Breast Cancer Screening for Women Not at Increased Risk

Guideline Recommendations

For women aged 40–49 years: we conditionally recommend not screening women who are not at increased risk with mammography.

- The balance of benefits and harms is less favourable for women of this age than for older women.
- This recommendation is conditional because some women may wish to be screened as every woman has individual values and preferences and places different importance on benefits and harms of screening.
- If women in this age group wish to be screened, they should have a discussion with their health care provider about their preferences.

FAQ’s

Who do these recommendations not apply to?

These recommendations don’t apply to women who are at increased risk of breast cancer, such as those with a personal or family history of breast cancer, carriers of specific gene mutations (or who have a mother, sister, or daughter with these mutations), or chest radiation therapy before 30 years of age.

What is screening?

Screening is done to attempt to detect potential disease or illness in people who do not have any signs or symptoms of disease.

What is a mammogram?

It is an x-ray of the breast(s) to identify potential cancer.

Why is shared decision making important?

Screening is a personal decision. It is important to understand and weigh the benefits and harms for women in your age group (as shown below) with your health care provider. This will help you get a better understanding of the issues so that you can decide what is best for you.
Harms, Benefits and Prioritization of Screening

<table>
<thead>
<tr>
<th>Explanation of benefits and harms</th>
<th>For you, how important are the following issues?</th>
<th>Rates</th>
<th>Not Important</th>
<th>Very Important</th>
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<tbody>
<tr>
<td><strong>Benefit</strong></td>
<td>There is evidence that shows that screening lowers a woman’s risk of dying from breast cancer.</td>
<td>Finding cancer early in hopes of treating sooner than later.</td>
<td>Less than 1 life saved per 1000 women screened over 7 years.</td>
<td>☐ ☐ ☐ ☐ ☐</td>
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<td><strong>Harm</strong></td>
<td>False positives: A false positive test occurs in someone who tested positive (abnormal mammography) but who does not have cancer. It can lead to additional testing, including biopsy, and may cause psychological and physical harm.</td>
<td>Having follow up tests if you screen positive when there is no cancer present.</td>
<td>False positive rate: about 300 per 1000 women screened over 7 years.</td>
<td>☐ ☐ ☐ ☐ ☐</td>
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<td><strong>Harm</strong></td>
<td>Overdiagnosis: With screening, some women will be diagnosed with a cancer that would not have caused them a problem in their lifetime; this is called ‘overdiagnosis’ and leads to unnecessary treatment (overtreatment).</td>
<td>Being diagnosed and treated with a cancer that never would have harmed you.</td>
<td>Overdiagnosis: 3 women per 1000 screened.</td>
<td>☐ ☐ ☐ ☐ ☐</td>
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<td><strong>Other</strong></td>
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Any other questions you would like to ask that have not been answered?

What is your decision about screening?

☐ I would like to get screened
☐ I do not want to get screened
☐ I remain undecided