

Quality ID #471: Functional Status After Lumbar Surgery

2024 COLLECTION TYPE: **MIPS CLINICAL QUALITY MEASURES (CQMS)**

MEASURE TYPE:
Patient-Reported Outcome-Based Performance Measure – High Priority

DESCRIPTION:
For patients age 18 and older who had lumbar discectomy/laminectomy or fusion procedure, functional status is rated by the patient as less than or equal to 22 OR an improvement of 30 points or greater on the Oswestry Disability Index (ODI version 2.1a) * at three months (6 to 20 weeks) postoperatively for discectomy/laminectomy or at one year (9 to 15 months) postoperatively for lumbar fusion patients. Rates are stratified by procedure type; lumbar discectomy/laminectomy or fusion procedure.
* hereafter referred to as ODI

INSTRUCTIONS:
This measure is to be submitted **each time** a patient undergoes a lumbar discectomy/laminectomy or fusion during the denominator identification period. 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.

NOTE: *This measure is a target-based measure with two ways to meet the numerator; either a postoperative ODI score that is less than or equal to 22 OR an improvement of 30 points or greater from the preoperative to postoperative score. It is expressed as a proportion or rate. Patients having received a lumbar discectomy/laminectomy or fusion procedure who are not assessed for functional status postoperatively remain in the denominator and are considered as not meeting the target. The measure intent is that MIPS eligible clinicians will submit all denominator eligible procedures to be utilized for performance calculation.*

NOTE: *Electronic use of the Oswestry Disability Index (ODI) tool is no longer available free of charge. A paper alternative is available at no cost.*

This measure will be calculated with 2 performance rates:

- 1) Percentage of lumbar discectomy/laminectomy procedures for which the patient reports functional status is less than or equal to 22 OR an improvement of 30 points or greater on the Oswestry Disability Index (ODI version 2.1a) at three months (6 to 20 weeks) postoperatively
- 2) Percentage of lumbar fusion procedures for which the patient reports functional status is less than or equal to 22 OR an improvement of 30 points or greater on the Oswestry Disability Index (ODI Version 2.1a) patient reported outcome tool at one year (9 to 15 months) postoperatively

A weighted average, which is the sum of the performance numerator values divided by the sum of performance denominator values, will be used to calculate performance.

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 (SUBMISSION CRITERIA 1):

Patients with lumbar discectomy/laminectomy procedure

Patients 18 years of age or older as of January 1 of the denominator identification period who had a lumbar discectomy/laminectomy procedure performed during the denominator identification period

Definition:

Denominator Identification Period – The twelve month period in which eligible patients have a procedure. This allows for enough time for a follow-up assessment to occur during the performance period. The “denominator identification period” includes dates of procedure 1/1/2023 to 12/31/2023.

Denominator Criteria (Eligible Cases):

Patients aged ≥ 18 years by January 1 of the Denominator Identification Period

AND

Patient procedure during the denominator identification period (CPT): 63005, 63012, 63017, 63030, 63042, 63047

WITHOUT

Telehealth Modifier (including but not limited to): GQ, GT, 95, POS 02, POS 10

AND NOT

DENOMINATOR EXCLUSIONS:

Patient had a lumbar fusion on the same date as the discectomy/laminectomy procedure (CPT): 22533, 22558, 22586, 22612, 22630, 22633

AND NOT

Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis: M1041

- Patients with a diagnosis of lumbar spine region cancer at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region cancer- C41.2, C41.4, C79.51, C79.52, D16.6, D16.8, D48.0, D49.2
- Patients with a diagnosis of acute lumbar spine region fracture at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region fracture- M48.44XA, M48.45XA, M48.46XA, M48.47XA, M48.48XA, M48.54XA, M48.55XA, M48.56XA, M48.57XA, M48.58XA, S22.060A, S22.060B, S22.061A, S22.061B, S22.062A, S22.062B, S22.068A, S22.068B, S22.069A, S22.069B, S22.070A, S22.070B, S22.071A, S22.071B, S22.072A, S22.072B, S22.078A, S22.078B, S22.079A, S22.079B, S22.080A, S22.080B, S22.081A, S22.081B, S22.082A, S22.082B, S22.088A, S22.088B, S22.089A, S22.089B, S24.103A, S24.104A, S24.113A, S24.114A, S24.133A, S24.134A, S24.143A, S24.144A, S24.153A, S24.154A, S32.000A, S32.000B, S32.001A, S32.001B, S32.002A, S32.002B, S32.008A, S32.008B, S32.009A, S32.009B, S32.010A, S32.010B, S32.011A, S32.011B, S32.012A, S32.012B, S32.018A, S32.018B, S32.019A, S32.019B, S32.020A, S32.020B, S32.021A, S32.021B, S32.022A, S32.022B, S32.028A, S32.028B, S32.029A, S32.029B, S32.030A, S32.030B, S32.031A, S32.031B, S32.032A, S32.032B, S32.038A, S32.038B, S32.039A, S32.039B, S32.040A, S32.040B, S32.041A, S32.041B, S32.042A, S32.042B, S32.048A, S32.048B, S32.049A, S32.049B, S32.050A, S32.050B, S32.051A, S32.051B, S32.052A, S32.052B, S32.058A, S32.058B, S32.059A, S32.059B, S32.10XA, S32.10XB, S32.110A, S32.110B, S32.111A, S32.111B, S32.112A, S32.112B, S32.119A, S32.119B, S32.120A, S32.120B, S32.121A, S32.121B, S32.122A, S32.122B, S32.129A, S32.129B, S32.130A, S32.130B, S32.131A, S32.131B, S32.132A, S32.132B, S32.139A, S32.139B, S32.14XA, S32.14XB, S32.15XA, S32.15XB, S32.16XA, S32.16XB, S32.17XA, S32.17XB, S32.19XA, S32.19XB, S32.2XXA, S32.2XXB, S32.9XXA, S32.9XXB, S34.101A, S34.102A, S34.103A, S34.104A, S34.105A, S34.109A, S34.111A, S34.112A, S34.113A, S34.114A, S34.115A, S34.119A, S34.121A, S34.122A, S34.123A, S34.124A, S34.125A, S34.129A, S34.131A, S34.132A, S34.139A, S34.3XXA

