

## Quality ID #418 (CBE 0053): Osteoporosis Management in Women Who Had a Fracture

**2024 COLLECTION TYPE:**  
MEDICARE PART B CLAIMS

**MEASURE TYPE:**  
Process

**DESCRIPTION:**

The percentage of women 50–85 years of age who suffered a fracture and who had either a bone mineral density (BMD) test or prescription for a drug to treat osteoporosis in the six months after the fracture.

**INSTRUCTIONS:**

This measure is to be submitted after **each occurrence** of a fracture during the six months prior to the performance period through June 30 of the performance period. It is anticipated that Merit-based Incentive Payment System (MIPS) eligible clinicians who treat any fracture except fractures of the finger, toe, face or skull will submit this measure. Each occurrence of a fracture is identified by either an ICD-10-CM diagnosis code for fracture and a CPT service code OR an ICD-10-CM diagnosis code for a fracture and a CPT procedure code for surgical treatment of fractures.

**NOTE:** Patients with any fracture except fractures of the finger, toe, face or skull should have a bone mineral density (BMD) measurement performed or pharmacologic therapy prescribed. The management (BMD performed or pharmacologic therapy prescribed) should occur within six months of the fracture. If multiple fractures occurring on the same date of service are submitted on the same claim form, only one instance of submission will be counted. Claims data will be analyzed to determine unique occurrences. Patients already receiving pharmacologic therapy would automatically meet the intent of this measure.

**NOTE:** Patient encounters for this measure conducted via telehealth (including but not limited to encounters coded with GQ, GT, 95, POS 02, POS 10) are allowable.

**Measure Submission Type:**

Measure data may be submitted by individual MIPS eligible clinicians using Medicare Part B claims. The listed denominator criteria are 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 on the claim form(s). All measure-specific coding should be submitted on the claim(s) representing the denominator eligible encounter and selected numerator option.

The intent of the exclusion for individuals age 66 and older residing in long-term care facilities, including nursing homes, is to exclude individuals who may have limited life expectancy and increased frailty where the benefit of the process may not exceed the risks. This exclusion is not intended as a clinical recommendation regarding whether the measures process is inappropriate for specific populations, instead the exclusions allows clinicians to engage in shared decision making with patients about the benefits and risks of screening when an individual has limited life expectancy.

**DENOMINATOR:**

Women who experienced a fracture, except fractures of the finger, toe, face or skull, during the six months prior to the performance period through June 30 of the performance period

**DENOMINATOR NOTE:** \*Signifies that this CPT Category I code is a non-covered service under the Medicare Part B Physician Fee Schedule (PFS). These non-covered services will not be counted in the denominator population for Medicare Part B claims measures.

**Option 1 - Denominator Criteria (Eligible Cases):**

Patients aged 50-85 years on date of encounter

