ASHP BEST PRACTICES AWARD

Advancing Pharmacy Practice Through Treatment Selection: A Pharmacist-Driven COVID-19 Outpatient Treatment **Referral Process**

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Authors of this presentation disclose the following relationships with commercial interests related to the subject of this poster:

Authors have nothing to disclose.

Introduction

Health Facility

- Not-for-profit health system with 14 medical centers and 120+ outpatient facilities
- Serves greater Dayton, Ohio area and surrounding communities

Background

- Successful distribution of Coronavirus disease 2019 (COVID-19) outpatient treatments is key to improving patient outcomes and reducing strain on healthcare systems
- Kettering Health (KH) Pharmacy Services committed to distributing available treatments (Figure 1) Need to restructure treatment process was identified: Use criteria was stricter for oral therapies than monoclonal antibodies (mAb) due to lower inventory • Providers unfamiliar with treatment differences Pharmacy Service areas operated independently with no ambulatory clinical pharmacy services to coordinate treatment selection

Purpose

Simplify ordering for providers and leverage pharmacist expertise to identify and procure the most safe and effective COVID treatment via a referral process

Description of the Program





Description of the Program (continued)



Figure 3: P&T Approved Treatment A



Algorithm ensured consistent patient review pro based on National Institute of Health's (NIH) rec inventory, and Emergency Use Authorization cri

Experience with the Program

Quality Improvement

- Simplified ordering process by unifying use criteria
- Changes could be made and implemented rapidly as pandemic evolved (Table 1)
- Centralized inventory improved patient access and ensured judicious use of available supply (Figure 5)

Table 1: Updates Made to Treatment Algorithm 1/31/2022 Use criteria expanded due to improved inventory

6/30/2022	Nonupiravir added**
4/1/2022	Sotrovimab removed+, be
2/8/2022	Use criteria expanded du

+ Sotrovimab EUA rescinded for KH's region due to variant resistance¹ ++ Per updated NIH guidelines²

lgorithm	Figure 4: Excerpt of Custom Electronic Referral Form
Paxlovid dispensed from closest health system retail pharmacy or delivered via long-term care pharmacy*	Date of symptom onset: Please check ALL outpatient treatment(s) you would like considered: nirmatrelvir-ritonavir (PAXLOVID) 150-100 mg dose pack molnupiravir 200 mg capsules
Box 1: Patient conditions in which Paxlovid would <u>not</u> be considered first-line treatment: -On concomitant contraindicated medications per EUA -eGFR <30 ml/min -Solid organ transplant patients	 IV Sotrovimab 500 mg infusion – Once IV Remdesivir 200 mg infusion Day 1; 100 mg infusion Day 2 a Date of symptom onset: Please check ALL outpatient treatment(s) you would like considered: IV Sotrovimab 500 mg infusion – Once IV Remdesivir 200 mg infusion Day 1; 100 mg infusion Day 2 a
Molnupiravir reserved if all other options unavailable *COVID-19 referral team to adjust dose based on EUA for patents with	Date of symptom onset:
eGFR 30-60 ml/min ecess and prioritized treatment commendations ² , available teria (EUA) ¹	© 2022 Epic Systems Corpora Referral form filtered treatments per symptom onset date (\leq 5, 6-7, and \geq 7 days). Providers then selected all options they wanted considered for their patients during pharmacist review. The form also required use criteria selection



