2025 COLLECTION TYPE: MIPS CLINICAL QUALITY MEASURES (CQMS)

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 180 days after the fracture.

INSTRUCTIONS:

This measure is to be submitted after <u>each occurrence</u> 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 fractures.

NOTE: Patients with <u>any fracture</u> 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 180 days 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, POS 02, POS 10) are allowable. Please note that effective January 1, 2025, while a measure may be denoted as telehealth eligible, specific denominator codes within the encounter may no longer be eligible due to changes outlined in the CY 2024 PFS Final Rule List of Medicare Telehealth Services.

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.

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: To assess the age for exclusions, the patient's age on the date of the encounter should be used. * 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 should be counted in the denominator population for MIPS CQMs.

Option 1 - Denominator Criteria (Eligible Cases): Patients aged 50-85 years on date of encounter

AND

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, S12.401D, S12.40
S12.391B, S12.400A, S12.400B, S12.401A, S12.401B, S12.430A, S12.430B, S12.431A, S12.431B, S12.441A, S12.44
S12.44XA, S12.44XB, S12.450A, S12.450B, S12.451A, S12.451B, S12.490A, S12.490B, S12.491A, S12.60A, S12
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,
S12.591A, S12.590A, S12.500A, S12.500B, S12.501A, 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, S32.002B, S32.001A, S32.001B, S32.001A, S32.00
S32.002B, S32.008A, S32.008B, S32.009A, S32.009B, S32.010A, S32.010B, S32.011A, S32.011B,

	S32.018A, S32.018B,					
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.
	S32.10XB, S32.110A					
	S32.120A, S32.120B,					
	S32.130B, S32.131A,					
	S32.15XA, S32.15XB,					
	, S32.2XXB, S32.301A					
	S32.312A, S32.312B,					
	S32.316B, S32.391A,					
S32.401A, S32.401B,	S32.402A, S32.402B,	S32.409A,	S32.409B,	S32.411A,	S32.411B,	S32.412A,
S32.412B, S32.413A,	S32.413B, S32.414A,	S32.414B,	S32.415A,	S32.415B,	S32.416A,	S32.416B,
S32.421A, S32.421B,	S32.422A, S32.422B,	S32.423A,	S32.423B,	S32.424A,	S32.424B,	S32.425A,
S32.425B, S32.426A,	S32.426B, S32.431A,	S32.431B,	S32.432A,	S32.432B,	S32.433A,	S32.433B,
	S32.435A, S32.435B,					
	S32.443B, S32.444A,					
	S32.452A, S32.452B,					
	S32.456B, S32.461A,					
	S32.465A, S32.465B,					
	S32.403A, S32.403D, S32.473B, S32.474A,					
	S32.482A, S32.482B,					
	S32.486B, S32.491A,					
	S32.502A, S32.502B,					
	S32.519B, S32.591A,					
	S32.602A, S32.602B,					
S32.612B, S32.613A,	S32.613B, S32.614A,	S32.614B,	S32.615A,	S32.615B,	S32.616A,	S32.616B,
S32.691A, S32.691B,	S32.692A, S32.692B,	S32.699A,	S32.699B,	S32.810A,	S32.810B,	S32.811A,
S32.811B, S32.82XA,	S32.82XB, S32.89XA,	S32.89XB,	S32.9XXA,	S32.9XXB,	S42.001A,	S42.001B,
S42.002A, S42.002B,	S42.009A, S42.009B,	S42.011A,	S42.011B,	S42.012A,	S42.012B,	S42.013A,
	S42.014B, S42.015A,					
	S42.019A, S42.019B,		-	-	-	
	S42.024B, S42.025A,					
	S42.033A, S42.033B,					
	S42.101B, S42.102A,					
	S42.113A, S42.113B,					
	S42.113A, S42.113D, S42.121B, S42.122A,					
					-	-
	S42.126A, S42.126B,					
	S42.134B, S42.135A,		-	-	-	
	S42.143A, S42.143B,					
	S42.151B, S42.152A,					
	S42.156A, S42.156B,					
	S42.201B, S42.202A,					
S42.212A, S42.212B,	S42.213A, S42.213B,	S42.214A,	S42.214B,	S42.215A,	S42.215B,	S42.216A,
S42.216B, S42.221A,	S42.221B, S42.222A,	S42.222B,	S42.223A,	S42.223B,	S42.224A,	S42.224B,
S42.225A, S42.225B,	S42.226A, S42.226B,	S42.231A,	S42.231B,	S42.232A,	S42.232B,	S42.239A,
	S42.241B, S42.242A,					
	S42.253A, S42.253B,					
	S42.261B, S42.262A,					
	S42.266A, S42.266B,					
	S42.293A, S42.293B,					
	S42.301B, S42.302A,					
JTZ.Z700, JHZ.JUIA,	372.301D, 372.302A,	J72.JUZD,	372.307A,	J72.JU7D,	J72.J21A,	

	S42.322B,							
S42.326B,	S42.331A,	S42.331B,	S42.332A,	S42.332B,	S42.333A,	S42.333B,	S42.334A,	S42.334B,
S42.335A,	S42.335B,	S42.336A,	S42.336B,	S42.341A,	S42.341B,	S42.342A,	S42.342B,	S42.343A,
S42.343B,	S42.344A,	S42.344B,	S42.345A,	S42.345B,	S42.346A,	S42.346B,	S42.351A,	S42.351B,
	S42.352B,							
	S42.361A,							
	S42.365B,							
	S42.401A,							
	S42.412B,							
	S42.421A,							
	S42.425B,							
S42.433B,	S42.434A,	S42.434B,	S42.435A,	S42.435B,	S42.436A,	S42.436B,	S42.441A,	S42.441B,
S42.442A,	S42.442B,	S42.443A,	S42.443B,	S42.444A,	S42.444B,	S42.445A,	S42.445B,	S42.446A,
S42.446B,	S42.447A,	S42.447B,	S42.448A,	S42.448B,	S42.449A,	S42.449B,	S42.451A,	S42.451B,
S42.452A,	S42.452B,	S42.453A,	S42.453B,	S42.454A,	S42.454B,	S42.455A,	S42.455B,	S42.456A,
S42.456B,	S42.461A,	S42.461B,	S42.462A,	S42.462B,	S42.463A,	S42.463B,	S42.464A,	S42.464B,
	S42.465B,							
	S42.474A,							
	S42.491A,							
	S42.495B,							
	S42.475D, S52.001A,							
	S52.011A,	-						-
	S52.023A,	-		-		-		-
	S52.026A,							
	S52.033A,							
	S52.036A,							
S52.042C,	S52.043A,	S52.043B,	S52.043C,	S52.044A,	S52.044B,	S52.044C,	S52.045A,	S52.045B,
S52.045C,	S52.046A,	S52.046B,	S52.046C,	S52.091A,	S52.091B,	S52.091C,	S52.092A,	S52.092B,
S52.092C,	S52.099A,	S52.099B,	S52.099C,	S52.101A,	S52.101B,	S52.101C,	S52.102A,	S52.102B,
S52.102C,	S52.109A,	S52.109B,	S52.109C,	S52.111A,	S52.112A,	S52.119A,	S52.121A,	S52.121B,
	S52.122A,							
	S52.125A,							
	S52.132A,							
	S52.132A,							
	S52.133A,							
	S52.102A,							
	S52.222A,							
	S52.225A,							
	S52.232A,							
	S52.235A,							
	S52.242A,							
	S52.245A,							
	S52.252A,							
S52.254C,	S52.255A,	S52.255B,	S52.255C,	S52.256A,	S52.256B,	S52.256C,	S52.261A,	S52.261B,
S52.261C,	S52.262A,	S52.262B,	S52.262C,	S52.263A,	S52.263B,	S52.263C,	S52.264A,	S52.264B,
	S52.265A,							
	S52.272A,							
	S52.282A,							
	S52.202A,							
	S52.302A,							
	S52.302A,							
	332.3ZZA,							
JJ/.J/40	CEJ JJEV	CEJ JJED	523 3720	CEJ JJYV	527 274D	CL7 2741	CED 201 A	CL) 221D
	S52.325A, S52.332A,							

