

Quality ID #350: Total Knee Replacement: Shared Decision-Making: Trial of Conservative (Non-surgical) Therapy

- National Quality Strategy Domain: Communication and Care Coordination
- Meaningful Measure Area: Care is Personalized and Aligned with Patient’s Goals

2019 COLLECTION TYPE:
MIPS CLINICAL QUALITY MEASURES (CQMS)

MEASURE TYPE:
Process – High Priority

DESCRIPTION:
Percentage of patients regardless of age undergoing a total knee replacement with documented shared decision-making with discussion of conservative (non-surgical) therapy (e.g., non-steroidal anti-inflammatory drug (NSAIDs), analgesics, weight loss, exercise, injections) prior to the procedure

INSTRUCTIONS:
This measure is to be submitted **each time** a procedure for total knee replacement is performed during the performance period. There is no diagnosis associated with this measure. This measure may be submitted by Merit-based Incentive Payment System (MIPS) eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

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:
All patients regardless of age undergoing a total knee replacement

Denominator Criteria (Eligible Cases):

All patients, regardless of age

AND

Patient procedure during the performance period (CPT): 27438, 27442, 27445, 27446, 27447

NUMERATOR:
Patients with documented shared decision-making including discussion of conservative (non-surgical) therapy (e.g. NSAIDs, analgesics, weight loss, exercise, injections) prior to the procedure

Numerator Options:

Performance Met:

Patients with documented shared decision-making including discussion of conservative (non-surgical) therapy (e.g., NSAIDs, analgesics, weight loss, exercise, injections) prior to the procedure (**G9296**)

OR

Performance Not Met:

Shared decision-making including discussion of conservative (non-surgical) therapy (e.g. NSAIDs, analgesics, weight loss, exercise, injections) prior to

the procedure not documented, reason not given
(G9297)

RATIONALE:

A trial of non-surgical therapy should be used prior to surgery, when possible. Non-surgical therapy may include the use of NSAIDs, other analgesics, exercise, or injections. For patients with severe disability, the patient and surgeon may decide after a thorough review of conservative options that the optimal treatment is to proceed with the operative intervention.

This measure is designed for use by physicians and eligible health care professionals managing ongoing care for all patients undergoing a total knee replacement. This measure addresses the preoperative period.

CLINICAL RECOMMENDATION STATEMENTS:

AAOS 2013 Treatment Guideline of Osteoarthritis of the Knee Evidence-Based Guideline 2nd Edition (AAOS, 2013)

AAOS recommends that patients with symptomatic osteoarthritis of the knee participate in self-management programs, strengthening, low-impact aerobic exercises, and neuromuscular education; and engage in physical activity consistent with national guidelines. (Strong Recommendation)

AAOS suggests weight loss for patients with symptomatic osteoarthritis of the knee and a BMI \geq 25. (Moderate Recommendation)

AAOS recommends nonsteroidal anti-inflammatory drugs (NSAIDs; oral or topical) or Tramadol for patients with symptomatic osteoarthritis of the knee. (Strong Recommendation)

OARSI 2008 Recommendations for the Management of Hip and Knee Osteoarthritis Part II (Zhang W, Moskowitz RW, Nuki G, Abramson S, et al., 2008)

Patients with knee OA who are not obtaining adequate pain relief and functional improvement from a combination of non-pharmacological and pharmacological treatment should be considered for joint replacement therapy.

