ScreenWise Provider Genetic Resources

Hereditary Breast and Ovarian Cancer (HBOC) Syndrome

October 2019

In this resource you will find:

ScreenWise Requires Use of Evidence-Based Clinical Guidelines

Evidence-based clinical guidelines such as NCCN and USPSTF can help identify:

- Patients who are at risk of having hereditary breast and ovarian cancer (HBOC) syndrome
- Screening tools designed to identify a family history that may be associated with an increased risk for potentially harmful mutations in breast cancer susceptibility genes (e.g. BRCA1 or BRCA2)
- Patients who fit referral criteria for cancer genetic services (genetic counseling and if medically appropriate and desired by the patient, BRCA genetic testing) and
- Patients who fit criteria for BRCA testing.

NCCN guidelines:

National Comprehensive Cancer Network (NCCN) guidelines for *Genetic/Familial High- Risk Assessment: Breast and Ovarian* identify criteria for:

1. Referral to cancer genetic services
    a. page BR/OV-1&2, 'Criteria for Further Genetic Risk Evaluation'
2. BRCA testing
    a. page BRCA-1&2, 'BRCA1/2 Testing Criteria'

Check for the current version at www.nccn.org; registration is free and required.

USPSTF recommendations:

The U.S. Preventive Services Task Force (USPSTF) Final Recommendation Statement on *BRCA-Related Cancer: Risk Assessment, Genetic Counseling, and Genetic Testing*.

- The USPSTF recommends that primary care clinicians assess women with a personal or family history of breast, ovarian, tubal, or peritoneal cancer or who have an ancestry associated with breast cancer susceptibility 1 and 2 (BRCA1/2) gene mutations with an appropriate brief familial risk assessment tool.
    - Women with a positive result on the risk assessment tool should receive genetic counseling and, if indicated after counseling, genetic testing.
- For the Full Recommendation Statement, including the recommended tools to assess risk, go to: https://www.uspreventiveservicestaskforce.org/Page/Document/UpdateSummaryFinal/brca-related-cancer-risk-assessment-genetic-counseling-and-genetic-testing1

What Cancer Genetic Services Does ScreenWise Cover?

Clinicians should refer all ScreenWise patients found to be at risk of having hereditary breast and ovarian cancer (HBOC) syndrome* for cancer genetic services at a ScreenWise-approved genetics clinic.

- See page 7 of our ScreenWise Provider Genetic Resources document or the Genetics Resources page of our website (www.healthoregon.org/screenwise) for the list of ScreenWise-approved genetics clinics.

1 Genetic Counseling:

ScreenWise will cover up to two hours of pre- and post-test genetic counseling. Please be clear in the referral to the genetics clinic that your patient is a ScreenWise patient. The genetic clinic that provides genetic services will bill ScreenWise directly.

➡ **BRCA testing after referral to HBOC genetic counseling:**

- If medically appropriate and desired by your patient, the clinic that provides genetic counseling will order the right BRCA test.
  - The clinic providing genetic counseling will let the genetic testing lab know that the patient is a ScreenWise patient.
  - The genetic testing lab conducting the BRCA test will bill ScreenWise directly.

2 BRCA Testing:

When you identify a patient as being at risk of having HBOC syndrome* and they decline referral to cancer genetic counseling, please use NCCN* guidelines to decide if BRCA testing is medically appropriate.

➡ If BRCA testing is medically appropriate and desired by your patient, you may discuss hereditary cancer and HBOC with your patient and offer BRCA testing.

- Be clear in the BRCA test order that the patient is a ScreenWise patient.
  - The genetic testing lab will bill ScreenWise directly for the tests.
  - BRCA test kits can be ordered through Ambry Genetics (https://www.ambrygen.com/), GeneDx (https://www.genedx.com/), Invitae (https://www.invitae.com), and Myriad (https://myriad.com/).

*National Comprehensive Cancer Network (NCCN) guidelines for *Genetic/ Familial High-Risk Assessment: Breast and Ovarian* have criteria for:

- Referral to cancer genetic services (page BR/OV-1&2, *Criteria for Further Genetic Risk Evaluation*), and
- BRCA Testing (page BRCA-1&2, *BRCA1/2 Testing Criteria*).