- Patients with a diagnosis of lumbar spine region infection at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region infection- M46.25, M46.26, M46.27, M46.28, M46.35, M46.36, M46.37, M46.38, M46.45, M46.46, M46.47, M46.48, M46.55, M46.56, M46.57, M46.58
- Patients with a diagnosis of lumbar neuromuscular, idiopathic, or congenital scoliosis – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of neuromuscular, idiopathic, or congenital scoliosis- M41.05, M41.06, M41.07, M41.08, M41.45, M41.46, M41.47, M41.115, M41.116, M41.117, M41.125, M41.126, M41.127, M41.25, M41.26, M41.27, Q67.5, Q76.3

NUMERATOR (SUBMISSION CRITERIA 1):

All eligible patients whose functional status is less than or equal to 22 OR an improvement of 30 points or greater on the Oswestry Disability Index (ODI version 2.1a) at three months (6 to 20 weeks) postoperatively

Definitions:

Measure Assessment Period (Performance Period) – The period of time following the procedure date that is in which a postoperative ODI functional status score can be obtained.

Preoperative Assessment Oswestry Disability Index (ODI version 2.1a) – A preoperative ODI functional assessment score can be obtained from the patient any time up to three months preoperatively, inclusive of the date of the procedure. Assessment scores obtained more than three months before the procedure will not be used for measure calculation. If more than one preoperative ODI was obtained, use the ODI that is the most recent and prior to the procedure.

Postoperative Assessment Oswestry Disability Index (ODI version 2.1a) – A postoperative ODI functional assessment score can be obtained from the patient three months (6 to 20 weeks) after the date of procedure. Assessment scores obtained prior to six weeks and after twenty weeks postoperatively will not be used for measure calculation. If more than one postoperative ODI was obtained during the 6 to 20 weeks following the procedure, use the most recent score obtained during the allowable timeframe. ODI can be obtained below or at the following link <https://eprovide.mapi-trust.org/instruments/oswestry-disability-index>.

Functional Status Target #1 – A patient who is assessed postoperatively at three months (6 to 20 weeks) after the procedure rates their functional status as less than or equal to 22.

Functional Status Target #2 – A patient who does not meet Functional Status Target #1 is assessed both preoperatively within 3 months prior to the procedure AND postoperatively at three months (6 to 20 weeks) after the procedure AND the improvement is greater than or equal to 30 points.

NUMERATOR NOTE: *It is recommended that both a preoperative and postoperative assessment tool be administered to the patient increasing chances that one of the numerator targets will be met. The following situations are those in which the numerator target cannot be reached and Performance Not Met M1049 or G2145 is submitted.*

- *ODI is not administered postoperatively at three months (6 to 20 weeks)*
- *Functional status is measured using a different patient reported functional status tool or ODI version*
- *Postoperative ODI is administered less than 6 weeks or greater than 20 weeks (3 month window)*
- *Postoperative ODI is greater than 22 and no valid preoperative ODI to measure improvement*
- *Postoperative ODI is greater than 22 and preoperative ODI (to measure improvement) is administered beyond the three month timeframe prior to and including the date of procedure (e.g., 6 months before procedure)*

Numerator Options:

Performance Met:

Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at three months (6 – 20 weeks) postoperatively was less than or equal to 22 **OR** Functional status measured by the ODI version 2.1a within three months preoperatively AND at three months

(6 - 20 weeks) postoperatively demonstrated an improvement of 30 points or greater (**G2144**)

OR

Performance Not Met:

Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at three months (6 - 20 weeks) postoperatively (**M1049**)

OR

Performance Not Met:

Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at three months (6 – 20 weeks) postoperatively was greater than 22 **AND** Functional status measured by the ODI version 2.1a within three months preoperatively **AND** at three months (6 - 20 weeks) postoperatively demonstrated an improvement of less than 30 points (**G2145**)

DENOMINATOR (SUBMISSION CRITERIA 2):

Patients with lumbar fusion procedure

Patients 18 years of age or older as of October 1 of the denominator identification period who had a lumbar fusion procedure performed during the denominator identification period

Definition:

Denominator Identification Period – The twelve month period in which eligible patients have a denominator eligible procedure. This allows for enough time for a follow-up assessment to occur during the twelve month performance period. The denominator identification period includes dates of procedure 10/1/2022 to 9/30/2023.