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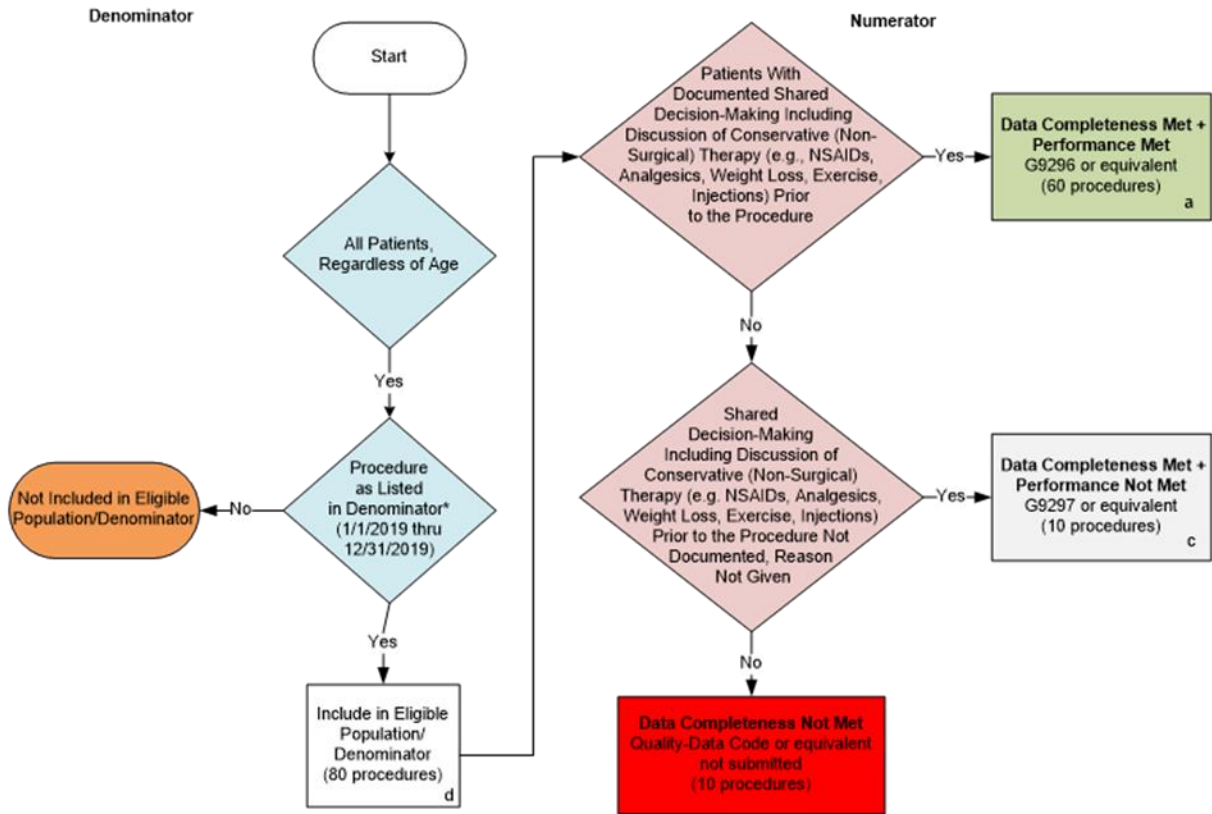
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**2019 Registry Flow for Quality ID #350:
Total Knee Replacement: Shared Decision-Making: Trial of Conservative (Non-surgical) Therapy**



SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=60 procedures)} + \text{Performance Not Met (c=10 procedure)}}{\text{Eligible Population / Denominator (d=80 procedures)}} = \frac{70 \text{ procedures}}{80 \text{ procedures}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=60 procedures)}}{\text{Data Completeness Numerator (70 procedures)}} = \frac{60 \text{ procedures}}{70 \text{ procedures}} = 85.71\%$$

*See the posted Measure Specification for specific coding and instructions to submit this measure
NOTE: Submission Frequency: Procedure

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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 used alone or as a substitution for the measure specification.

**2019 Clinical Quality Measure Flow for Quality ID #350:
Total Knee Replacement: Shared Decision-Making: Trial of Conservative (Non-surgical) Therapy**

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. All Patients, Regardless of Age
3. Check Procedure Performed:
 - a. If Procedure as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
 - b. If Procedure as Listed in the Denominator equals Yes, include in Eligible Population.
4. Denominator Population:
 - a. Denominator Population is all Eligible Procedures in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 80 procedures in the Sample Calculation.
5. Start Numerator
6. Check Patients With Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure:
 - a. If Patients With Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure 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 60 procedures in the Sample Calculation.
 - c. If Patients With Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure equals No, proceed to check Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure Not Documented, Reason Not Given.
7. Check Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure Not Documented, Reason Not Given:
 - a. If Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure Not Documented, Reason Not Given 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 10 procedures in the Sample Calculation.

- c. If Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy (e.g. NSAIDs, Analgesics, Weight Loss, Exercise, Injections) Prior to the Procedure Not Documented, Reason Not Given equals No, proceed to check Data Completeness Not Met.
8. Check Data Completeness Not Met:
- a. If Data Completeness Not Met, the Quality Data Code or equivalent was not submitted. 10 procedures have been subtracted from the Data Completeness Numerator in the Sample Calculation.

SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=60 procedures)} + \text{Performance Not Met (c=10 procedure)}}{\text{Eligible Population / Denominator (d=80 procedures)}} = \frac{70 \text{ procedures}}{80 \text{ procedures}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=60 procedures)}}{\text{Data Completeness Numerator (70 procedures)}} = \frac{60 \text{ procedures}}{70 \text{ procedures}} = 85.71\%$$