

**Quality ID #182 (NQF 2624): Functional Outcome Assessment – National Quality Strategy Domain: Communication and Care Coordination**

**2018 OPTIONS FOR INDIVIDUAL MEASURES:**  
**CLAIMS ONLY**

**MEASURE TYPE:**  
Process

**DESCRIPTION:**  
Percentage of visits for patients aged 18 years and older with documentation of a current functional outcome assessment using a standardized functional outcome assessment tool on the date of the encounter AND documentation of a care plan based on identified functional outcome deficiencies on the date of the identified deficiencies

**INSTRUCTIONS:**  
This measure is to be submitted **each denominator eligible visit** for patients seen during the 12 month performance period. The functional outcome assessment is required to be current as defined in the definition section. This measure may be submitted by eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

**Measure Submission:**  
The listed denominator criteria is used to identify the intended patient population. The numerator quality-data codes included in this specification are used to submit the quality actions allowed by the measure. All measure-specific coding should be submitted on the claim(s) representing the eligible encounter.

**DENOMINATOR:**  
All visits for patients aged 18 years and older

**Denominator Criteria (Eligible Cases):**  
Patients aged  $\geq$  18 years on date of encounter

**AND**

**Patient encounter during the performance period (CPT):** 97161, 97162, 97163, 97164, 97165, 97166, 97167, 97168, 98940, 98941, 98942, 99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215

**NUMERATOR:**  
Patients with a documented current functional outcome assessment using a standardized tool AND a documented care plan based on the identified functional outcome deficiencies

**Numerator Instructions:** Documentation of a current functional outcome assessment must include identification of the standardized tool used.

**Definitions:**

**Standardized Tool** – A tool that has been normed and validated. Examples of tools for functional outcome assessment include, but are not limited to: Oswestry Disability Index (ODI), Roland Morris Disability/Activity Questionnaire (RM), Neck Disability Index (NDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Disabilities of the Arm, Shoulder and Hand (DASH), and Knee Outcome Survey Activities of Daily Living Scale (KOS-ADL).

**Note:** A functional outcome assessment is multi-dimensional and quantifies pain and musculoskeletal/neuromusculoskeletal capacity; therefore the use of a standardized tool assessing pain alone, such as the visual analog scale (VAS), does not meet the criteria of a functional outcome assessment standardized tool.

**Functional Outcome Assessment** – Patient completed questionnaires designed to measure a patient's physical limitations in performing the usual human tasks of living and to directly quantify functional and behavioral symptoms.

**Current (Functional Outcome Assessment)** – A patient having a documented functional outcome assessment utilizing a standardized tool and a care plan if indicated within the previous 30 days.

**Functional Outcome Deficiencies** – Impairment or loss of physical function related to musculoskeletal/neuromusculoskeletal capacity, may include but are not limited to: restricted flexion, extension and rotation, back pain, neck pain, pain in the joints of the arms or legs, and headaches.

**Care Plan** – A care plan is an ordered assembly of expected/planned activities or actionable elements based on identified deficiencies. These may include observations, goals, services, appointments and procedures, usually organized in phases or sessions, which have the objective of organizing and managing health care activity for the patient, often focused on one or more of the patient's health care problems. Care plans may also be known as a treatment plan.

**Not Eligible (Denominator Exception)** – A patient is not eligible if one or more of the following reasons(s) is documented at the time of the encounter:

- Patient refuses to participate
- Patient unable to complete questionnaire
- Patient is in an urgent or emergent medical situation where time is of the essence and to delay treatment would jeopardize the patient's health status

**NUMERATOR NOTE:** *The intent of this measure is for a functional outcome assessment tool to be utilized at a minimum of every 30 days but submission is required at each visit due to coding limitations. Therefore, for visits occurring within 30 days of a previously documented functional outcome assessment, the numerator quality-data code G8942 should be used for submission purposes.*

**Numerator Quality-Data Coding Options:**

**Functional Outcome Assessment Documented as Positive AND Care Plan Documented**

**Performance Met: G8539:**

Functional outcome assessment documented as positive using a standardized tool AND a care plan based, on identified deficiencies on the date of the functional outcome assessment, is documented

