

# Instructions for the Epic® Electronic Health Record (EHR) System to Update or Create Order Sets With TEPMETKO®



## INDICATION

TEPMETKO is indicated for the treatment of adult patients with metastatic non-small cell lung cancer (NSCLC) harboring mesenchymal-epithelial transition (*MET*) exon 14 skipping alterations.

## SELECT IMPORTANT SAFETY INFORMATION

TEPMETKO can cause **interstitial lung disease (ILD)/pneumonitis**, which can be fatal. Monitor patients for new or worsening pulmonary symptoms indicative of ILD/pneumonitis (eg, dyspnea, cough, fever). Immediately withhold TEPMETKO in patients with suspected ILD/pneumonitis and permanently discontinue if no other potential causes of ILD/pneumonitis are identified. ILD/pneumonitis occurred in 2% of patients treated with TEPMETKO, with one patient experiencing a Grade 3 or higher event; this event resulted in death.

Please see Important Safety Information on page 8.

Click for full [Prescribing Information](#).



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## 1. Background

This document is intended to provide health systems with instructions to update metastatic non-small cell lung cancer (NSCLC) order sets with TEPMETKO® within the approved indication and consistent with the Prescribing Information. This document is not intended to provide any clinical advice or clinical recommendations, which are solely the responsibility of the healthcare professionals.

These instructions are specific to metastatic NSCLC and to the Epic® electronic health record (EHR) system and are not appropriate for other conditions, treatments, therapeutic areas, or other EHR systems.

## 2. Considerations

The process outlined below is variable and not all steps will apply to every health system. Any steps or settings below that are not part of a health system's standard process should be excluded or modified accordingly. Any questions should be directed to the appropriate service provider. The medical group is solely responsible for implementing, testing, monitoring, and the ongoing operation of any EHR tools.

Please consult the most recent version of the TEPMETKO package insert for full medication details. The most recent version can be found at <https://www.emdserono.com/us-en/pi/tepmetko-pi.pdf>.

A new order set will be available once the optimization process is complete. If the original order set used to update or create the new order set includes TEPMETKO, confirm the original order set is retired or removed from the EHR production system according to the medical group's EHR governing principles.



## 3. Epic Instructions

Existing protocols may be used as a foundation for metastatic NSCLC. Consider modifying a Beacon protocol as a starting template, while saving the original protocol.

There are 3 steps to update a Beacon protocol in the Epic EHR system.

- 1 Create 3 order groups to hold TEPMETKO 450 mg, the TEPMETKO Treatment Conditions (or Monitoring and Hold Parameters), and TEPMETKO Warnings and Precautions
- 2 Add the TEPMETKO package insert and resource links to the medication record
- 3 Add the Order Groups to the Beacon protocol

### Step 1: General instructions for creating the Order Groups

1. Review the Regimen Category Order Group to confirm Medications are values in the category list
2. Select the Order Group Builder (Admin > Beacon Admin > Order Group Builder)
3. Create a new Order Group named “Medications”
4. Set the default category to Medications
5. Create the following 3 Order Groups:

#### Order Group 1: TEPMETKO

- i. Right click in the empty field located on the bottom of the window
- ii. Select Add > Orders
- iii. Select TEPMETKO
- iv. Complete the TEPMETKO medication details (450 mg orally once daily with food until disease progression or unacceptable toxicity).

For the administration instructions, dose reductions, dose modifications, and other information, refer to <https://www.emdserono.com/us-en/pi/tepmetko-pi.pdf>



## Order Group 2: TEPMETKO Treatment Conditions (alternatively, consider Monitoring and Hold Parameters)

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1. Review the Regimen Category Order Group to confirm Treatment Conditions (or Monitoring and Hold Parameters) is a value in the category list
2. Select the Order Group Builder (Admin > Beacon Admin > Order Group Builder)
3. Create a new Order Group named “TEPMETKO Treatment Conditions (or Monitoring and Hold Parameters)”
4. Set the default category to Treatment Conditions (or Monitoring and Hold Parameters)
5. Complete the following TEPMETKO Treatment Conditions (or Monitoring and Hold Parameters) Order Group:
  - i. Right click in the empty field located at the bottom of the window
  - ii. Select Add > TEPMETKO Treatment Conditions (or Monitoring and Hold Parameters)
  - iii. Enter a link to the PI (<https://www.emdserono.com/us-en/pi/tepmetko-pi.pdf>) for the most recent information regarding *Patient Selection for METex14 Skipping Alterations, Recommended Dosage, Administration to Patients Who Have Difficulty Swallowing Solids, and Dose Modifications for Adverse Reactions (see Table 1)*
  - iv. Consider including recommended labs during or prior to each treatment cycle in the order set and in the treatment calendar.

