Breast Cancer Basics and What You Need to Know About Screening

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"1 in 8" women will get breast cancer- if we live till age 90

Age	Odds
20	1 in 1,732
30	1 in 228
40	1 in 69
50	1 in 43
60	1 in 29
70	1 in 26

What are your odds of developing invasive breast cancer in the next 10 years?

Risk factors for breast cancer

Factors you cannot control

- Genetic Mutation
- Chest Wall Radiation
- Dense Breast Tissue
- Ashkenazi Ancestry
- Family History
- Previous Atypical Cells
- Early Menstruation
- ▶ Late Menopause
- No children

Factors you can control

- Combined hormone therapy
- Dietary: fat
- Alcohol consumption
- Lack of exercise
- Smoking
- Excess body weight

New alcohol guidelines: less is best

- The Canadian Centre on Substance Use and Addiction (CCSA) issued new guidelines
- Thousands of studies in last decade link even small amounts of alcohol to several types of cancer
- ► The new recommendations lay out a continuum of risk: more than two drinks a week is risky.
- ▶ 3 6 drinks per week increases risk of developing cancers, including colorectal and breast
- More than 7 drinks per week also increases risk of heart disease and stroke.



Prevention



- 68% of breast cancers
 PREVENTABLE if a healthy lifestyle started in CHILDHOOD
- ▶ 50% of breast cancers PREVENTABLE if a healthy lifestyle started in MIDLIFE
- ▶ 20% LOWER RISK by walking 30 minutes each day
- ▶ 10% LOWER RISK if an overweight woman loses 10 lbs
- ➤ 50% LOWER RISK if an overweight woman loses 20 lbs

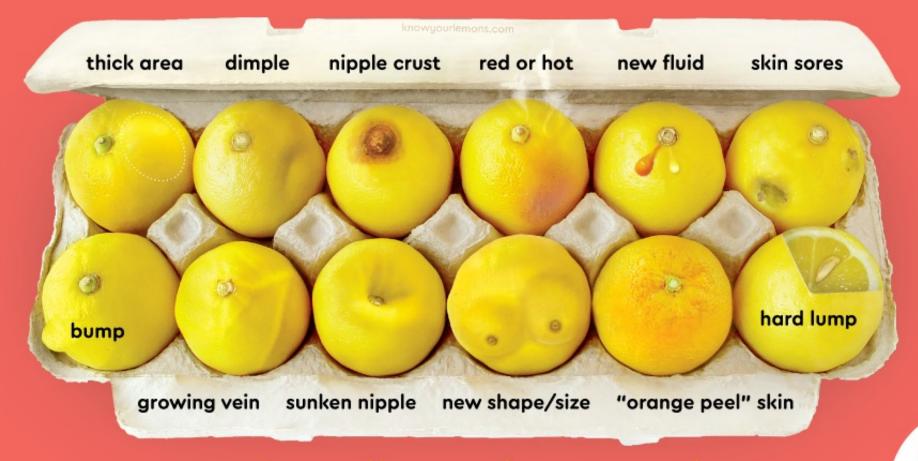
85% of breast cancers occur in women without a family history

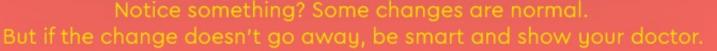
- ► A woman's risk of breast cancer nearly doubles if she has a first-degree relative (mother, sister, daughter) who has been diagnosed with breast cancer.
- Less than 15% of women who get breast cancer have a family member diagnosed with it.



Myth:
Breast cancer
always causes a
lump you can feel

What breast cancer can look + feel like:





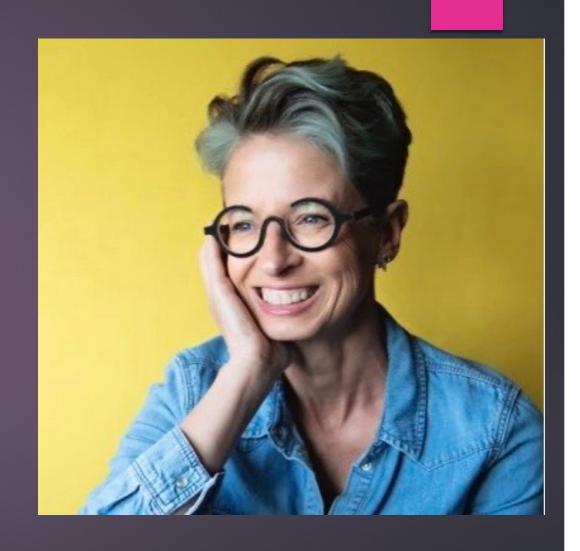
KNOWYOUR



Breast self-examination

https://www.youtube.com/watch?v =Lib0q4zdutk

https://www.youtube.com/shorts/b L0BR7i35Z0



Why do we screen for cancer?

