

Mercy Health Clinician COVID-19 Update

February 23, 2022; 12:30 – 1:00 pm
Zoom <https://bsmh.zoom.us/j/4143572261>

Guest: David Hartley, PhD, MPH; UC Department of Pediatrics (model predictions)

COVID-19 Mercy Health and Region Six Situational Awareness

- Region Six ... 316 COVID-19 hospitalized (13%) / 71 ICU (22%) / 52 vents
- COVID-19 inpatients peaked at 1,033 (39%) and 200 ICU (Jan 14)
- 6.3% positive test rate (2,240 tests) – 14 county (peak 34%)
- Healthcare-associated infections started trending upward during the pandemic
- After February 14, federal, state, accreditation, and CMS-contracted surveyors will begin monitoring for full COVID-19 vaccine compliance subject to roll-out plan

Hospitalized COVID-19 Patients Mercy Health Cincinnati

02-23-22	MHA	MHC	MHF	TJH	West	Mercy	UC	TriHe	Christ
COVID pos	5	15	7	5	7	39	108	59	24
ICU	1	5	4	1	2	13	31 (3)	16	7
COVID pend	0	0	7	2	1	10			
Census	167	100	191	167	198	823			
ER boarders	2	0	1	0	11	14	49		5
Staff out	1	0	0	3	0	4			

UCMC 88 / UCWC 20

Epic Admission Order Upgrade (2/16)

- Admission (ADT) order in orderset needs to be released prior to releasing signed and held orders. Admission order auto released (2/22)
- Patient ADT status available and updated (smartlink and story board)
- Most recent admission order is active (such as admission order placed by transfer center or status change from utilization review)
- ED admit metrics may be affected (2/15 – 2/22)

Level of Care ... Acute (med / surg), Intermediate (PCU), Intensive Care (ICU)

Service: Medical Surgery Orthopedics Pediatrics Neurology Cardiology Oncology

Level of Care: Acute Intermediate Care Intensive Care

Estimated Length of Stay: days

Diagnosis:

Code FULL (no ACP docs)

Decision Maker: Not Active

Status: Inpatient

Pre-procedure COVID-19 Testing

- Continue universal pre-procedure testing (unable to risk stratify the patient)
- Risk stratify the procedure (waiting 4-6 weeks for elective surgery post COVID-19)
- Universal respiratory precautions for intubation (aerosolizing procedures)

COVID-19 Test Order Questions (Exhibit 1)

- Order questions required for reporting to various government agencies
- Basis for ODH statistics for symptomatic, long term care and healthcare employees

Ambulatory COVID-19 Treatments

- Sotrovimab neutralizing activity against the BA.2 subvariant of Omicron (pre-clinical data)
- Pseudotyped Virus-like particle assessment indicate that **bebtelovimab retains activity against Omicron (B.1.1.529/BA.1, South Africa origin), Omicron [+R346K] (BA.1.1), and Omicron BA.2 variant lineages**
- In authentic SARS-CoV-2 assays, bebtelovimab retained activity against variant virus isolates from Omicron (B.1.1.529/BA.1) lineages.

Bebtelovimab formulary review (expect to receive next week)

- FDA EUA (2/11) age 12 and up (> 40 kg) high risk progression to severe COVID-19 (\$1200 per dose) provided by allocation by HHS / ODH
- Single 175 mg infusion over 30 seconds (IV push) within 7 days onset of symptoms
- Pregnancy or recent pregnancy risk factor for high risk progression to severe COVID-19

Availability of Outpatient Treatment

- Doses of Sotrovimab available at all five infusion centers (20 total)
- Courses of Paxlovid available at all five hospital retail pharmacies (30 total)
- Courses of Molnupiravir available at all five hospital retail pharmacies (over 200 total)

Home COVID-19 Antigen Test Kits Contain Sodium Azide (Na₃)

- Sodium azide, preservative liquid reagent in several SARS-CoV-2 antigen test kits
- Ingestion can cause hypotension, dizziness, headaches or palpitations.
- Exposure can cause skin, eye or nasal mucosa irritation. Wash hands after use.
- Cincinnati Children's based Drug and Poison Information Center logged 38 cases of sodium azide exposure
- Risk is low when these tests are used and disposed of properly

