Oncology Colon Cancer: Chemotherapy for Stage III Colon Cancer Patients (NQF 0385)

EMeasure Name	Oncology Colon Cancer: Chemotherapy for Stage III Colon Cancer Patients	EMeasure Id	Pending
Version Number	1	Set Id	Pending
Available Date	No information	Measurement Period	January 1, 20xx through December 31, 20xx
Measure Steward	American Medical Association – Physician Consortium for Performance Improvement		
Endorsed by	National Quality Forum		
Description	Percentage of patients aged 18 years and older with Stage IIIA through IIIC colon cancer who are referred for adjuvant chemotherapy, prescribed adjuvant chemotherapy, or have previously received adjuvant chemotherapy within the 12-month reporting period.		
Measure scoring	Proportion		
Measure type	Process		
Rationale	Patients with Stage IIIA through Stage IIIC colon cancer do not always receive the recommended treatment of adjuvant chemotherapy. This measure is intended to determine whether and how often chemotherapy is administered. The specific chemotherapy drugs specified in this measure reflect the most current guidelines of the National Comprehensive Cancer Network.		
Clinical Recommendation Statement	Following primary surgical treatment, the panel recommends six months of 5-fluorouracil/leucovorin capecitabine, or 5-fluorouracil/leucovorin/oxaliplatin as adjuvant chemotherapy for patients with stage III (T1-4, N1-2, M0) colon cancer (Category 2A) (NCCN).		
References			
Definitions			

Table of Contents

Please refer to the spreadsheet for this measure for detail regarding data criteria and code lists.

Population criteria

- **Initial Patient Population =**

- o AND: "Patient characteristic: birth date" (age) >= 18 years;
- o AND:
    - • OR: "Diagnosis active: colon cancer";
    - • OR: "Diagnosis inactive: colon cancer history";
- o AND: >= 2 count(s) of "Encounter: encounter office visit";

- **Denominator =**

    - o AND: All patients in the initial patient population;
    - o AND: "Procedure result: colon cancer stage III";

- **Numerator =**

    - o OR: "Medication order: chemotherapy for colon cancer";
    - o OR: "Medication administered: chemotherapy for colon cancer";

- **Exclusions =**

    - o OR: "Diagnosis active: metastatic sites common to colon cancer";
    - o OR: "Diagnosis active: acute renal insufficiency";
    - o OR: "Diagnosis active: neutropenia";
    - o OR: "Diagnosis active: leukopenia";
    - o OR: "Patient characteristic: ECOG performance status-poor";
    - o OR: "Medication intolerance: chemotherapy for colon cancer";
    - o OR: "Medication adverse event: chemotherapy for colon cancer";
    - o OR: "Medication allergy: chemotherapy for colon cancer";
    - o OR: "Medication not done: medical reason";
    - o OR: "Medication not done: patient reason";
    - o OR: "Medication not done: system reason";

Data criteria (QDS Data Elements)

- **Initial Patient Population =**

    - o "Patient characteristic: birth date" using "birth date code list" before the beginning of the "measurement period";
    - o "Diagnosis active: colon cancer" using "colon cancer code list grouping" before or simultaneously to "E ncounter: encounter office visit";
    - o "Diagnosis inactive: colon cancer history" using "colon cancer history code list grouping" before or simultaneously to "Encounter: encounter office visit";
    - o "Encounter: encounter office visit" using "encounter office visit code list" during the "measurement period";

- **Denominator =**

    - o All patients in the initial patient population;
    - o "Procedure result: colon cancer stage III" using "colon cancer stage III code list" before or simultaneously to "Encounter: encounter office visit";

- **Numerator =**

- o "Medication order: chemotherapy for colon cancer" using "chemotherapy for colon cancer code list" before or simultaneously to "Encounter: encounter office visit";
- o "Medication administered: chemotherapy for colon cancer" using "chemotherapy for colon cancer code list" before or simultaneously to "Encounter: encounter office visit";

- **Exclusions =**

  - o "Diagnosis active: metastatic sites common to colon cancer" using "metastatic sites common to colon cancer code list grouping" before or simultaneously to "Encounter: encounter office visit";
  - o "Diagnosis active: acute renal insufficiency" using "acute renal insufficiency code list grouping" before or simultaneously to "Encounter: encounter office visit";
  - o "Diagnosis active: neutropenia" using "neutropenia code list grouping" before or simultaneously to "Encounter: encounter office visit";
  - o "Diagnosis active: leukopenia" using "leukopenia code list grouping" before or simultaneously to "Encounter: encounter office visit";
  - o "Patient characteristic: ECOG performance status-poor" using "ECOG performance status-poor code list" before or simultaneously to "Encounter: encounter office visit";
  - o "Medication intolerance: chemotherapy for colon cancer" using "chemotherapy for colon cancer code list" before or simultaneously to "Encounter: encounter office visit";
  - o "Medication adverse event: chemotherapy for colon cancer" using "chemotherapy for colon cancer code list" before or simultaneously to "Encounter: encounter office visit";
  - o "Medication allergy: chemotherapy for colon cancer" using "chemotherapy for colon cancer code list" before or simultaneously to "Encounter: encounter office visit";
  - o "Medication not done: medical reason" using "medical reason code list" for "Medication order: chemotherapy for colon cancer" OR "Medication administered: chemotherapy for colon cancer";
  - o "Medication not done: patient reason" using "patient reason code list" for "Medication order: chemotherapy for colon cancer" OR "Medication administered: chemotherapy for colon cancer";
  - o "Medication not done: system reason" using "system reason code list" for "Medication order: chemotherapy for colon cancer" OR "Medication administered: chemotherapy for colon cancer";

Summary Calculation

Calculation is generic to all measures:

- Calculate the final denominator by adding all that meet denominator criteria.
- Subtract from the final denominator all that do not meet numerator criteria yet also meet exclusion criteria. Note some measures do not have exclusion criteria.
- The performance calculation is the number meeting numerator criteria divided by the final denominator.
- For measures with multiple patient populations, repeat this process for each patient population and report each result separately.
- For measures with multiple numerators, calculate each numerator separately within each population using the paired exclusion.

| Measure set | CLINICAL QUALITY MEASURE SET 2011-2012 |