

# CPRS Clozapine Ordering Changes – Quick Reference Card

## FDA Guidelines for Monitoring Clozapine Patients:

- The ANC result is the laboratory blood test of choice for monitoring patients on clozapine
- VistA requires a matching WBC result from the same draw date/time

ANC Level	ANC Monitoring	Frequency of ANC Lab Tests
Normal range	ANC $\geq$ 1500/cmm	<ul style="list-style-type: none"> <li>• Weekly for patients 1 – 6 months on therapy</li> <li>• Bi-weekly for patients 6 – 12 months on therapy</li> <li>• Monthly for patients &gt;12 months on therapy</li> </ul>
Mild neutropenia	1000 – 1499/cmm	3x weekly until ANC stabilizes to 1500/cmm or greater
Moderate neutropenia	500 – 999/cmm	Daily until ANC stabilizes to 1000/cmm or greater, then 3x weekly until ANC stabilizes to 1500/cmm or greater
Severe neutropenia	< 500/cmm	Daily until ANC stabilizes to 1000/cmm or greater, then 3x weekly until ANC stabilizes to 1500/cmm or greater

## Local Override

The conditions when a Local Override is allowed include:

- ANC between 1000 – 1499/cmm: Mild Neutropenia
- No ANC: Emergency 4 day Supply for Special Conditions
- Non-registered patient: Emergency 4 day Supply allowed with a temporary authorization number assigned during non-duty hours

## National Override

The conditions when a National Override is allowed include:

- Moderate to Severe Neutropenia
- ANC results have No Matching WBC result
- No ANC result in last 7 days (non-emergency)

## Normal ANC

When a registered patient with temporary or permanent authorization has an ANC result of 1500/cmm or greater with a matching WBC in the last 7 days, there is no CPRS message to the provider and a pending order is sent to pharmacy.

## Non-Registered Patient – Emergency Registration Override – Temporary Authorization

For a patient who is not actively registered, the CPRS message instructs the provider to send a written order to the pharmacy where a temporary local authorization number is assigned **during non-duty hours** for a one-time **emergency 4 day supply**.

\*Must have ANC result of 1500/cmm or greater with a matching WBC in the last 7 days.

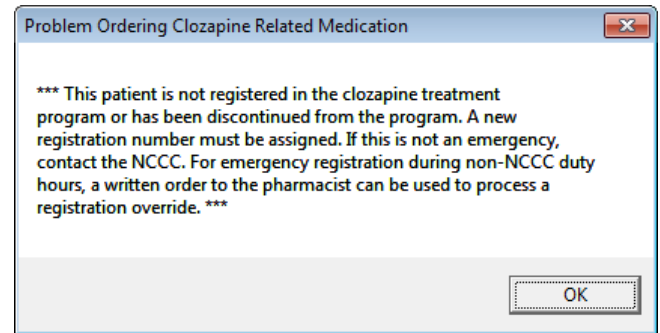


Figure 1: Emergency Registration Override

## Mild Neutropenia

When a registered patient has an ANC result of 1000-1499/cmm (Mild neutropenia) with a matching WBC in the last 7 days, the message the provider receives in CPRS instructs them to test ANC 3x weekly until ANC stabilizes to greater than or equal to 1500/cmm. A pending order is sent to pharmacy for a Local Override.

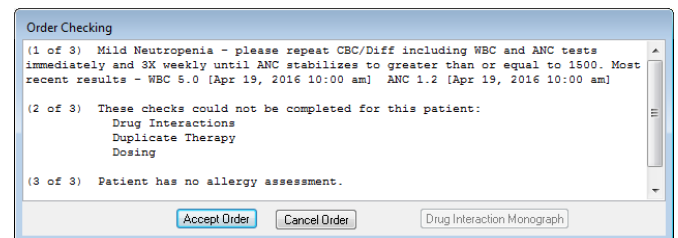


Figure 2: Mild Neutropenia

ANC unit of measure: cells per cubic millimeter  
(cmm = cu mm = mm<sup>3</sup> =  $\mu$ L)

## Moderate and Severe Neutropenia

When a registered patient has an ANC result less than 1000/cmm (Moderate is 500-999/cmm and Severe is less than 500/cmm), with a matching WBC in the last 7 days an NCCC Authorized National Override is required before the order can be placed. Once a national override is in place, the messages the provider receives in CPRS instructs them to test ANC Daily until ANC stabilizes to greater than or equal to 1500/cmm.

