

COVID: Monoclonal Antibody Administration

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Clinician Ordering Treatment

Regardless of whether you work in ED, AMB, HB AMB, HOD, you need to determine where the patient is receiving treatment.

Emergency Department

Clinician will place the OrderSet

- Clinician **MUST** verify that the medication is available at the location where the patient will receive it.
- Follow your normal workflow for notifying/creating an appointment for the patient's treatment.
- The Patient **MUST** receive the Fact Sheet prior to infusion.

Go to Patient Instruction - added AAH PI COVID MONOCLONAL PATIENT FACT SHEET [5550001555]. This is only needed if you did not print the fact sheet when ordering.

Ambulatory / HOD IV Therapy / HB Amb Dept.

Clinician will place the IV Therapy Plan.

- Clinician **MUST** verify that the medication is available at the location where the patient will receive it.
- Follow your normal workflow for notifying/creating an appointment for the patient's treatment.
- The patient **MUST** receive the Fact Sheet prior to infusion.
- Go to Patient Instruction - added AAH PI COVID MONOCLONAL PATIENT FACT SHEET [5550001555]. This is only needed if you did not print the fact sheet when ordering.
- For steps to enter a Therapy Plan, see page 6 for details on entering the IV Therapy Plan.

Emergency Department

Registration

Follow the normal emergency department arrival/ admission procedures outlined in the job aids listed below.

For Wisconsin team members:

- [Emergency Department Patient Arrival](#)
- [Emergency Department Patient Registration](#)

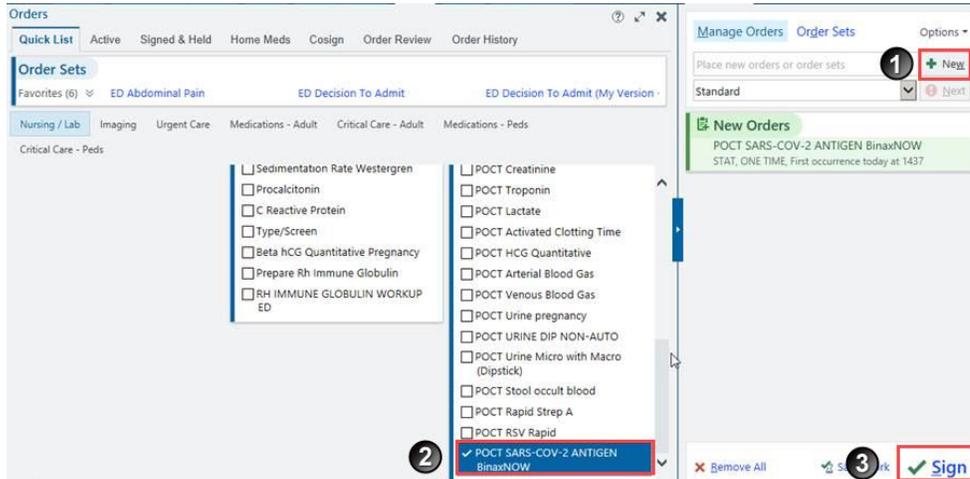
For Illinois team members:

- [Emergency Department Patient Arrival](#)

ED Point of Care ordering

Follow the steps below to order the POCT SARS-COV-2 Antigen BinaxNOW

1. Go to the **Orders Activity** and click the **New** button.
2. Find the **POCT SARS-COV-2 ANTIGEN BinaxNOW** order and **check** it.
3. **Sign order.**