**OR**

**Functional Outcome Assessment Documented, No Functional Deficiencies Identified, Care Plan not Required**

**Performance Met: G8542:**

Functional outcome assessment using a standardized tool is documented; no functional deficiencies identified, care plan not required

**OR**

**Functional Outcome Assessment Documented AND Care Plan Documented, if Indicated, Within the Previous 30 Days**

**Performance Met: G8942:**

Functional outcome assessment using a standardized tool is documented within the previous 30 days and a care plan, based on identified deficiencies on the date of the functional outcome assessment, is documented

**OR**

**Functional Outcome Assessment not Documented, Patient not Eligible**

**Denominator Exception: G8540:**

Functional outcome assessment NOT documented as being performed, documentation the patient is not eligible for a functional outcome assessment using a standardized tool at the time of the encounter

**OR**

**Functional Outcome Assessment Documented, Care Plan not Documented, Patient not Eligible**

**Denominator Exception: G9227:**

Functional outcome assessment documented, care plan not documented, documentation the patient is not eligible for a care plan at the time of the encounter

**OR**

**Functional Outcome Assessment not Documented, Reason not Given**

**Performance Not Met: G8541:**

Functional outcome assessment using a standardized tool not documented, reason not given

**OR**

**Functional Outcome Assessment Documented as Positive, Care Plan not Documented, Reason not Given**

**Performance Not Met: G8543:**

Documentation of a positive functional outcome assessment using a standardized tool; care plan not documented, reason not given

**RATIONALE:**

Standardized outcome assessments, questionnaires or tools are a vital part of evidence-based practice. Despite the recognition of the importance of outcomes assessments, questionnaires and tools, recent evidence suggests their use in clinical practice is limited. Utilization of the appropriate outcomes assessment, questionnaires, and tools enhances clinical practice by (1) identifying and quantifying body function and structure limitations, (2) formulating evaluation, diagnosis, and prognosis, (3) forming the plan of care, (4) assisting in evaluating the patient progress towards the goals and validating the benefits of treatment, (5) improving communication between client, clinician, and third party payer, (6) assisting to improve the documentation of care provided (Leshner, et al., 2016; Potter, et al., 2011; Schenk, et al. 2016).

“The use of standardized tests and measures early in an episode of care establishes the baseline status of the patient/client, providing a means to quantify change in the patient’s/client’s functioning. Outcome measures, along with other standardized tests and measures used throughout the episode of care, as part of periodic reexamination, provide information about whether predicted outcomes are being realized” (American Physical Therapy Association (APTA), 2016).

Early in the intervention process, occupational therapists should select outcomes that are valid, reliable, sensitive to change; congruent with client goals and based on their actual or purported ability to predict future outcomes. Outcomes are applied to measure progress and adjust goals and interventions. Results are used to make decisions about future direction of intervention (American Occupational Therapy Association (AOTA), 2014).

“Few outcome measures are routinely used to assess patients with neck pain other than a numeric pain rating scale. A comparison of practice patterns to current evidence suggests overutilization of some measures that have questionable reliability and underutilization of some with better supporting evidence. This practice analysis suggests that there is substantial need to implement more consistent outcome measurement” (MacDermid et al., 2013).

Barriers to use of classification systems and outcome measures were lack of knowledge, too limiting, and time. Classification systems are being used for decision-making in physical therapy practice for patients with lower back pain (LBP). Lack of knowledge and training seems to be the main barrier to the use of classification systems in practice (Davies et al., 2014). Leshner, et al. (2016) noted that Occupational Therapists who use assessment tools may not have understood the tools design or intent leading to overinterpretation, underinterpretation, or misuse of tool.

Treatment for musculoskeletal disorders and associated lost wages is on the increase in the U.S. One in every 2 Americans have a musculoskeletal disorder leading to an estimated cost of \$213 billion for treatment, care, and lost wages (Bone and Joint Initiative, USA, 2016). Hoy, et al (2014) noted in the Global Burden of Disease Study, musculoskeletal disorders accounted for 6.8% of the total disability –adjusted life years (DALYs).