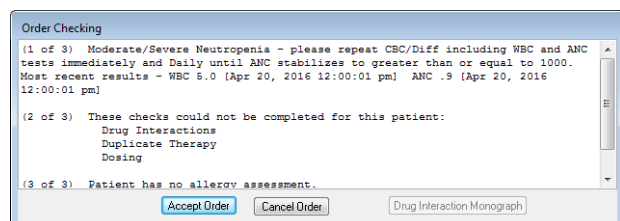


Figure 3: Message 1

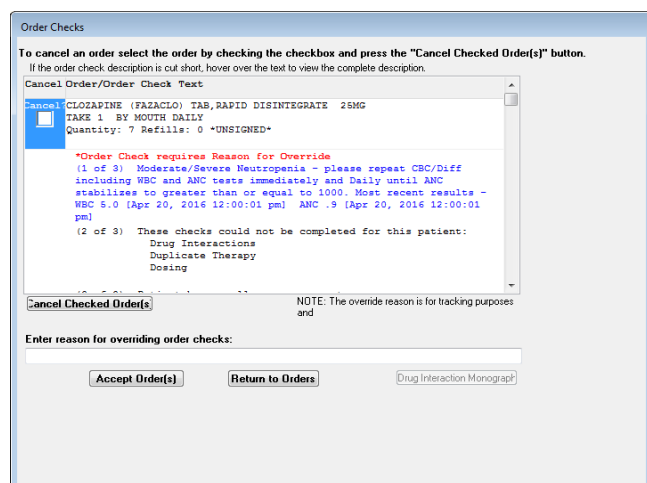


Figure 4: Message 2

Note: Once the ANC stabilizes at 1000/cmm, the ANC is to be tested 3x weekly until it stabilizes to 1500/cmm or greater.

## No Matching WBC result – No National Override in effect

When a registered patient has an ANC result in the last 7 days but no Matching WBC result, and a National Override is not in effect, the CPRS message instructs the provider to redo lab tests or contact NCCC for a National Override.

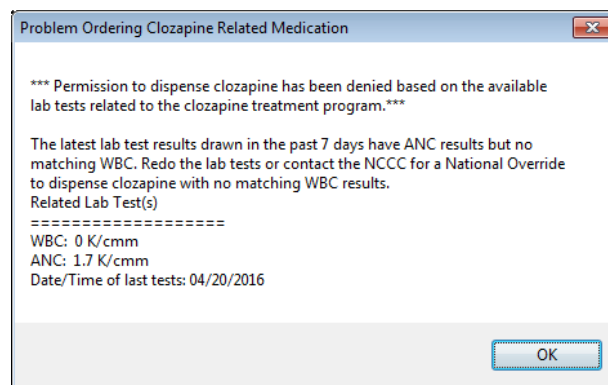


Figure 5: No Matching WBC, No National Override

## No Matching WBC result – National Override in Effect

If the provider requested and received a National Override for a patient that has an ANC result but no matching WBC, the CPRS message instructs the provider to order ANC and WBC immediately.

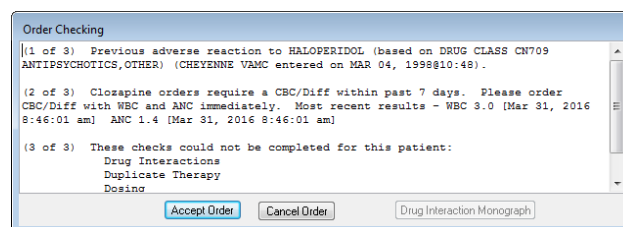


Figure 6: No Matching WBC Result, National Override

### No ANC result – National Override for non-emergency

When a registered patient has no ANC result in the last 7 days, the provider has two options. In a non-emergent situation the provider can contact the NCCC to request a National Override to dispense the patient's normal weekly, biweekly, or monthly supply.