Denominator Criteria (Eligible Cases):

Patients age ≥ 18 years by October 1 of the Denominator Identification Period

AND

Patient procedure during the denominator identification period (CPT): 22533, 22558, 22586, 22612, 22630, 22633

WITHOUT

Telehealth Modifier (including but not limited to): GQ, GT, 95, POS 02, POS 10

AND NOT

DENOMINATOR EXCLUSION:

Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis: M1041

- Patients with a diagnosis of lumbar spine region cancer at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region cancer: C41.2, C41.4, C79.51, C79.52, D16.6, D16.8, D48.0, D49.2
- Patients with a diagnosis of acute lumbar spine region fracture at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region fracture: M48.44XA, M48.45XA, M48.46XA, M48.47XA, M48.48XA, M48.54XA, M48.55XA, M48.56XA, M48.57XA, M48.58XA, S22.060A, S22.060B, S22.061A, S22.061B, S22.062A, S22.062B, S22.068A, S22.068B, S22.069A, S22.069B, S22.070A, S22.070B, S22.071A, S22.071B, S22.072A, S22.072B, S22.078A, S22.078B, S22.079A, S22.079B, S22.080A, S22.080B, S22.081A, S22.081B, S22.082A, S22.082B, S22.088A, S22.088B, S22.089A, S22.089B, S24.103A, S24.104A, S24.113A, S24.114A, S24.133A, S24.134A, S24.143A, S24.144A, S24.153A, S24.154A, S32.000A, S32.000B, S32.001A, S32.001B, S32.002A, S32.002B, S32.008A, S32.008B, S32.009A, S32.009B, S32.010A, S32.010B, S32.011A, S32.011B, S32.012A, S32.012B, S32.018A, S32.018B, S32.019A, S32.019B, S32.020A, S32.020B, S32.021A, S32.021B, S32.022A, S32.022B, S32.028A, S32.028B, S32.029A, S32.029B, S32.030A, S32.030B, S32.031A, S32.031B, S32.032A, S32.032B, S32.038A,

S32.038B, S32.039A, S32.039B, S32.040A, S32.040B, S32.041A, S32.041B, S32.042A, S32.042B, S32.048A, S32.048B, S32.049A, S32.049B, S32.050A, S32.050B, S32.051A, S32.051B, S32.052A, S32.052B, S32.058A, S32.058B, S32.059A, S32.059B, S32.10XA, S32.10XB, S32.110A, S32.110B, S32.111A, S32.111B, S32.112A, S32.112B, S32.119A, S32.119B, S32.120A, S32.120B, S32.121A, S32.121B, S32.122A, S32.122B, S32.129A, S32.129B, S32.130A, S32.130B, S32.131A, S32.131B, S32.132A, S32.132B, S32.139A, S32.139B, S32.14XA, S32.14XB, S32.15XA, S32.15XB, S32.16XA, S32.16XB, S32.17XA, S32.17XB, S32.19XA, S32.19XB, S32.2XXA, S32.2XXB, S32.9XXA, S32.9XXB, S34.101A, S34.102A, S34.103A, S34.104A, S34.105A, S34.109A, S34.111A, S34.112A, S34.113A, S34.114A, S34.115A, S34.119A, S34.121A, S34.122A, S34.123A, S34.124A, S34.125A, S34.129A, S34.131A, S34.132A, S34.139A, S34.3XXA

- Patients with a diagnosis of lumbar spine region infection at the time of the procedure – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of lumbar spine region infection: M46.25, M46.26, M46.27, M46.28, M46.35, M46.36, M46.37, M46.38, M46.45, M46.46, M46.47, M46.48, M46.55, M46.56, M46.57, M46.58
- Patients with a diagnosis of lumbar neuromuscular, idiopathic, or congenital scoliosis – The following codes would be sufficient to define the **Denominator Exclusion (M1041)** of neuromuscular, idiopathic, or congenital scoliosis: M41.05, M41.06, M41.07, M41.08, M41.45, M41.46, M41.47, M41.115, M41.116, M41.117, M41.125, M41.126, M41.127, M41.25, M41.26, M41.27, Q67.5, Q76.3

NUMERATOR (SUBMISSION CRITERIA 2):

All eligible patients whose functional status is less than or equal to 22 OR an improvement of 30 points or greater on the Oswestry Disability Index (ODI Version 2.1a) patient reported outcome tool at one year (9 to 15 months) postoperatively

Definitions:

Measure Assessment Period (Performance Period) – The period of time following the procedure date that a postoperative Oswestry Disability Index (ODI version 2.1a) functional status score can be obtained.

