**2022 COLLECTION TYPE:**
MEDICARE PART B CLAIMS

**MEASURE TYPE:**
Process

**DESCRIPTION:**
Percentage of women 50 - 74 years of age who had a mammogram to screen for breast cancer in the 27 months prior to the end of the measurement period

**INSTRUCTIONS:**
This measure is to be submitted a minimum of once per performance period for female patients seen during the performance period. There is no diagnosis associated with this measure. The patient should either be screened for breast cancer on the date of service OR there should be documentation that the patient was screened for breast cancer at least once within 27 months prior to the end of the performance period. Performance for this measure is not limited to the performance period. This measure may be submitted by Merit-based Incentive Payment System (MIPS) eligible clinicians who perform the quality actions described in the measure based on services provided and the measure-specific denominator coding.

**NOTE:** Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 95, or POS 02 modifiers) 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.

**DENOMINATOR:**
Women 51 - 74 years of age with a visit during the measurement period

**DENOMINATOR NOTE:** The intent of the measure is that starting at age 50 women should have one or more mammograms every 24 months with a 3 month grace period. 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 exclusion allows clinicians to engage in shared decision making with patients about the benefits and risks of screening when an individual has limited life expectancy.

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

**Denominator Criteria (Eligible Cases):**
Patients 51 to 74 years of age at the beginning of the measurement period

AND

Patient encounter during the performance period (CPT or HCPCS): 99202, 99203, 99204,
NUMERATOR:
Women with one or more mammograms during the 27 months prior to the end of the measurement period

Definition:
Mammography screening is defined by a bilateral screening (both breasts) of breast tissue. If only one breast is present, unilateral screening (one side) must be performed on the remaining breast.

Numerator Instructions:
This measure evaluates primary screening. Do not count biopsies, breast ultrasounds, or MRIs because they are not appropriate methods for primary breast cancer screening.

Numerator Note: Patient reported mammograms, when recorded in the medical record, are acceptable for meeting the numerator.

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

Numerator Quality Data Coding Options:
Mammogram not Performed, Patient not Eligible
Denominator Exclusion: G9708:
Women who had a bilateral mastectomy or who have a history of a bilateral mastectomy or for whom there is evidence of a right and a left unilateral mastectomy

OR
Patient receiving Hospice Services, Patient Not Eligible
Denominator Exclusion: G9709:
Hospice services used by patient any time during the measurement period

OR
Patient receiving Palliative Care Services, Patient Not Eligible
Denominator Exclusion: G9992:
Palliative care services used by patient any time during the measurement period

OR
Patient age 66 or older in Institutional Special Needs Plans (SNP) or residing in long-term care facility, Patient Not Eligible
Denominator Exclusion: G9898:
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 measurement period

OR
G2098:
Patients 66 years of age and older 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
G2099:
Patients 66 years of age and older 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

<table>
<thead>
<tr>
<th>Table: Dementia Exclusion Medications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>Cholinesterase inhibitors</td>
</tr>
<tr>
<td>Miscellaneous central nervous system agents</td>
</tr>
</tbody>
</table>

- **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, E0446, 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, T1002, T1003, T1004, T1005, T1019, T1020, T1021, T1022, T1023, T1030, T1031, U89.000, U89.001, U89.002, U89.003, U89.004, U89.006, U89.009, U89.010, U89.011, U89.012, U89.013, U89.014, U89.016, U89.019, U89.020, U89.021, U89.022, U89.023, U89.024, U89.026, U89.029, U89.100, U89.101, U89.102, U89.103, U89.104, U89.106, U89.109, U89.110, U89.111, U89.112, U89.113, U89.114, U89.116, U89.119, U89.120, U89.121, U89.122, U89.123, U89.124, U89.126, U89.129, U89.130, U89.131, U89.132, U89.133, U89.134, U89.135, U89.136, U89.137, U89.138, U89.139, U89.140, U89.141, U89.142, U89.143, U89.144, U89.146, U89.149, U89.150, U89.151, U89.152, U89.153, U89.154, U89.156, U89.159, U89.200, U89.201, U89.202, U89.203, U89.204, U89.206, U89.209, U89.210, U89.211, U89.212, U89.213, U89.214, U89.216, U89.218, U89.220, U89.221, U89.222, U89.223, U89.224, U89.226, U89.229, U89.230, U89.231, U89.232, U89.234, U89.236, U89.239, U89.240, U89.241, U89.243, U89.44, U89.46, U89.500, U89.501, U89.502, U89.503, U89.504, U89.506, U89.508, U89.509, U89.510, U89.511, U89.512, U89.513, U89.514, U89.516, U89.519, U89.520, U89.521, U89.522, U89.523, U89.524, U89.526, U89.529, U89.600, U89.601, U89.602, U89.603, U89.604, U89.606, U89.609, U89.610, U89.611, U89.612, U89.613, U89.614, U89.616, U89.619, U89.620, U89.621, U89.622, U89.623, U89.624, U89.626, U89.629, U89.630, U89.631, U89.632, U89.634, U89.64, 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, W18.000X, W18.000D, W18.000S, W18.02XA, W18.02XD, W18.02XS, W18.09XD, W18.09XS, 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, W19.XXXA, W19.XXXD, W19.XXXS, W92.199, 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
Mammogram Performed  
*Performance Met: G9899:*

- Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results documented and reviewed

Mammogram not Performed, Reason not Otherwise Specified  
*Submit code G9900 to submit circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.*

*Performance Not Met: G9900:*

- Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results were not documented and reviewed, reason not otherwise specified

**RATIONALE:**

Breast cancer is one of the most common types of cancers, accounting for 15 percent of all new cancer diagnoses in the U.S. (Howlader et al, 2016). In 2015, over 3.1 million women were estimated to be living with breast cancer in the U.S. and it is estimated that 12 percent of women will be diagnosed with breast cancer at some point during their lifetime (Howlader et al, 2016).

While there are other factors that affect a woman's risk of developing breast cancer, advancing age is a primary risk factor. Breast cancer is most frequently diagnosed among women ages 55-64; the median age at diagnosis is 62 years (Howlader et al, 2016).

The chance of a woman being diagnosed with breast cancer in a given year increases with age. By age 40, the chances are 1 in 68; by age 50 it becomes 1 in 43; by age 60, it is 1 in 29 (American Cancer Society, 2017).

**CLINICAL RECOMMENDATION STATEMENTS:**

The U.S. Preventive Services Task Force (USPSTF) recommends biennial screening mammography for women aged 50-74 years (B recommendation). (USPSTF, 2016)

The decision to start screening mammography in women prior to age 50 years should be an individual one. Women who place a higher value on the potential benefit than the potential harms may choose to begin biennial screening between the ages of 40 and 49 years (C recommendation). (USPSTF, 2016)

The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of screening mammography in women aged 75 years or older (I statement). (USPSTF, 2016)

The USPSTF concludes that the current evidence is insufficient to assess the benefits and harms of digital breast tomosynthesis (DBT) as a primary screening method for breast cancer (I Statement). (USPSTF, 2016)
The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of adjunctive screening for breast cancer using breast ultrasonography, magnetic resonance imaging, DBT, or other methods in women identified to have dense breasts on an otherwise negative screening mammogram (I statement). (USPSTF, 2016)

COPYRIGHT:
Physician Performance Measure (Measures) and related data specifications were developed by the National Committee for Quality Assurance (NCQA). These performance Measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications. NCQA makes no representations, warranties or endorsements about the quality of any organization or clinician who uses or reports performance measures. NCQA has no liability to anyone who relies on measures and specifications or data reflective of performance under such measures and specifications.

The Measures are copyrighted but can be reproduced and distributed, without modification, for noncommercial purposes (eg, use by healthcare providers in connection with their practices). Commercial use is defined as the sale, licensing, or distribution of the Measures for commercial gain, or incorporation of the Measures into a product or service that is sold, licensed or distributed for commercial gain. All commercial uses or requests for alteration of the measures and specifications must be approved by NCQA and are subject to a license at the discretion of NCQA. NCQA is not responsible for any use of the Measures. © 2021 NCQA. All Rights Reserved.

THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.

Limited proprietary coding is contained in the Measure specifications for user convenience. Users of proprietary code sets should obtain all necessary licenses from the owners of the code sets. NCQA disclaims all liability for use or accuracy of any CPT or other codes contained in the specifications.

CPT® contained in the Measure specifications is copyright 2004-2021 American Medical Association. LOINC® copyright 2004-2021 Regenstrief Institute, Inc. This material contains SNOMED Clinical Terms® (SNOMED CT®) copyright 2004-2021 International Health Terminology Standards Development Organisation. ICD-10 is copyright 2021 World Health Organization. All Rights Reserved.
2022 Medicare Part B Claims Flow for Quality ID #112 (NQF 2372):
Breast Cancer Screening

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

Data Completeness=
\[ \text{Denominator Exclusion (x1 + x2 + x3 + x4 + x5 + x6 = 20 patients) + Performance Met (a = 30 patients) + Performance Not Met (c = 20 patients)} = 70\text{ patients} = 87.50\% \]

Eligible Population / Denominator (d = 80 patients)
\[ = 80\text{ patients} \]

Performance Rate=
\[ \text{Performance Met (a = 30 patients)} = 30\text{ patients} = 60.00\% \]

Data Completeness Numerator (70 patients) – Denominator Exclusion (x1 + x2 + x3 + x4 + x5 + x6 = 20 patients)
\[ = 50\text{ patients} \]

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

NOTE: Submission Frequency: Patient-Process
2022 Medicare Part B Claims Flow Narrative for Quality ID #112 (NQF 2372):
Breast Cancer Screening

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

1. Start with Denominator

2. Check Patient 51 to 74 years of age at beginning of the measurement period:
   a. If Patient 51 to 74 years of age at beginning of the measurement period equals No, do not include in Eligible Population/Denominator. Stop processing.
   b. If Patient 51 to 74 years of age at beginning of the measurement period equals Yes, proceed to Patient encounter during the performance period as listed in Denominator*.