## Order Group 3: TEPMETKO Warnings and Precautions

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1. Review the Regimen Category Order Group to confirm Warnings and Precautions is a value in the category list
2. Select the Order Group Builder (Admin > Beacon Admin > Order Group Builder)
3. Create a new Order Group named “TEPMETKO Warnings and Precautions”
4. Set the default category to Warnings and Precautions
5. Complete the following TEPMETKO Warnings and Precautions Order Group:
  - i. Right click in the empty field located at the bottom of the window
  - ii. Select Add > TEPMETKO Warnings and Precautions
  - iii. Enter a link to the PI (<https://www.emdserono.com/us-en/pi/tepmetko-pi.pdf>) for the most recent information regarding Warnings and Precautions



## Step 2: Add the TEPMETKO package insert links to the medication record

1. Log into the Medication Master File (ERX) with authorized user credentials
2. Use the search feature in the Medication Master File to search and select the desired medication (TEPMETKO)
3. Select the Patient Medication References Screen and create 2 new rows
  - i. **Row 1:** For Display Name, enter “TEPMETKO Package Insert.”  
In the Text field, enter: **See URL for additional TEPMETKO dosing and administration information**  
In the URL field, enter this hyperlink: <https://www.emdserono.com/us-en/pi/tepmetko-pi.pdf>
  - ii. **Row 2:** For Display Name, enter “TEPMETKO Resources for Providers (HCPs) and Patients”  
In the Text field, enter: **See URL for additional TEPMETKO Resources for Providers (HCPs) and Patients such as a Treatment Guide, Patient Brochure, and Patient Savings Offers**  
In the URL field, enter this hyperlink: <https://www.tepmetko.com/us-en/home.html>
4. Save the record
5. Release the record to production after satisfactory testing has been completed

## Step 3: Add the Order Groups to the TEPMETKO for metastatic NSCLC with METex14 skipping alterations Beacon protocol

The steps detail how to add the Order Groups (3 order groups) created in Step 1 to an existing Beacon protocol to create a new TEPMETKO for metastatic NSCLC with METex14 skipping alterations order set:

1. Click the Epic logo > Admin > Beacon Admin > Protocol Builder  
Search for order sets using the search query “metastatic NSCLC (non-small cell lung cancer)”; note that an existing TEPMETKO order set may be available to update.  
**Note:** the existing order set will serve as a template for the new TEPMETKO order set only. If the original order set used to update or create the new TEPMETKO order set includes TEPMETKO, confirm the original order set is retired or removed from the EHR production system according to the medical group’s EHR governing principles.
2. Select the treatment regimen and add the newly created order group(s) from the previous **Step 1** to the treatment regimen: **450 mg orally once daily with food**
3. Add in the second Order Group created in Step 1 with the TEPMETKO Treatment Conditions (or Monitoring and Hold Parameters)
4. Add in the third Order Group created in Step 1 with the TEPMETKO Warnings and Precautions
5. Update the Beacon protocol description to: **TEPMETKO for metastatic NSCLC with METex14 skipping alterations**
6. Click Save
7. Release to production environment after satisfactory testing has been completed

The medical groups shall be solely responsible for implementation, testing, and monitoring of the instructions to ensure proper orientation in each medical group's EHR system.

After completing the TEPMETKO order set optimization process, a new TEPMETKO order set will be available. If the original order set used to update or create the new TEPMETKO order set included TEPMETKO, confirm the original order set is retired or removed from the EHR production system according to the medical group's EHR governing principles.

Capabilities, functionality, and setup (customization) for each individual EHR system vary. EMD Serono is not responsible for revising the implementation instructions it provides to any medical group.

While EMD Serono tests its implementation instructions on multiple EHR systems, the instructions are not guaranteed to work for all available EHR systems and EMD Serono shall have no liability therefor.

