## Measure: mammov76_v3.2

### Client

HEALTH BENCHMARKS, INC. STANDARD ALGORITHM
*Implemented for Blue Cross Blue Shield of Texas*

### Measure Title

BREAST CANCER SCREENING

### Disease State

<table>
<thead>
<tr>
<th>Strength of Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (50 to 69)</td>
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<tr>
<td>B (40 to 49)</td>
</tr>
</tbody>
</table>

### Organizations Providing Recommendation

- American Academy of Family Physicians
- American Cancer Society
- American College of Obstetricians and Gynecologists
- American College of Preventive Medicine
- American College of Radiology
- American Medical Association
- Canadian Task Force on Preventive Health Care
- US Preventive Services Task Force

### Clinical Intent

To ensure that all eligible women age 40-69 receive a mammography screening test during the measurement year or year prior.

### Physician Specialties

- Family Practice, Geriatric Medicine, Internal Medicine, Obstetrics-Gynecology

### Background

**Disease Burden**

- In women, breast cancer is the second leading cause of cancer death, behind death from lung cancer.[1]
- Beginning in the fourth decade of life, the risk of breast cancer increases with age.[2]

**Reason for Indicated Intervention or Treatment**

- Screening for breast cancer with mammography every 12-33 months significantly reduces mortality from breast cancer.[3]

**Evidence Supporting Intervention or Treatment**

- Among women younger than 50, a meta-analyses conducted by USPSTF found a 15 percent decrease in breast cancer mortality after 14 years of observation (RR 0.85, 95% CI 0.73-0.99).[2]
- Eight randomized, controlled trials have been conducted on breast cancer screening, all using mammography with or without clinical breast examination.[4-15] Screening mammography was associated with a 9% to 32% reduction in breast cancer mortality.[2] In their meta-analysis, the United States Preventive Services Task Force (USPSTF) found that the relative risk of breast cancer death among women of all ages randomized to screening was 0.84 (95% CI, 0.77-0.91).[2]
• One study, using a Markov model to compare the life expectancy of women undergoing different breast cancer screening strategies, found that the cost-effectiveness ratios were $21,400 for women 50 to 69 years of age and $105,000 for women in their 40s per year of life saved. Both are in an accepted range for cost-effectiveness.[16]

Clinical Recommendations

• In its second edition, the USPSTF recommended screening for breast cancer in women over the age of 50 every 1-2 years.[17]
• In its third edition, the USPSTF recommends screening for breast cancer in women over age 40 every 1-2 years. They note that the evidence for screening in all women over age 50 to 69 is stronger than for those women in other age groups.[3]
• Several organizations support screening with mammography starting at age 50: The Canadian Task Force on Preventive Health Care, and the American College of Preventive Medicine.[18-20]
• Other organizations support screening with mammography and clinical breast exam starting at age 40: the American Medical Association, the American College of Obstetricians and Gynecologists, the American College of Radiology, the American Cancer Society, and National Comprehensive Cancer Network.[21-26]

Source
Healthcare Effectiveness Data and Information Set (HEDIS®) 2008 Technical Specification

Denominator Definition
Women ages 42-69 years

Denominator Codes
N/A

Denominator Exclusion Definition
Members with 2 unilateral mastectomies or a bilateral mastectomy.

Denominator Exclusion Codes
Unilateral mastectomies
CPT-4 code(s): 19180, 19200, 19220, 19240, 19303-19307
ICD-9 surgical proc code(s): 85.41, 85.43, 85.45, 85.47

Bilateral mastectomy
ICD-9 surgical proc code(s): 85.42, 85.44, 85.46, 85.48
CPT-4 code(s): 19180, 19200, 19220, 19240, 19303-19307
CPT-4 modifier code(s): .50*, 09950*

*Note: .50 and 09950 modifier codes indicate the procedure was bilateral and performed during the same operative session.

Numerator
Members who received at least 1 mammogram.
Definition

Numerator Codes

**Mammogram**
CPT-4 code(s): 76083, 76090-76092, 77055-77057
ICD-9 diagnosis code(s): V76.11, V76.12
ICD-9 surgical proc code(s): 87.36, 87.37
HCPCS code(s): G0202
UB revenue code(s): 0403

Physician Attribution Description

If client data does not contain PCP:
Score all physicians (in the selected specialties) who saw the member during the measurement year.

If client data contains PCP:
Score all primary care physicians who were assigned to the member during the measurement year.

References