Home COVID-19 Test Kits

- Store the kits in a high cabinet, preferably locked, and out of sight of children
- When done testing, wrap the contents of the kit and dispose of them out of your home
- Check children's backpacks for kits, in case your child's school sent one home

Ohio Poison Information Centers (55 nationwide) 800-222-1222

- Cincinnati Children's Drug and Poison Information Center covers Southwest Ohio and Northeast Ohio, including Akron.
- Nationwide Children's Central Ohio Poison Center handles the other half of the state
- Southwest Ohio Public Health Infectious Disease Call Center – 877-774-4636

Consolidated Instance (Epic)

- Orderset changes 03-16-22 includes blood transfusion
- Fully optimized by 04-19-22 (last day monthly bucket changes go into production)
- Greeneville go-live 05-21-22
- Richmond go-live 10-08-22
- Hampton Roads go-live 12-10-22

Next Mercy Health Clinician Zoom Update ... Wednesday, March 2 (12:30 – 1:00 pm)

Guest: Patty Manning, MD; Chief of Staff Cincinnati Children's Hospital Medical Center
Evolving impact of COVID-19 in the pediatric population

Exhibit 1 ... SARS-CoV-2 Order Questions

SARS-CoV-2 NAAT (Rapid)
✓ Accept ✗ Cancel

Priority: Routine **STAT** Timed Add-On

Frequency: 1 Time Daily Tomorrow AM

Starting: Today Tomorrow At:

First Occurrence: **Today 1000**

⌵ Show Scheduled Times

Specimen Source:

❗ Is this test for diagnosis or screening?

❗ Employed in healthcare setting?

❗ Resident in a congregate (group) care setting?

Pregnant:

Previously tested for COVID-19?

Comments: ➕ Add Comments

❗ Next Required
✓ Accept ✗ Cancel

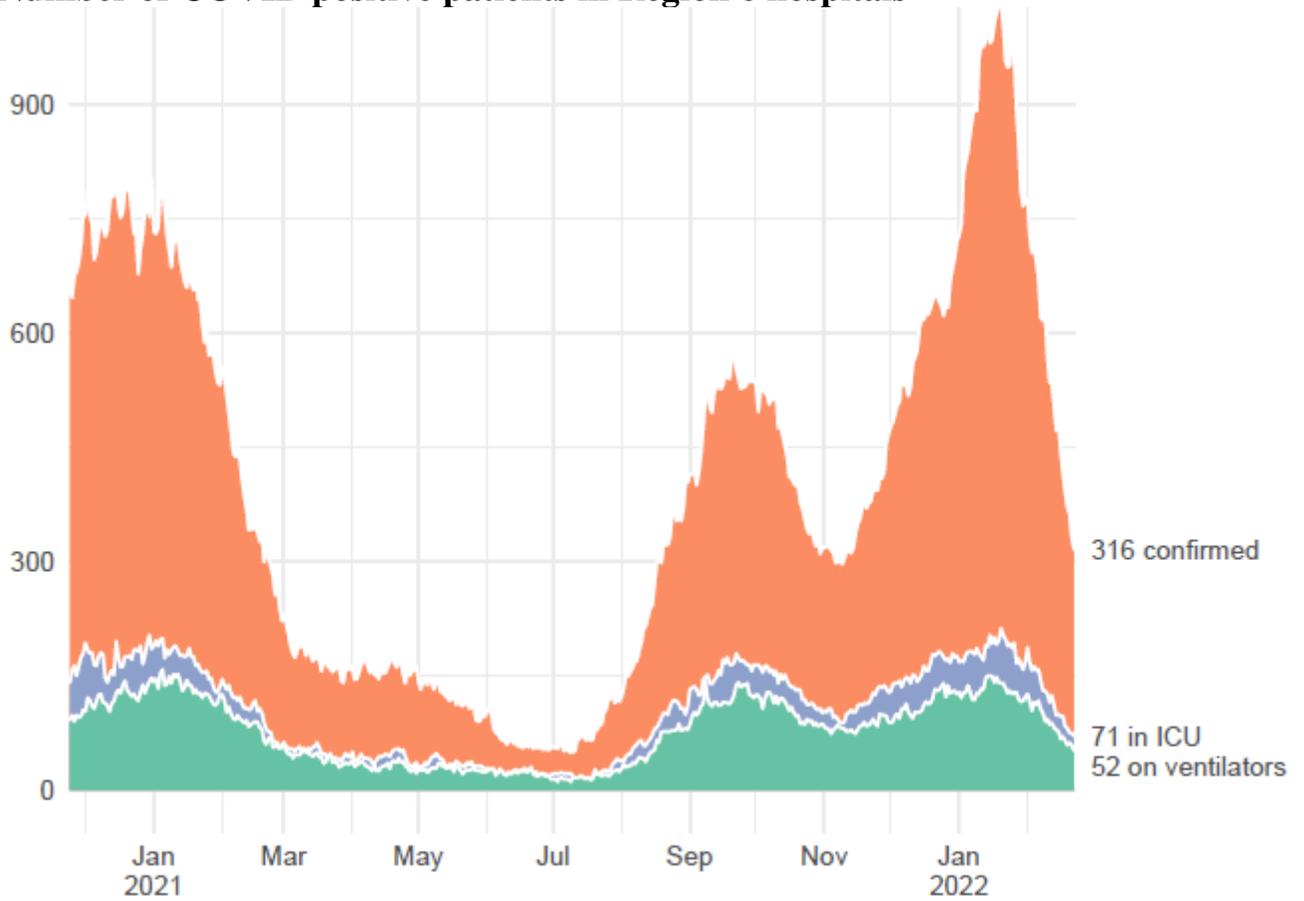
Exhibit 2 ... NIH COVID-19 Treatment Guidelines