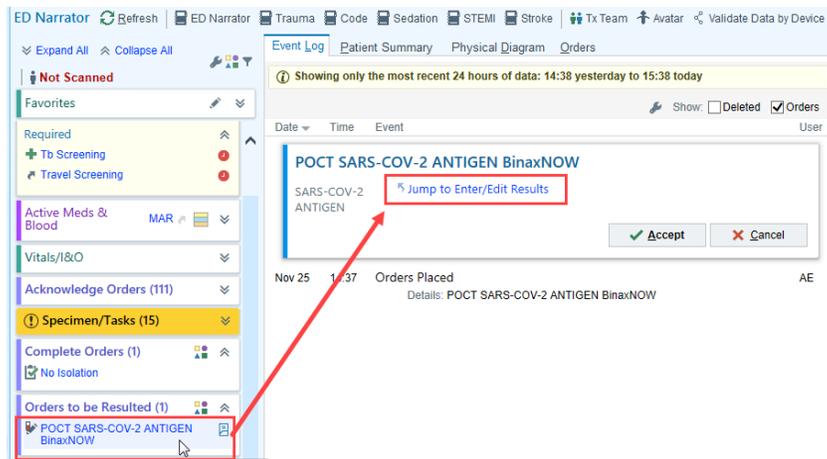


ED Orders sent to lab

If your department does not complete POC testing for COVID, use your existing process for selecting the correct SARS-COVID order.

ED Resulting

1. Go to the **ED Narrator** and click on the **POCT SARS-COV-2 ANTIGEN BinaxNOW** link.
2. Click the **Jump to Enter/Edit Results** and **document the results** of the test like normal.



3. **Single click on the POCT test** and click the **Edit** button. **Complete the hard stops** and make sure you change the status to **Final**.

The screenshot shows the 'Enter/Edit Results' window. At the top, there are navigation tabs: Chart Review, Triage, Narrator, Disposition, Orders, MAR, Consults, Patient Events Log, Enter/Edit Results, and Sepsis. Below the tabs, there are buttons for Filter, Edit, Dictation, Media Manager, and Exit Result. A filter bar shows 'Outstanding Point of Care' and 'Testing ordered on or after 9/5/2020 (1)'. A table lists test results, with one row highlighted: '11000371550 POCT SARS-COV-2 ANT IGEN IPOC2I Custom 12/04/2020 EMERGENCY, F Ordered STAT Ordered'. Below the table, there are sections for Specimen (Type: Swab [72], Collected by, Collection date, Collection time), Resulting Lab (Lab name, Technician, Billing: EMERGENCY, ADMG PI, Resulting), and Results Message (Recipient, Modifier, Add PCP, Add My List, Build My Lists, Clear All). A 'Components' table shows 'POCT SARS-COV-2 ANT' with a value of 'Negative'. On the right, there are 'Result' fields for Date, Time, and Abnormal, and a 'Status' dropdown set to 'Final'. Buttons for 'Accept', 'Accept/Next', and 'Discard Changes' are at the bottom.

ED Provider Orders ED Monoclonal Antibody Drug

1. Open the **Orders activity** and click **Order Sets**.
2. Search for the **Monoclonal Antibody** and **open the Order Set**.

The screenshot shows the 'Orders' window with a search for 'BAMLAN'. The 'Order and Order Set Search' dialog is open, showing a list of order sets. The first result is '1600... ED BAMLANIVIMAB/ETESEVIMAB (ADULT and... ED BAMLANIVIMAB/ET...'. The 'Order Sets & Panels' section is expanded, showing the search results.

3. There is a hard stop by the order. Click on the **order details** and answer the required questions. The order instructions are listed at the top of the order.

The screenshot shows the 'Order Details' for 'bamlanivimab 700 mg, etesevimbab 1,400 mg in sodium chloride 0.9 % 110 mL total volume IVPB'. The 'Order Inst.' field contains a restricted emergency use authorization. Below, there are 'Reference Links' and a series of questions with 'Yes/No' options. The questions are: 'Patient has Mild to Moderate Disease, not requiring hospitalization or oxygen supplementation due to COVID?', 'Does the patient meet all eligibility criteria and at least one High-risk indication:', 'ADULT High-Risk Indication:', and 'Has the patient, or parent/caregiver, been given the "Fact Sheet for Patients, Parents and Caregivers", informed of alternatives to receiving authorized bamlanivimab/etesevimbab, and informed that it is an unapproved drug authorized for this use?'. The 'Router' is set to 'Intravenous' and 'Frequency' is 'ONCE'. The 'Starting' date is '4/8/2021' and the 'At' time is '0915'. The 'First Dose' is 'Today 0915' and the 'Number of doses' is '1'. A 'Next Required' button is at the bottom left.