				S52.336A,				
S52.341C,	S52.342A,	S52.342B,	S52.342C,	S52.343A,	S52.343B,	S52.343C,	S52.344A,	S52.344B,
S52.344C,	S52.345A,	S52.345B,	S52.345C,	S52.346A,	S52.346B,	S52.346C,	S52.351A,	S52.351B,
S52.351C.	S52.352A.	S52.352B,	S52.352C.	S52.353A,	S52.353B.	S52.353C.	S52.354A,	S52.354B.
				S52.356A,				
				S52.363A,				
				S52.366A,				
				S52.379A,				
				S52.389A,				
				S52.399A,				
				S52.509A,				
				S52.513A,				
S52.514C,	S52.515A,	S52.515B,	S52.515C,	S52.516A,	S52.516B,	S52.516C,	S52.521A,	S52.522A,
S52.529A,	S52.531A,	S52.531B,	S52.531C,	S52.532A,	S52.532B,	S52.532C,	S52.539A,	S52.539B,
S52.539C,	S52.541A,	S52.541B,	S52.541C,	S52.542A,	S52.542B,	S52.542C,	S52.549A,	S52.549B,
S52.549C,	S52.551A,	S52.551B,	S52.551C,	S52.552A,	S52.552B,	S52.552C,	S52.559A,	S52.559B,
S52.559C,	S52.561A,	S52.561B,	S52.561C,	S52.562A,	S52.562B,	S52.562C,	S52.569A,	S52.569B,
				S52.572A,				
				S52.592A,				
				S52.602A,				
				S52.612A,				
				S52.615A,				
-			-	-	-	-		-
				S52.691A,				
				S52.90XA,				
				, S62.001A,				
				S62.012B,				
				S62.021A,				
				S62.025B,				
S62.032A,	S62.032B,	S62.033A,	S62.033B,	S62.034A,	S62.034B,	S62.035A,	S62.035B,	S62.036A,
S62.036B,	S62.101A,	S62.101B,	S62.102A,	S62.102B,	S62.109A,	S62.109B,	S62.111A,	S62.111B,
S62.112A,	S62.112B,	S62.113A,	S62.113B,	S62.114A,	S62.114B,	S62.115A,	S62.115B,	S62.116A,
S62.116B,	S62.121A,	S62.121B,	S62.122A,	S62.122B,	S62.123A,	S62.123B,	S62.124A,	S62.124B,
S62.125A,	S62.125B,	S62.126A,	S62.126B,	S62.131A,	S62.131B,	S62.132A,	S62.132B,	S62.133A,
S62.133B,	S62.134A,	S62.134B,	S62.135A,	S62.135B,	S62.136A,	S62.136B,	S62.141A,	S62.141B,
S62.142A,	S62.142B,	S62.143A,	S62.143B,	S62.144A,	S62.144B,	S62.145A,	S62.145B,	S62.146A,
				S62.152B,				
				S62.161A,				
				S62.165B,				
				S62.174A,				
				S62.182B,				
				S62.201A,				
				S62.212B,				
				S62.224A,				
				S62.232B,				
				S62.241A,				
				S62.245B,				
				S62.254A,				
				S62.292B,				
S62.301A,	S62.301B,	S62.302A,	S62.302B,	S62.303A,	S62.303B,	S62.304A,	S62.304B,	S62.305A,
S62.305B,	S62.306A,	S62.306B,	S62.307A,	S62.307B,	S62.308A,	S62.308B,	S62.309A,	S62.309B,
S62.310A,	S62.310B,	S62.311A,	S62.311B,	S62.312A,	S62.312B,	S62.313A,	S62.313B,	S62.314A,
S62.314B,	S62.315A,	S62.315B,	S62.316A,	S62.316B,	S62.317A,	S62.317B,	S62.318A,	S62.318B,
				S62.321A,				
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S62.323B, S62.324	A, S62.324B, S62.32	25A, S62.325B,	S62.326A,	S62.326B,	S62.327A,	S62.327B,
S62.328A, S62.328	B, S62.329A, S62.32	9B, S62.330A,	S62.330B,	S62.331A,	S62.331B,	S62.332A,
S62.332B, S62.333	A, S62.333B, S62.33	4A. S62.334B.	S62.335A	S62.335B	S62.336A	S62.336B
	B, S62.338A, S62.33					•
	A, S62.342B, S62.34					
	B, S62.347A, S62.34					
	A, S62.351B, S62.35					
	B, S62.356A, S62.35					
	A, S62.360B, S62.3					
S62.364A, S62.364	B, S62.365A, S62.36	5B, S62.366A,	S62.366B,	S62.367A,	S62.367B,	S62.368A,
S62.368B, S62.369	A, S62.369B, S62.39	0A, S62.390B,	S62.391A,	S62.391B,	S62.392A,	S62.392B,
S62.393A, S62.393	B, S62.394A, S62.39	4B, S62.395A,	S62.395B,	S62.396A,	S62.396B,	S62.397A,
S62.397B, S62.398	A, S62.398B, S62.39	9A, S62.399B,	S62.90XA,	S62.90XB,	S62.91XA,	S62.91XB,
	(B, S72.001A, S72.0					
	C, S72.011A, S72.0					
	C, S72.031A, S72.03					
	C, S72.031A, S72.03 C, S72.034A, S72.03					
	C, S72.041A, S72.04					
	C, S72.044A, S72.04					
	C, S72.051A, S72.0					
	C, S72.061A, S72.00					
S72.063B, S72.063	C, S72.064A, S72.00	64B, S72.064C	, S72.065A,	S72.065B,	S72.065C,	S72.066A,
S72.066B, S72.066	C, S72.091A, S72.09	91B, S72.091C	, S72.092A,	S72.092B,	S72.092C,	S72.099A,
S72.099B, S72.099	C, S72.101A, S72.10	01B, S72.101C	, S72.102A,	S72.102B,	S72.102C,	S72.109A,
	C, S72.111A, S72.1					
	C, S72.114A, S72.1					
	C, S72.121A, S72.12					
	C, S72.124A, S72.12					
	C, S72.141A, S72.14					
	C, S72.144A, S72.14					
	C, S72.21XA, S72.21					
	C, S72.24XA, S72.24					
	C, S72.301A, S72.3					
	C, S72.321A, S72.32					
S72.323B, S72.323	C, S72.324A, S72.32	24B, S72.324C,	, S72.325A,	S72.325B,	S72.325C,	S72.326A,
S72.326B, S72.326	C, S72.331A, S72.33	31B, S72.331C	S72.332A,	S72.332B,	S72.332C,	S72.333A,
	C, S72.334A, S72.33					
	C, S72.341A, S72.34					
	C, S72.344A, S72.34					
	C, S72.351A, S72.3					
	C, S72.354A, S72.3					
	C, S72.361A, S72.30					
	C, S72.364A, S72.30					
	C, S72.391A, S72.39					
	C, S72.401A, S72.40					
	C, S72.411A, S72.4					
	C, S72.414A, S72.4					
S72.416B, S72.416	C, S72.421A, S72.42	21B, S72.421C	, S72.422A,	S72.422B,	S72.422C,	S72.423A,
S72.423B, S72.423	C, S72.424A, S72.42	24B, S72.424C,	, S72.425A,	S72.425B,	S72.425C,	S72.426A,
	C, S72.431A, S72.43					
	C, S72.434A, S72.43					
	C, S72.451A, S72.4					
	C, S72.454A, S72.4					
JIZ. 7000, JIZ. 400	0, JIZ.707A, JIZ.4.	JID, JIZ.4J40,	, JIZ. 733A,	572.7550,	512.4000,	