Of the musculoskeletal disorders, arthritis was noted to be the most common cause of disability with an estimated 51.8 million people experiencing some level of disability from arthritis (Bone and Joint Initiative, USA, 2016). Osteoarthritis of the upper limbs produces higher disability scores and earlier episodes of disability; while osteoarthritis of the knees,

hips, and spine worsens with age and causes progressive disability (Montero, et al., 2016). The total cost of treating osteoarthritis is \$580.9 billion, an increase of 13 percent since 2000, with an estimated 25 million people losing an average of 11.4 days of work for a total of 290.8 million lost work days (Bone and Joint Initiative, USA, 2016).

While arthritis is considered the most common cause of disability, there are several other musculoskeletal disorders that are prevalent. The U.S. Bureau of Labor Statistics (2015) reported that musculoskeletal disorders had the highest incidence of injury, 31% of cases, which accounted for more than four thousand lost work days, with sprains, strains, and tears being the most commonly reported. Of those injuries, the most commonly affected was the upper extremities, with hands and shoulder injuries accounting for the majority of missed days (U.S. Bureau of Labor Statistics, 2015). Also, Marik, et al. (2016) noted that half of the population will experience shoulder pain leading to decreased strength and restricted range of motion (ROM) impacting quality of life and limiting involvement in meaningful occupational activities. In addition, Blanchette, et al. (2016) reported that low back pain is one of the leading causes of disability worldwide, one of the most common reasons patients seek medical care, most common occupational disorder, and major cause of lost work days.

### **CLINICAL RECOMMENDATION STATEMENTS:**

As a category, functional outcome assessments of everyday tasks are very suitable for evaluating treatment of dysfunctions of the neuromusculoskeletal system. Many questionnaires could be used; choice should depend upon the validity, reliability, responsiveness, and practicality demonstrated in the scientific literature. Functional questionnaires seek to directly quantify symptoms, function and behavior, rather than draw inferences from relevant physiological tests. Clinicians contemplating the use of functional instruments should be aware of differences between questionnaires and choose the most appropriate assessment tool for the specific purpose (Haldeman et al., 2005) (Evidence Class: I, II, III, Consensus Level: 1). Leshner, et al. (2017) and Wales, et al. (2017) found that functional assessments can be descriptive, evaluative, discriminative and/ or predictive, and should be tested and validated in the population being tested. The tool should be selected based on purpose of the assessment and type of injury sustained (Leshner, et al., 2017; and Wales, et al., 2016). Utilization of validated pain and function scales help to differentiate treatment approaches in order to improve the patient's ability to function (ICSI, 2012).

Outcome measures/standardized assessments are used by physical therapists to evaluate patient response to therapeutic interventions. In a 2006 Centers for Medicare & Medicaid Services report, *Uniform Patient Assessment for Post-Acute Care*, the Division of Health Care Policy and Research recommended there is a role for uniform outcome assessments to determine long term function for patients leaving the acute care hospital.

Clinicians should use validated functional outcome measures, such as the Disabilities of the Arm, Shoulder and Hand (DASH), the American Shoulder and Elbow Surgeons shoulder scale (ASES), or the Shoulder Pain and Disability Index (SPPADI). These should be utilized before and after interventions intended to alleviate the impairments of body function and structure, activity limitations, and participation restrictions associated with adhesive capsulitis (Kelley et al., 2013) (Guideline). Clinicians should use validated self-report questionnaires, such as the Oswestry Disability Index and the Roland- Morris Disability Questionnaire. These tools are useful for identifying a patient's baseline status relative to pain, function, and disability and for monitoring a change in a patient's status throughout the course of treatment (Delitto et al., 2012) (Guideline). Validated tools should not be modified and shortened without changing the name and re-testing the tool for validity and reliability (Wales, et al., 2016).

Tracking the outcomes of an implementation program is critical to evaluating its benefit to patients (Kramer et al., 2013). Understanding the clinical course of a condition can help assessment of individual patient outcomes by providing a meaningful point of reference with which to compare an individual patient's progress (Leaver et al., 2013). The Council on Chiropractic Education (2012) recommended keeping appropriate records of the patient's evaluation and case management needs to aptly respond to changes in patient status, or failure of the patient to respond to care. The Institute of Medicine's (2012) *Living Well with Chronic Illness: A Call for Public Health Action* stated the surveillance systems need to be improved to assess health-related quality of life and functional status of patients.

