

Measure #350: Total Knee Replacement: Shared Decision-Making: Trial of Conservative (Non-surgical) Therapy – National Quality Strategy Domain: Communication and Care Coordination

2017 OPTIONS FOR INDIVIDUAL MEASURES:
REGISTRY ONLY

MEASURE TYPE:
Process

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 reported **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 reported by eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

Measure Reporting:
The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by the measure. The quality-data codes listed do not need to be submitted for registry-based submissions; however, these codes may be submitted for those registries that utilize claims data.

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 2008 Treatment Guideline of Osteoarthritis of the Knee (AAOS, 2008)

AAOS suggests that patients with symptomatic OA of the knee be encouraged to participate in self-management educational programs. (Level of Evidence II Grade B.)

AAOS recommends that patients with symptomatic OA of the knee who are overweight (BMI >25) should be encouraged to lose weight (a minimum of 5% of body weight) and maintain their weight at a lower level with an appropriate program for dietary modification and exercise. (Level of Evidence I Grade A.)

AAOS recommends that patients with symptomatic OA of the knee be encouraged to participate in low-impact aerobic fitness exercises. (Level of Evidence I Grade A.)

AAOS suggests that patients with symptomatic OA of the knee use patellar taping for short-term relief of pain and improvement in function. (Level of Evidence II Grade B.)

AAOS suggests that patients with symptomatic OA of the knee receive one of the following analgesics for pain unless there are contradictions to this treatment: acetaminophen (<4g/day) or non-steroidal anti-inflammatory drugs (NSAIDs). (Level of Evidence II Grade B.)

AAOS suggests that intra-articular corticosteroids be used for short-term pain relief for patients with symptomatic OA of the knee. (Level of Evidence II Grade B.)

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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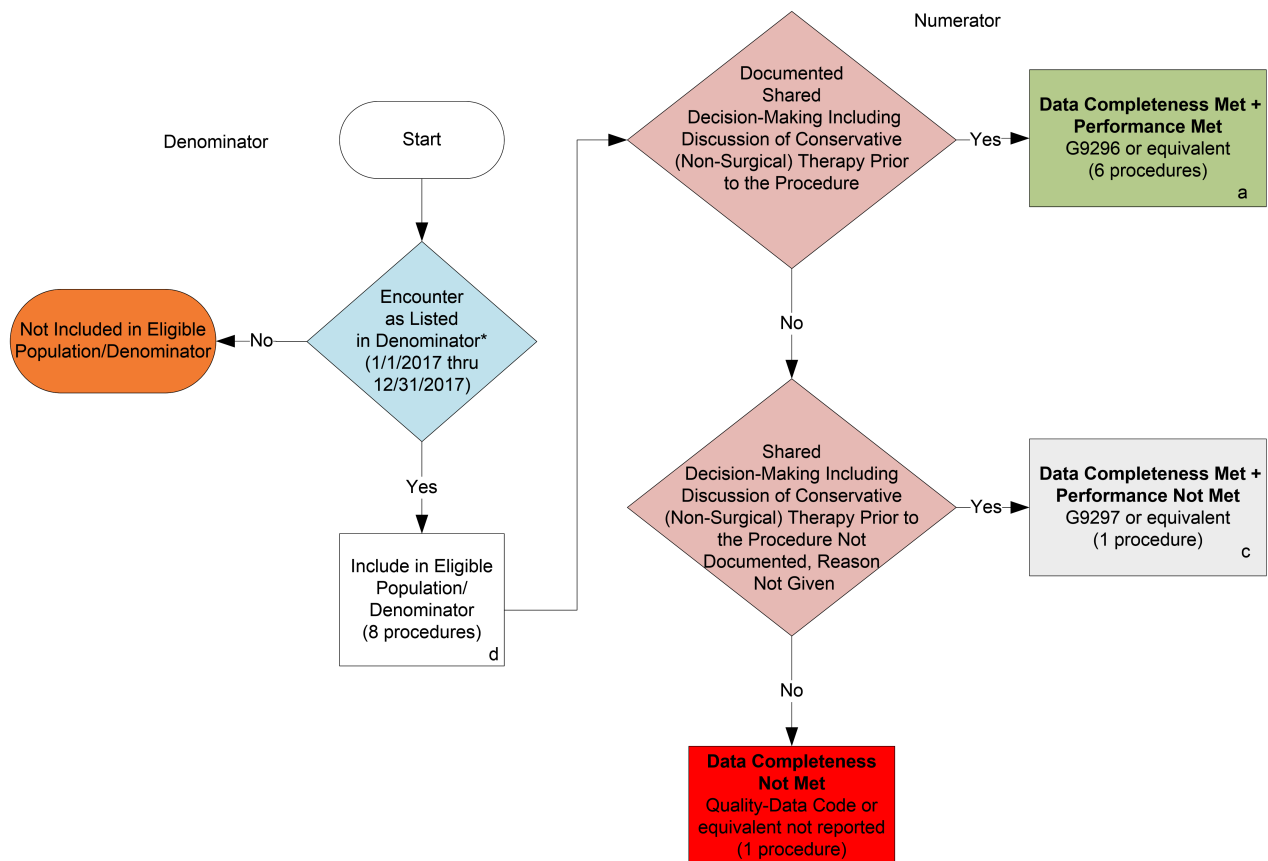
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2017 Registry Individual Measure Flow

