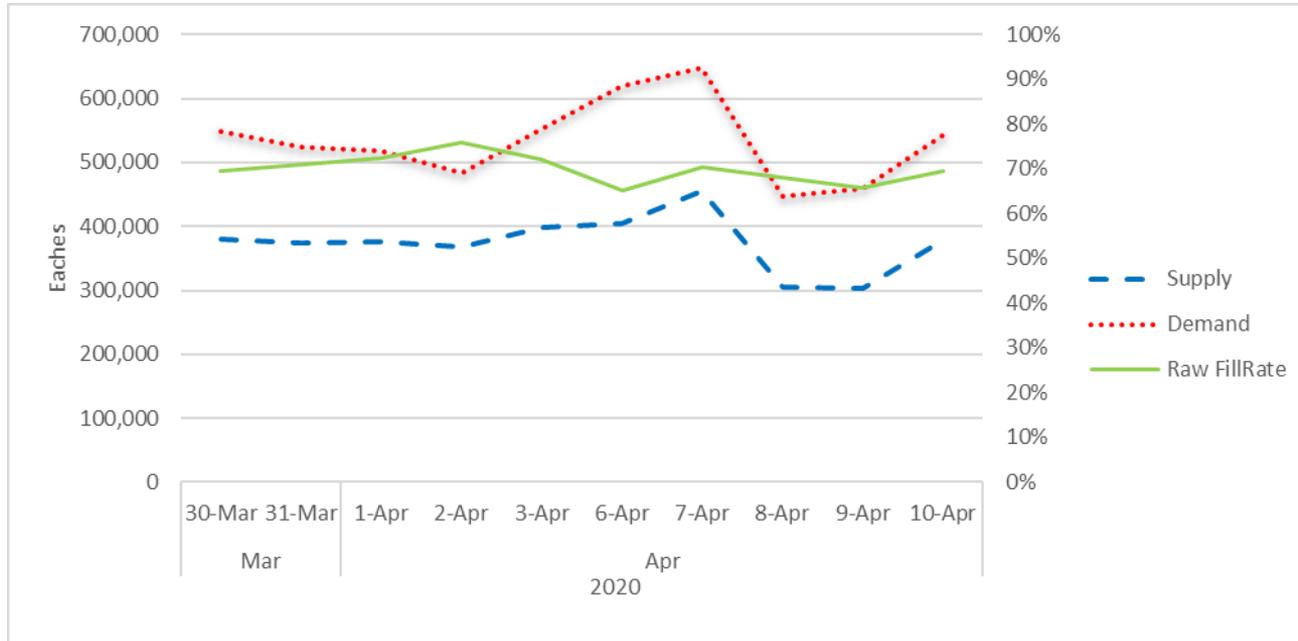
Fill rate drops to 69% for April

Evaluated:
Hydromorphone
Fentanyl
Morphine

COVID-19 impact on analgesic purchases

Demand has increased 3% over the prior week

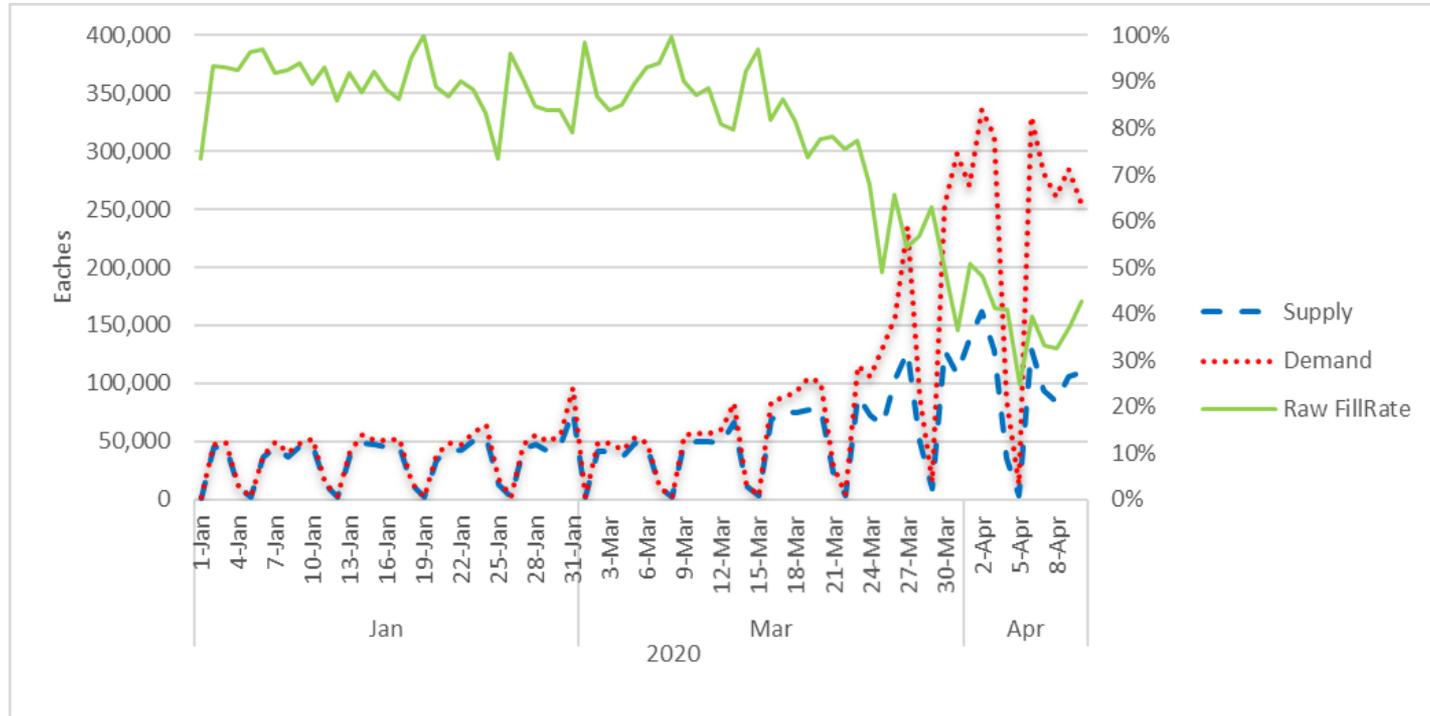
Evaluated:
Hydromorphone
Fentanyl
Morphine