**AND**

**Diagnosis for any fracture except fractures of the finger, toe, face or skull (ICD-10-CM):** M48.40XA, M48.41XA, M48.42XA, M48.43XA, M48.44XA, M48.45XA, M48.46XA, M48.47XA, M48.48XA, M80.00XA, M80.011A, M80.012A, M80.019A, M80.021A, M80.022A, M80.029A, M80.031A, M80.032A, M80.039A, M80.041A, M80.042A, M80.049A, M80.051A, M80.052A, M80.059A, M80.061A, M80.062A, M80.069A, M80.071A, M80.072A, M80.079A, M80.08XA, M80.80XA, M80.811A, M80.812A, M80.819A, M80.821A, M80.822A, M80.829A, M80.831A, M80.832A, M80.839A, M80.841A, M80.842A, M80.849A, M80.851A, M80.852A, M80.859A, M80.861A, M80.862A, M80.869A, M80.871A, M80.872A, M80.879A, M80.88XA, M80.0AXA, M80.0B1A, M80.0B1D, M80.0B1G, M80.0B1K, M80.0B1P, M80.0B1S, M80.0B2A, M80.0B2D, M80.0B2G, M80.0B2K, M80.0B2P, M80.0B2S, M80.0B9A, M80.0B9D, M80.0B9G, M80.0B9K, M80.0B9P, M80.0B9S, M80.8AXA, M80.8B1A, M80.8B1D, M80.8B1G, M80.8B1K, M80.8B1P, M80.8B1S, M80.8B2A, M80.8B2D, M80.8B2G, M80.8B2K, M80.8B2P, M80.8B2S, M80.8B9A, M80.8B9D, M80.8B9G, M80.8B9K, M80.8B9P, M80.8B9S, M84.311A, M84.312A, M84.319A, M84.321A, M84.322A, M84.329A, M84.331A, M84.332A, M84.333A, M84.334A, M84.339A, M84.341A, M84.342A, M84.343A, M84.350A, M84.351A, M84.352A, M84.353A, M84.359A, M84.361A, M84.362A, M84.363A, M84.364A, M84.369A, M84.371A, M84.372A, M84.373A, M84.374A, M84.375A, M84.376A, M84.38XA, M84.750A, M84.751A, M84.752A, M84.753A, M84.754A, M84.755A, M84.756A, M84.757A, M84.759A, M97.01XA, M97.02XA, M97.11XA, M97.12XA, M97.21XA, M97.22XA, M97.31XA, M97.32XA, M97.41XA, M97.42XA, S12.000A, S12.000B, S12.001A, S12.001B, S12.01XA, S12.01XB, S12.02XA, S12.02XB, S12.030A, S12.030B, S12.031A, S12.031B, S12.040A, S12.040B, S12.041A, S12.041B, S12.090A, S12.090B, S12.091A, S12.091B, S12.100A, S12.100B, S12.101A, S12.101B, S12.110A, S12.110B, S12.111A, S12.111B, S12.112A, S12.112B, S12.120A, S12.120B, S12.121A, S12.121B, S12.130A, S12.130B, S12.131A, S12.131B, S12.14XA, S12.14XB, S12.150A, S12.150B, S12.151A, S12.151B, S12.190A, S12.190B, S12.191A, S12.191B, S12.200A, S12.200B, S12.201A, S12.201B, S12.230A, S12.230B, S12.231A, S12.231B, S12.24XA, S12.24XB, S12.250A, S12.250B, S12.251A, S12.251B, S12.290A, S12.290B, S12.291A, S12.291B, S12.300A, S12.300B, S12.301A, S12.301B, S12.330A, S12.330B, S12.331A, S12.331B, S12.34XA, S12.34XB, S12.350A, S12.350B, S12.351A, S12.351B, S12.390A, S12.390B, S12.391A, S12.391B, S12.400A, S12.400B, S12.401A, S12.401B, S12.430A, S12.430B, S12.431A, S12.431B, S12.44XA, S12.44XB, S12.450A, S12.450B, S12.451A, S12.451B, S12.490A, S12.490B, S12.491A, S12.491B, S12.500A, S12.500B, S12.501A, S12.501B, S12.530A, S12.530B, S12.531A, S12.531B, S12.54XA, S12.54XB, S12.550A, S12.550B, S12.551A, S12.551B, S12.590A, S12.590B, S12.591A, S12.591B, S12.600A, S12.600B, S12.601A, S12.601B, S12.630A, S12.630B, S12.631A, S12.631B, S12.64XA, S12.64XB, S12.650A, S12.650B, S12.651A, S12.651B, S12.690A, S12.690B, S12.691A, S12.691B, S12.8XXA, S12.9XXA, S22.000A, S22.000B, S22.001A, S22.001B, S22.002A, S22.002B, S22.008A, S22.008B, S22.009A, S22.009B, S22.010A, S22.010B, S22.011A, S22.011B, S22.012A, S22.012B, S22.018A, S22.018B, S22.019A, S22.019B, S22.020A, S22.020B, S22.021A, S22.021B, S22.022A, S22.022B, S22.028A, S22.028B, S22.029A, S22.029B, S22.030A, S22.030B, S22.031A, S22.031B, S22.032A, S22.032B, S22.038A, S22.038B, S22.039A, S22.039B, S22.040A, S22.040B, S22.041A, S22.041B, S22.042A, S22.042B, S22.048A, S22.048B, S22.049A, S22.049B, S22.050A, S22.050B, S22.051A, S22.051B, S22.052A, S22.052B, S22.058A, S22.058B, S22.059A, S22.059B, 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, S22.20XA, S22.20XB, S22.21XA, S22.21XB, S22.22XA, S22.22XB, S22.23XA, S22.23XB, S22.24XA, S22.24XB, S22.31XA, S22.31XB, S22.32XA, S22.32XB, S22.39XA, S22.39XB, S22.41XA, S22.41XB, S22.42XA, S22.42XB, S22.43XA, S22.43XB, S22.49XA, S22.49XB, S22.5XXA, S22.5XXB, S22.9XXA, S22.9XXB, 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,

