Quality ID #457 (NQF 0216): Percentage of Patients Who Died from Cancer Admitted to Hospice for Less than 3 days (lower score – better)  
– National Quality Strategy Domain: Effective Clinical Care  
– Meaningful Measure Area: End of Life Care According to Preferences

### 2019 COLLECTION TYPE:
MIPS CLINICAL QUALITY MEASURES (CQMS)

### MEASURE TYPE:
Outcome – High Priority

### DESCRIPTION:
Percentage of patients who died from cancer, and admitted to hospice and spent less than 3 days there

### INSTRUCTIONS:
This measure is to be submitted a minimum of **once per performance period** for patients who died of cancer during the measurement year. It is anticipated that Merit-based Incentive Payment System (MIPS) eligible clinicians who provide services for patients with the diagnosis of cancer will submit this measure.

Measure Submission Type:
Measure data may be submitted by individual MIPS eligible clinicians, groups, or third party intermediaries. The listed denominator criteria are used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions as allowed by the measure. The quality-data codes listed do not need to be submitted by MIPS eligible clinicians, groups, or third party intermediaries that utilize this modality for submissions; however, these codes may be submitted for those third party intermediaries that utilize Medicare Part B claims data. For more information regarding Application Programming Interface (API), please refer to the Quality Payment Program (QPP) website.

### DENOMINATOR:
Patients who died from cancer who were admitted to hospice

**Denominator Criteria (Eligible Cases):**

<table>
<thead>
<tr>
<th>Diagnosis of cancer (ICD-10-CM):</th>
</tr>
</thead>
</table>
| C00.0, C00.1, C00.2, C00.3, C00.4, C00.5, C00.6, C00.8, C00.9, C01, C02.0, C02.1, C02.2, C02.3, C02.4, C02.8, C02.9, C03.0, C03.1, C03.9, C04.0, C04.1, C04.8, C04.9, C05.0, C05.1, C05.2, C05.8, C05.9, C06.0, C06.1, C06.2, C06.80, C06.89, C06.9, C07, C08.0, C08.1, C08.9, C09.0, C09.1, C09.8, C09.9, C10.0, C10.1, C10.2, C10.3, C10.4, C10.8, C10.9, C11.0, C11.1, C11.2, C11.3, C11.8, C11.9, C12, C13.0, C13.1, C13.2, C13.8, C13.9, C14.0, C14.2, C14.8, C15.3, C15.4, C15.5, C15.8, C15.9, C16.1, C16.2, C16.3, C16.4, C16.5, C16.6, C16.8, C16.9, C17.0, C17.1, C17.2, C17.3, C17.8, C17.9, C18.0, C18.1, C18.2, C18.3, C18.4, C18.5, C18.6, C18.7, C18.8, C18.9, C19, C20, C21.0, C21.1, C21.2, C21.8, C22.0, C22.1, C22.2, C22.3, C22.4, C22.7, C22.8, C22.9, C23, C24.0, C24.1, C24.8, C24.9, C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.80, C25.9, C26.0, C26.1, C26.9, C30.0, C30.1, C31.0, C31.1, C31.2, C31.3, C31.8, C31.9, C32.0, C32.1, C32.2, C32.3, C32.8, C32.9, C33, C34.00, C34.01, C34.02, C34.10, C34.11, C34.12, C34.2, C34.30, C34.31, C34.32, C34.80, C34.81, C34.82, C34.90, C34.91, C34.92, C37.80, C38.0, C38.1, C38.2, C38.3, C38.4, C38.8, C39.0, C39.9, C40.00, C40.01, C40.02, C40.10, C40.11, C40.12, C40.20, C40.21, C40.22, C40.30, C40.31, C40.32, C40.80, C40.81, C40.82, C40.90, C40.91, C40.92, C41.0, C41.1, C41.2, C41.3, C41.4, C41.9, C43.0, C43.10, C43.11, C43.12, C43.13, C43.20, C43.21, C43.22, C43.30, C43.31, C43.39, C43.4, C43.51, C43.52, C43.59, C43.60, C43.61, C43.62, C43.70, C43.71, C43.72, C43.8, C43.9, C44.00, C44.01, C44.02, C44.09, C44.101, C44.1021, C44.1022, C44.1091, C44.1092, C44.111, C44.1121, C44.1122, C44.1191, C44.1192, C44.121, C44.1221, C44.1222, C44.1291, C44.1292, C44.191, C44.1921, C44.1922, C44.1991, C44.1992, C44.201, C44.202, C44.209, C44.211, C44.212, C44.219, C44.221, C44.222, C44.229, C44.291, C44.292,
Patient encounter(s) during performance period (CPT): 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215
AND
Two or more encounters at the reporting site
AND
Patient enrolled in hospice: G9858
AND
Patients who died from cancer: G9859

