

In collaboration with CECity

# The NOF & NBHA Quality Improvement Registry

This registry is approved by CMS as a Qualified Clinical Data Registry (QCDR) for Eligible Professionals and GPRO Practices for the 2016 Physician Quality Reporting System (PQRS) program year.

## CUSTOM SPECIALTY MEASURES

### NOF 1 - Laboratory Investigation for Secondary Causes of Fracture (NQF 2416)

Percentage of patients age 50 and over with fragility fracture who have had appropriate laboratory investigation for secondary causes of fracture ordered or performed prior to discharge from inpatient status.

**National Quality Strategy Domain:** Effective Clinical Care

### NOF 2 - Risk Assessment/Treatment after Fracture (NQF 2417)

Patients age 50 or over with a fragility fracture who have either a dual-energy X-Ray absorptiometry (DXA) scan ordered or performed, or a prescription for FDA-approved pharmacotherapy for osteoporosis, or who are seen by or linked to a fracture liaison service prior to discharge from inpatient status. If DXA is not available and documented as such, then any other specified fracture risk assessment method may be ordered or performed.

**National Quality Strategy Domain:** Communication and Care Coordination

### NOF 3 - Discharge Instructions: Emergency Department (NQF 2418)

Proportion of patients age 50 or over with a fracture of the vertebra, pelvis, wrist, ankle, or humerus discharged from the Emergency Department to home, or their caregivers, who have received written discharge instructions regarding the need to follow up with a primary care physician, hospital outpatient department or specialist for possible osteoporosis to reduce the risk of future fracture, or who were contacted by a fracture liaison service.

**National Quality Strategy Domain:** Communication and Care Coordination

### NOF 4 - Osteoporosis Management in Women Who Had a Fracture (NQF 0053)

The percentage of women age 50-85 who suffered a fracture and who either had a bone mineral density test or received a prescription for a drug to treat osteoporosis.

**National Quality Strategy Domain:** Effective Clinical Care

### NOF 5 - Osteoporosis Testing in Older Women (NQF 0037)

The number of women 65-85 years of age who report ever having received a bone density test to check for osteoporosis.

**National Quality Strategy Domain:** Effective Clinical Care

### NOF 6 - Hip Fracture Mortality Rate (IQI 19) (NQF 0354)

In-hospital deaths per 1,000 hospital discharges with hip fracture as a principal diagnosis for patients ages 65 years and older. Excludes periprosthetic fracture discharges, obstetric discharges, and transfers to another hospital.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]

**National Quality Strategy Domain:** Effective Clinical Care

### NOF 7 - Osteoporosis: percentage of patients, any age, with a diagnosis of osteoporosis who are either receiving both calcium & vitamin D intake, & exercise at least once within 12 months

This measure is used to assess the percentage of patients regardless of age, with a diagnosis of osteoporosis who are either receiving both calcium and vitamin D or had documented counseling regarding both calcium and vitamin D intake, and exercise at least once within 12 months.

**National Quality Strategy Domain:** Effective Clinical Care

## CUSTOM SPECIALTY MEASURES

### **NOF 8 - Osteoporosis: percentage of patients aged 50 years and older with a diagnosis of osteoporosis who were prescribed pharmacologic therapy within 12 months (NQF 0049)**

This measure is used to assess the percentage of patients regardless of age, with a diagnosis of osteoporosis who are either receiving both calcium and vitamin D or had documented counseling regarding both calcium and vitamin D intake, and exercise at least once within 12 months.

**National Quality Strategy Domain:** Effective Clinical Care

### **NOF 9 - Communication with the physician or other clinician managing on-going care post fracture for men and women aged 50 years and older (NQF 0045)**

Percentage of adults 50 years and older treated for a fracture with documentation of communication, between the physician treating the fracture and the physician or other clinician managing the patient's on-going care, that a fracture occurred and that the patient was or should be considered for osteoporosis treatment or testing. This measure is reported by the physician who treats the fracture and who therefore is held accountable for the communication.

**National Quality Strategy Domain:** Effective Clinical Care

### **NOF 10 - Advance Care Plan (NQF 0326)**

Percentage of patients aged 65 years and older who have an advance care plan or surrogate decision maker documented in the medical record or documentation in the medical record that an advance care plan was discussed but the patient did not wish or was not able to name a surrogate decision maker or provide an advance care plan.

**National Quality Strategy Domain:** Person and Caregiver Centered Experience Outcomes

### **NOF 11 - Care for Older Adults (COA) - Medication Review (NQF 0553)**

Percentage of adults 66 years and older who had a medication review during the measurement year; a review of all a patient's medications, including prescription medications, over-the-counter (OTC) medications and herbal or supplemental therapies by a prescribing practitioner or clinical pharmacist.

