





How Young is "Too Young"?

- Most medical journals and scientific papers regarding breast cancer in younger women refer to persons between the ages of 15-39
- Other documentation refers to women up to the age of 45
- Information regarding the term "young women" is subjective



2





Statistics: Breast Cancer in Young Women

- About 9% of all new cases of breast cancer are found in women **under 45**
- Younger people, particularly those **under 35** at the time of their original breast cancer diagnosis, face a higher risk of breast cancer recurrence



6

5

Statistics: Breast Cancer in Young Women

- In Canada:
 - From 1984 to 2019, there as a relative increase of 18% in breast cancer found in women between the ages of 30 to 39
- In the US between 2010 and 2019:
 - Breast cancer among people aged 30 to 39 increased 19.4%
 - Breast cancer among people aged 20-29 increased 5.3%

Statistics: Breast Cancer in Young Women

- Each year, approximately 85,980 men and women ages 15 to 39 are diagnosed with cancer in the US
- In this age group (15-39), breast cancer is the most common cancer diagnosed





8

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Ethnicity and Breast Cancer Incidence

- Note incidence rates of breast cancer among non-Hispanic white patients are just slightly higher than non-Hispanic black patients, but overall similar
- Black women have 40% higher breast cancer death rates than white women despite lower incidence rates

	Race and ethnicity	Lifetime risk of breast cancer
	Non-Hispanic White	14%
Ý	Non-Hispanic Black	12%

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Ethnicity and Breast Cancer Mortality

- In the US alone, there are estimated to be over 42,000 breast cancer related deaths (all ethnic backgrounds)
- Among women under 50, the disparity is even greater: While young women have a higher incidence of aggressive cancers, young Black women have double the mortality rate of young white women

• Black women have a higher risk of triple-negative breast cancer, more than any other racial or ethnic group

14

Breast Cancer and Pregnancy

- More women are delaying their first pregnancy
- Getting pregnant for the first time at age 35 or later is a risk factor for breast cancer
- Breast cancer occurs I in every 3,000 pregnancies

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Breast Cancer and Pregnancy

- Breast cancer is the most common form of cancer in women who are pregnant or have recently given birth
- An estimated 30% or more of all breast cancer in young women is diagnosed in the few years after a woman has had a baby







17

Other Factors Contributing to Risk

- Immediate family member diagnosed with breast cancer before age 45
- When patient has less than one close relative diagnosed with breast cancer
- Male relative diagnosed with breast cancer



18

Other Factors Contributing to Risk Patient has a close relative diagnosed with ovarian cancer Ashkenazi Jewish heritage Radiation therapy to the breast or chest during childhood or early adulthood

Other Factors Contributing to Risk

- Personal history of breast cancer or certain other breast abnormalities: LCIS , DCIS, ADH, or ALH
- Li-Fraumeni syndrome, Cowden syndrome, or Bannayan-Riley-Ruvalcaba syndrome, or have had a first-degree relatives with one of these syndromes
- Dense breast tissue



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Dense Breast Tissue More and more patients are learning about dense tissue, and may already know that they have it: • They don't often know exactly what it is • Or what it means in terms of screening

22







Social Groups and Breast Cancer Incidence

Lesbian and bisexual women have a higher risk of breast cancer due to the prevalence of other risk factors:

- Fewer childbirths
- Higher alcohol use
- Excess body weight



26

Social Groups and Breast Cancer Incidence

- Transgender women have an increased risk during hormone treatment compared to cisgender men
- Transgender men have a higher risk of breast cancer compared to cisgender men

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Social Groups and Breast Cancer Incidence

- 10% higher breast cancer risk among bisexual women and 6% higher risk among lesbian women compared to heterosexual cisgender women
- Data mixed, but transgender women appear to be at an increased risk during hormone treatment compared to cisgender men



















Group	Start/Frequency	End
ACR & SBI	Risk Assessment by 25 / screening annually at age 40	No end, as long as in good health
NCCN	Risk Assessment by 25 / screening annually at age 40	No end, as long as in good health
ACOG	Start age 40 / screening 1-2 years	Until at least age 75
ACS	Start btwn 40-44, annual option, 45- 54 annually, 55+ screen1-2 years	Healthy w/ life expectancy 10+ yrs
USPSTF	40 / screen every 2 years	74
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Current Screening Guidelines

- Based on risk factors such as personal history, breast density and others
- Your patient may benefit from starting screening mammography, US, MRI, etc. earlier than age 40!



41



ACR Recommendations on Risk Assessment

Updated May 3, 2023:

"All women especially Black and Ashkenazi Jewish women who are considered high risk, should have a breast cancer risk assessment by the of age 25 to determine if they need to start regular screening earlier than age 40."



3 Commonly Used Risk Assessment Models

- Gail
- Tyrer-Cuzick
- Breast Cancer Surveillance Consortium (BCSC)



Gail Model

- Uses personal medical and reproductive history
- History of first-degree relatives
- Able to estimate the risk of developing invasive breast cancer over the next 5 years and up to age 90



45



Breast Cancer Surveillance Consortium (BCSC)

- Offers a 5-year risk calculation
- Not effective in measuring risk of women under 35 or with a previous dx of breast cancer



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Limited Research and Underrepresentation

- Younger women remain underrepresented in many research studies
- Breast cancer occurs at a much lower rate among young adults than in our older counterparts



How Can You Help?

- Get and Stay Educated!
 - Recommendations and guidelines change
 - Ensure your facility is ahead in reporting requirements
- Talk to your family, friends, patients and colleagues about breast cancer risk factors, signs and symptoms



How Can You Help?

- Bust the myths!
- Know your facility's resources
- Support organizations



Myth vs. Fact If you don't tell your patient, they may never hear the facts... before it's too late: • Discuss screening guidelines • Talk about risk assessment • Talk about what it means to have dense breasts • Talk about the importance of self Breast Exams (SBE) • No family history does <u>not</u> mean your patient isn't at risk

Educational Materials

- Educate yourself on what materials your facility offers or needs
- Create educational content in multiple patient languages
- Education on breast density



Support Organizations for Young Adults

- Supportorgs.cancer.gov
- StupidCancer.org
- Young Survival Coalition
- Cactus Cancer Society
- Living Beyond Breast Cancer
- Social Media Groups
- Annual Conferences, retreats and YA recreational activities









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