3. Check Patient encounter during the performance period as listed in Denominator*:
   a. If Patient encounter during the performance period as listed in Denominator* equals No, do not include in Eligible Population/Denominator. Stop processing.
   b. If Patient encounter during the performance period as listed in Denominator* equals Yes, include in Eligible Population/Denominator.

4. Denominator Population:
   a. Denominator Population is all Eligible Patients in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 80 patients in the Sample Calculation.

5. Start Numerator

6. Check Women who had a bilateral mastectomy or who have a history of a bilateral mastectomy or for whom there is evidence of a right and a left unilateral mastectomy:
   a. If Women who had a bilateral mastectomy or who have a history of a bilateral mastectomy or for whom there is evidence of a right and a left unilateral mastectomy 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 x₁ equals 10 patients in Sample Calculation.
   b. If Women who had a bilateral mastectomy or who have a history of a bilateral mastectomy or for whom there is evidence of a right and a left unilateral mastectomy equals No, proceed to Hospice services used by patient any time during the measurement period.

7. Check Hospice services used by patient any time during the measurement period:
   a. If Hospice services used by patient 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 x₂ equals 10 patients in the Sample Calculation.
   b. If Hospice services used by patient any time during the measurement period equals No, proceed
to Palliative care services used by patient any time during the measurement period.

8. Check Palliative care services used by patient any time during the measurement period.
   a. If Palliative care services used by patient 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 x3 equals 10 patients in the Sample Calculation.
   b. If Palliative care services used by patient any time during the measurement period equals No, proceed to Patient greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long term care with POS code 32, 33, 34, 35, or 56 for more than 90 consecutive days during the measurement period.

9. Check Patient greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long term care with POS code 32, 33, 34, 35, or 56 for more than 90 consecutive days during the measurement period:
   a. If Patient greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long term care with POS code 32, 33, 34, 35, or 56 for more than 90 consecutive days 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 x4 equals 0 patients in Sample Calculation.
   b. If Patient greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long term care with POS code 32, 33, 34, 35, or 56 for more than 90 consecutive days during the measurement period equals No, proceed to Patient greater than or equal to 66 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or year prior to measurement period.

10. Check Patient greater than or equal to 66 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or year prior to measurement period:
    a. If Patient greater than or equal to 66 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or year prior to 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 x5 equals 0 patients in the Sample Calculation.
    b. If Patient greater than or equal to 66 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or year prior to measurement period equals No, proceed to Patient greater than or equal to 66 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 measurement period or year prior to the measurement period.

11. Check Patient greater than or equal to 66 with at least one claim/encounter for frailty during the measurement period.
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 measurement period or year prior to the measurement period:

a. If Patient greater than or equal to 66 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 measurement period or 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 equals 0 patients in the Sample Calculation.

b. If Patient greater than or equal to 66 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 measurement period or year prior to the measurement period equals No, proceed to Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results documented and reviewed.

12. Check Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results documented and reviewed:

a. If Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results documented and reviewed 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 equals 30 patients in Sample Calculation.

b. If Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results documented and reviewed equals No, proceed to Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results not documented and reviewed, reason not otherwise specified.

13. Check Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results not documented and reviewed, reason not otherwise specified:

a. If Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results not documented and reviewed, reason not otherwise specified equals Yes, include in the 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 equals 20 patients in the Sample Calculation.

b. If Screening, diagnostic, film, digital or digital breast tomosynthesis (3D) mammography results not documented and reviewed, reason not otherwise specified equals No, proceed to check Data Completeness Not Met.

14. Check Data Completeness Not Met:

a. If Data Completeness Not Met, the Quality Data Code was not submitted. 10 patients have been subtracted from the Data Completeness Numerator in the Sample Calculation.
**Sample Calculations:**

Data Completeness equals Denominator Exclusion (x1 plus x2 plus x3 plus x4 plus x5 plus x6 equals 20 patients) plus Performance Met (a equals 30 patients) plus Performance Not Met (c equals 20 patients) divided by Eligible Population/Denominator (d equals 80 patients). All equals 70 patients divided by 80 patients. All equals 87.50 percent.

Performance Rate equals Performance Met (a equals 30 patients) divided by Data Completeness Numerator (70 patients) minus Denominator Exclusion (x1 plus x2 plus x3 plus x4 plus x5 plus x6 equals 20 patients). All equals 30 patients divided by 50 patients. All equals 60.00 percent.

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

NOTE: Submission Frequency: Patient-process

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.