- ► To find cancer as early as possible, often years before it's big enough to feel or see
- ► To save lives by finding and treating the disease earlier
- ► When cancer is found earlier, women can often be successfully treated with less aggressive therapy

Early detection impacts survival

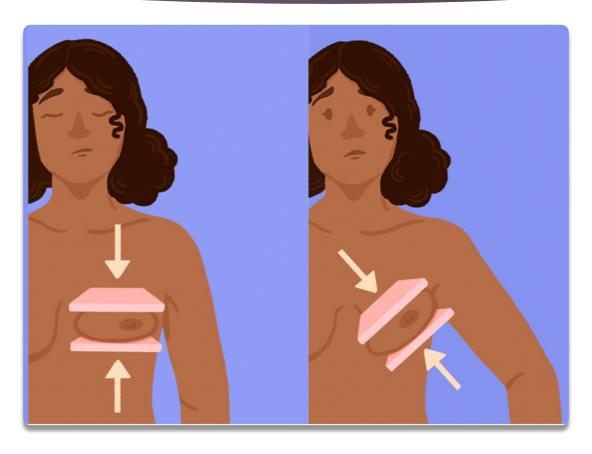
Stage 1: 99.8 %

Five-year survival rate

Stage 4: 23.2 %

Five-year survival rate

What to expect during a mammogram

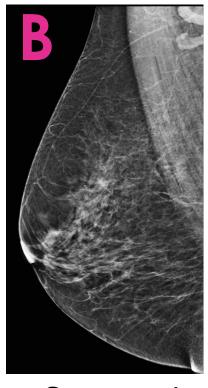


https://www.verywellhealth.com/mammogram-what-to-expect-430283

BI-RADS density categories



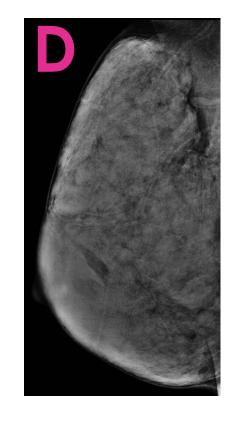
Fatty



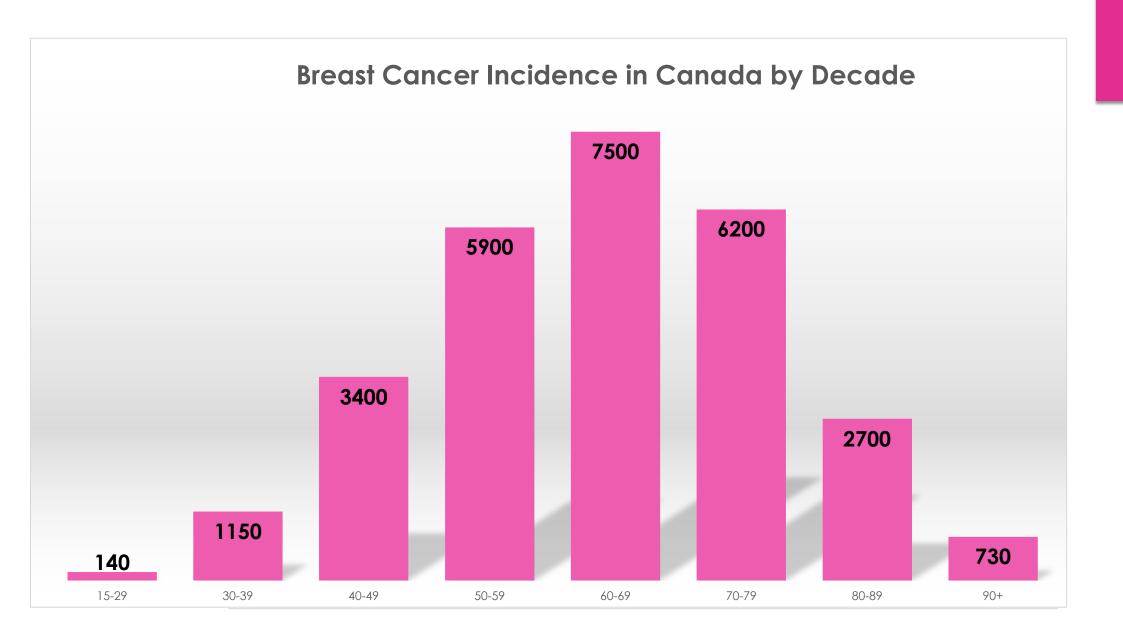
Scattered Densities



Heterogeneously Dense



Extremely Dense



https://cdn.cancer.ca/-/media/files/research/cancer-statistics/2021

Resources

- Dense Breasts Canada Densebreastscanada.ca
- My Breast Screening Mybreastscreeening.ca
- ► **Guide to Breast Screening in Canada** https://mybreastscreening.ca/wp-content/uploads/2021/09/Guide-to-Screening-in-Canada.pdf
- Self-Advocacy Guide https://densebreastscanada.ca/wp-content/uploads/2022/09/Advocacy-Toolkit.pdf
- How to examine your breasts by Dr. Liz
 O'Riordan https://www.youtube.com/watch?v=Lib0q4zdutk
- Know Your Lemons App Knowyourlemons.org
- Risk Calculator https://ibis.ikonopedia.com/