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S72.456B, S72.456							
S72.463B, S72.463							
S72.466B, S72.466							
S72.492B, S72.4920							
S72.8X2B, S72.8X2	C, S72.8X9A, S	72.8X9B,	S72.8X9C,	S72.90XA,	S72.90XB,	S72.90XC,	S72.91XA,
S72.91XB, S72.91X							
S82.002B, S82.002	C, S82.009A, S	82.009B,	S82.009C,	S82.011A,	S82.011B,	S82.011C,	S82.012A,
S82.012B, S82.012							
S82.015B, S82.015							
S82.022B, S82.022							
S82.025B, S82.025							
S82.032B, S82.032							
S82.035B, S82.035							
S82.042B, S82.042							
S82.045B, S82.045							
S82.092B, S82.092							
S82.102B, S82.1020							
S82.112B, S82.112							
S82.115B, S82.115							
S82.122B, S82.122							
S82.125B, S82.125							
S82.132B, S82.132							
S82.135B, S82.135							
S82.142B, S82.142							
S82.145B, S82.145							
S82.152B, S82.152							
S82.155B, S82.155							
S82.191B, S82.191							
S82.201B, S82.2010							
S82.221B, S82.221							
S82.224B, S82.224	C, S82.225A, S	82.225B,	S82.225C,	S82.226A,	S82.226B,	S82.226C,	S82.231A,
S82.231B, S82.231	C, S82.232A, S	82.232B,	S82.232C,	S82.233A,	S82.233B,	S82.233C,	S82.234A,
S82.234B, S82.234	C, S82.235A, S	82.235B,	S82.235C,	S82.236A,	S82.236B,	S82.236C,	S82.241A,
S82.241B, S82.241	C, S82.242A, S	82.242B,	S82.242C,	S82.243A,	S82.243B,	S82.243C,	S82.244A,
S82.244B, S82.244							
S82.251B, S82.251	C, S82.252A, S	82.252B,	S82.252C,	S82.253A,	S82.253B,	S82.253C,	S82.254A,
S82.254B, S82.254							
S82.261B, S82.261							
S82.264B, S82.264							
S82.291B, S82.291							
S82.301B, S82.301							
S82.312A, S82.319							
S82.399B, S82.399							
S82.409B, S82.409							
S82.423B, S82.423							
S82.426B, S82.426							
S82.433B, S82.433							
S82.436B, S82.436							
S82.443B, S82.4430							
S82.446B, S82.446							
S82.453B, S82.453							
S82.455B, S82.455							
S82.463B, S82.463							
JUZ.40JD, JOZ.403	J, JUZ.404A, J	02.404D,	JUZ.404U,	JUZ.40JA,	302.403D	JUZ.4000,	JUZ.400A,