Compares five-day work week of April 6-10 to prior week of March 30-April 3, 2020

COVID-19 impact on neuromuscular blockers (NMBs) purchases

508% increase in demand for April from January

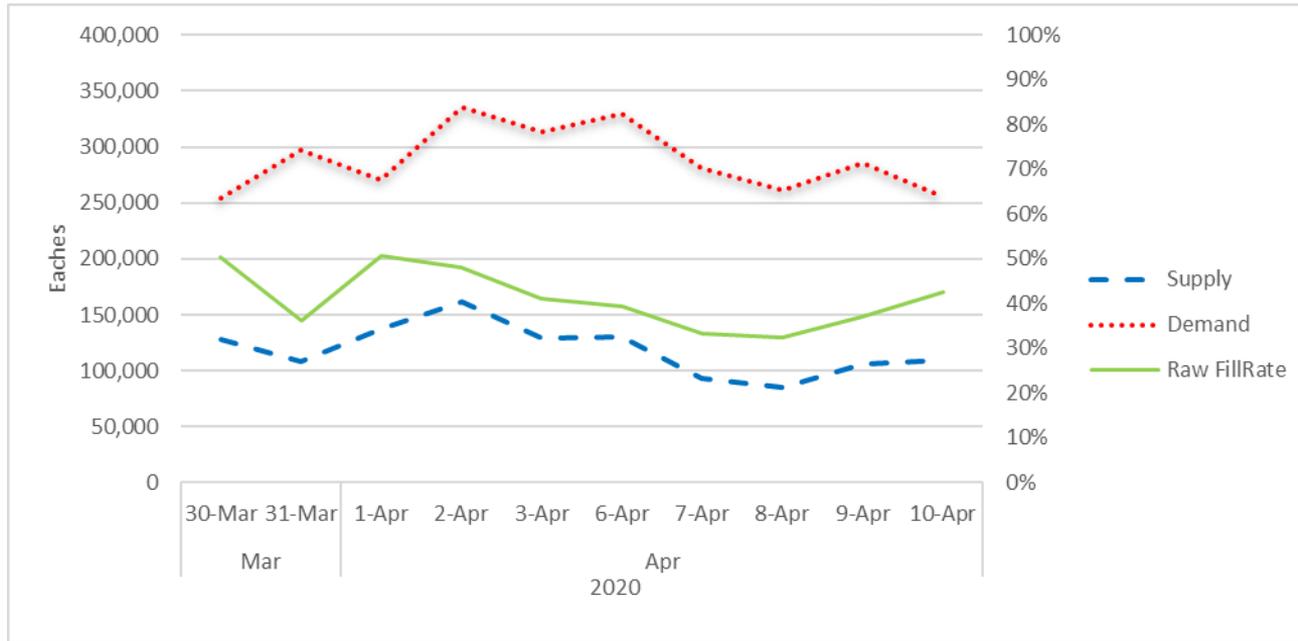


Fill rate drops to 41% for April

COVID-19 impact on neuromuscular blockers (NMBs) purchases

Demand has fallen 4% over the prior week

Evaluated:
Cisatracurium
Rocuronium
Succinylcholine
Vecuronium



Compares five-day work week of April 6-10 to prior week of March 30-April 3, 2020

Methodology

- **Vizient member purchase data was source for all units ordered and filled. Vizient serves more than half of the nation's hospitals and health systems.**
- **Eaches ordered was calculated by taking package size x units ordered**
 - Examples:
 - If 1 package of DIPRIVAN (propofol) 10mg/mL VIAL 10 X 100 ML VIAL NO LATEX, SINGLE USE were ordered then 10VIALS/package x 1 package ordered = 10 eaches ordered.
 - If 20 packages of FENTANYL CITRATE 50mcg/mL AMPUL 10 X 5 ML AMPUL LATEX-FREE, P/F were ordered then 10AMPUL/package x 20 packages = 200 eaches ordered.
- **Vizient member purchase data was source used to calculate fill rates based upon quantity of eaches sold (supply) divided by quantity of eaches ordered (demand). Fill rate reported on each slide is average for either the month or month to date being evaluated.**
- **Data from March 1-31, 2020 was compared to baseline data from period January 1-31, 2020.**
- **Data from April 1-10, 2020 was extrapolated to represent a full month and compared to baseline data from period January 1-31, 2020.**
- **Data from April 6-10, 2020 was compared to March 30-April 3, 2020 to evaluate impact over prior week.**
- **The period of January 1-31, 2020 was used as a baseline due to the following events:**
 - January 30, the WHO first 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.