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S92.901B, S92.902A, S92.902B, S92.909A, S92.909B



**AND**

**Patient encounter during the performance period (CPT or HCPCS):** 98966, 98967, 98968, 98970, 98971, 98972, 98980, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99221, 99222, 99223, 99238, 99239, 99242\*, 99243\*, 99244\*, 99245\*, 99281, 99282, 99283, 99284, 99285, 99341, 99342, 99344, 99345, 99347, 99348, 99349, 99350, 99386\*, 99387\*, 99396\*, 99397\*, 99401\*, 99402\*, 99403\*, 99404\*, 99411\*, 99412\*, 99421, 99422, 99423, 99429\*, 99441, 99442, 99443, 99455, 99456, 99457, 99483, G0071, G0402, G0438, G0439, G0463\*, G2010, G2012, T1015

**WITHOUT**

**Place of Service (POS):** 21

**OR**

**Option 2 - Denominator Criteria (Eligible Cases):**

Patients aged 50-85 years on date of encounter

**AND**

**Diagnosis for any fracture except fractures of the finger, toe, face or skull (ICD-10-CM):** M48.40XA, M48.41XA, M48.42XA, M48.43XA, M48.44XA, M48.45XA, M48.46XA, M48.47XA, M48.48XA, M80.00XA, M80.011A, M80.012A, M80.019A, M80.021A, M80.022A, M80.029A, M80.031A, M80.032A, M80.039A, M80.041A, M80.042A, M80.049A, M80.051A, M80.052A, M80.059A, M80.061A, M80.062A, M80.069A, M80.071A, M80.072A, M80.079A, M80.08XA, M80.80XA, M80.811A, M80.812A, M80.819A, M80.821A, M80.822A, M80.829A, M80.831A, M80.832A, M80.839A, M80.841A, M80.842A, M80.849A, M80.851A, M80.852A, M80.859A, M80.861A, M80.862A, M80.869A, M80.871A, M80.872A, M80.879A, M80.88XA, M80.0AXA, M80.0B1A, M80.0B1D, M80.0B1G, M80.0B1K, M80.0B1P, M80.0B1S, M80.0B2A, M80.0B2D, M80.0B2G, M80.0B2K, M80.0B2P, M80.0B2S, M80.0B9A, M80.0B9D, M80.0B9G, M80.0B9K, M80.0B9P, M80.0B9S, M80.8AXA, M80.8B1A, M80.8B1D, M80.8B1G, M80.8B1K, M80.8B1P, M80.8B1S, M80.8B2A, M80.8B2D, M80.8B2G, M80.8B2K, M80.8B2P, M80.8B2S, M80.8B9A, M80.8B9D, M80.8B9G, M80.8B9K, M80.8B9P, M80.8B9S, M84.311A, M84.312A, M84.319A, M84.321A, M84.322A, M84.329A, M84.331A, M84.332A, M84.333A, M84.334A, M84.339A, M84.341A, M84.342A, M84.343A, M84.350A, M84.351A, M84.352A, M84.353A, M84.359A, M84.361A, M84.362A, M84.363A, M84.364A, M84.369A, M84.371A, M84.372A, M84.373A, M84.374A, M84.375A, M84.376A, M84.38XA, M84.750A, M84.751A, M84.752A, M84.753A, M84.754A, M84.755A, M84.756A, M84.757A, M84.759A, M97.01XA, M97.02XA, M97.11XA, M97.12XA, M97.21XA, M97.22XA, M97.31XA, M97.32XA, M97.41XA, M97.42XA, S12.000A, S12.000B, S12.001A, S12.001B, S12.01XA, S12.01XB, S12.02XA, S12.02XB, S12.030A, S12.030B, S12.031A, S12.031B, S12.040A, S12.040B, S12.041A, S12.041B, S12.090A, S12.090B, S12.091A, S12.091B, S12.100A, S12.100B, S12.101A, S12.101B, S12.110A, S12.110B, S12.111A, S12.111B, S12.112A, S12.112B, S12.120A, S12.120B, S12.121A, S12.121B, S12.130A, S12.130B, S12.131A, S12.131B, S12.14XA, S12.14XB, S12.150A, S12.150B, S12.151A, S12.151B, S12.190A, S12.190B, S12.191A, S12.191B, S12.200A, S12.200B, S12.201A, S12.201B, S12.230A, S12.230B, S12.231A, S12.231B, S12.24XA, S12.24XB, S12.250A, S12.250B, S12.251A, S12.251B, S12.290A, S12.290B, S12.291A, S12.291B, S12.300A, S12.300B, S12.301A, S12.301B, S12.330A, S12.330B, S12.331A, S12.331B, S12.34XA, S12.34XB, S12.350A, S12.350B, S12.351A, S12.351B, S12.390A, S12.390B, S12.391A, S12.391B, S12.400A, S12.400B, S12.401A, S12.401B, S12.430A, S12.430B, S12.431A, S12.431B, S12.44XA, S12.44XB, S12.450A, S12.450B, S12.451A, S12.451B, S12.490A, S12.490B, S12.491A, S12.491B, S12.500A, S12.500B, S12.501A, S12.501B, S12.530A, S12.530B, S12.531A, S12.531B, S12.54XA, S12.54XB, S12.550A, S12.550B, S12.551A, S12.551B, S12.590A, S12.590B, S12.591A, S12.591B, S12.600A, S12.600B, S12.601A, S12.601B, S12.630A, S12.630B, S12.631A, S12.631B, S12.64XA, S12.64XB, S12.650A, S12.650B, S12.651A, S12.651B, S12.690A, S12.690B, S12.691A, S12.691B, S12.8XXA, S12.9XXA, S22.000A, S22.000B, S22.001A, S22.001B, S22.002A, S22.002B, S22.008A, S22.008B, S22.009A, S22.009B, S22.010A, S22.010B, S22.011A, S22.011B, S22.012A, S22.012B, S22.018A, S22.018B, S22.019A, S22.019B, S22.020A, S22.020B, S22.021A, S22.021B, S22.022A, S22.022B, S22.028A, S22.028B, S22.029A, S22.029B, S22.030A, S22.030B, S22.031A, S22.031B, S22.032A, S22.032B, S22.038A, S22.038B, S22.039A, S22.039B, S22.040A, S22.040B, S22.041A, S22.041B, S22.042A, S22.042B, S22.048A, S22.048B, S22.049A, S22.049B, S22.050A, S22.050B, S22.051A, S22.051B, S22.052A, S22.052B, S22.058A, S22.058B, S22.059A, S22.059B,

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**AND**

**Patient procedure during the performance period (CPT):** 22310, 22315, 22318, 22319, 22325, 22326, 22327, 22510, 22511, 22513, 22514, 25600, 25605, 25606, 25607, 25608, 25609, 27230, 27232, 27235, 27236, 27238, 27240, 27244, 27245, 27246, 27248

**NUMERATOR:**

Patients who received either a bone mineral density test or a prescription for a drug to treat osteoporosis in the six months after the fracture

**Definitions:**

**Pharmacologic Therapy** – U.S. Food and Drug Administration approved pharmacologic options for osteoporosis prevention and/or treatment of postmenopausal osteoporosis include: bisphosphonates, alendronate, alendronate-cholecalciferol, ibandronate, risedronate, zoledronic acid, teriparatide, denosumab, abaloparatide, romosozumab and raloxifene.

**Prescribed** – May include prescription given to the patient for treatment of osteoporosis (as listed above) at one or more encounters during the performance period, or documentation that patient is already taking pharmacologic therapy for osteoporosis, as documented in the current medical list.

**Bone Mineral Density (BMD)** – A bone density test is an examination by either special x-rays or ultrasound to determine how much bone mineral content (calcium and other minerals) is present in any section of bone.

**NUMERATOR NOTE:** While the Central Dual Energy X-Ray Absorptiometry (DXA) is the most common measurement for measuring bone mineral density (BMD), for the purposes of submitting this measure, spinal densitometry X-ray, ultrasonography for densitometry, CT bone density axial and Peripheral Dual-energy X-Ray Absorptiometry (DXA) would meet performance and the intent of the measure and **3095F** would be submitted.

To assess the age for exclusions, the patient's age on the date of the encounter should be used.