4. The provider **MUST review the Patient/Family/Caregiver Fact Sheet** with the patient.
 - A link to the Fact Sheet is within the order.
 - The Patient/Family/Caregiver Fact Sheet can also be printed from the MAR. The patient **MUST** receive a copy of this prior to giving the medication.

Administer Monoclonal Infusion

1. Go to the **ED Narrator or the MAR, scan the patient and scan the medication** to document the medication administration. You may re-print the Fact Sheet from the MAR if needed.
2. **Monitor patient** based on order guidelines.

Ambulatory / HOD IV Therapy / HB Amb Dept.

Registration

Follow normal scheduling, registration, and check-in workflows for these departments using the procedures outlined in the job aids listed below...

For Wisconsin team members:

- [Appointment Scheduling - General](#)
- [Checking in an Appointment](#)
- [Patient Registration](#)
- [Hospital Accounts - Creating and Attaching](#)

For Illinois team members:

- [Appointment Scheduling - General](#)
- [Checking in an Appointment](#)
- [Hospital Accounts - Creating and Attaching](#)

Order Monoclonal Antibody IV Therapy

Nursing will **review the chart** prior to the patient arriving for the referring clinician's assent documentation within the medication order.

1. Open the **Therapy Plan** activity. A list of available Therapy Plans will show on the left of the activity.

2. Problem List: Add the patient problem

The screenshot shows the 'Therapy Plans' interface. In the top navigation bar, the 'Thera...' button is highlighted with a red box and a circled '1'. On the left sidebar, the 'Problem List' option is highlighted with a red box and a circled '2'. In the main content area, the 'Problem List' section is active, showing a search bar with an 'Add' button highlighted by a red box. Below the search bar, there is a list of problems, with 'COVID-19 virus detected' listed as a problem being addressed during this admission.

3. Dosing Weight: Enter the weight. This is what will be used to dose the medications.

The screenshot shows the 'Therapy Plans' interface with the 'Dosing Weight' section active. The 'Dosing Weight' option in the left sidebar is highlighted with a red box. A red arrow points from this box to the 'Weight KG' input field in the 'Height and Weight' section, which is also highlighted with a red box. The 'Dosing Weight Only' section is visible, showing a 'Dosing Weight KG' input field and a note: 'This weight value will be used when calculating IV Drip administration.'

4. Select Other Agents and select one of the Monoclonal Antibody Therapy Plans

- Bamlanivimab/Etesevimab
- Casirivimab/Imdevimab

The screenshot shows the 'Therapy Plans' interface with the 'COVID Treatment' section active. The 'COVID Treatment' option in the left sidebar is highlighted with a red box. A red arrow points from this box to the 'Assign' button in the 'No assigned therapy plan' section. Below the 'Assign' button, there is a list of available therapy plans, including 'BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC)' and 'CASIRIVIMAB/IMDEVIMAB (ADULT AND PEDIATRIC)'. The 'Close' button is also visible at the bottom.

5. Enter the appropriate details:

- **Plan start date:** Enter 'T' for today if you are unsure of the date
- **Problem:** select the problem that requires the patient to receive treatment
- **Assign Plan:** Click Assign Plan

The screenshot shows the 'Therapy Plan Properties - BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC)' dialog box. The 'Plan name' field is populated with 'BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC)'. The 'Plan start date' field is highlighted with a red box and a circled '1'. The 'Lead provider' and 'Treatment department' fields are empty. The 'Problems associated with this treatment are:' section shows a table with one problem highlighted by a red box and a circled '2':

Code	Description	Most Recent Stage	Overview	Resolves To
<input type="checkbox"/>	U07.1 Lab test positive for detection of COVID-19 virus			

The 'Assign Plan' button is highlighted with a red box and a circled '3'. The 'Add to favorites' checkbox is unchecked.

