

YNHHS Pulse Oximetry Monitoring Post Discharge for COVID-19 Patients

Scope: Adult YNHHS inpatients who are being discharged home after hospitalization for COVID-19 and would benefit from pulse oximetry monitoring after discharge.

Background:

- 1) Many patients are being discharged to home after hospitalization for COVID-19. The disease course for COVID-19 has proven to be lengthy for many patients, and closer monitoring may be beneficial in identifying possible decompensation, especially from a respiratory standpoint. Providing outpatient pulse oximetry monitoring may be able to detect clinical deterioration earlier, and thus improve patient outcomes.

Leadership and Decision Making:

- 1) YNHHS Adult Inpatient, Ambulatory, Post-Acute, IT, Nursing, and Care Management leadership

Availability

- 1) Initial roll out of pulse oximetry monitoring post discharge will be on select COVID units at YNH and GH.

Indications for Pulse Oximetry Monitoring Post Discharge

- 1) Any inpatient hospitalized with COVID-19 that is discharging home **AND**
- 2) Has a device or computer at home that can access Epic MyChart **AND**
 - a. Risk factors that put patient at higher risk for severe disease or respiratory decompensation **OR**
 - b. Need for supplemental oxygen beyond baseline requirements **OR**
 - c. Ambulatory O2 saturation on discharge of 94% or less **OR**
 - d. Concern for limited support or access in the ambulatory environment

Process

Prior to Discharge:

- 1) Primary team identifies patient as discharging home and would benefit from pulse oximetry monitoring post discharge
- 2) Epic MyChart access is confirmed, or provided to patient. *Review in Epic header. Click to facilitate access.*

MyChart: Active

- 3) Primary team enters Epic order for 'COVID-19 Pulse Ox Remote Monitoring - IP Discharge' in the Discharge Medication Reconciliation - *This orderset facilitates access to SpO2 documentation in Epic MyChart*

- 4) Primary team communicates need for pulse oximetry monitoring post discharge to care manager
- 5) Consider referral to pulmonology (or arrange follow-up appointment if already established with pulmonologist).

Day of Discharge:

- 1) Care manager provides pulse oximetry device to RN/patient
- 2) RN reviews pulse oximetry education sheet and MyChart tip sheet with patient. RN confirms patient has Epic MyChart access.
- 3) Primary team enters “**Enrolled in care coordination oximetry follow up home oximetry for 7 days” into Follow-Up section of discharge navigator

At Home:

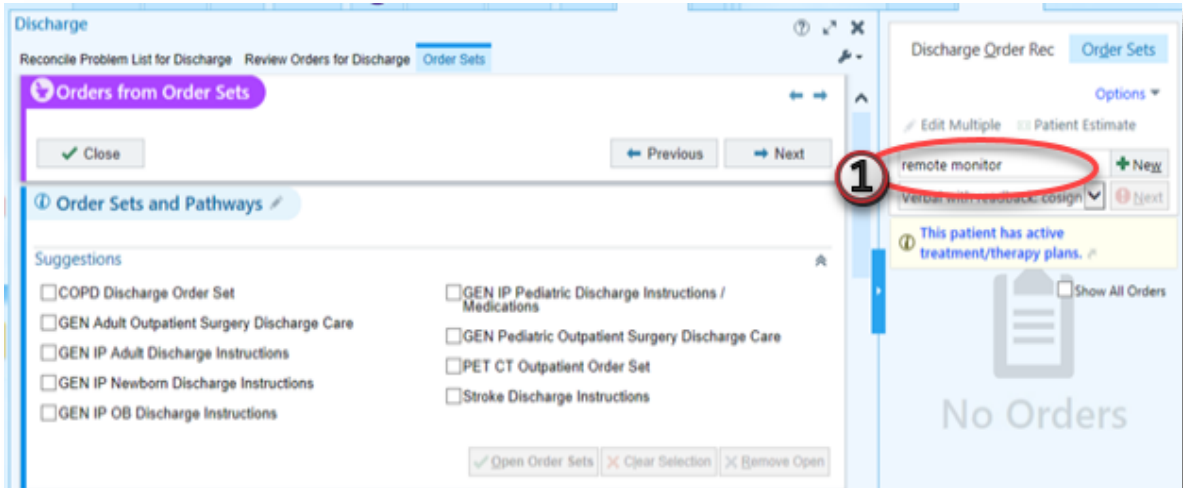
- 1) 24-48h post discharge, ambulatory care manager identifies patient on work list, and places a call to patient to review Epic MyChart instructions for data entry into MyChart, as well as other discharge instructions as needed.
- 2) Patient enters pulse oximeter value into Epic MyChart daily for 7 days.
- 3) Ambulatory care manager monitors patient oximetry reports daily.
 - a. Patient contacted for values outside of the specified range. Escalation to PCP or ED based upon symptoms.
- 4) If pulse oximeter values are stable and in appropriate range after 7 days, daily monitoring is stopped. Patient retains pulse oximeter device.