**National Quality Strategy Domain:** Effective Clinical Care

### **NOF 12 - Median Time to Pain Management for Long Bone Fracture (NQF 0662)**

Median time from emergency department arrival to time of initial oral or parenteral pain medication administration for emergency department patients with a principal diagnosis of long bone fracture (LBF).

**National Quality Strategy Domain:** Effective Clinical Care

### **NOF 13 - Osteoporosis: Management Following Fracture of Hip, Spine or Distal Radius for Men and Women Aged 50 Years and Older (NQF 0048)**

Percentage of patients aged 50 years or older with fracture of the hip, spine or distal radius that had a central DXA measurement ordered or performed or pharmacologic therapy prescribed.

**National Quality Strategy Domain:** Effective Clinical Care

### **NOF 15 - Screening for Osteoporosis for Women 65-85 Years of Age (NQF 0046)**

Percentage of women 65-85 years of age who ever had a central dual-energy x-ray absorptiometry (DXA) test to check for osteoporosis.

**National Quality Strategy Domain:** Effective Clinical Care

## PQRS MEASURES

### **PQRS #21 - Perioperative Care: Discontinuation of Prophylactic Parenteral Antibiotics (Non-Cardiac Procedures)**

Percentage of surgical patients aged 18 years and older undergoing procedures with the indications for a first OR second generation cephalosporin prophylactic antibiotic who had an order for a first OR second generation cephalosporin for antimicrobial prophylaxis.

**National Quality Strategy Domain:** Patient Safety

**Type:** Process Measure

## PQRS MEASURES

### **PQRS #22 - Perioperative Care: Selection of Prophylactic Antibiotic - First OR Second Generation Cephalosporin (NQF 0268)**

Percentage of non-cardiac surgical patients aged 18 years and older undergoing procedures with the indications for prophylactic parenteral antibiotics AND who received a prophylactic parenteral antibiotic, who have an order for discontinuation of prophylactic parenteral antibiotics within 24 hours of surgical end time.

**National Quality Strategy Domain:** Patient Safety

**Type:** Process Measure

### **PQRS #23 - Perioperative Care: Venous Thromboembolism (VTE) Prophylaxis (When Indicated in ALL Patients) (NQF 0239)**

Percentage of surgical patients aged 18 years and older undergoing procedures for which venous thromboembolism (VTE) prophylaxis is indicated in all patients, who had an order for Low Molecular Weight Heparin (LMWH), Low-Dose Unfractionated Heparin (LDUH), adjusted-dose warfarin, fondaparinux or mechanical prophylaxis to be given within 24 hours prior to incision time or within 24 hours after surgery end time.

**National Quality Strategy Domain:** Patient Safety

**Type:** Process Measure

### **PQRS #24 - Communication with the Physician or Other Clinician Managing On-going Care Post-Fracture for Men and Women Aged 50 Years and Older (NQF 0045)**

Percentage of patients aged 50 years and older treated for a fracture with documentation of communication, between the physician treating the fracture and the physician or other clinician managing the patient's on-going care, that a fracture occurred and that the patient was or should be considered for osteoporosis treatment or testing. This measure is reported by the physician who treats the fracture and who therefore is held accountable for the communication.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

### **PQRS #39 - Screening for Osteoporosis for Women Aged 65-85 Years of Age (NQF 0046)**

Percentage of female patients aged 65-85 years of age who ever had a central dual-energy X-ray absorptiometry (DXA) to check for osteoporosis.

**National Quality Strategy Domain:** Effective Clinical Care

**Type:** Process Measure

### **PQRS #41 - Osteoporosis: Pharmacologic Therapy for Men and Women Aged 50 Years and Older**

Percentage of patients aged 50 years and older with a diagnosis of osteoporosis who were prescribed pharmacologic therapy within 12 months.

**National Quality Strategy Domain:** Effective Clinical Care

**Type:** Process Measure

### **PQRS #46 - Medication Reconciliation Post-Discharge(PQRS Measure #46) (NQF 0097)**

The percentage of discharges from any inpatient facility (e.g. hospital, skilled nursing facility, or rehabilitation facility) for patients 18 years and older of age seen within 30 days following discharge in the office by the physician, prescribing practitioner, registered nurse, or clinical pharmacist providing on-going care for whom the discharge medication list was reconciled with the current medication list in the outpatient medical record.