Figure 1. Therapeutic Management of Nonhospitalized Adults With COVID-19

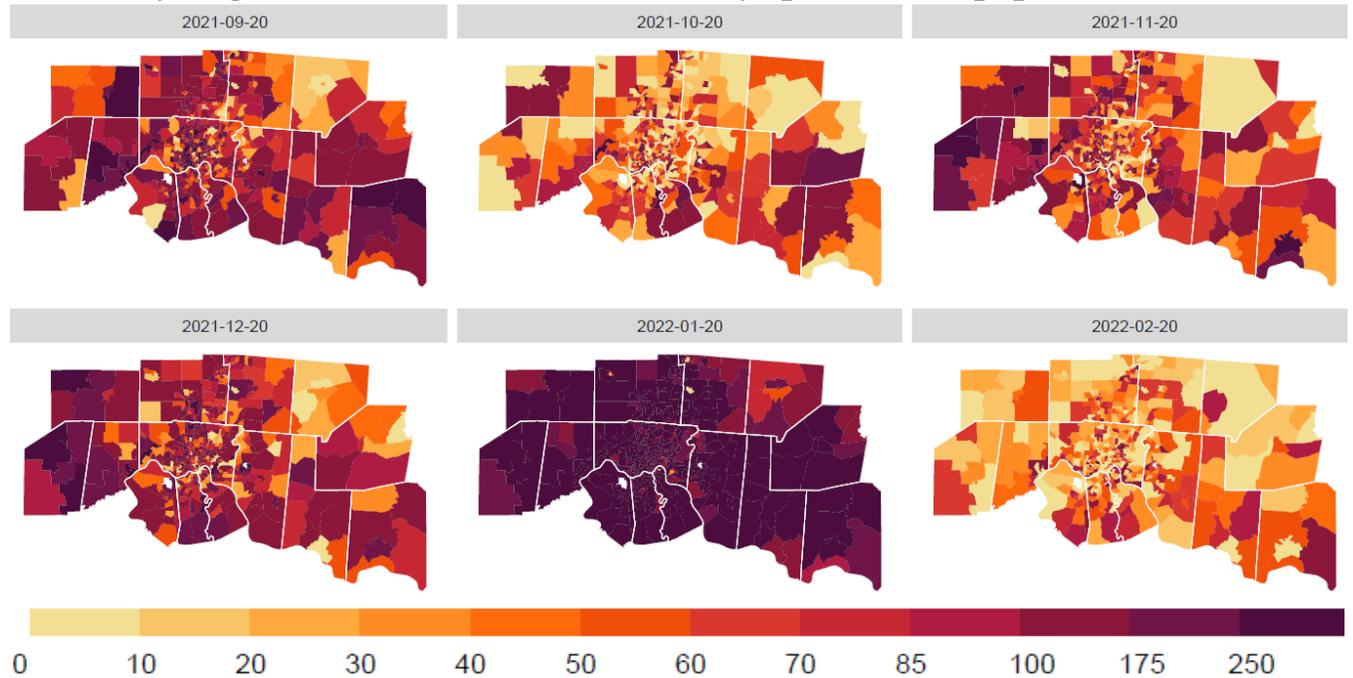
PATIENT DISPOSITION	PANEL'S RECOMMENDATIONS
<p>Does Not Require Hospitalization or Supplemental Oxygen</p>	<p>All patients should be offered symptomatic management (AIII).</p> <p>For patients who are at high risk of progressing to severe COVID-19^a (treatments are listed in order of preference based on efficacy and convenience of use):</p> <ul style="list-style-type: none"> • Ritonavir-boosted nirmatrelvir (Paxlovid)^{b,c} (AIIa) • Sotrovimab^d (AIIa) • Remdesivir^{e,e} (BIIa) • Molnupiravir^{c,f} (CIIa) <p>The Panel recommends against the use of dexamethasone or other systemic corticosteroids in the absence of another indication (AIII).^g</p>
<p>Discharged From Hospital Inpatient Setting in Stable Condition and Does Not Require Supplemental Oxygen</p>	<p>The Panel recommends against continuing the use of remdesivir (AIIa), dexamethasone^g (AIIa), or baricitinib^g (AIIa) after hospital discharge.</p>
<p>Discharged From Hospital Inpatient Setting and Requires Supplemental Oxygen</p> <p><i>For those who are stable enough for discharge but who still require oxygen^h</i></p>	<p>There is insufficient evidence to recommend either for or against the continued use of remdesivir or dexamethasone.</p>
<p>Discharged From ED Despite New or Increasing Need for Supplemental Oxygen</p> <p><i>When hospital resources are limited, inpatient admission is not possible, and close follow-up is ensuredⁱ</i></p>	<p>The Panel recommends using dexamethasone 6 mg PO once daily for the duration of supplemental oxygen (dexamethasone use should not exceed 10 days) with careful monitoring for AEs (BIII).</p> <p>Since remdesivir is recommended for patients with similar oxygen needs who are hospitalized,¹ clinicians may consider using it in this setting. Given that remdesivir requires IV infusions for up to 5 consecutive days, there may be logistical constraints to administering remdesivir in the outpatient setting.</p>

Rating of Recommendations: A = Strong; B = Moderate; C = Optional
Rating of Evidence: I = One or more randomized trials without major limitations; IIa = Other randomized trials or subgroup analyses of randomized trials; IIb = Nonrandomized trials or observational cohort studies; III = Expert opinion