Preoperative Assessment Oswestry Disability Index (ODI version 2.1a) – A preoperative ODI functional assessment score can be obtained from the patient any time up to three months preoperatively, inclusive of the date of the procedure. Assessment scores obtained more than three months before the procedure will not be used for measure calculation. If more than one preoperative ODI was obtained, use the ODI that is the most recent and prior to the procedure.

Postoperative Assessment Oswestry Disability Index (ODI version 2.1a) – A postoperative ODI functional assessment score can be obtained from the patient one year (9 to 15 months) after the date of procedure. Assessment scores obtained prior to nine months and after fifteen months postoperatively will not be used for measure calculation. If more than one postoperative ODI was obtained during the 9 to 15 months following the procedure, use the most recent score obtained during the allowable timeframe.

Oswestry Disability Index (ODI version 2.1a) Patient Reported Outcome Tool – An ODI patient reported outcome tool (also known as the Oswestry Low Back Pain Disability Questionnaire) is an extremely important tool that researchers and disability evaluators use to measure a patient's permanent functional disability. The test is considered the 'gold standard' of low back functional outcome tools. A copy of the tool can be obtained below or at the following link: <https://eprovide.mapi-trust.org/instruments/oswestry-disability-index>

Functional Status Target #1 – A patient who is assessed postoperatively at one year (9 to 15 months) after the procedure rates their functional status as less than or equal to 22.

Functional Status Target #2 – A patient who does not meet Functional Status Target #1 is assessed both preoperatively within 3 months prior to the procedure AND postoperatively at one year (9 to 15 months) after the procedure AND the improvement is demonstrated as a decrease in ODI score by greater than or equal to 30 points

NUMERATOR NOTE: *It is recommended that both a preoperative and postoperative assessment tool be administered to the patient to increase the chance that one of the numerator targets will be met. The*

following situations are those in which the numerator target cannot be reached and Performance Not Met M1043 or G2143 is submitted.

- ODI is not administered postoperatively at one year (9 to 15 months)
- Functional status is measured using a different patient reported functional status tool or ODI version
- Postoperative ODI is administered less than 9 months or greater than 15 months (1 year window)
- Postoperative ODI is greater than 22 and no valid preoperative ODI to measure improvement
- Postoperative ODI is greater than 22 and preoperative ODI (to measure improvement) is administered beyond the three month timeframe prior to and including the date of procedure (e.g., 6 months before procedure.)

Numerator Options:

Performance Met:

Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 to 15 months) postoperatively was less than or equal to 22 **OR** Functional status measured by the ODI version 2.1a within three months preoperatively AND at one year (9 to 15 months) postoperatively demonstrated an improvement of 30 points or greater (**G2142**)

OR

Performance Not Met:

Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 to 15 months) postoperatively (**M1043**)

OR

Performance Not Met:

Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 to 15 months) postoperatively was greater than 22 **AND** Functional status measured by the ODI version 2.1a within three months preoperatively AND at one year (9 to 15 months) postoperatively demonstrated an improvement of less than 30 points (**G2143**)

RATIONALE:

Mechanical low back pain (LBP) remains the second most common symptom-related reason for seeing a physician in the United States. Of the US population, 85% will experience an episode of mechanical LBP at some point during their lifetime. Fortunately, the LBP resolves for the vast majority within 2-4 weeks.

For individuals younger than 45 years, mechanical LBP represents the most common cause of disability and is generally associated with a work-related injury. For individuals older than 45 years, mechanical LBP is the third most common cause of disability, and a careful history and physical examination are vital to evaluation, treatment, and management (Hills et al 2022).

Overall, spine surgery rates have declined slightly from 2002-2007, but the rate of complex fusion procedures increased 15-fold, from 1.3 to 19.9 per 100,000 Medicare beneficiaries. Complications increased with increasing surgical invasiveness, from 2.3% among patients having decompression alone to 5.6% among those having complex fusions. After adjustment for age, comorbidity, previous spine surgery, and other features, the odds ratio (OR) of life-threatening complications for complex fusion compared with decompression alone was 2.95 (95% confidence interval [CI], 2.50-3.49). A similar pattern was observed for rehospitalization within 30 days, which occurred for 7.8% of patients undergoing decompression and 13.0% having a complex fusion (adjusted OR, 1.94; 95% CI, 1.74-2.17).

Adjusted mean hospital charges for complex fusion procedures were US \$80,888 compared with US \$23,724 for decompression alone (Deyo, R. JAMA 2010). The MNMCM Spine Surgery Measure development workgroup developed patient reported outcome measures for two populations of patients undergoing different lumbar spine procedures, a more complex procedure (lumbar fusion) and a second procedure that represented the most common procedure CPT

code 63030 for the most common diagnosis of disc herniation. In 2018, the development workgroup reconvened and redesigned the measure construct to a target-based measure and additionally expanded the denominator for this measure to include all lumbar discectomy laminectomy procedures

Rationale for measure construct and calculation change:

The target was derived from a study “Determination of the Oswestry Disability Index score equivalent to a "satisfactory symptom state" in patients undergoing surgery for degenerative disorders of the lumbar spine-a Spine Tango registry-based study”. vanHooff, ML et al Spine J. 2016 Oct;16(10):1221-1230. Patient Acceptable Symptom State (PASS), the highest level of symptom beyond which patients consider themselves well. PASS was compared to post-op ODI to determine an equivalent ODI threshold. ODI score less than or equal to 22 indicates the achievement of an acceptable symptom state and can be used as a criterion for treatment success. [AUC]: 0.89 [sensitivity: 78.3%, specificity: 82.1%] for 1 year follow-up]. The OR benchmark of improvement (30) derived from MNCM data (3 years); the average improvement in points of patients that did achieve the target of less than or equal to 22.