The American College of Physicians 2017 guidelines for noninvasive treatment of acute, subacute, and chronic low back pain noted that the clinician should utilize non-pharmacologic interventions, such as exercise, spinal manipulation,

heat, psychological therapies, etc., prior to pharmacologic interventions. Patients who received non-pharmacologic interventions demonstrated improvement in pain and overall function with fewer harms experience than those patients who received pharmacologic therapies (Chou, R., et al., 2017; & Qaseem, A., et al., 2017).

Outcome assessment scales provide a concise, valid way to track function and improvement in function. Anchored numerical scales are recommended for tracking routine progress, particularly pain interference with important activities. Regional or condition functional outcome scales should be routinely used at baseline and periodic follow-ups. More frequent follow-up is recommended with higher frequency care (Washington State Department of Labor and Industries, 2014).

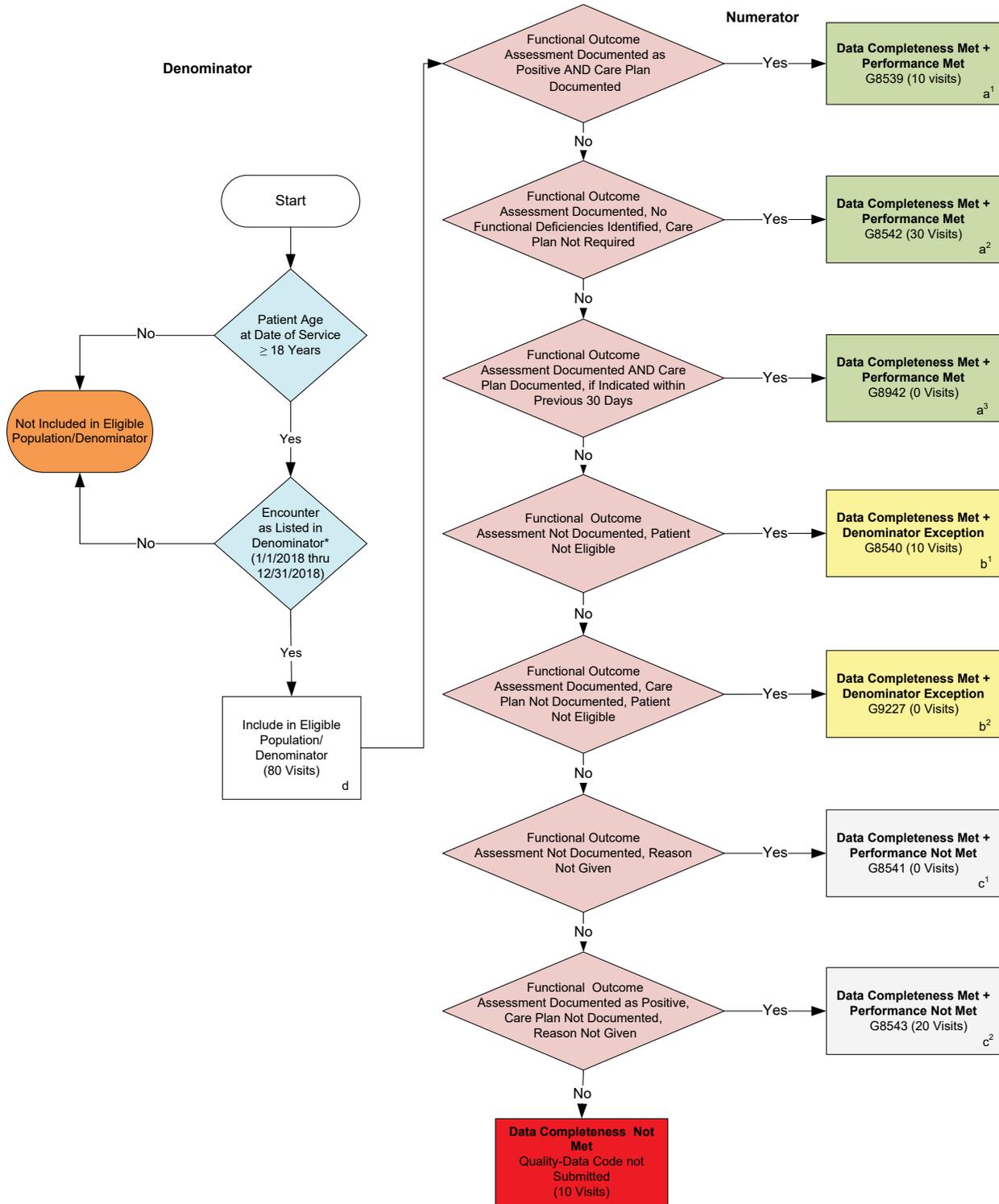
**COPYRIGHT:**

These measures were developed by Quality Insights, Inc. as a special project under the Quality Insights' Medicare Quality Improvement Organization (QIO) contract HHSM-500-2005-PA001C with the Centers for Medicare & Medicaid Services. These measures are in the public domain.

Limited proprietary coding is contained in the measure specifications for convenience. Users of the proprietary code sets should obtain all necessary licenses from the owners of these code sets. Quality Insights, Inc. disclaims all liability for use or accuracy of any Current Procedural Terminology (CPT [R]) or other coding contained in the specifications. CPT® contained in the Measures specifications is copyright 2004-2017 American Medical Association. All Rights Reserved. These performance measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications.

**THE MEASURES AND SPECIFICATIONS ARE PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND.**

## 2018 Claims Flow for Quality ID #182 NQF #2624: Functional Outcome Assessment



\*See the posted Measure Specification for specific coding and instructions to submit this measure.  
NOTE: Submission Frequency- Visit

CPT only copyright 2017 American Medical Association. All rights reserved.  
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.

v2

## 2018 Claims Flow for Quality ID #182 NQF #2624: Functional Outcome Assessment

### SAMPLE CALCULATIONS:

#### **Data Completeness=**

$$\frac{\text{Performance Met } (a^1+a^2+a^3=40 \text{ visits}) + \text{Denominator Exception } (b^1+b^2=10 \text{ visits}) + \text{Performance Not Met } (c^1+c^2=20 \text{ visits}) = 70 \text{ visits}}{\text{Eligible Population / Denominator } (d=80 \text{ visits})} = \frac{70 \text{ visits}}{80 \text{ visits}} = 87.50\%$$