While EHRs may assist providers in identifying appropriate patients for consideration of assessment and treatment, the decision and action should ultimately be made by a healthcare provider in consultation with the patient after a review of the patient's records to determine eligibility.

These instructions have not been designed and are not tools and/or solutions for meeting Advancing Care Information, and/or any other quality/accreditation requirement.

Reference to these EHRs is not intended to imply affiliation with or sponsorship of the EHR manufacturer and/or its affiliates.



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TEPMETKO can cause **hepatotoxicity**, which can be fatal. Monitor liver function tests (including alanine aminotransferase [ALT], aspartate aminotransferase [AST], and total bilirubin) prior to the start of TEPMETKO, every 2 weeks during the first 3 months of treatment, then once a month or as clinically indicated, with more frequent testing in patients who develop increased transaminases or total bilirubin. Based on the severity of the adverse reaction, withhold, dose reduce, or permanently discontinue TEPMETKO. Increased ALT/increased AST occurred in 18% of patients treated with TEPMETKO. Grade 3 or 4 increased ALT/AST occurred in 4.7% of patients. A fatal adverse reaction of hepatic failure occurred in one patient (0.2%). The median time-to-onset of Grade 3 or higher increased ALT/AST was 47 days (range 1 to 262).

TEPMETKO can cause **pancreatic toxicity** in the form of elevations in amylase and lipase levels. Increased amylase and/or lipase occurred in 13% of patients, with Grade 3 and 4 increases occurring in 5% and 1.2% of patients, respectively. Monitor amylase and lipase levels at baseline and regularly during treatment with TEPMETKO and temporarily withhold, dose reduce, or permanently discontinue based on severity of the adverse event.

TEPMETKO can cause **embryo-fetal toxicity**. Based on findings in animal studies and its mechanism of action, TEPMETKO can cause fetal harm when administered to a pregnant woman. Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential or males with female partners of reproductive potential to use effective contraception during treatment with TEPMETKO and for one week after the last dose.

Avoid concomitant use of TEPMETKO with certain **P-gp substrates** where minimal concentration changes may lead to serious or life-threatening toxicities. If concomitant use is unavoidable, reduce the P-gp substrate dosage if recommended in its approved product labeling.

**Fatal adverse reactions** occurred in one patient (0.3%) due to pneumonitis, one patient (0.3%) due to hepatic failure, one patient (0.3%) due to dyspnea from fluid overload, one patient (0.3%) due to pneumonia, one patient (0.3%) due to sepsis, and one patient (0.3%) from unknown cause.

**Serious adverse reactions** occurred in 51% of patients who received TEPMETKO. Serious adverse reactions in >2% of patients included pleural effusion (6%), pneumonia (6%), edema (5%), general health deterioration (3.8%), dyspnea (3.5%), musculoskeletal pain (2.9%), and pulmonary embolism (2.2%).

**The most common adverse reactions** ( $\geq 20\%$ ) in patients who received TEPMETKO were edema (81%), nausea (31%), fatigue (30%), musculoskeletal pain (30%), diarrhea (29%), dyspnea (24%), rash (21%), and decreased appetite (21%).

**Clinically relevant adverse reactions** in <10% of patients who received TEPMETKO included ILD/pneumonitis, fever, dizziness, pruritus, and headache.

**Selected laboratory abnormalities** ( $\geq 20\%$ ) from baseline in patients receiving TEPMETKO in descending order were: decreased albumin (81%), increased creatinine (60%), decreased lymphocytes (57%), increased alkaline phosphatase (ALP) (52%), increased ALT (50%), increased AST (40%), decreased sodium (36%), decreased hemoglobin (31%), increased gamma-glutamyltransferase (GGT) (29%), increased potassium (26%), increased amylase (25%), decreased leukocytes (25%), decreased platelets (24%), and increased lipase (21%).

**The most common Grade 3-4 laboratory abnormalities** ( $\geq 2\%$ ) in descending order were: decreased lymphocytes (15%), decreased albumin (9%), decreased sodium (9%), increased GGT (6%), increased amylase (5%), increased lipase (5%), increased ALT (4.9%), increased AST (3.6%), and decreased hemoglobin (3.6%).

Please see the full [Prescribing Information](#) for TEPMETKO.



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US-TEP-00572 09/24.

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