Rationale for the expansion of the denominator and addition of exclusions:

During the original development of this measure, the intent was to have a homogeneous population procedure that represented the most common procedure CPT code 63030 for the most common diagnosis of disc herniation. This strategy did not translate well from ICD-9 to ICD-10 diagnosis codes and the volume of eligible denominator patients dropped significantly. In 2018, the MNCM development workgroup reconvened for measure construct redesign and adopted a broader denominator population; all applicable discectomy laminectomy procedure codes and not limited by a type of diagnosis (includes all). With this decision, the workgroup decided to adopt the same exclusions for the spine fusion population and added exclusions for spine related cancer, acute fracture or infection, idiopathic or congenital scoliosis.

CLINICAL RECOMMENDATION STATEMENTS:

Journal of Neurosurgery guidelines indicate that there is no evidence that conflicts with the previous recommendations published in the original version of the guideline. This recommendation is for the use of a reliable, valid and responsive outcomes instrument to assess functional outcome in lumbar spinal fusion patients. It is recommended that when assessing functional outcome in patients treated for low-back pain due to degenerative disease, a reliable, valid, and responsive outcomes instrument, such as the disease-specific Oswestry Disability Index (ODI), be used (Level II evidence).

MEASURE CALCULATION EXAMPLE:

| Patient | Pre-op ODI | Post-op ODI | Post-op < 22? | If No, (Pre-op minus Post-op) | If No, Met Improvement Target of ≥ 30 ? | Met Numerator Target? |
|-----------|------------|-------------|---------------|-------------------------------|--|-----------------------|
| Patient A | 47 | 18 | Yes | na | na | Yes |
| Patient B | 45 | 52 | No | -7 | No | No |
| Patient C | 56 | 12 | Yes | na | na | Yes |
| Patient D | 62 | 25 | No | 37 | Yes | Yes |
| Patient E | 42 | 57 | No | -15 | No | No |
| Patient F | 51 | 10 | Yes | na | na | Yes |
| Patient G | 62 | 25 | No | 37 | Yes | Yes |
| Patient H | 43 | 20 | Yes | na | na | Yes |
| Patient I | 74 | 35 | No | 39 | Yes | Yes |
| Patient J | 59 | 23 | No | 36 | Yes | Yes |
| Rate | | | | | | 80% |

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MEASURE TOOL:

ODI version 2.1a

This questionnaire is designed to give us information as to how your back (or leg) trouble affects your ability to manage in everyday life. Please answer every section. Mark one box only in each section that most closely describes you today.

Section 1 - Pain intensity

- I have no pain at the moment.
- The pain is very mild at the moment.
- The pain is moderate at the moment.
- The pain is fairly severe at the moment.
- The pain is very severe at the moment.
- The pain is the worst imaginable at the moment.

Section 2 - Personal care (washing, dressing, etc.)

- I can look after myself normally without causing additional pain.
- I can look after myself normally but it is very painful.
- It is painful to look after myself and I am slow and careful.
- I need some help but manage most of my personal care.
- I need help every day in most aspects of my personal care.
- I do not get dressed, I wash with difficulty and stay in bed.

Section 3 - Lifting

- I can lift heavy weights without additional pain.
- I can lift heavy weights but it gives me additional pain.
- Pain prevents me from lifting heavy weights off the floor but I can manage if they are conveniently positioned, e.g. on a table.
- Pain prevents me from lifting heavy weights but I can manage light to medium weights if they are conveniently positioned.

- I can only lift very light weights.
- I cannot lift or carry anything at all.

Section 4 - Walking

- Pain does not prevent me from walking any distance.
- Pain prevents me from walking more than one mile.
- Pain prevents me from walking more than a quarter of a mile.
- Pain prevents me from walking more than 100 yards.
- I can only walk using a cane or crutches.
- I am in bed most of the time and have to crawl to the toilet.

Section 5 - Sitting

- I can sit in any chair as long as I like.
- I can sit in my favorite chair as long as I like
- Pain prevents me from sitting for more than 1 hour.
- Pain prevents me from sitting for more than half an hour.
- Pain prevents me from sitting for more than 10 minutes.
- Pain prevents me from sitting at all.

Section 6 - Standing

- I can stand as long as I want without additional pain.
- I can stand as long as I want but it gives me additional pain.
- Pain prevents me from standing for more than 1 hour.
- Pain prevents me from standing for more than half an hour.
- Pain prevents me from standing for more than 10 minutes.
- Pain prevents me from standing at all.