This measure is reported as three rates stratified by age group:

- Reporting Criteria 1: 18-64 years of age
- Reporting Criteria 2: 65 years and older
- Total Rate: All patients 18 years of age and older.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

### **PQRS #47 - Care Plan (NQF 0326)**

Percentage of patients aged 65 years and older who have an advance care plan or surrogate decision maker documented in the medical record or documentation in the medical record that an advance care plan was discussed but the patient did not wish or was not able to name a surrogate decision maker or provide an advance care plan.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

## PQRS MEASURES

### PQRS #109 - Osteoarthritis (OA): Function and Pain Assessment

Percentage of patient visits for patients aged 21 years and older with a diagnosis of osteoarthritis (OA) with assessment for function and pain.

**National Quality Strategy Domain:** Person and Caregiver-Centered Experience and Outcomes  
**Type:** Process Measure

### PQRS #110 - Preventive Care and Screening: Influenza Immunization (NQF 0041)

Percentage of patients aged 6 months and older seen for a visit between October 1 and March 31 who received an influenza immunization OR who reported previous receipt of an influenza immunization..

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### PQRS #111 - Pneumonia Vaccination Status for Older Adults (NQF 0043)

Percentage of patients 65 years of age and older who have ever received a pneumococcal vaccine.

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### PQRS #128 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up Plan (NQF 0421)

Percentage of patients aged 18 years and older with a BMI documented during the current encounter or during the previous six months AND with a BMI outside of normal parameters, a follow-up plan is documented during the encounter or during the previous six months of the current encounter. Normal Parameters: Age 65 years and older BMI  $\geq 23$  and  $< 30\text{kg/m}^2$  and age 18-64 years BMI  $\geq 18.5$  and  $< 25\text{kg/m}^2$ .

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### PQRS #130 - Documentation of Current Medications in the Medical Record (NQF 0419)

Percentage of visits for patients aged 18 years and older for which the eligible professional attests to documenting a list of current medications using all immediate resources available on the date of the encounter. This list must include ALL known prescriptions, over-the-counters, herbals, and vitamin/mineral/dietary (nutritional) supplements AND must contain the medications' name, dosage, frequency and route of administration.

**National Quality Strategy Domain:** Patient Safety  
**Type:** Process Measure

### PQRS #131 - Pain Assessment and Follow-Up (NQF 0420)

Percentage of visits for patients aged 18 years and older with documentation of a pain assessment using a standardized tool(s) on each visit AND documentation of a follow-up plan when pain is present.

**National Quality Strategy Domain:** Communication and Care Coordination  
**Type:** Process Measure

### PQRS #134 - Preventive Care and Screening: Screening for Clinical Depression and Follow-Up Plan (NQF 0418)

Percentage of patients aged 12 years and older screened for clinical depression on the date of the encounter using an age appropriate standardized depression screening tool AND if positive, a follow-up plan is documented on the date of the positive screen.

**National Quality Strategy Domain:** Communication and Care Coordination  
**Type:** Process Measure

### PQRS #154 - Falls: Risk Assessment (NQF 0101)

Percentage of patients aged 65 years and older with a history of falls that had a risk assessment for falls completed within 12 months.

**National Quality Strategy Domain:** Patient Safety  
**Type:** Process Measure

## PQRS MEASURES

### **PQRS #155 - Falls: Plan of Care (NQF 101)**

Percentage of patients aged 65 years and older with a history of falls that had a plan of care for falls documented within 12 months.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

### **PQRS #178 - Rheumatoid Arthritis (RA): Functional Status Assessment**

Percentage of patients aged 18 years and older with a diagnosis of rheumatoid arthritis (RA) for whom a functional status assessment was performed at least once within 12 months.

**National Quality Strategy Domain:** Effective Clinical Care

**Type:** Process Measure

### **PQRS #181 - Elder Maltreatment Screen and Follow-Up Plan**

Percentage of patients aged 65 years and older with a documented elder maltreatment screen using an Elder Maltreatment Screening tool on the date of encounter AND a documented follow-up plan on the date of the positive screen.

**National Quality Strategy Domain:** Patient Safety

**Type:** Process Measure

### **PQRS #182 - Functional Outcome Assessment (NQF 2624)**

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.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

### **PQRS #217 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Knee Impairments (NQF 0422)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the knee in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Process Measure

### **PQRS #218 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Hip Impairments (NQF 423)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the hip in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Outcome Measure

### **PQRS #219 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Lower Leg, Foot or Ankle Impairments (NQF 0424)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the lower leg, foot or ankle in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Outcome Measure

### **PQRS #220 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Lumbar Spine Impairments (NQF 0425)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the lumbar spine in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination

**Type:** Outcome Measure

## PQRS MEASURES

### **PQRS #221 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Shoulder Impairments (NQF 0426)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the shoulder in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination  
**Type:** Outcome Measure

### **PQRS #222 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Elbow, Wrist or Hand Impairments (NQF 0427)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the elbow, wrist or hand in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination  
**Type:** Outcome Measure

### **PQRS #223 - Functional Deficit: Change in Risk-Adjusted Functional Status for Patients with Neck, Cranium, Mandible, Thoracic Spine, Ribs, or Other General Orthopedic Impairments (NQF 0428)**

Percentage of patients aged 18 or older that receive treatment for a functional deficit secondary to a diagnosis that affects the neck, cranium, mandible, thoracic spine, ribs, or other general orthopedic impairment in which the change in their Risk-Adjusted Functional Status is measured.

**National Quality Strategy Domain:** Communication and Care Coordination  
**Type:** Outcome Measure

### **PQRS #238 - Use of High-Risk Medications in the Elderly (NQF 0022)**

Percentage of patients 66 years of age and older who were ordered high-risk medications. Two rates are reported.

- 1) Percentage of patients who were ordered at least one high-risk medication.
- 2) Percentage of patients who were ordered at least two different high-risk medications.

**National Quality Strategy Domain:** Patient Safety  
**Type:** Process Measure

### **PQRS #418 - Osteoporosis Management in Women Who Had a Fracture (NQF 0053)**

The percentage of women age 50-85 who suffered a fracture and who either had a bone mineral density test or received a prescription for a drug to treat osteoporosis.

**National Quality Strategy Domain:** Effective Clinical Care  
**Type:** Process Measure

## ECQM MEASURES

### **CMS2v5 - Preventive Care and Screening: Screening for Clinical Depression and Follow-Up Plan (NQF 0419) (PQRS #130)**

Percentage of patients aged 12 years and older screened for clinical depression on the date of the encounter using an age appropriate standardized depression screening tool AND if positive, a follow-up plan is documented on the date of the positive screen.

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### **CMS68v5 - Documentation of Current Medications in the Medical Record (NQF 0420) (PQRS #131)**

Percentage of visits for patients aged 18 years and older for which the eligible professional attests to documenting a list of current medications using all immediate resources available on the date of the encounter. This list must include ALL known prescriptions, over-the-counters, herbals, and vitamin/mineral/dietary (nutritional) supplements AND must contain the medications' name, dosage, frequency and route of administration.

**National Quality Strategy Domain:** Patient Safety  
**Type:** Process Measure

## ECQM MEASURES

### **CMS69v4 - Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up Plan (NQF 0422) (PQRS #217)**

Percentage of patients aged 18 years and older with a BMI documented during the current encounter or during the previous six months AND with a BMI outside of normal parameters, a follow-up plan is documented during the encounter or during the previous six months of the current encounter. Normal Parameters: Age 65 years and older BMI  $\geq 23$  and  $< 30\text{kg}/\text{m}^2$  and age 18-64 years BMI  $\geq 18.5$  and  $< 25\text{kg}/\text{m}^2$ .

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### **CMS127v4 - Pneumonia Vaccination Status for Older Adults (NQF 0043) (PQRS #111)**

Percentage of patients 65 years of age and older who have ever received a pneumococcal vaccine.

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### **CMS138v4 - Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention (NQF 0028) (PQRS #226)**

Percentage of patients aged 18 years and older who were screened for tobacco use one or more times within 24 months AND who received cessation counseling intervention if identified as a tobacco user.

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### **CMS147v5 - Preventive Care and Screening: Influenza Immunization (NQF 0041) (PQRS #110)**

Percentage of patients aged 6 months and older seen for a visit between October 1 and March 31 who received an influenza immunization OR who reported previous receipt of an influenza immunization.

**National Quality Strategy Domain:** Community/Population Health  
**Type:** Process Measure

### **CMS156v4 - Use of High-Risk Medications in the Elderly (NQF 0022) (PQRS #238)**

Percentage of patients 66 years of age and older who were ordered high-risk medications. Two rates are reported.

- 1) Percentage of patients who were ordered at least one high-risk medication.
- 2) Percentage of patients who were ordered at least two different high-risk medications.

**National Quality Strategy Domain:** Patient Safety  
**Type:** Process Measure

### **CMS165v4 - Controlling High Blood Pressure (NQF 0018) (PQRS #236)**

Percentage of patients 18-85 years of age who had a diagnosis of hypertension and whose blood pressure was adequately controlled ( $<140/90$  mmHg) during the measurement period.

**National Quality Strategy Domain:** Effective Clinical Care  
**Type:** Intermediate Outcome Measure