Check for the current version at www.nccn.org; registration is free and required.

Genetic Risk Assessment & Identification of Patients at Risk for HBOC

Genetic risk assessment is a way to identify individuals who are at risk for a genetic condition, such as hereditary breast and ovarian cancer (HBOC) syndrome.

When evidence-based guidelines, such as those from NCCN and USPSTF, identify a patient as being at risk for HBOC syndrome, then it is crucial to refer them to cancer genetic services (genetic counseling, and if medically appropriate and desired by the patient, BRCA testing).

Why Ask Cancer and Ashkenazi Ancestry Patient Intake Packet Questions?

ScreenWise includes the following two questions on the **Patient Intake Packet** to help identify which of your patients may be at risk of having HBOC syndrome.

1. Have you or any of your close blood related relatives, ever been diagnosed with the following cancers: breast, fallopian tube, male breast, melanoma, ovarian, pancreatic, peritoneal, or prostate?

   Why ask this? These cancers are associated with HBOC syndrome. Cancer genetic services can help your patient understand their personal cancer risk and take steps to reduce their risk as well as identify early any cancer that develops.

2. Are you of Ashkenazi Jewish origin?

   Why ask this? Some populations have higher rates of certain mutations. For example, one out of every 40 Ashkenazi Jewish people carries a harmful mutation in a BRCA gene, which is 10 times higher than the rate in the general population.

How to Use Genetic Risk Assessment Tools:

Genetic risk assessment tools can help identify patients at risk of having HBOC syndrome and who are therefore appropriate for referral to cancer genetic services.

Each tool will have a different referral rate, based on the tool's criteria. **Each tool has limitations and, unlike the guidelines, will not have 100% sensitivity or specificity.**

If your clinic uses genetic risk assessment guidelines (such as those from NCCN) and a patient fits referral criteria for cancer genetic services, **please refer**.

If your clinic uses a genetic risk assessment tool, and a patient answered 'yes' to either of the genetic screening questions, please use the tool to help decide whether to refer your patient for cancer genetic services.

- If the tool indicates that a patient is appropriate for referral, **please refer**.
- If you are not certain referral to cancer genetic services is appropriate, **please refer**.

For more information about screening tools for HBOC genetic risk assessment and referral to cancer genetic services, go to the Genetics Resources page of our website www.healthoregon.org/screenwise.

ScreenWise Genetics Decision Tree – should I refer to cancer genetic services?

ACTION: Ask **both** questions

Patient Intake Packet Q:
Have you, or any of your close blood related relatives, ever been diagnosed with the following cancers: breast, fallopian tube, male breast, melanoma, ovarian, pancreatic, peritoneal, or prostate?

No → Referral not needed

Yes → If answer is 'yes' to either or both Patient Intake Packet Questions, then ask: **Does your clinic use a genetic screening tool or guideline to help decide if your patient should be referred for HBOC cancer genetic counseling?**

Patient Intake Packet Q:
Are you of Ashkenazi Jewish origin?

Yes → If answer is 'yes' to either or both Patient Intake Packet Questions, then ask: **Does your clinic use a genetic screening tool or guideline to help decide if your patient should be referred for HBOC cancer genetic counseling?**

No → Referral not needed

No → **ACTION:** Refer to cancer genetic services

Yes → **Does the genetic screening tool or guideline indicate a referral to genetic services**?

No → Referral not needed

Yes → **ACTION:** Refer to cancer genetic services

Uncertain or unclear → **ACTION:** Refer to cancer genetic services

What is the Genetic Services Referral Process for SW Patients?

ScreenWise cancer genetic services referral:

Please refer ScreenWise patients identified to be at risk of having hereditary breast and ovarian cancer (HBOC) syndrome for cancer genetic services. Cancer genetic services include genetic counseling, and if medically appropriate and desired by the patient, BRCA genetic testing.

If you are unable to determine if a patient is at risk of having HBOC syndrome and they answered "Yes" on the Patient Intake Packet for **either** personal or family history of cancer **or** Ashkenazi Jewish origin, **please refer**.