Section 7 - Sleeping

- My sleep is never interrupted by pain.
- My sleep is occasionally interrupted by pain.
- Because of pain I have less than 6 hours sleep.
- Because of pain I have less than 4 hours sleep.
- Because of pain I have less than 2 hours sleep.
- Pain prevents me from sleeping at all.

Section 8 - Sex life (if applicable)

- My sex life is normal and causes no additional pain.
- My sex life is normal but causes some additional pain.
- My sex life is nearly normal but is very painful.
- My sex life is severely restricted by pain.
- My sex life is nearly non-existent because of pain.
- Pain prevents me from having any sex life at all.

Section 9 - Social life

- My social life is normal and causes me no additional pain.
- My social life is normal but increases the degree of pain.
- Pain has no significant effect on my social life apart from limiting my more energetic interests, e.g. sport, etc.
- Pain has restricted my social life and I do not go out as often.

- Pain has restricted my social life to home.
- I have no social life because of pain.

Section 10 - Traveling

- I can travel anywhere without pain.
- I can travel anywhere but it gives me additional pain.
- Pain is bad but I am able to manage trips over two hours.
- Pain restricts me to trips of less than one hour.
- Pain restricts me to short necessary trips of under 30 minutes.
- Pain prevents me from traveling except to receive treatment.

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ID6287 / ODI_AU2.1a_eng-US.doc

2024 Clinical Quality Measure Flow for Quality ID #471: Functional Status After Lumbar Surgery Submission Criteria One

Disclaimer: Refer to the measure specification for specific coding and instructions to submit this measure.

Multiple Performance Rates



SAMPLE CALCULATION: SUBMISSION CRITERIA ONE

Data Completeness=

$$\frac{\text{Performance Met (a}^1=55 \text{ procedures)} + \text{Performance Not Met (c}^1+c^2=45 \text{ procedures)}}{\text{Eligible Population/Denominator (d}^1=100 \text{ procedures)}} = \frac{100 \text{ procedures}}{100 \text{ procedures}} = 100.00\%$$

Performance Rate=

$$\frac{\text{Performance Met (a}^1=55 \text{ procedures)}}{\text{Data Completeness Numerator (100 procedures)}} = \frac{55 \text{ procedures}}{100 \text{ procedures}} = 55.00\%$$

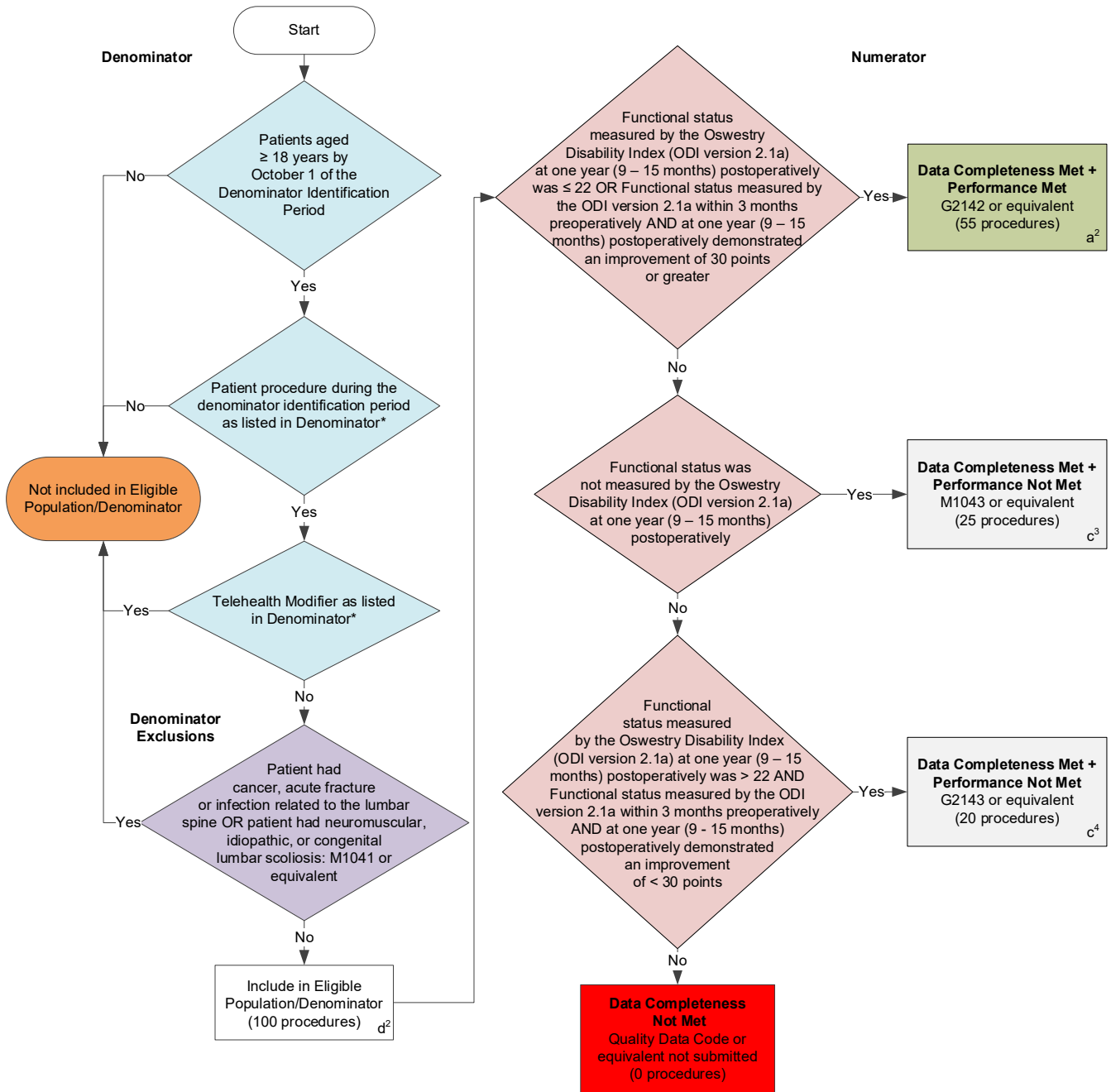
*See the posted measure specification for specific coding and instructions to submit this measure.