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	S82.466C,							
	S82.499C,							
	S82.53XC,							
	S82.56XC,							
S82.63XB,	S82.63XC,	S82.64XA,	S82.64XB,	S82.64XC,	S82.65XA,	S82.65XB,	S82.65XC,	S82.66XA,
S82.66XB,	S82.66XC,	S82.811A,	S82.812A,	S82.819A,	S82.821A,	S82.822A,	S82.829A,	S82.831A,
S82.831B,	S82.831C,	S82.832A,	S82.832B,	S82.832C,	S82.839A,	S82.839B,	S82.839C,	S82.841A,
	S82.841C,							
	S82.844C,							
	S82.851C,							
	S82.854C,							
	S82.861C,							
	S82.864C,							
	S82.871C,							
	S82.874C,							
	S82.891C,							
	S82.90XC,							
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	S92.002A,							
	S92.013B,							
	S92.022A,							
	S92.026B,		-	-	-			-
	S92.035A,							
	S92.043B,							
	S92.052A,							
	S92.056B,							
	S92.065A,							
	S92.109B,							
	S92.115A,							
	S92.123B,							
	S92.132A,							
	S92.136B,							
-	S92.145A,	-	-					-
	S92.153B,							
	S92.192A,							
S92.209A,	S92.209B,	S92.211A,	S92.211B,	S92.212A,	S92.212B,	S92.213A,	S92.213B,	S92.214A,
S92.214B,	S92.215A,	S92.215B,	S92.216A,	S92.216B,	S92.221A,	S92.221B,	S92.222A,	S92.222B,
S92.223A,	S92.223B,	S92.224A,	S92.224B,	S92.225A,	S92.225B,	S92.226A,	S92.226B,	S92.231A,
S92.231B,	S92.232A,	S92.232B,	S92.233A,	S92.233B,	S92.234A,	S92.234B,	S92.235A,	S92.235B,
S92.236A,	S92.236B,	S92.241A,	S92.241B,	S92.242A,	S92.242B,	S92.243A,	S92.243B,	S92.244A,
S92.244B,	S92.245A,	S92.245B,	S92.246A,	S92.246B,	S92.251A,	S92.251B,	S92.252A,	S92.252B,
S92.253A,	S92.253B,	S92.254A,	S92.254B,	S92.255A,	S92.255B,	S92.256A,	S92.256B,	S92.301A,
S92.301B,	S92.302A,	S92.302B,	S92.309A,	S92.309B,	S92.311A,	S92.311B,	S92.312A,	S92.312B,
S92.313A,	S92.313B,	S92.314A,	S92.314B,	S92.315A,	S92.315B,	S92.316A,	S92.316B,	S92.321A,
	S92.322A,							
S92.326A,	S92.326B,	S92.331A,	S92.331B,	S92.332A,	S92.332B,	S92.333A,	S92.333B,	S92.334A,
	S92.335A,							
	S92.343B,							
	S92.352A,							
	S92.356B,							
	S92.902A, S				1		1	- 1
AND	, -	, -	,					

Patient encounter during the performance period (CPT or HCPCS): 98000, 98001, 98002, 98003, 98004, 98005, 98006, 98007, 98008, 98009, 98010, 98011, 98012, 98013, 98014, 98015, 98016, 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*, , 99455, 99456, 99457, 99483, G0071, G0402, G0438, G0439, G0463*, G2010, T1015

WITHOUT Place of Service (POS): 21

AND NOT

DENOMINATOR EXCLUSIONS:

Patients who utilize hospice services any time during the measurement period: G9768 OR

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

OR

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

<u> 0R</u>

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: G9938

<u> 0R</u>

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: G2127

<u> 0R</u>

Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period: G2126

<u> 0R</u>

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: G2125

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

Table: Dementia Exclusion Medications

<u>Codes to identify Frailty:</u> 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, L89.009, L89.010, L89.011, L89.012, L89.013, L89.014, L89.016, L89.019, L89.020, L89.021, L89.022, L89.023, L89.024, L89.024, 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.A1, G20.A2, G20.B1, G20.B2, G20.C, G30.0, G30.1, G30.8, G30.9, G31.01, G31.09, G31.83,G35, I09.81, I11.0, I12.0, I13.0, I13.11, I13.2, I50.1, I50.20, 150.21, 150.22, 150.23, 150.30, 150.31, 150.32, 150.33, 150.40, 150.41, 150.42, 150.43, 150.810, 150.811, 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

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Option 2 - Denominator Criteria (Eligible Cases):

Patients aged 50-85 years on date of encounter

<u>and</u>

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	
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	-
M80.852A, M80.859A, M80.861A, M80.862A, M80.869A, M80.871A, M80.872A, M80.879A, M80	
M80.0AXA, M80.0B1A, M80.0B1D, M80.0B1G, M80.0B1K, M80.0B1P, M80.0B1S, M80.0B2A, M80.	
M80.0B2G, M80.0B2K, M80.0B2P, M80.0B2S, M80.0B9A, M80.0B9D, M80.0B9G, M80.0B9K, M80	
M80.0B9S, M80.8AXA, M80.8B1A, M80.8B1D, M80.8B1G, M80.8B1K, M80.8B1P, M80.8B1S, M80	
M80.8B2D, M80.8B2G, M80.8B2K, M80.8B2P, M80.8B2S, M80.8B9A, M80.8B9D, M80.8B9G, M80	
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,
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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	
S12.001A, S12.001B, S12.01XA, S12.01XB, S12.02XA, S12.02XB, S12.030A, S12.030B, S12	
S12.031B, S12.040A, S12.040B, S12.041A, S12.041B, S12.090A, S12.090B, S12.091A, S12	
S12.000A, S12.000B, S12.000B, S12.001A, S12.000B, S12.00	
S12.112B, S12.120A, S12.120B, S12.121A, S12.121B, S12.130A, S12.130B, S12.131A, S12	
S12.14XA, S12.14XB, S12.150A, S12.150B, S12.151A, S12.151B, S12.190A, S12.190B, S12	
S12.191B, S12.200A, S12.200B, S12.201A, S12.201B, S12.230A, S12.230B, S12.231A, S12	-
S12.24XA, S12.24XB, S12.250A, S12.250B, S12.251A, S12.251B, S12.290A, S12.290B, S12	
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	
S12.54XA, S12.54XB, S12.550A, S12.550B, S12.551A, S12.551B, S12.590A, S12.590B, S12	
S12.591B, S12.600A, S12.600B, S12.601A, S12.601B, S12.630A, S12.630B, S12.631A, S12	
S12.64XA, S12.64XB, S12.650A, S12.650B, S12.651A, S12.651B, S12.690A, S12.690B, S12	
S12.04XA, S12.04XB, S12.04	
S22.008A, S22.008B, S22.009A, S22.009B, S22.010A, S22.010B, S22.011A, S22.011B, S22	
S22.012B, S22.018A, S22.018B, S22.019A, S22.019B, S22.020A, S22.020B, S22.021A, S22	
S22.022A, S22.022B, S22.028A, S22.028B, S22.029A, S22.029B, S22.030A, S22.030B, S22	
S22.031B, S22.032A, S22.032B, S22.038A, S22.038B, S22.039A, S22.039B, S22.040A, S22	
S22.041A, S22.041B, S22.042A, S22.042B, S22.048A, S22.048B, S22.049A, S22.049B, S22	
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	
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S22.39XB, S22.41XA, S22.41XB, S22.42XA, S22.42XB, S22.43XA, S22.43XB, S22.49XA, S22	-
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S32.002B, S32.008A, S32.008B, S32.009A, S32.000B, S32.000B, S32.001B, S32.00	
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S32.021B, S32.022A, S32.022B, S32.028A, S32.028B, S32.029A, S32.029B, S32.030A, S32	
S32.031A, S32.031B, S32.032A, S32.032B, S32.038A, S32.038B, S32.039A, S32.039B, S32	
S32.040B, S32.041A, S32.041B, S32.042A, S32.042B, S32.048A, S32.048B, S32.049A, S32	
S32.050A, S32.050B, S32.051A, S32.051B, S32.052A, S32.052B, S32.058A, S32.058B, S32	
S32.059B, S32.10XA, S32.10XB, S32.110A, S32.110B, S32.111A, S32.111B, S32.112A, S32	.112B,
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S32.129B, S32.130A, S32.130B, S32.131A, S32.131B, S32.132A, S32.132B, S32.139A, S32	.139B,