- The Therapy Plan will open. Some items are prechecked. You can check/uncheck the orders you need. This is a ONE TIME medication, so you will not have to worry about changing the intervals of individual orders.
- Click on the **monoclonal antibody med order**, to open the order details.

Medications

bamlanivimab 700 mg, etesevimab 1,400 mg in sodium chloride 0.9 % 110 mL total volume IVPB Once 1/1 remaining

700 mg ONCE, Intravenous, Administer over 22 Minutes, Starting when released, For 1 dose
Monitor patient for infusion-related reactions during infusion and for one hour after.
Program on Alaris Pump under bamlanivimab using the bamlanivimab dose. Infuse using 0.2 or 0.22 micron in-line filter. * Do NOT Shake * * Protect from Light *

- Print out the **Fact Sheets** and complete the **hard stops**

Order Details How should the order be given on those days?

Order Inst: **** RESTRICTED: Emergency Use Authorization for OUTPATIENT administration only **** Order will be reviewed against appropriate use criteria. Patients must be 12 years or older, weigh 40 kg or greater and have at least one defined high risk factor in order to receive bamlanivimab/etesevimab. Bamlanivimab/etesevimab is NOT authorized for administration to the following patients:
- Patients hospitalized due to COVID-19
- Patients that require oxygen therapy due to COVID-19
- Patients that require an increase in baseline oxygen flow rate due to COVID-19 in those on chronic oxygen therapy due to underlying non-COVID-19 related respiratory condition.

Reference Links: [1. Healthcare Provider Fact Sheet](#) [2. Patient/Family/Caregiver Fact Sheet](#) [3. Patient/Family/Caregiver Fact Sheet \(Spanish\)](#)
[4. Lexicomp](#)

1 Patient has Mild to Moderate Disease, not requiring hospitalization or oxygen supplementation due to COVID?
Yes No

2 Does the patient meet all eligibility criteria and at least one High-risk indication?
Yes No

3 ADULT High-Risk Indication:

4 Has the patient, or parent/caregiver, been given the "Fact Sheet for Patients, Parents and Caregivers", informed of alternatives to receiving authorized bamlanivimab/etesevimab, and informed that it is an unapproved drug authorized for this use?
Yes No

Route: **Intravenous**

- Sign Plan:** Scroll back to the top of the orders and click **Sign Plan**. The plan **MUST** be signed or the orders cannot be carried out.

COVID Treatment ↑ ↓

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) Plan start: 4/8/2021 Not assigned - Properties

Add a new order

Show: Order Details

- When a therapy plan has been signed, the title of the plan will turn green and you will see green check marks by each order.

- Review Plan:** Click the **Review Plan** when you are done signing the Therapy Plan. The nurse will not be able to act on these orders unless the Review Plan button is selected.

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC)

Nursing Orders

<input checked="" type="checkbox"/> Vital Signs ONE TIME, Starting when released Vital signs prior to infusion including temperature	Once	1/1 remaining	Thu 4/8/2021		
<input checked="" type="checkbox"/> Vital Signs AS DIRECTED, Starting when released, Until Specified Until Specified, Blood pressure, heart rate, and respiratory rate every 15 minutes for the duration of the infusion and for 1 hour post-infusion	Once	1/1 remaining	Thu 4/8/2021		
<input checked="" type="checkbox"/> Monitor UNTIL DISCONTINUED, Starting when released, Until Specified Monitor patient for infusion-related reaction during the infusion and for 1 hour post-infusion	Once	1/1 remaining	Thu 4/8/2021		
<input checked="" type="checkbox"/> Notify: Treatment UNTIL DISCONTINUED, Starting when released, Until Specified Provider to Notify: Physician Other: if signs and symptoms of a clinically significant hypersensitivity reaction or anaphylaxis occur, or any other infusion-related reactions	Once	1/1 remaining	Thu 4/8/2021		
<input checked="" type="checkbox"/> Nursing communication UNTIL DISCONTINUED, Starting when released, Until Specified If signs and symptoms of a clinically significant hypersensitivity reaction or anaphylaxis occur, immediately discontinue administration and initiate appropriate medications and/or supportive care and notify the provider. If the patient experiences any other infusion-related reactions, stop the infusion and notify the provider. Only restart/slow the infusion if directed to do so by the provider and provide supportive care as directed by provider.	Once	1/1 remaining	Thu 4/8/2021		