Number of COVID positive patients in Region 6 hospitals



14 County Region Positive cases over last 7 days per 100,000 population over time



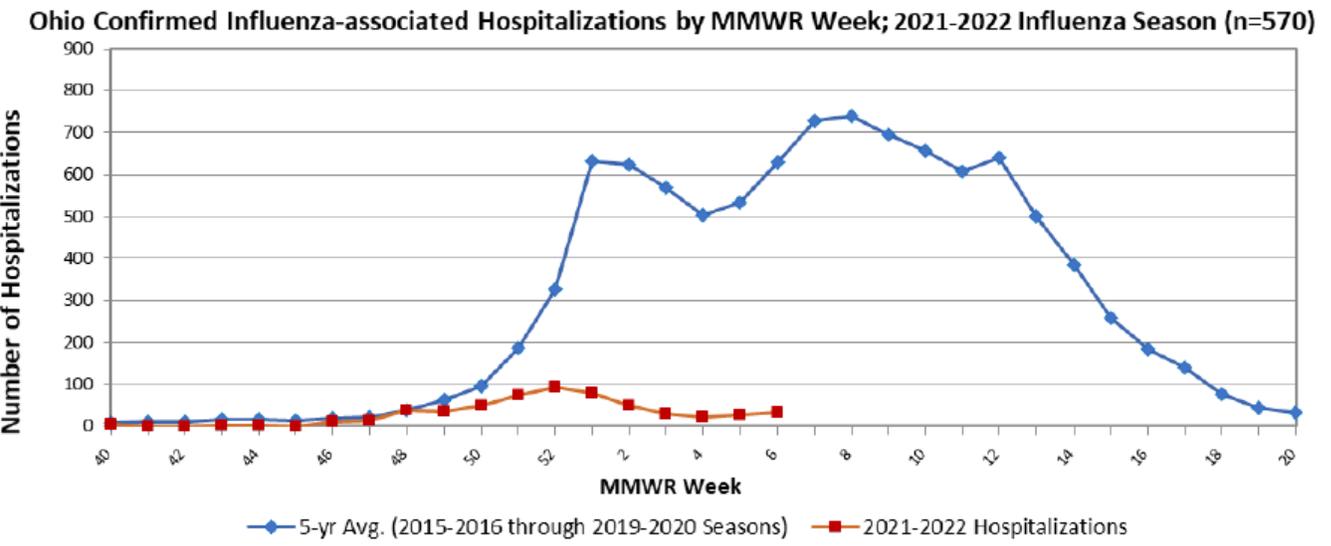
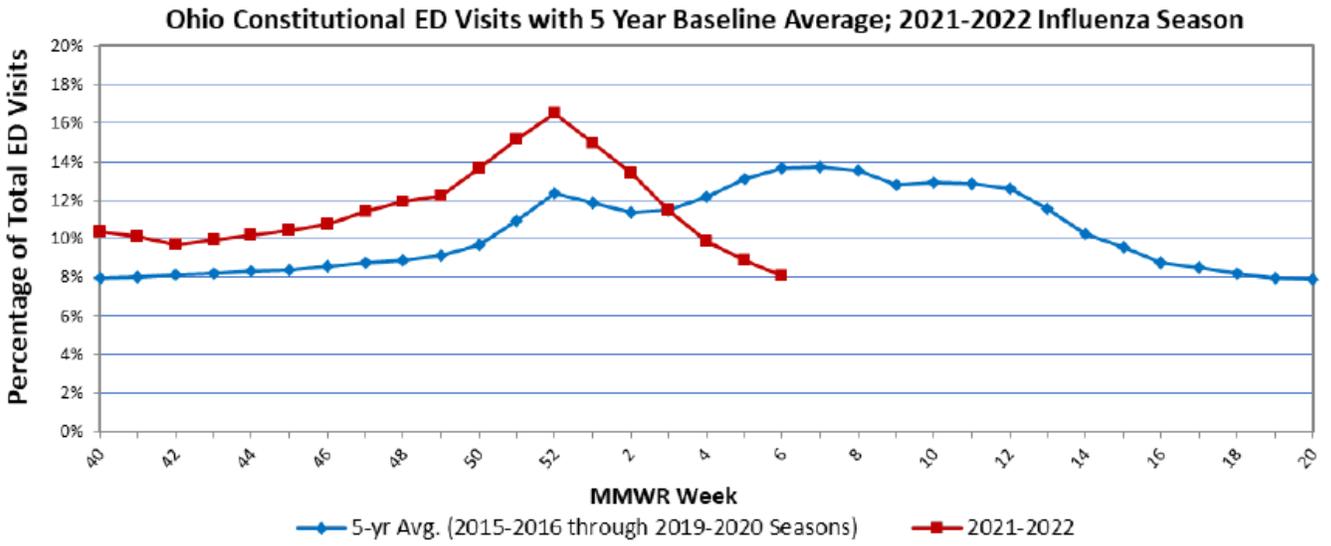


FIGURE. Weekly COVID-19-associated hospitalization rates* among children and adolescents aged 0–17 years, by age group — COVID-NET, 14 states,† July 3, 2021–January 22, 2022