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.

v8

Submission Criteria Two



SAMPLE CALCULATION: SUBMISSION CRITERIA TWO

Data Completeness=

$$\frac{\text{Performance Met (a}^2=55 \text{ procedures)} + \text{Performance Not Met (c}^3+\text{c}^4=45 \text{ procedures)}}{\text{Eligible Population/Denominator (d}^2=100 \text{ procedures)}} = \frac{100 \text{ procedures}}{100 \text{ procedures}} = 100.00\%$$

Performance Rate=

$$\frac{\text{Performance Met (a}^2=55 \text{ procedures)}}{\text{Data Completeness Numerator (100 procedures)}} = \frac{55 \text{ procedures}}{100 \text{ procedures}} = 55.00\%$$

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

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OVERALL SAMPLE CALCULATIONS:

Overall Data Completeness=

$$\frac{\text{Performance Met (a}^1+\text{a}^2=110 \text{ procedures) + Performance Not Met (c}^1+\text{c}^2+\text{c}^3+\text{c}^4=90)}{\text{Eligible Population / Denominator (d}^1+\text{d}^2=200 \text{ procedures)}} = \frac{200 \text{ procedures}}{200 \text{ procedures}} = 100\%$$

Overall Performance Rate=

$$\frac{\text{Performance Met (a}^1+\text{a}^2=110 \text{ procedures)}}{\text{Data Completeness Numerator (200 procedures)}} = \frac{110 \text{ procedures}}{200 \text{ procedures}} = 55.00\%$$

*See the posted measure specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency: Procedure

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2024 Clinical Quality Measure Flow Narrative for Quality ID #471: Functional Status After Lumbar Surgery

Disclaimer: Refer to the measure specification for specific coding and instructions to submit this measure.

Multiple Performance Rates

Submission Criteria One:

1. Start with Denominator
2. Check *Patients aged greater than or equal to 18 years by January 1 of the Denominator Identification Period*:
 - a. If *Patients aged greater than or equal to 18 years by January 1 of the Denominator Identification Period* equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patients aged greater than or equal to 18 years by January 1 of the Denominator Identification Period* equals Yes, proceed to check *Patient procedure during the denominator identification period as listed in Denominator**.
3. Check *Patient procedure during the denominator identification period as listed in Denominator**:
 - a. If *Patient procedure during the denominator identification period as listed in Denominator** equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patient procedure during the denominator identification period as listed in Denominator** equals Yes, proceed to check *Telehealth Modifier as listed in Denominator**.
4. Check *Telehealth Modifier as listed in Denominator**:
 - a. If *Telehealth Modifier as listed in Denominator** equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Telehealth Modifier as listed in Denominator** equals No, proceed to check *Patient had a lumbar fusion on the same date as the discectomy/laminectomy procedure as listed in Denominator**.
5. Check *Patient had a lumbar fusion on the same date as the discectomy/laminectomy procedure as listed in Denominator**:
 - a. If *Patient had a lumbar fusion on the same date as the discectomy/laminectomy procedure as listed in Denominator** equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patient had a lumbar fusion on the same date as the discectomy/laminectomy procedure as listed in Denominator** equals No, proceed to check *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis*.
6. Check *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis*:
 - a. If *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.

- b. If Patient had cancer, acute fracture or infection related to the lumbar spine or patient had neuromuscular, idiopathic, or congenital lumbar scoliosis equals No, include in Eligible Population/Denominator.
7. Denominator Population:
- 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 d¹ equals 100 procedures in the Sample Calculation.
8. Start Numerator
9. Check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of 30 points or greater:*
- a. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of 30 points or greater* equals Yes, include in *Data Completeness Met and Performance Met*.
- *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 a¹ equals 55 procedures in the Sample Calculation.
- b. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of 30 points or greater* equals No, check *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively*.
10. Check *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively:*
- a. If *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively* equals Yes, include in *Data Completeness Met and Performance Not Met*.
- *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 c¹ equals 25 procedures in the Sample Calculation.
- b. If *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively* equals No, proceed to check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of less than 30 points*.
11. Check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of less than 30 points:*

- a. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of less than 30 points* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - *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 c² equals 20 procedures in the Sample Calculation.
- b. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at 3 months (6 – 20 weeks) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at 3 months (6 – 20 weeks) postoperatively demonstrated an improvement of less than 30 points* equals No, proceed to check *Data Completeness Not Met*.