000 4 4 4 4 000 4 4				000 4714	000 4710	000 4014
S32.14XA, S32.14X						
S32.19XB, S32.2X						
S32.311A, S32.311			-			
S32.315B, S32.316	A, S32.316B, S3	32.391A, S32.391E	B, S32.392A,	S32.392B,	S32.399A,	S32.399B,
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S32.421A, S32.421	B, S32.422A, S3	32.422B, S32.423A	, S32.423B,	S32.424A,	S32.424B,	S32.425A,
S32.425B, S32.426						
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S32.485B, S32.486						
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S32.612B, S32.613						
S32.691A, S32.691						
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S42.013B, S42.014						
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S42.036B, S42.101						
S42.112A, S42.112						
S42.116B, S42.121	A, S42.121B, S4	2.122A, S42.122E	8, S42.123A,	S42.123B,	S42.124A,	S42.124B,
S42.125A, S42.125	B, S42.126A, S4	2.126B, S42.131A	, S42.131B,	S42.132A,	S42.132B,	S42.133A,
S42.133B, S42.134	A, S42.134B, S4	2.135A, S42.135E	8, S42.136A,	S42.136B,	S42.141A,	S42.141B,
S42.142A, S42.142	B, S42.143A, S4	2.143B, S42.144A	, S42.144B,	S42.145A,	S42.145B,	S42.146A,
S42.146B, S42.151	A, S42.151B, S4	2.152A, S42.152E	8, S42.153A,	S42.153B,	S42.154A,	S42.154B,
S42.155A, S42.155	B, S42.156A, S4	2.156B, S42.191A	, S42.191B,	S42.192A,	S42.192B,	S42.199A,
S42.199B, S42.201	A, S42.201B, S4	2.202A, S42.202E	, S42.209A,	S42.209B,	S42.211A,	S42.211B,
S42.212A, S42.212						
S42.216B, S42.221	A, S42.221B, S4	2.222A, S42.222E	, S42.223A,	S42.223B,	S42.224A,	S42.224B,
S42.225A, S42.225						
S42.239B, S42.241						
S42.252A, S42.252						
S42.256B, S42.261						
S42.265A, S42.265						
S42.292A, S42.292						
S42.296B, S42.301						
S42.322A, S42.322						
S42.326B, S42.331						
S42.335A, S42.335						
S42.333A, S42.333 S42.343B, S42.344						
S42.352A, S42.352						
S42.356B, S42.361						
S42.365A, S42.365						
S42.305A, S42.305 S42.399B, S42.401						
J42.J770, J42.401	n, 342.4010, 34	12.402A, 342.402E	9, 342.407A,	J42.407D,	342.411A,	342.411D,

S42.412A, S42.41							
S42.416B, S42.42	21A, S42.421B,	S42.422A,	S42.422B,	S42.423A,	S42.423B,	S42.424A,	S42.424B,
S42.425A, S42.42	25B, S42.426A,	S42.426B,	S42.431A,	S42.431B,	S42.432A,	S42.432B,	S42.433A,
S42.433B, S42.43	84A, S42.434B,	S42.435A,	S42.435B,	S42.436A,	S42.436B,	S42.441A,	S42.441B,
S42.442A, S42.44	2B, S42.443A,	S42.443B,	S42.444A,	S42.444B,	S42.445A,	S42.445B,	S42.446A,
S42.446B, S42.44							
S42.452A, S42.45							
S42.456B, S42.46							
S42.465A, S42.46							
S42.473B, S42.47							
S42.489A, S42.49							
S42.495A, S42.49							
S42.92XB, S52.00		-			-	-	
S52.009C, S52.0							
S52.007C, S52.02 S52.022C, S52.02							
S52.025C, S52.02							
S52.025C, S52.02							
S52.035C, S52.03							
S52.042C, S52.04							
S52.045C, S52.04							
S52.092C, S52.09							
S52.102C, S52.10							
S52.121C, S52.12							
S52.124C, S52.12							
S52.131C, S52.13							
S52.134C, S52.13							
S52.181C, S52.18							
S52.201C, S52.20							
S52.221C, S52.22							
S52.224C, S52.22							
S52.231C, S52.23	32A, S52.232B,	S52.232C,	S52.233A,	S52.233B,	S52.233C,	S52.234A,	S52.234B,
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S52.241C, S52.24	12A, S52.242B,	S52.242C,	S52.243A,	S52.243B,	S52.243C,	S52.244A,	S52.244B,
S52.244C, S52.24							
S52.251C, S52.25	52A, S52.252B,	S52.252C,	S52.253A,	S52.253B,	S52.253C,	S52.254A,	S52.254B,
S52.254C, S52.25	55A, S52.255B,	S52.255C,	S52.256A,	S52.256B,	S52.256C,	S52.261A,	S52.261B,
S52.261C, S52.26	52A, S52.262B,	S52.262C,	S52.263A,	S52.263B,	S52.263C,	S52.264A,	S52.264B,
S52.264C, S52.26	5A, S52.265B,	S52.265C,	S52.266A,	S52.266B,	S52.266C,	S52.271A,	S52.271B,
S52.271C, S52.27	2A, S52.272B,	S52.272C,	S52.279A,	S52.279B,	S52.279C,	S52.281A,	S52.281B,
S52.281C, S52.28	32A, S52.282B,	S52.282C,	S52.283A,	S52.283B,	S52.283C,	S52.291A,	S52.291B,
S52.291C, S52.29	2A, S52.292B,	S52.292C,	S52.299A,	S52.299B,	S52.299C,	S52.301A,	S52.301B,
S52.301C, S52.30)2A, S52.302B,	S52.302C,	S52.309A,	S52.309B,	S52.309C,	S52.321A,	S52.321B,
S52.321C, S52.32							
S52.324C, S52.32							
S52.331C, S52.33							
S52.334C, S52.33							
S52.341C, S52.34							
S52.344C, S52.34							
S52.351C, S52.35							
S52.354C, S52.35							
S52.361C, S52.36							
S52.364C, S52.36							
S52.371C, S52.37							
JJZ.J/10, JJZ.J	ZIN, JJZ.JIZD,	552.5720,	JJZ.J17A,	JJZ.J17D,	JJZ.J170,	552.50 IA,	JJZ.JUID,