NUMERATOR:
Patients who died from cancer and spent fewer than three days in hospice

Numerator Instructions:
INVERSE MEASURE - A lower calculated performance rate for this measure indicates better clinical care or control. The "Performance Not Met" numerator option for this measure is the representation of the better clinical quality or control. Submitting that numerator option will produce a performance rate that trends closer to 0%, as quality increases. For inverse measures, a rate of 100% means all of the denominator eligible patients did not receive the appropriate care or were not in proper control.

Numerator Options:
Performance Met: Patient spent less than three days in hospice care (G9860)
OR
Performance Not Met: Patient spent greater than or equal to three days in hospice care (G9861)
RATIONALE:
Although the use of hospice and other palliative care services at the end of life has increased, many patients are enrolled in hospice for 3 days or less before their death, which limits the benefit they may gain from these services. One recent retrospective study of more than 64,000 patients with cancer who were admitted to hospice found that over 16% of those patients were only enrolled in the last three days of life or less (O'Connor, 2014). The rate of patients who do not have a hospice referral prior to death continues to be higher than desired with one study reporting that more than 30% of patients were not referred and of those patients, only 7% had a documented discussion on the option of palliative care (O'Connor, 2015). Patients enrolled in hospice experience increased survival times along with a reduction in resource use such as aggressive end of life care and hospital admissions; benefits that increased the longer patients are enrolled in hospice (Lee, 2015; Langton, 2014).


CLINICAL RECOMMENDATION STATEMENTS:
A 2012 American Society of Clinical Oncology (ASCO) Provisional Clinical Opinion (PCO) addressed the integration of palliative care (PC) services into standard oncology care at the time a person is diagnosed with metastatic cancer and/or high symptom burden.

Seven published randomized trials demonstrate the feasibility of providing various components of PC alongside usual oncology care. There is, however, a dearth of data evaluating the integration of modern PC practices into standard oncology care, especially in concert with ongoing antitumor therapy. Overall, the addition of PC interventions to standard oncology care delivered via different models to patients with cancer provided evidence of benefit.


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2019 Clinical Quality Measure Flow for Quality ID #457 NQF #0216:
Percentage of Patients Who Died from Cancer Admitted To Hospice for Less Than 3 Days
(lower score – better)

Denominator

Start

Diagnosis for Cancer as Listed in Denominator*

No

Not Included in Eligible Population/Denominator

Yes

Encounter as Listed in Denominator

(1/1/2019 thru 12/31/2019)

Two or More Encounters at the Reporting Site

No

Patient Enrolled in Hospice G9856 or Equivalent

No

Patients Who Died from Cancer G9859 or Equivalent

Yes

Numenator

Patient Spent Less Than Three Days in Hospice Care

No

Patient Spent Greater Than or Equal to Three Days in Hospice Care

Yes

Data Completeness Met + Performance Met G9869 or Equivalent (40 Patients)

Data Completeness Not Met + Performance Not Met G9861 or Equivalent (30 Patients)