**Numerator Quality Data Coding Options:**

**Patient receiving Hospice Services, Patient Not Eligible**

**Denominator Exclusion: G9768:** Patients who utilize hospice services any time during the measurement period

**OR**

**Patient receiving Palliative Care Services, Patient Not Eligible**

**Denominator Exclusion: G0048:** Patients who receive palliative care services any time during the intake period through the end of the measurement year

**OR**

**Bone Mineral Density Measurement Results not Documented for Medical Reasons**

**Denominator Exclusion: G9769:** Patient had a bone mineral density test in the past two years OR received osteoporosis medication or therapy in the past 12 months



**OR**

**Patient age 66 or older in Institutional SNP or residing in long-term care facility, Patient Not Eligible**

**Denominator Exclusion: G9938:**

Patients age 66 or older in Institutional Special Needs Plans (SNP) or residing in long term care with POS code 32, 33, 34, 54 or 56 for more than 90 consecutive days during the six months prior to the measurement period through December 31 of the measurement period

**OR**

**Patient with Frailty AND Advanced Illness, Patient Not Eligible**

**Denominator Exclusion: G2126:**

Patients 66 - 80 years of age with at least one claim/encounter for frailty during the measurement period AND either one acute inpatient encounter with a diagnosis of advanced illness or two outpatient, observation, ED or nonacute inpatient encounters on different dates of service with an advanced illness diagnosis during the measurement period or the year prior to the measurement period

**OR**

**Patient with Frailty AND Medication for Dementia, Patient Not Eligible**

**Denominator Exclusion: G2127:**

Patients 66 - 80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period

**OR**

**Patient 81 Years of Age or Older with Frailty, Patient not Eligible**

**Denominator Exclusion: G2125:**

Patients 81 years of age and older with at least one claim/encounter for frailty during the six months prior to the measurement period through December 31 of the measurement period

**Table: Dementia Exclusion Medications**

Description	Prescription
Cholinesterase inhibitors	Donepezil Galantamine Rivastigimine
Miscellaneous central nervous system agents	Memantine
Dementia combinations	Donepezil-memantine

- **Codes to identify Frailty:** 99504, 99509, E0100, E0105, E0130, E0135, E0140, E0141, E0143, E0144, E0147, E0148, E0149, E0163, E0165, E0167, E0168, E0170, E0171, E0250, E0251, E0255, E0256, E0260, E0261, E0265, E0266, E0270, E0290, E0291, E0292, E0293, E0294, E0295, E0296, E0297, E0301, E0302, E0303, E0304, E0424, E0425, E0430, E0431, E0433, E0434, E0435, E0439, E0440, E0441, E0442, E0443, E0444, E0462, E0465, E0466, E0470, E0471, E0472, E0561, E0562, E1130, E1140, E1150, E1160, E1161, E1240, E1250, E1260, E1270, E1280, E1285, E1290, E1295, E1296, E1297, E1298, G0162, G0299, G0300, G0493, G0494, S0271, S0311, S9123, S9124, T1000, T1001, T1002, T1003, T1004, T1005, T1019, T1020, T1021, T1022, T1030, T1031, L89.000, L89.001, L89.002, L89.003, L89.004, L89.006, L89.009, L89.010, L89.011, L89.012, L89.013, L89.014, L89.016,

L89.019, L89.020, L89.021, L89.022, L89.023, L89.024, L89.026, L89.029, L89.100, L89.101, L89.102, L89.103, L89.104, L89.106, L89.109, L89.110, L89.111, L89.112, L89.113, L89.114, L89.116, L89.119, L89.120, L89.121, L89.122, L89.123, L89.124, L89.126, L89.129, L89.130, L89.131, L89.132, L89.133, L89.134, L89.136, L89.139, L89.140, L89.141, L89.142, L89.143, L89.144, L89.146, L89.149, L89.150, L89.151, L89.152, L89.153, L89.154, L89.156, L89.159, L89.200, L89.201, L89.202, L89.203, L89.204, L89.206, L89.209, L89.210, L89.211, L89.212, L89.213, L89.214, L89.216, L89.219, L89.220, L89.221, L89.222, L89.223, L89.224, L89.226, L89.229, L89.300, L89.301, L89.302, L89.303, L89.304, L89.306, L89.309, L89.310, L89.311, L89.312, L89.313, L89.314, L89.316, L89.319, L89.320, L89.321, L89.322, L89.323, L89.324, L89.326, L89.329, L89.40, L89.41, L89.42, L89.43, L89.44, L89.45, L89.46, L89.500, L89.501, L89.502, L89.503, L89.504, L89.506, L89.509, L89.510, L89.511, L89.512, L89.513, L89.514, L89.516, L89.519, L89.520, L89.521, L89.522, L89.523, L89.524, L89.526, L89.529, L89.600, L89.601, L89.602, L89.603, L89.604, L89.606, L89.609, L89.610, L89.611, L89.612, L89.613, L89.614, L89.616, L89.619, L89.620, L89.621, L89.622, L89.623, L89.624, L89.626, L89.629, L89.810, L89.811, L89.812, L89.813, L89.814, L89.816, L89.819, L89.890, L89.891, L89.892, L89.893, L89.894, L89.896, L89.899, L89.90, L89.91, L89.92, L89.93, L89.94, L89.95, L89.96, M62.50, M62.81, M62.84, R26.2, R26.89, R26.9, R53.1, R53.81, R54, R62.7, R63.4, R63.6, R64, W01.0XXA, W01.0XXD, W01.0XXS, W01.10XA, W01.10XD, W01.10XS, W01.110A, W01.110D, W01.110S, W01.111A, W01.111D, W01.111S, W01.118A, W01.118D, W01.118S, W01.119A, W01.119D, W01.119S, W01.190A, W01.190D, W01.190S, W01.198A, W01.198D, W01.198S, W06.XXXA, W06.XXXD, W06.XXXS, W07.XXXA, W07.XXXD, W07.XXXS, W08.XXXA, W08.XXXD, W08.XXXS, W10.0XXA, W10.0XXD, W10.0XXS, W10.1XXA, W10.1XXD, W10.1XXS, W10.2XXA, W10.2XXD, W10.2XXS, W10.8XXA, W10.8XXD, W10.8XXS, W10.9XXA, W10.9XXD, W10.9XXS, W18.00XA, W18.00XD, W18.00XS, W18.02XA, W18.02XD, W18.02XS, W18.09XA, W18.09XD, W18.09XS, W18.11XA, W18.11XD, W18.11XS, W18.12XA, W18.12XD, W18.12XS, W18.2XXA, W18.2XXD, W18.2XXS, W18.30XA, W18.30XD, W18.30XS, W18.31XA, W18.31XD, W18.31XS, W18.39XA, W18.39XD, W18.39XS, W19.XXXA, W19.XXXD, W19.XXXS, Y92.199, Z59.3, Z73.6, Z74.01, Z74.09, Z74.1, Z74.2, Z74.3, Z74.8, Z74.9, Z91.81, Z99.11, Z99.3, Z99.81, Z99.89