ScreenWise is contracted with cancer genetic clinics that offer genetic counseling by board-certified genetic specialists. Counseling may occur in any of the following ways:

- Face-to-face
- In a clinic with a live video screen (like Skype)
- Over the phone

Ways for referred ScreenWise patients to access genetic counseling:

- Compass Oncology offers face-to-face genetic counseling throughout the **Portland metro area**.
- Compass Oncology offers live-video screen genetic counseling in **Eugene** at Willamette Valley Cancer Institute and Research Center (WVCIRC) for existing WVCIRC patients.
- Legacy Health offers face-to-face genetic counseling in **Portland** at the Good Samaritan Medical Center in the Comprehensive Cancer Center.
- OHSU offers telephone genetic counseling **throughout Oregon**.
- OHSU offers live-video screen genetic counseling in **Medford** at Asante.
- OHSU offers face-to-face genetic counseling at the **Portland waterfront**.
- Salem Health Cancer Institute offers face-to-face genetic counseling in **Salem**.

Location and contact details for cancer genetics clinics with board-certified genetic specialist contracted with ScreenWise are on the next page.

IMPORTANT: Before referring, please call one of the cancer genetics clinics and work with their staff to identify the best way for your clinic to refer ScreenWise patients for genetic services. The cancer genetics clinic will bill Screenwise directly. If medically appropriate and desired by your patient the board-certified genetic specialist will order BRCA genetic testing and the testing lab will bill ScreenWise directly.

These cancer genetic clinics are contracted with ScreenWise to provide genetic services for SW patients:

Location Served	Organization & Address	Clinic Providing Counseling	Appointment Phone	Counseling Method	Referral Fax
Eugene & Springfield Note: for WVCIRC established patients only	Willamette Valley Cancer Institute and Research Center, 520 Country Club Dr, Eugene, OR 97401	Compass Oncology, Genetic Risk Evaluation and Testing (GREAT) program	503-297-7403	Live video screen	503-384-9908
All Oregon Regions Note: for those with barriers to in-clinic visits	Center for Health & Healing, 3303 SW Bond Ave., 7th floor, Portland, OR 97239	OHSU, Knight Cancer Institute (KCI), Genetic Counseling and Risk Assessment	503-494-9300	Telephone	503-346-8268
Medford	Asante Rogue Regional Medical Center, Infusion Services, 2825 E. Barnett Rd., Medford, OR 97504	OHSU, KCI, Genetic Counseling and Risk Assessment	541-789-5006	Live video screen	541-789-5678
Portland metro – SW Waterfront	3303 SW Bond Ave., 7th floor, Portland, OR 97239 (Center for Health & Healing)	OHSU, KCI, Genetic Counseling and Risk Assessment	503-494-9300	Face-to-face	503-346-8268
Portland metro - NE	Compass Oncology - East, 5050 NE Hoyt St., Suite 256, Portland, OR 97213	Compass Oncology, Genetic Risk Evaluation and Testing (GREAT) program	503-297-7403	Face-to-face	503-384-9908
Portland metro - North	Compass Oncology - Rose Quarter, 265 N Broadway, Portland, OR 97227	Compass Oncology, GREAT program	503-297-7403	Face-to-face	503-384-9908
Portland metro - Tualatin	Compass Oncology - Tualatin, 19260 SW 65th Ave., Suite 435, Tualatin, OR 97062	Compass Oncology, GREAT program	503-297-7403	Face-to-face	503-384-9908
Portland metro - Vancouver	Compass Oncology - Vancouver, WA, 210 SE 136th Ave., Vancouver, WA 98684	Compass Oncology, GREAT program	503-297-7403	Face-to-face	503-384-9908
Portland metro – SW	Compass Oncology - West, 9555 SW Barnes Rd, Suite 150, Portland, OR 97225	Compass Oncology, GREAT program	503-297-7403	Face-to-face	503-384-9908
Portland metro - NW	Legacy Health, Good Samaritan Medical Center, Comprehensive Cancer Center, 1130 NW 22nd Avenue, Lower level 10, Portland, OR 97210	Legacy Genetic Services	503-413-6534 or 1-800-220-4937 Ext. 6534	Face-to-face	503-413-7962
Salem	Salem Health Cancer Institute	Cancer Genetics Program	503-814-1365	Face-to-face	503-814-1030