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S52.559C, S52.5							
S52.569C, S52.5							
S52.579C, S52.5							
S52.599C, S52.6							-
S52.609C, S52.6							
S52.613C, S52.6							
S52.616C, S52.6							
S52.692C, S52.6							
S52.91XC, S52.9							
S62.009B, S62.0							
S62.015A, S62.0							
S62.023B, S62.0							
S62.032A, S62.0							
S62.036B, S62.1							
S62.112A, S62.1							
S62.116B, S62.1							
S62.125A, S62.1							
S62.133B, S62.1							
S62.142A, S62.1	42B, S62.143A,	S62.143B,	S62.144A,	S62.144B,	S62.145A,	S62.145B,	S62.146A,
S62.146B, S62.1							
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S62.163B, S62.1	64A, S62.164B,	S62.165A,	S62.165B,	S62.166A,	S62.166B,	S62.171A,	S62.171B,
S62.172A, S62.1	72B, S62.173A,	S62.173B,	S62.174A,	S62.174B,	S62.175A,	S62.175B,	S62.176A,
S62.176B, S62.1	81A, S62.181B,	S62.182A,	S62.182B,	S62.183A,	S62.183B,	S62.184A,	S62.184B,
S62.185A, S62.1	85B, S62.186A,	S62.186B,	S62.201A,	S62.201B,	S62.202A,	S62.202B,	S62.209A,
S62.209B, S62.2	11A, S62.211B,	S62.212A,	S62.212B,	S62.213A,	S62.213B,	S62.221A,	S62.221B,
S62.222A, S62.2	22B, S62.223A,	S62.223B,	S62.224A,	S62.224B,	S62.225A,	S62.225B,	S62.226A,
S62.226B, S62.2							
S62.235A, S62.2							
S62.243B, S62.2							
S62.252A, S62.2							
S62.256B, S62.2							
S62.301A, S62.3							
S62.305B, S62.3							
S62.310A, S62.3							
S62.314B, S62.3							
S62.319A, S62.3							
S62.323B, S62.3							
S62.328A, S62.3							
S62.332B, S62.3							
S62.337A, S62.3							
S62.341B, S62.3							
S62.346A, S62.3							
S62.350B, S62.3							
S62.355A, S62.3	555, 502.500A,	202.300D,	302.307A,	302.307D,	302.300A,	202.300D,	202.209H

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	S62.364B,							
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S62.393A,	S62.393B,	S62.394A,	S62.394B,	S62.395A,	S62.395B,	S62.396A,	S62.396B,	S62.397A,
S62.397B,	S62.398A,	S62.398B,	S62.399A,	S62.399B,	S62.90XA,	S62.90XB,	S62.91XA,	S62.91XB,
S62.92XA,	S62.92XB,	S72.001A,	S72.001B,	S72.001C,	S72.002A,	S72.002B,	S72.002C,	S72.009A,
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	S72.019C,							
	S72.033C,							
	S72.036C,							
	S72.043C,							
	S72.046C,							
	S72.059C,							
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	S72.066C,							
	S72.099C,							
	S72.109C,							
	S72.113C,							
	S72.116C,							
	S72.123C,							
S72.126B,	S72.126C,	S72.141A,	S72.141B,	S72.141C,	S72.142A,	S72.142B,	S72.142C,	S72.143A,
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S72.23XB,	S72.23XC,	S72.24XA,	S72.24XB,	S72.24XC,	S72.25XA,	S72.25XB,	S72.25XC,	S72.26XA,
S72.26XB,	S72.26XC,	S72.301A,	S72.301B,	S72.301C,	S72.302A,	S72.302B,	S72.302C,	S72.309A,
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	S72.456C,							
	S72.463C,							
	S72.466C,							
	S72.492C,							
	S72.8X2C,							
	S72.91XC,							
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	S82.025C,							
	S82.032C,							-
	S82.035C,							
	S82.042C,							
	S82.045C,							
	S82.092C,							
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	S82.125C,							
	S82.132C,							
	S82.135C,							
	S82.142C,							
	S82.142C,							
	S82.152C,							
	S82.155C,							
	S82.191C,							
	S82.201C,							
S82.221B,	S82.221C,	S82.222A,	S82.222B,	S82.222C,	S82.223A,	S82.223B,	S82.223C,	S82.224A,
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S82.231B,	S82.231C,	S82.232A,	S82.232B,	S82.232C,	S82.233A,	S82.233B,	S82.233C,	S82.234A,
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	S82.241C,							
	S82.244C,							
	S82.251C,							
	S82.254C,							
	S82.261C,							
	S82.264C,							
	S82.291C,							
	S82.301C,							
	S82.319A,							
	S82.399C,							
S82.409B,	S82.409C,	S82.421A,	S82.421B,	S82.421C,	S82.422A,	S82.422B,	S82.422C,	S82.423A,
S82.423B,	S82.423C,	S82.424A,	S82.424B,	S82.424C,	S82.425A,	S82.425B,	S82.425C,	S82.426A,
S82.426B,	S82.426C,	S82.431A,	S82.431B,	S82.431C,	S82.432A,	S82.432B,	S82.432C,	S82.433A,
S82.433B,	S82.433C,	S82.434A,	S82.434B,	S82.434C,	S82.435A,	S82.435B,	S82.435C,	S82.436A,
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	S82.443C,							
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	S82.56XC,							
	S82.63XC,							
	S82.66XC,							
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S82.844B, S82.844C,	S82.845A,	S82.845B,	S82.845C,	S82.846A,	S82.846B,	S82.846C,	S82.851A,
S82.851B, S82.851C,	S82.852A,	S82.852B,	S82.852C,	S82.853A,	S82.853B,	S82.853C,	S82.854A,
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S82.861B, S82.861C,	S82.862A,	S82.862B,	S82.862C,	S82.863A,	S82.863B,	S82.863C,	S82.864A,
S82.864B, S82.864C,	S82.865A,	S82.865B,	S82.865C,	S82.866A,	S82.866B,	S82.866C,	S82.871A,
S82.871B, S82.871C,	S82.872A,	S82.872B,	S82.872C,	S82.873A,	S82.873B,	S82.873C,	S82.874A,
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S82.90XB, S82.90XC, S							
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S92.013A, S92.013B, S	S92.014A,	S92.014B,	S92.015A,	S92.015B,	S92.016A,	S92.016B,	S92.021A,
S92.021B, S92.022A, S							
S92.026A, S92.026B, S							
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S92.043A, S92.043B, S							
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S92.056A, S92.056B, S							
S92.064B, S92.065A, S							
S92.109A, S92.109B, S							
S92.114B, S92.115A, S							
S92.123A, S92.123B, S	S92.124A,	S92.124B,	S92.125A,	S92.125B,	S92.126A,	S92.126B,	S92.131A,
S92.131B, S92.132A, S							
S92.136A, S92.136B, S	S92.141A,	S92.141B,	S92.142A,	S92.142B,	S92.143A,	S92.143B,	S92.144A,
S92.144B, S92.145A, S							
S92.153A, S92.153B, S							
S92.191B, S92.192A, S	S92.192B,	S92.199A,	S92.199B,	S92.201A,	S92.201B,	S92.202A,	S92.202B,
S92.209A, S92.209B, S	S92.211A,	S92.211B,	S92.212A,	S92.212B,	S92.213A,	S92.213B,	S92.214A,
S92.214B, S92.215A, S							
S92.223A, S92.223B, S							
S92.231B, S92.232A,							
S92.236A, S92.236B,	S92.241A,	S92.241B,	S92.242A,	S92.242B,	S92.243A,	S92.243B,	S92.244A,
S92.244B, S92.245A, S	S92.245B,	S92.246A,	S92.246B,	S92.251A,	S92.251B,	S92.252A,	S92.252B,
S92.253A, S92.253B,	S92.254A,	S92.254B,	S92.255A,	S92.255B,	S92.256A,	S92.256B,	S92.301A,
S92.301B, S92.302A,	S92.302B,	S92.309A,	S92.309B,	S92.311A,	S92.311B,	S92.312A,	S92.312B,
S92.313A, S92.313B, S	S92.314A,	S92.314B,	S92.315A,	S92.315B,	S92.316A,	S92.316B,	S92.321A,
S92.321B, S92.322A,	S92.322B,	S92.323A,	S92.323B,	S92.324A,	S92.324B,	S92.325A,	S92.325B,
S92.326A, S92.326B,							
S92.334B, S92.335A,							
S92.343A, S92.343B, S							
S92.351B, S92.352A, S							
S92.356A, S92.356B,							
S92.901B, S92.902A, S							