- **Codes to identify Advanced Illness:** A81.00, A81.01, A81.09, C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.8, C25.9, C71.0, C71.1, C71.2, C71.3, C71.4, C71.5, C71.6, C71.7, C71.8, C71.9, C77.0, C77.1, C77.2, C77.3, C77.4, C77.5, C77.8, C77.9, C78.00, C78.01, C78.02, C78.1, C78.2, C78.30, C78.39, C78.4, C78.5, C78.6, C78.7, C78.80, C78.89, C79.00, C79.01, C79.02, C79.10, C79.11, C79.19, C79.2, C79.31, C79.32, C79.40, C79.49, C79.51, C79.52, C79.60, C79.61, C79.62, C79.70, C79.71, C79.72, C79.81, C79.82, C79.89, C79.9, C91.00, C91.02, C92.00, C92.02, C93.00, C93.02, C93.90, C93.92, C93.Z0, C93.Z2, C94.30, C94.32, F01.50, F01.511, F01.518, F01.52, F01.53, F01.54, F01.A0, F01.A11, F01.A18, F01.A2, F01.A3, F01.A4, F01.B0, F01.B11, F01.B18, F01.B2, F01.B3, F01.B4, F01.C0, F01.C11, F01.C18, F01.C2, F01.C3, F01.C4, F02.80, F02.811, F02.818, F02.82, F02.83, F02.84, F02.A0, F02.A11, F02.A18, F02.A2, F02.A3, F02.A4, F02.B0, F02.B11, F02.B18, F02.B2, F02.B3, F02.B4, F02.C0, F02.C11, F02.C18, F02.C2, F02.C3, F02.C4, F03.90, F03.911, F03.918, F03.92, F03.93, F03.94, F03.A0, F03.A11, F03.A18, F03.A2, F03.A3, F03.A4, F03.B0, F03.B11, F03.B18, F03.B2, F03.B3, F03.B4, F03.C0, F03.C11, F03.C18, F03.C2, F03.C3, F03.C4, F04, F10.27, F10.96, F10.97, G10, G12.21, G20, G20.A1, G20.A2, G20.B1, G20.B2, G20.C, G30.0, G30.1, G30.8, G30.9, G31.01, G31.09, G31.83, I09.81, I11.0, I12.0, I13.0, I13.11, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9, J43.0, J43.1, J43.2, J43.8, J43.9, J68.4, J84.10, J84.112, J84.170, J84.178, J96.10, J96.11, J96.12, J96.20, J96.21, J96.22, J96.90, J96.91, J96.92, J98.2, J98.3, K70.10, K70.11, K70.2, K70.30, K70.31, K70.40, K70.41, K70.9, K74.00, K74.01, K74.02, K74.1, K74.2, K74.4, K74.5, K74.60, K74.69, N18.5, N18.6

**OR**

**Bone Mineral Density Measurement Ordered or Results Documented or Pharmacologic Therapy Prescribed**

**Performance Met: 3095F:**

Central Dual-energy X-Ray Absorptiometry (DXA) results documented

**OR**

**Performance Met: G8633:**

Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed

**OR**

**Bone Mineral Density Measurement Results not Documented, Reason not Otherwise Specified**

Append a submission modifier (8P) to CPT Category II code 3095F to submit circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.

**Performance Not Met: 3095F with 8P:**

Central Dual-energy X-Ray Absorptiometry (DXA) measurement was not performed, reason not otherwise specified

**OR**

**Pharmacologic Therapy not Prescribed, Reason not Given**

**Performance Not Met: G8635:**

Pharmacologic therapy for osteoporosis was not prescribed, reason not given

**RATIONALE:**

The intent of this measure is secondary prevention of fractures through the appropriate diagnosis and treatment of osteoporosis. Detecting osteoporosis and initiating treatment will help to prevent future fractures from occurring.

Future fractures, especially in the older population, can cause significant health issues, decline in function, and, in some cases lead to mortality.

**CLINICAL RECOMMENDATION STATEMENTS:**

The U.S. Preventive Services Task Force (USPSTF) recommends screening for osteoporosis with bone measurement testing to prevent osteoporotic fractures in women 65 years and older (Grade B) (USPSTF 2018).

This recommendation applies to older adults without a history of low-trauma fractures and without conditions that may cause secondary osteoporosis (such as metabolic bone disease or untreated hyperthyroidism) and patients without conditions that may increase their risk of falls. This recommendation does not apply to persons who take long-term medications that may cause secondary osteoporosis (e.g., glucocorticoids, aromatase inhibitors, or gonadotropin-releasing hormone agonists). The USPSTF recommends screening for osteoporosis with bone measurement testing to prevent osteoporotic fractures in postmenopausal women younger than 65 years who are at increased risk of osteoporosis, as determined by a formal clinical risk assessment tool (Grade B) (USPSTF 2018).

U.S. Preventive Services Task Force (USPSTF). Final Recommendation Statement - Osteoporosis to Prevent Fractures: Screening. June 2018. Accessed at: <https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/osteoporosis-screening>.