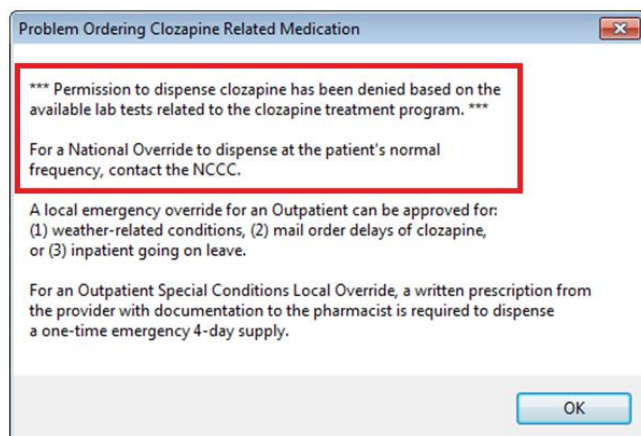


Figure 7: No ANC, National Override for Non-Emergency

### No ANC result – Outpatient Special Conditions Local Override for emergency

In an emergency situation when a registered patient has no ANC result in the last 7 days, the provider can authorize a local override to allow the patient to receive a one-time 4 day supply. The provider to write a prescription/order to the pharmacy and include one of the approved reasons: (1) weather-related, (2) mail order delays of clozapine, or (3) inpatient going on leave.

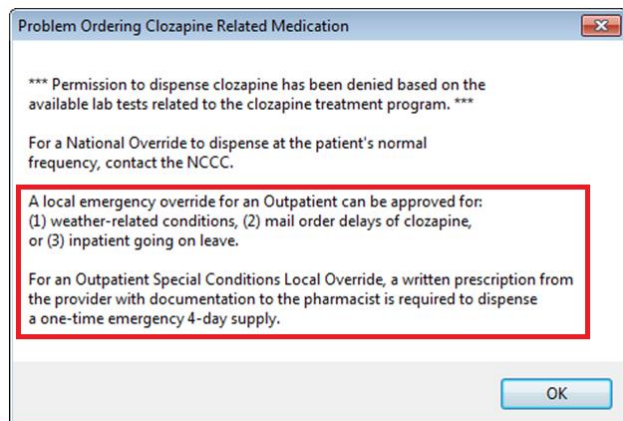


Figure 8: No ANC, Outpatient Special Conditions

### No ANC result – Inpatient Special Conditions Local Override for emergency

In an emergency situation when a registered **inpatient** has no ANC result in the last 7 days **in the local VistA system**, the provider can authorize a local override to allow the patient to receive a one-time 4 day supply. The provider can write a prescription/order to the pharmacy and include the Inpatient reason as **IP Order Override with Outside Lab Results** in addition to recording the ANC results from the outside lab.

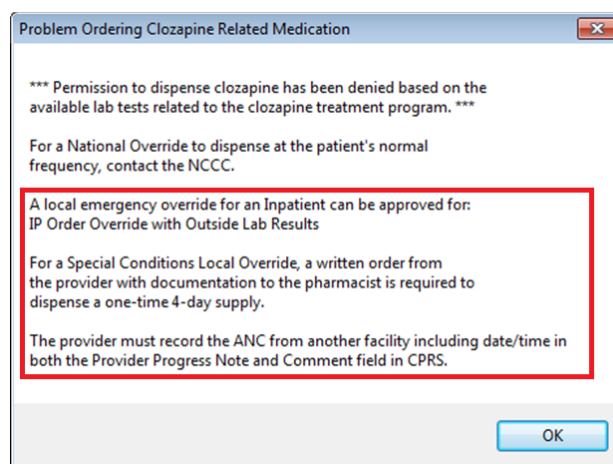


Figure 9: No ANC, Inpatient Special Conditions

### Auto-Notification to Provider

When the prescription/order that required an override is completed/verified, an auto-notification is sent to both the Provider and the Approving member of the clozapine team to both CPRS GUI and VistA Backdoor Pharmacy.

### Complex Clozapine Orders

Complex orders for clozapine may not be able to correctly calculate the stop date based on the patient's clozapine REMS monitoring frequency. Although such orders may be processed with a manual pharmacy review of the stop date(s) on the resulting child orders in the pharmacy package, it is recommended you avoid the use of complex inpatient medication orders for clozapine until the software issues are resolved.