12. Check *Data Completeness Not Met*:

- If *Data Completeness Not Met*, the Quality Data Code or equivalent was not submitted.

Sample Calculations: Submission Criteria One

Data Completeness equals Performance Met (a¹ equals 55 procedures) plus Performance Not Met (c¹ plus c² equals 45 procedures) divided by Eligible Population / Denominator (d¹ equals 100 procedures). All equals 100 procedures divided by 100 procedures. All equals 100.00 percent.

Performance Rate equals Performance Met (a equals 55 procedures) divided by Data Completeness Numerator (100 procedures). All equals 55 procedures divided by 100 procedures. All equals 55.00 percent.

*See the posted measure specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency: Procedure

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Submission Criteria Two:

1. Start with Denominator
2. Check *Patients aged greater than or equal to 18 years by October 1 of the Denominator Identification Period*:
 - a. If *Patients aged greater than or equal to 18 years by October 1 of the Denominator Identification Period* equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patients aged greater than or equal to 18 years by October 1 of the Denominator Identification Period* equals Yes, proceed to check *Patient procedure during the denominator identification period as listed in Denominator**.
3. Check *Patient procedure during the denominator identification period as listed in Denominator**:
 - a. If *Patient procedure during the denominator identification period as listed in Denominator** equals No, do not include in *Eligible Population/Denominator*. Stop processing.

- b. If *Patient procedure during the denominator identification period as listed in Denominator** equals Yes, proceed to check *Telehealth Modifier as listed in Denominator**.
4. Check *Telehealth Modifier as listed in Denominator**:
 - a. If *Telehealth Modifier as listed in Denominator** equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Telehealth Modifier as listed in Denominator** equals No, proceed to check *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis*.
5. Check *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis*:
 - a. If *Patient had cancer, acute fracture or infection related to the lumbar spine OR patient had neuromuscular, idiopathic, or congenital lumbar scoliosis* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patient had cancer, acute fracture or infection related to the lumbar spine or patient had neuromuscular, idiopathic, or congenital lumbar scoliosis* equals No, include in *Eligible Population/Denominator*.
6. Denominator Population:
 - 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 d² equals 100 procedures in the Sample Calculation.
7. Start Numerator
8. Check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of 30 points or greater*:
 - a. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of 30 points or greater* equals Yes, include in *Data Completeness Met and Performance Met*.
 - *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 a² equals 55 procedures in the Sample Calculation.
 - b. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was less than or equal to 22 OR Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of 30 points or greater* equals No, check *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively*.
9. Check *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively*:

- a. If *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - *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 c³ equals 25 procedures in the Sample Calculation.
 - b. If *Functional status was not measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively* equals No, proceed to check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of less than 30 points*.
10. Check *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of less than 30 points*:
- a. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of less than 30 points* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - *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 c⁴ equals 20 procedures in the Sample Calculation.
 - b. If *Functional status measured by the Oswestry Disability Index (ODI version 2.1a) at one year (9 – 15 months) postoperatively was greater than 22 AND Functional status measured by the ODI version 2.1a within 3 months preoperatively AND at one year (9 – 15 months) postoperatively demonstrated an improvement of less than 30 points* equals No, proceed to check *Data Completeness Not Met*.
11. Check *Data Completeness Not Met*:
- If *Data Completeness Not Met*, the Quality Data Code or equivalent was not submitted.

Sample Calculations: Submission Criteria Two

Data Completeness equals Performance Met (a² equals 55 procedures) plus Performance Not Met (c³ plus c⁴ equals 45 procedures) divided by Eligible Population / Denominator (d² equals 100 procedures). All equals 100 procedures divided by 100 procedures. All equals 100.00 percent.

Performance Rate equals Performance Met (a² equals 55 procedures) divided by Data Completeness Numerator (100 procedures). All equals 55 procedures divided by 100 procedures. All equals 55.00 percent.

Overall Sample Calculations

Overall Data Completeness equals Performance Met (a¹ plus a² equals 110 procedures) plus Performance Not Met (c¹ plus c² plus c³ plus c⁴ equals 90 procedures) divided by Eligible Population / Denominator (d¹ plus d² equals 200 procedures). All equals 200 procedures divided by 200 procedures. All equals 100 percent.

Overall Performance Rate equals Performance Met (a¹ plus a² equals 110 procedures) divided by Data Completeness Numerator (200 procedures). All equals 110 procedures divided by 200 procedures. All equals 55 percent.

*See the posted measure specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency: Procedure

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