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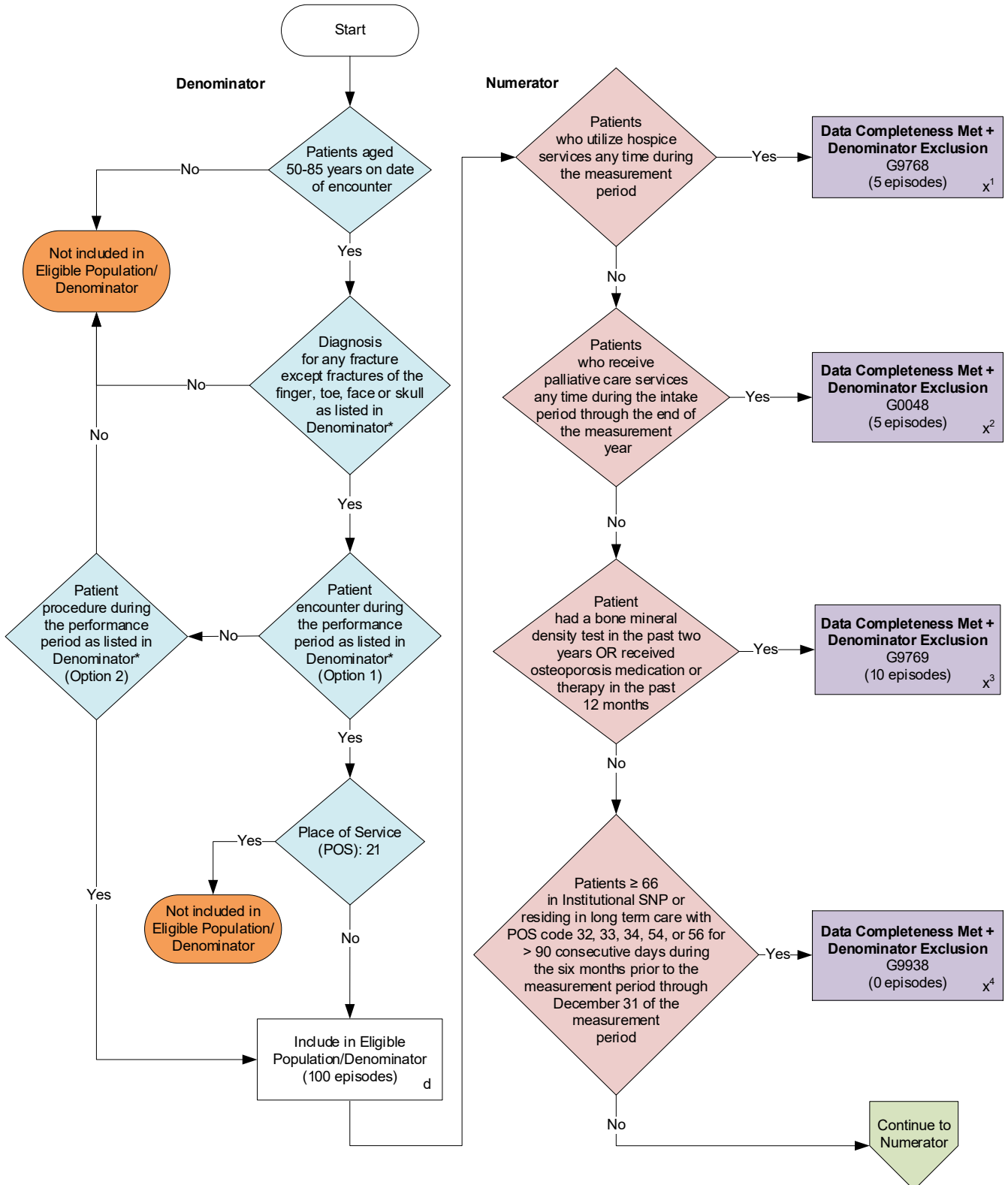
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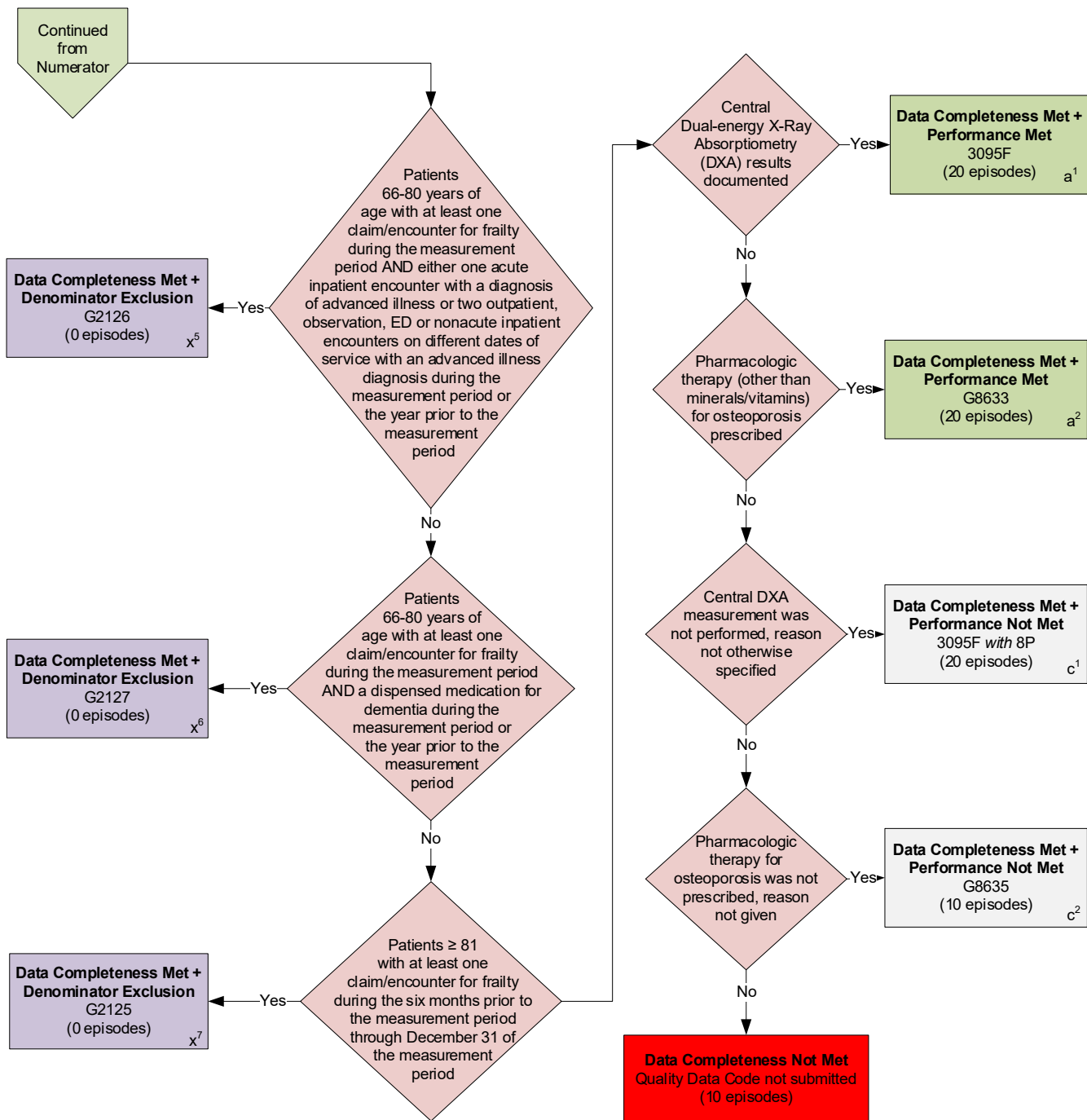
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## 2024 Medicare Part B Claims Flow for Quality ID #418 (CBE 0053): Osteoporosis Management in Women Who Had a Fracture