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



SAMPLE CALCULATIONS:

Data Completeness=

Performance Met (a=6 procedures) + Performance Not Met (c=1 procedure) = 7 procedures = **87.50%**
 Eligible Population / Denominator (d=8 procedures) = 8 procedures

Performance Rate=

Performance Met (a=6 procedures) = 6 procedures = **85.71%**
 Data Completeness Numerator (7 procedures) = 7 procedures

*See the posted Measure Specification for specific coding and instructions to report this measure
 NOTE: Reporting 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.

v1

2017 Registry Individual Measure Flow
#350: Total Knee Replacement: Shared Decision-Making: Trial of Conservative (Non-surgical) Therapy

Please refer to the specific section of the Measure Specification to identify the Denominator and numerator information for use in reporting this Individual Measure.

1. Start with Denominator
2. Check Encounter:
 - a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Population or Denominator. Stop Processing.
 - b. If Encounter as Listed in the Denominator equals Yes, include in denominator population.
3. Denominator Population:
 - a. Eligible population or Denominator 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 8 procedures in the sample calculation.
4. Start Numerator
5. Check Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure:
 - a. If Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure equals Yes, include in Data Completeness Met and Performance Met.
 - b. Data Completeness Met and Performance Met is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 6 procedures in Sample Calculation.
 - c. If Documented Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure equals No, proceed to check Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure Not Documented, Reason Not Given.
6. Check Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure Not Documented, Reason Not Given:
 - a. If Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy 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 is represented in the Data Completeness in the Sample Calculation listed at the end of this document. Letter c equals 1 procedure in the Sample Calculation.
 - c. If Shared Decision-Making Including Discussion of Conservative (Non-Surgical) Therapy Prior to the Procedure Not Documented, Reason Not Given equals No, proceed to Data Completeness Not Met.
7. Check Data Completeness Not Met:

- a. If Data Completeness Not Met, the Quality Data Code or equivalent was not reported. 1 procedure has been subtracted from the data completeness numerator in sample calculation.

SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=6 procedures)} + \text{Performance Not Met (c=1 procedure)}}{\text{Eligible Population / Denominator (d=8 procedures)}} = \frac{7 \text{ procedures}}{8 \text{ procedures}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=6 procedures)}}{\text{Data Completeness Numerator (7 procedures)}} = \frac{6 \text{ procedures}}{7 \text{ procedures}} = 85.71\%$$