#### **Performance Rate=**

$$\frac{\text{Performance Met } (a^1+a^2+a^3=40 \text{ visits})}{\text{Data Completeness Numerator } (70 \text{ visits}) - \text{Denominator Exception } (b^1+ b^2= 10 \text{ visits}) = 60 \text{ visits}} = \frac{40 \text{ visits}}{60 \text{ visits}} = 66.66\%$$

\*See the posted Measure Specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency- Visit

CPT only copyright 2017 American Medical Association. All rights reserved.  
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.

v2

**2018 Claims Flow for Quality ID**  
**#182 NQF# 2624: Functional Outcome Assessment**

Please refer to the specific section of the Specification to identify the denominator and numerator information for use in submitting this Individual Specification. This flow is for claims data submission.

1. Start with Denominator
2. Check Patient Age:
  - a. If the Age is greater than or equal to 18 years of age at Date of Service and equals No during the Performance Period, do not include in Eligible Patient Population. Stop Processing.
  - b. If the Age is greater than or equal to 18 years of age at Date of Service and equals Yes during the Performance Period, proceed to check Encounter Performed.
3. Check Encounter Performed:
  - a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
  - b. If Encounter as Listed in the Denominator equals Yes, include in the Eligible Population.
4. 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 visits in the Sample Calculation.
5. Start Numerator
6. Check Functional Outcome Assessment Documented as Positive AND Care Plan Documented:
  - a. If Functional Outcome Assessment Documented as Positive AND Care Plan Documented equals Yes, include in Data Completeness Met and Performance Met.
  - b. Data Completeness Met and Performance Met letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a<sup>1</sup> equals 10 visits in the Sample Calculation.
  - c. If Functional Outcome Assessment Documented as Positive AND Care Plan Documented equals No, proceed to Functional Outcome Assessment Documented, No Functional Deficiencies Identified, Care Plan Not Required.
7. Check Functional Outcome Assessment Documented, No Functional Deficiencies Identified, Care Plan Not Required:
  - a. If Functional Outcome Assessment Documented, No Functional Deficiencies Identified, Care Plan Not Required equals Yes, include in Data Completeness Met and Performance Met.
  - b. Data Completeness Met and Performance Met letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a<sup>2</sup> equals 30 visits in the Sample Calculation.