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

AND NOT

DENOMINATOR EXCLUSIONS:

Patients who utilize hospice services any time during the measurement period: G9768 OR

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

<u>OR</u>

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

<u> 0R</u>

Patients aged 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: G9938 OR

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: G2127

<u> 0R</u>

Patients 66-80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period: G2126

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: G2125

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, M62.85, 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, W10.0XXA, W10.0XXD, W10.8XXD, W10.8XXS, W10.9XXA, W10.9XXD, W10.9XXS, W18.00XA, W18.00XD, W18.02XA, W18.02XD, W18.02XS, W18.02XS, W18.02XS, W18.02XA, W18.02XS, W18.02XS, W18.02XS, 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.A1, G20.A2, G20.B1, G20.B2, G20.C, G30.0, G30.1, G30.8, G30.9, G31.01, G31.09, G31.83, G35, I09.81, I11.0, I12.0, I13.0, I13.11, I13.2, I50.1, I50.20, 150.21, 150.22, 150.23, 150.30, 150.31, 150.32, 150.33, 150.40, 150.41, 150.42, 150.43, 150.810, 150.811, 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

NUMERATOR:

Patients who received either a bone mineral density test or a prescription for a drug to treat osteoporosis in the 180 days 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 raloxifine.

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 medication 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.

	<u>Numerator Options:</u> Performance Met:	Central Dual-energy X-Ray Absorptiometry (DXA)		
	<u>OR</u>	results documented (3095F)		
<u>OR</u>	Performance Met:	Pharmacologic therapy (other than minerals/vitamins) for osteoporosis prescribed (G8633)		
	Performance Not Met:	Central Dual energy X-ray absorptiometry (DXA) measurement was not performed, reason not otherwise specified (3095F <i>with</i> 8P)		
	<u>OR</u> Performance Not Met:	Pharmacologic therapy for osteoporosis was not prescribed, reason not given (G8635)		

RATIONALE:

Osteoporosis is the most common metabolic bone disease and is characterized by low bone mineral density and structural deterioration of bone tissue, causing bone fragility and increasing the risk of fractures (National Institute of Health, 2017). It is estimated that by 2020, approximately 11.9 million people age 50 and older will have osteoporosis (Wright et al., 2014). Osteoporosis affects about 25% of women age 65 and older (Looker et al., 2017).

The cost of osteoporosis-related fractures to patients, families and the health care system is \$19 billion annually. Experts predict that by 2025 osteoporosis will be responsible for 3 million fractures annually, resulting in \$25.3 billion in costs (National Osteoporosis Foundation, 2015). The aging U.S. population is likely to increase the financial cost of osteoporosis care.

Each year, there are approximately 1.5 million osteoporotic fractures in the United States (Black & Rosen, 2016). Fragility fractures (fractures from falls from a standing position) are considered one of the most serious warning signs of osteoporosis or low bone density. Individuals who experience a fragility fracture have a 1.5-to 9.5-fold increased risk of further fracture (Posen et al., 2013). Osteoporosis related fractures can occur in the hip, vertebrae, shin, and other bones. Hip fractures have been linked to lower quality of life, increased mortality and a dependent living status (Posen et al., 2013). A review of the Health and Retirement Study (study period between 1992 and 2010) indicated that 27% of adults age 50 and older died 1 year after a hip fracture (Cenzer et al., 2016).

Pharmacologic treatment can reduce the risk of subsequent fractures by 30%–50%. Unfortunately, testing and treatment for low bone mass after fracture has been shown to be as low as 20% (National Institute of Health, 2017). This and other research suggests a large opportunity for organizations to improve how well they manage women at an increased risk for fracture. The organization can improve its performance on this measure by both educating practitioners on follow-up care after fracture and by tracking administrative data for the occurrence of fracture and following up to ensure that appropriate care was provided.

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National Institutes of Health. 2017. Osteoporosis: Overview. National Institute of Arthritis and Musculoskeletal and Skin Disorders (NIH NIAMS). https://www.bones.nih.gov/health-info/bone/osteoporosis/overview

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Looker, A.C., N.S. Isfahani, B. Fan, and J.A. Shepherd. 2017. "Trends in Osteoporosis and Low Bone Mass in Older US Adults, 2005–2006 Through 2013–2014." Osteoporosis International 28(6), 1979–88. National Osteoporosis Foundation. 2015. Osteoporosis Fast Facts. https://cdn.nof.org/wp-content/uploads/2015/12/Osteoporosis-Fast-Facts.pdf

Black, D.M., and C.J. Rosen. 2016. "Postmenopausal Osteoporosis." New England Journal of Medicine 374(3), 254–62.