Data Completeness Met + Performance Not Met Quality Data Code or Equivalent not Submitted (10 Patients)

In 110 patients

SAMPLE CALCULATIONS:

Data Completeness:
Performance Met (n=40 patients) + Performance Not Met (n=30 patients) = 70 patients = 87.50%
Eligible Population / Denominator (n=110 patients) = 80%

Performance Rate:
Performance Met (n=40 patients) = 40 patients = 57.14%
Data Completeness Numerator (70 patients) = 70 patients

*See the posted Measure Specification for specific coding and instructions to submit this measure.
A lower calculated performance rate for this measure indicates better clinical control and care.
NOTE. Submission Frequency: Patient-process

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The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be substituted for or used as a substitution for the measure specifications.
Please refer to the specific section of the specification to identify the denominator and numerator information for use in submitting this Individual Specification.

1. Start with Denominator

2. Check Patient Diagnosis:
   a. If Diagnosis for Cancer as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
   b. If Diagnosis for Cancer as Listed in the Denominator equals Yes, proceed to check Encounter Performed.

3. Check Encounter Performed:
   a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
   b. If Encounter as Listed in the Denominator equals Yes, proceed to check Two or More Encounters at the Reporting Site.

4. Check Two or More Encounters at the Reporting Site:
   a. If Two or More Encounters at the Reporting Site equals No, do not include in Eligible Population. Stop Processing.
   b. If Two or More Encounters at the Reporting Site equals Yes, proceed to check Patient Enrolled in Hospice.

5. Check Patient Enrolled in Hospice:
   a. If Patient Enrolled in Hospice equals No, do not include in Eligible Population. Stop Processing.
   b. If Patient Enrolled in Hospice equals Yes, proceed to check Patient Who Died from Cancer.

6. Check Patients Who Died from Cancer:
   a. If Patients Who Died from Cancer equals No, do not include in Eligible Population. Stop Processing.
   b. If Patients Who Died from Cancer equals Yes, include in Eligible Population.

7. Denominator Population:
   a. Denominator Population is all Eligible Patients in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 80 patients in the Sample Calculation.

8. Start Numerator

9. Check Patient Spent Less Than Three Days in Hospice Care:
   a. If Patient Spent Less Than Three Days in Hospice Care equals Yes, include in Data Completeness Met and Performance Met.
b. Data Completeness Met and Performance Met letter is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 40 patients in the Sample Calculation.

c. If Patient Spent Less Than Three Days in Hospice Care equals No, proceed to check Patient Spent Greater Than or Equal to Three Days in Hospice Care.

10. Check Patient Spent Greater Than or Equal to Three Days in Hospice Care:

a. If Patient Spent Greater Than or Equal to Three Days in Hospice Care equals Yes, include in Data Completeness Met and Performance Not Met.

b. Data Completeness Met and Performance Not Met letter is represented in the Data Completeness in the Sample Calculation listed at the end of this document. Letter c equals 30 patients in the Sample Calculation.

c. If Patient Spent Greater Than or Equal to Three Days in Hospice Care equals No, proceed to check Data Completeness Not Met.

11. Check Data Completeness Not Met:

a. If Data Completeness Not Met, the Quality Data Code or equivalent was not submitted. 10 patients have been subtracted from the Data Completeness Numerator in the Sample Calculation.

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**SAMPLE CALCULATIONS:**

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\begin{align*}
\text{Data Completeness} &= \text{Performance Met (} \#=40 \text{ patients)} + \text{Performance Not Met (} \#=30 \text{ patients)} = 70 \text{ patients} = \frac{87.50\%}{80 \text{ patients}} \\
\text{Performance Rate} &= \frac{\text{Performance Met (} \#=40 \text{ patients)}}{\text{Eligible Population / Denominator (} \#=80 \text{ patients)}} = 57.14\%
\end{align*}
\]

Data Completeness Numerator (70 patients) = 70 patients