Medications

<input checked="" type="checkbox"/> bamlanivimab 700 mg, etesevimab 1,400 mg in sodium chloride 0.9 % 110 mL total volume IVPB 700 mg ONCE, Intravenous, Administer over 22 Minutes, Starting when released, For 1 dose Monitor patient for infusion-related reactions during infusion and for one hour after. Program on Alaris Pump under bamlanivimab using the bamlanivimab dose. Infuse using 0.2 or 0.22 micron in-line filter. * Do NOT Shake * * Protect from Light *	Once	1/1 remaining	Thu 4/8/2021		
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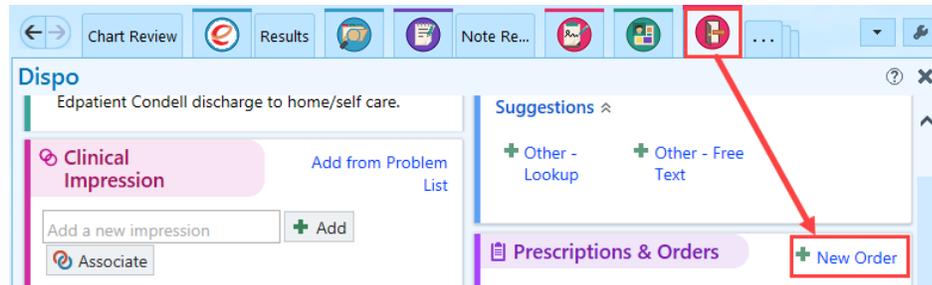
Never reviewed

Service to Infusion Center Order – IL ONLY

1. Search for the new "Service to Infusion Center IL" order
 - a. **Add from an Appointment:** From the Visit Taskbar → click Add Order



- b. **Add from the Emergency Department:** Go to the Dispo activity → Select New Order from the Prescriptions & orders component.



2. **Process Instructions:** Only place this order **AFTER** an Epic Therapy Plan has been entered and signed by the authorizing Provider.
3. **Infusion Location:** **Select** where the patient will be having their services performed at.
4. **Has the Therapy Plan been entered and signed by Provider?:** Select **Yes** or **No**
5. Click **Accept**.

 A screenshot of the "SERVICE TO INFUSION CENTER IL" order entry form. The form includes several sections:

- 2** Process Inst: As part of the Illinois Infusion Center protocol, an Epic Therapy Plan must be entered into the system and signed by the authorizing Provider prior to placing this Service To Order.
- Priority: Routine (selected), STAT, ASAP, Today, Routine
- Class: Internal AH (selected), Internal AH, External
- Quantity: 1 (The maximum orderable quantity for this procedure is 900)
- Modifiers: [empty]
- 3** Infusion Location: A list of infusion centers including Advocate Children's Infusion Center, Advocate Christ CHF, Advocate Christ OPP Infusion Center, Advocate Good Shepherd Infusion Center, Advocate Illinois Masonic Center for Advanced Care, Advocate Illinois Masonic Infusion Center, and Advocate Infusion Center.
- 4** Has the Therapy Plan been entered and signed by Provider? Yes No
- 5** Accept Cancel buttons at the bottom right.