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





**SAMPLE CALCULATIONS**

**Data Completeness=**  

$$\frac{\text{Denominator Exclusions (x}^1 \text{ thru x}^7 \text{=20 episodes)} + \text{Performance Met (a}^1 \text{+a}^2 \text{=40 episodes)} + \text{Performance Not Met (c}^1 \text{+c}^2 \text{=30 episodes)}}{\text{Eligible Population / Denominator (d =100 episodes)}} = \frac{90 \text{ episodes}}{100 \text{ episodes}} = 90.00\%$$

**Performance Rate=**  

$$\frac{\text{Performance Met (a}^1 \text{+a}^2 \text{=40 episodes)}}{\text{Data Completeness Numerator (90 episodes) – Denominator Exclusion (x}^1 \text{ thru x}^7 \text{=20 episodes)}} = \frac{40 \text{ episodes}}{70 \text{ episodes}} = 57.14\%$$

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

NOTE: Submission Frequency: Episode

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**2024 Medicare Part B Claims Flow Narrative for Quality ID #418 (CBE 0053):  
Osteoporosis Management in Women Who Had a Fracture**

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

1. Start with Denominator
2. Check *Patient aged 50-85 years on date of encounter*:
  - a. If *Patient aged 50-85 years on date of encounter* equals No, do not include in *Eligible Population/Denominator*. Stop processing.
  - b. If *Patient aged 50-85 years on date of encounter* equals Yes, proceed to check *Diagnosis for any fracture except fractures of the finger, toe, face or skull as listed in Denominator\**.
3. Check *Diagnosis for any fracture except fractures of the finger, toe, face or skull as listed in Denominator\**:
  - a. If *Diagnosis for any fracture except fractures of the finger, toe, face or skull as listed in Denominator\** equals No, do not include in *Eligible Population/Denominator*. Stop processing.
  - b. If *Diagnosis for any fracture except fractures of the finger, toe, face or skull as listed in Denominator\** equals Yes, proceed to check *Patient encounter during the performance period as listed in Denominator\* (Option 1)*.
4. Check *Patient encounter during the performance period as listed in Denominator\* (Option 1)*:
  - a. If *Patient encounter during the performance period as listed in Denominator\* (Option 1)* equals No, proceed to check *Patient procedure during the performance period as listed in Denominator\* (Option 2)*.
  - b. If *Patient encounter during the performance period as listed in Denominator\* (Option 1)* equals Yes, proceed to check *Place of Service (POS)*.
5. Check *Place of Service (POS)*:
  - a. If *Place of Service (POS)* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
  - b. If *Place of Service (POS)* equals No, include in *Eligible Population/Denominator*.
6. Check *Patient procedure during the performance period as listed in Denominator\* (Option 2)*:
  - a. If *Patient procedure during the performance period as listed in Denominator\* (Option 2)* equals No, do not include in *Eligible Population/Denominator*. Stop processing.
  - b. If *Patient encounter during the performance period as listed in Denominator\* (Option 2)* equals Yes, include in *Eligible Population/Denominator*. Stop processing.
7. Denominator Population:
  - Denominator Population is all Eligible Episodes in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 100 episodes in the Sample Calculation.
8. Start Numerator
9. Check *Patients who utilize hospice services any time during the measurement period*:

- a. If *Patients who utilize hospice services any time during the measurement period* equals Yes, include in *Data Completeness Met and Denominator Exclusion*.
    - *Data Completeness Met and Denominator Exclusion* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>1</sup> equals 5 episodes in the Sample Calculation.
  - b. If *Patients who utilize hospice services any time during the measurement period* equals No, proceed to check *Patients who receive palliative care services during the intake period through the end of the measurement year*.
10. Check *Patients who receive palliative care services during the intake period through the end of the measurement year*:
    - a. If *Patients who receive palliative care services during the intake period through the end of the measurement year* equals Yes, include in *Data Completeness Met and Denominator Exclusion*.
      - *Data Completeness Met and Denominator Exclusion* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>2</sup> equals 5 episodes in the Sample Calculation.
    - b. If *Patients who receive palliative care services during the intake period through the end of the measurement year* equals No, proceed to check *Patient had a bone mineral density test in the past two years OR received osteoporosis medication or therapy in the past 12 months*.
  11. Check *Patient had a bone mineral density test in the past two years OR received osteoporosis medication or therapy in the past 12 months*:
    - a. If *Patient had a bone mineral density test in the past two years OR received osteoporosis medication or therapy in the past 12 months* equals Yes, include in *Data Completeness Met and Denominator Exclusion*.
      - *Data Completeness Met and Denominator Exclusion* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>3</sup> equals 10 episodes in the Sample Calculation.
    - b. If *Patient had a bone mineral density test in the past two years OR received osteoporosis medication or therapy in the past 12 months* equals No, proceed to check *Patients age 66 or older in Institutional SNP or residing in long term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the six months prior to the measurement period through December 31 of the measurement period*.
  12. Check *Patients age 66 or older in Institutional SNP or residing in long term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the six months prior to the measurement period through December 31 of the measurement period*.
    - a. If *Patients age 66 or older in Institutional SNP or residing in long term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the six months prior to the measurement period through December 31 of the measurement period* equals Yes, include in *Data Completeness Met and Denominator Exclusion*.
      - *Data Completeness Met and Denominator Exclusion* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>4</sup> equals 0 episodes in the Sample Calculation.



- b. If Patients age 66 or older in Institutional SNP or residing in long term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the six months prior to the measurement period through December 31 of the measurement period equals No, proceed to check Patient 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND either one acute inpatient encounter with a diagnosis of advanced illness or two outpatient, observation, ED or nonacute inpatient encounters on different dates of service with an advanced illness diagnosis during the measurement period or the year prior to the measurement period.
13. Check Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND either one acute inpatient encounter with a diagnosis of advanced illness or two outpatient, observation, ED or nonacute inpatient encounters on different dates of service with an advanced illness diagnosis during the measurement period or the year prior to the measurement period:
- a. If Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND either one acute inpatient encounter with a diagnosis of advanced illness or two outpatient, observation, ED or nonacute inpatient encounters on different dates of service with an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals Yes, include in Data Completeness Met and Denominator Exclusion.
- Data Completeness Met and Denominator Exclusion letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>5</sup> equals 0 episodes in the Sample Calculation.
- b. If Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND either one acute inpatient encounter with a diagnosis of advanced illness or two outpatient, observation, ED or nonacute inpatient encounters on different dates of service with an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals No, proceed to check Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period.
14. Check Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period:
- a. If Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period equals Yes, include in Data Completeness Met and Denominator Exclusion.
- Data Completeness Met and Denominator Exclusion letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>6</sup> equals 0 episodes in the Sample Calculation.
- b. If Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period No, proceed to check Patients 81 years of age or older with at least one claim/encounter for frailty during the six months prior to the measurement period through December 31 of the measurement period.
15. Check Patients 81 years of age or older with at least one claim/encounter for frailty during the six months prior to the measurement period through December 31 of the measurement period.

- a. If *Patients 81 years of age or older with at least one claim/encounter for frailty during the six months prior to the measurement period through December 31 of the measurement period* equals Yes, include in *Data Completeness Met and Denominator Exclusion*.
    - *Data Completeness Met and Denominator Exclusion* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter x<sup>7</sup> equals 0 episodes in the Sample Calculation.
  - b. If *Patients 81 years of age or older with at least one claim/encounter for frailty during the six months prior to the measurement period through December 31 of the measurement period* equals No, proceed to check *Central Dual-energy X-Ray Absorptiometry (DXA) results documented*.
16. Check *Central Dual-energy X-Ray Absorptiometry (DXA) results documented*:
- a. If *Central Dual-energy X-Ray Absorptiometry (DXA) results documented* equals Yes, include in *Data Completeness Met and Performance Met*.
    - *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 20 episodes in the Sample Calculation.
  - b. If *Central Dual-energy X-Ray Absorptiometry (DXA) results documented* equals No, proceed to check *Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed*.
17. Check *Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed*:
- a. If *Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed* equals Yes, include in *Data Completeness Met and Performance Met*.
    - *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 20 episodes in the Sample Calculation.
  - b. If *Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed* equals No, proceed to check *Central DXA measurement was not performed, reason not otherwise specified*.
18. Check *Central DXA measurement was not performed, reason not otherwise specified*:
- a. If *Central DXA measurement was not performed, reason not otherwise specified* equals Yes, include in *Data Completeness Met and Performance Not Met*.
    - *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 20 episodes in the Sample Calculation.
  - b. If *Central DXA measurement was not performed, reason not otherwise specified* equals No, proceed to check *Pharmacologic therapy for osteoporosis was not prescribed, reason not given*.
19. Check *Pharmacologic therapy for osteoporosis was not prescribed, reason not given*:
- a. If *Pharmacologic therapy for osteoporosis was not prescribed, reason not given* equals Yes, include in *Data Completeness Met and Performance Not Met*.
    - *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 10 episodes in the Sample Calculation.

- b. If *Pharmacologic therapy for osteoporosis was not prescribed, reason not given* equals No, proceed to check *Data Completeness Not Met*.

20. Check *Data Completeness Not Met*:

- If *Data Completeness Not Met*, the Quality Data Code was not submitted. 10 episodes have been subtracted from the Data Completeness Numerator in the Sample Calculation.

### **Sample Calculations**

Data Completeness equals Denominator Exclusion ( $x^1$  through  $x^7$  equals 20 episodes) plus Performance Met ( $a^1$  plus  $a^2$  equals 40 episodes) plus Performance Not Met ( $c^1$  plus  $c^2$  equals 30 episodes) divided by Eligible Population/Denominator ( $d$  equals 100 episodes). All equals 90 episodes divided by 100 episodes. All equals 90.00 percent.

Performance Rate equals Performance Met ( $a^1$  plus  $a^2$  equals 40 episodes) divided by Data Completeness Numerator (90 episodes) minus Denominator Exclusion ( $x^1$  through  $x^7$  equals 20 episodes). All equals 40 episodes divided by 70 episodes. All equals 57.14 percent.

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

NOTE: Submission Frequency: Episode

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