- c. If Functional Outcome Assessment Documented, No Functional Deficiencies Identified, Care Plan Not Required equals No, proceed to Functional Outcome Assessment Documented AND Care Plan Documented, if Indicated within Previous 30 Days.
8. Check Functional Outcome Assessment Documented AND Care Plan Documented, if Indicated within Previous 30 Days:
- a. If Functional Outcome Assessment Documented AND Care Plan Documented, if Indicated within Previous 30 Days equals Yes, include in the Data Completeness Met and Performance Met.
  - b. Data Completeness Met and Performance Met letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a<sup>3</sup> equals 0 visits in the Sample Calculation.
  - c. If Functional Outcome Assessment Documented AND Care Plan Documented, if Indicated within Previous 30 Days equals No, proceed to Functional Outcome Assessment Not Documented, Patient Not Eligible.
9. Check Functional Outcome Assessment Not Documented, Patient Not Eligible:
- a. If Functional Outcome Assessment Not Documented, Patient Not Eligible equals Yes, include in Data Completeness Met and Denominator Exception.
  - b. Data Completeness Met and Denominator Exception letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter b<sup>1</sup> equals 10 visits in the Sample Calculation.
  - c. If Functional Outcome Assessment Not Documented, Patient Not Eligible equals No, proceed to Functional Outcome Assessment Documented, Care Plan Not Documented, Patient Not Eligible.
10. Check Functional Outcome Assessment Documented, Care Plan Not Documented, Patient Not Eligible:
- a. If Functional Outcome Assessment Documented, Care Plan Not Documented, Patient Not Eligible equals Yes, include in Data Completeness Met and Denominator Exception.
  - b. Data Completeness Met and Denominator Exception letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter b<sup>2</sup> equals 0 visits in the Sample Calculation.
  - c. If Functional Outcome Assessment Documented, Care Plan Not Documented, Patient Not Eligible equals No, proceed to Functional Outcome Assessment Not Documented, Reason Not Given.
11. Check Functional Outcome Assessment Not Documented, Reason Not Given:
- a. If Functional Outcome Assessment 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 as Data Completeness in the Sample Calculation listed at the end of this document. Letter c<sup>1</sup> equals 0 visits in the Sample Calculation.
  - c. If Functional Outcome Assessment Not Documented, Reason Not Given equals No, proceed to Functional Outcome Assessment Documented as Positive, Care Plan Not Documented, Reason Not Given.
12. Check Functional Outcome Assessment Documented as Positive, Care Plan Not Documented, Reason Not Given:

- a. If Functional Outcome Assessment Documented as Positive, Care Plan 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 as Data Completeness in the Sample Calculation listed at the end of this document. Letter c<sup>2</sup> equals 20 visits in the Sample Calculation.
- c. If Functional Outcome Assessment Documented as Positive, Care Plan Not Documented, Reason Not Given equals No, proceed to Data Completeness Not Met.

13. Check Data Completeness Not Met:

- a. If Data Completeness Not Met equals No, Quality Data Code not submitted. 10 visits have been subtracted from the Data Completeness Numerator in the Sample Calculation.

**SAMPLE CALCULATIONS:**

**Data Completeness=**

$$\frac{\text{Performance Met (a}^1+\text{a}^2+\text{a}^3= 40 \text{ visits)} + \text{Denominator Exception (b}^1+\text{b}^2=10 \text{ visits)} + \text{Performance Not Met (c}^1+\text{c}^2=20 \text{ visits)}}{\text{Eligible Population / Denominator (d=80 visits)}} = \frac{70 \text{ visits}}{80 \text{ visits}} = \mathbf{87.50\%}$$

**Performance Rate=**

$$\frac{\text{Performance Met (a}^1+\text{a}^2+\text{a}^3= 40 \text{ visits)}}{\text{Data Completeness Numerator (70 visits) – Denominator Exception (b}^1+\text{b}^2= 10 \text{ visits)}} = \frac{40 \text{ visits}}{60 \text{ visits}} = \mathbf{66.66\%}$$