Covid-19 Pulse Ox Remote Monitoring

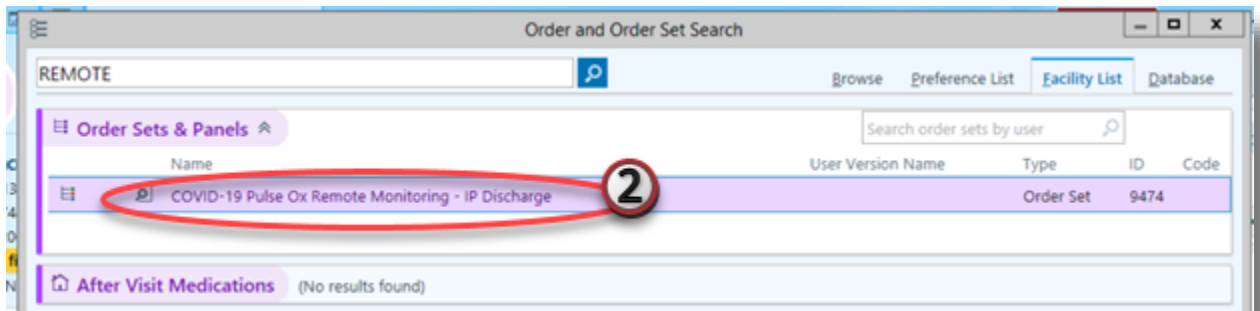
Providers will place orders in Epic using a SmartSet (an order set that contains a Pulse Ox order, patient instructions and patient questionnaires). In order for a patient to qualify he/she MUST have an active Mychart.

Accessing the COVID-19 Pulse Ox Remote Monitoring Order Set at Discharge

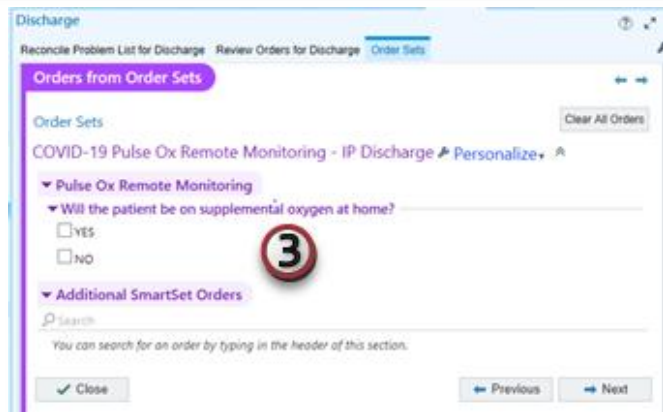
1. From the discharge navigator, access Med Rec and move to the Order Sets tab. Type in **Remote**.



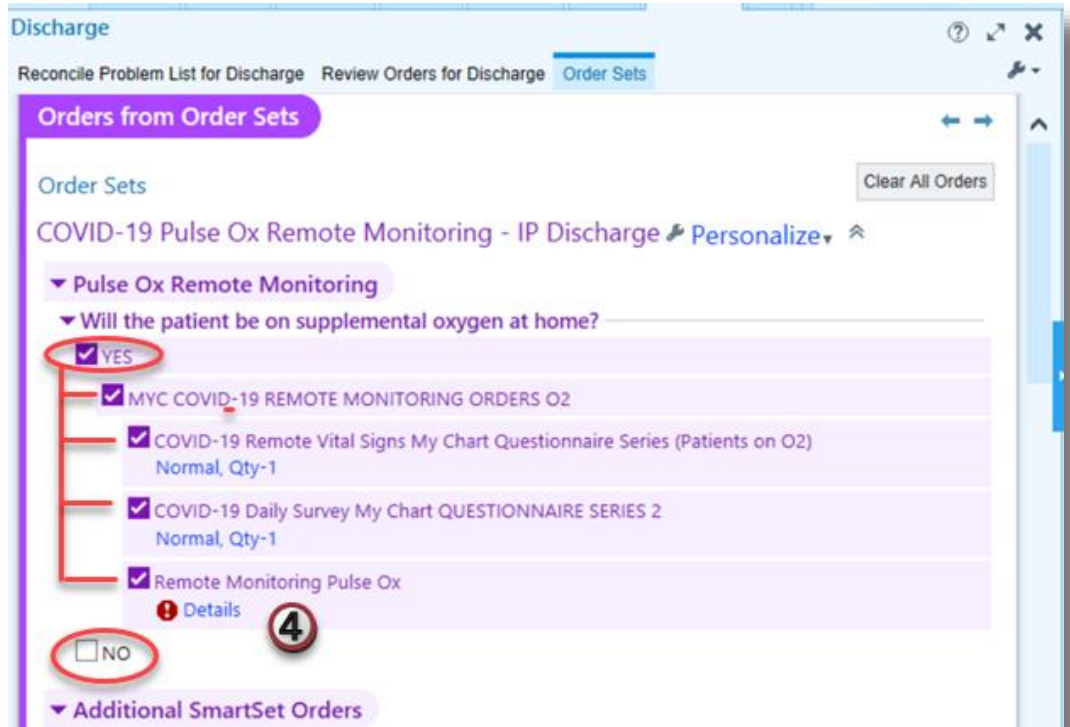
2. The 'Remote Monitoring' order set for discharge is selected, click **Accept**



3. The order set appears:



- 4. If either **YES** or **NO** is clicked, the order set opens to the following. The questionnaires required for patients on home O2 and those not on home O2 are pre-checked/selected. In addition, the Pulse Ox device itself is selected.



- 5. The Pulse Ox order will open automatically, displaying the following required question:



- 6. If answered "No", another statement will appear which requires acknowledgement. The orders can then be signed.