Posen, J., D.E. Beaton, J. Sale, and E.R. Bogoch. 2013. "Bone Mineral Density Testing After Fragility Fracture: Informative Test Results Likely." Canadian Family Physician 59(12), E564–71.

Cenzer, I.S., V. Tang, W.J. Boscardin, A.K. Smith, C. Ritchie, M.I. Wallhagen, R. Espaldon, and K.E. Covinsky. 2016. "One-Year Mortality After Hip Fracture: Development and Validation of a Prognostic Index." Journal of the American Geriatrics Society 64(9), 1863–8.

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).

REFERENCE:

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

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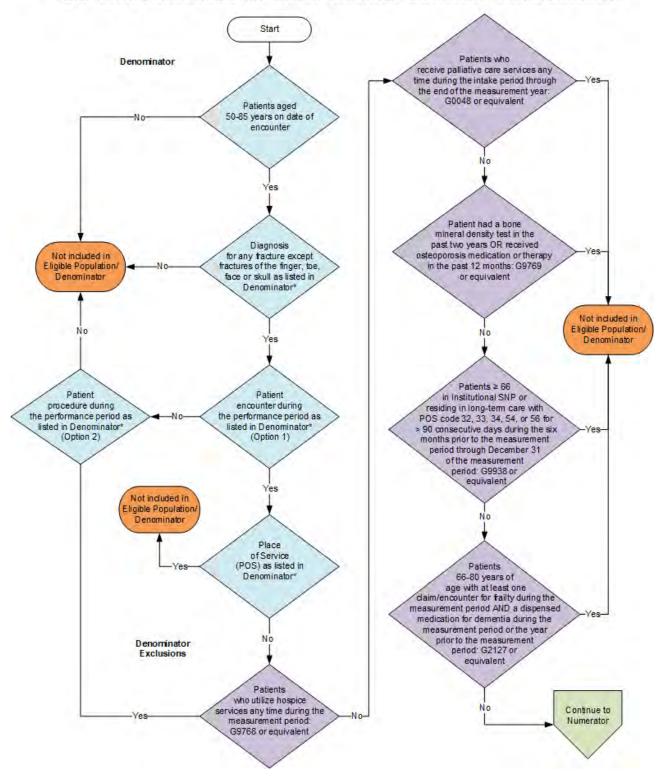
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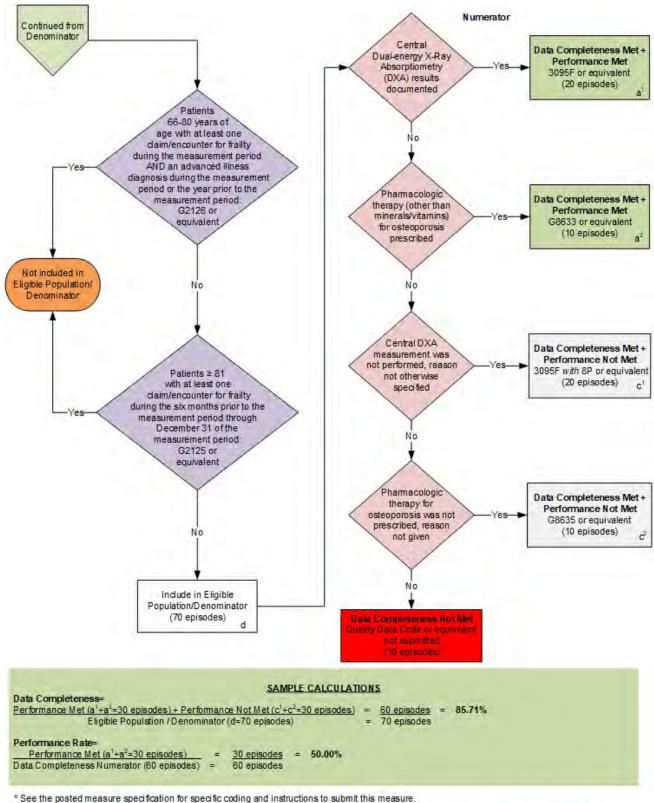
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2025 Clinical Quality Measure Flow for Quality ID #418 (CBE 0053): Osteoporosis Management in Women Who Had a Fracture

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





NOTE : Submission Frequency: Episode

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2025 Clinical Quality Measure 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) as listed in Denominator*.
- 5. Check Place of Service (POS) as listed in Denominator*:
 - a. If *Place of Service (POS) as listed in Denominator** equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Place of Service (POS) as listed in Denominator** equals No, proceed to check *Patients who utilize hospice services any time during the measurement period.*
- 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 procedure during the performance period as listed in Denominator* (Option 2) equals Yes, proceed to check Patients who utilize hospice services any time during the measurement period.
- 7. 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, do not include in Eligible *Population/Denominator*. Stop processing.
 - b. If Patients who utilize hospice services any time during the measurement period equals No, proceed to check Patients who receive palliative care services any time during the intake period through the end of the measurement year.

- 8. Check Patients who receive palliative care services any time during the intake period through the end of the measurement year.
 - a. If Patients who receive palliative care services any time during the intake period through the end of the measurement year equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If Patients who receive palliative care services any time 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.
- 9. 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, do not include in *Eligible Population/Denominator*. Stop processing.
 - 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 aged 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.
- 10. Check Patients aged 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 aged 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, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If Patients aged 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 equals No, proceed to check Patients 66 to 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.
- 11. Check Patients 66 to 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 to 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, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If Patients 66 to 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 No, proceed to check Patients 66 to 80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period.
- 12. Check Patients 66 to 80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the

measurement period:

- a. If Patients 66 to 80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
- b. If Patients 66 to 80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals No, proceed to check Patients aged 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.
- 13. Check Patients aged 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:
 - a. If Patients aged 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 equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If Patients aged 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 equals No, include Eligible Population/Denominator.
- 14. 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 70 episodes in the Sample Calculation.
- 15. Start Numerator
- 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 a¹ 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 in the Sample Calculation listed at the end of this document. Letter a² equals 10 episodes in 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 c¹ 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 c² 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:
 - a. If *Data Completeness Not Met*, the Quality Data Code or equivalent was not submitted. 10 episodes have been subtracted from the Data Completeness Numerator in the Sample Calculation.

Sample Calculations

Data Completeness equals Performance Met (a¹ plus a² equals 30 episodes) plus Performance Not Met (c¹ plus c² equals 30 episodes) divided by Eligible Population/Denominator (d equals 70 episodes). All equals 60 episodes divided by 70 episodes. All equals 85.71 percent.

Performance Rate equals Performance Met (a¹ plus a² equals 30 episodes) divided by Data Completeness Numerator (60 episodes). All equals 30 episodes divided by 60 episodes. All equals 50.00 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.