6. **Sign your Orders.**

Release IV Therapy Medication

1. Open the **Infusion** activity / **Therapy Plans** activity

2. Select the **Plan Summary** to show the therapy plan that is ordered. Click the **Therapy Plan hyperlink**.

Therapy Plans

Plan Summary

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) COVID Treatment Treatment 1 Today 17/17 0/17

Close Previous Next

3. Click **Begin Treatment** from within the plan.

COVID Treatment

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) Plan start: 4/8/2021 Not assigned - Properties

Begin Treatment 1 Treatment Edit Plan Actions

Order Filters: All Due PRN Future Show: Order Details

4. The orders will automatically be selected. Based on the time of day or your location select/unselect orders as needed and click **Release**.

Interval	Duration	Due	Last Released
<input checked="" type="checkbox"/> BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) Due: 17 due orders have not been released			
<input checked="" type="checkbox"/> Nursing Orders			
<input checked="" type="checkbox"/>	Vital Signs	Once	1/1 remaining Thu 4/8/2021
ONE TIME, Starting when released			
Vital signs prior to infusion including temperature			
<input checked="" type="checkbox"/>	Vital Signs	Once	1/1 remaining Thu 4/8/2021
AS DIRECTED, Starting when released, Until Specified			
Until Specified, Blood pressure, heart rate, and respiratory rate every 15 minutes for the duration of the infusion and for 1 hour post-infusion			
<input checked="" type="checkbox"/>	Monitor	Once	1/1 remaining Thu 4/8/2021
UNTIL DISCONTINUED, Starting when released, Until Specified			
Monitor patient for infusion-related reaction during the infusion and for 1 hour post-infusion			
<input checked="" type="checkbox"/>	Notify: Treatment	Once	1/1 remaining Thu 4/8/2021
UNTIL DISCONTINUED, Starting when released, Until Specified			
Provider to Notify: Physician			
Other: If signs and symptoms of a clinically significant hypersensitivity reaction or anaphylaxis occur, or any other infusion-related reactions			
<input checked="" type="checkbox"/>	Nursing communication	Once	1/1 remaining Thu 4/8/2021
UNTIL DISCONTINUED, Starting when released, Until Specified			
If signs and symptoms of a clinically significant hypersensitivity reaction or anaphylaxis occur, immediately discontinue administration and initiate appropriate medications and/or supportive care and notify the provider. If the patient experiences any other infusion-related reactions, stop the infusion and notify the provider. Only restart/rew the infusion if directed to do so by the provider and provide supportive care as directed by provider.			
<input checked="" type="checkbox"/> Medications			
<input checked="" type="checkbox"/>	bamlanivimab 700 mg, etesevimab 1,400 mg in sodium chloride 0.9 % 110 mL, total volume IVPB	Once	1/1 remaining Thu 4/8/2021
700 mg ONCE, Intravenous, Administer over 22 Minutes, Starting when released, For 1 dose			
Monitor patient for infusion-related reactions during infusion and for one hour after			
Program on Nurse Pump under bamlanivimab using the bamlanivimab dose. Infuse using 0.2 or 0.22 micron in-line filter. * Do NOT Shake * * Protect from Light *			

Begin Treatment 1 Select Orders Release Close Previous Next

5. Go to the **MAR** and **complete your normal medication administration workflow**.
6. Go back to the Infusion/Therapy plan activity. Select the **Plan Summary** and select the **Therapy Plan hyperlink**. This will reopen the Therapy Plan.
7. Click the **Actions** button and select **Complete Treatment**.

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) Plan start: 4/8/2021 Not assigned - Properties

Begin Treatment 1 Select Orders Release Close Previous Next

Order Filters: All Due PRN Future

Interval Duration

BAMLANIVIMAB/ETESEVIMAB (ADULT AND PEDIATRIC) Complete: All due orders have been released

Started on Thu 4/8/2021 Next Actions

- Day Actions
- Sign Unsigned Orders
- Start Times
- Complete Treatment**
- Cancel Treatment
- Plan Actions