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Have you had genetic testing for an inherited gene mutation linked to cancer?

If so, the nonprofit organization, Facing Our Risk of Cancer Empowered (FORCE) wrote this guide to help you share your test results and other health information with your relatives. As part of the sharing process, we hope that you will give copies of this guide to your relatives, who in turn will discuss the information with their doctors to make informed decisions about their medical care.

This guide is meant to be a resource for people and families affected by cancer. The guide should not be used as medical advice.



Expert guidelines for genetic counseling and testing

According to experts, anyone who has a blood relative with a known cancercausing inherited mutation should be referred for genetic counseling and testing. This means that if you tested positive for a mutation linked to hereditary cancer, your blood relatives also qualify for genetic testing. Contacting all of your relatives may seem like a daunting task, but looking at your family tree may help you to narrow down the list of relatives who should be informed, and resources are available to help you.

Expert guidelines recommend that people meet with a genetics expert before and after genetic testing. A pretest genetic counseling appointment can help people understand all the facts they need about the benefits and

limitations of testing and clarify their medical options to make informed decisions about whether or not to proceed with genetic testing.

Why should you share?

- Inherited gene mutations affect men and women across multiple generations within families.
- Blood relatives, even distant relatives, may share the same mutation that runs in a family.
- Your relatives may not be aware of your family's medical history.
- Your relatives may not be aware of genetic testing for cancer risk.
- If you have had genetic testing, you may be in a position to provide your relatives with information that they can use to understand and manage their risk for cancer.

Experts believe that most people who have an inherited mutation are unaware and have not had genetic testing. For this reason, many genetics experts emphasize how important it is for people with an inherited mutation to share this information with all of their blood relatives

Your genetic test results may provide relatives with important clues about their own risk for cancer. Sharing your results can benefit your relatives in the following ways:

- Your test results can help your relatives make informed decisions about whether or not they wish to have genetic testing.
- Your results can help your relatives' healthcare providers decide if genetic testing is appropriate and if so, which test to order.
- If you carry a mutation and a genetic test shows that your relative does not have that mutation, their risk for cancer may not be elevated.

 If you carry a mutation and your relative tests positive for the same mutation, they will gain valuable knowledge about their risk for cancer. This may allow them to take steps to lower their risk for cancer or detect it at a more treatable stage. Such action may include counseling and cancer screening.

If you decide not to share

- If you feel that sharing your test result is a burden to your relatives, remember that keeping the information from them will not change their risk for cancer, and it may limit their options for early detection or prevention.
- You may have valid reasons to delay telling relatives until the timing is right. However, although there is no perfect time to learn about the risk for cancer, there is also no convenient time to receive a diagnosis of cancer.

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After I told my cousin, she notified all her siblings so I didn't have to.



I was afraid that the timing was not right to tell my daughter about her risk.

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Which relatives are at risk?

If you tested positive for an inherited mutation, it came from either your mother or your father. Knowing which side of the family your mutation came from, you can focus your efforts on informing relatives on that side of the family. However, if you are uncertain which parent passed the mutation on to you, and your parents are unable to be tested, you may have to inform relatives on both sides of your family. Patterns in your family medical history may help you identify which side of your family is the likely source of the mutation. The genetic counselor or doctor who ordered your genetic test can help you narrow down your list. You may also be able to enlist relatives to help you tell other relatives.

Telling young adults and minors

Expert guidelines outline the best age to begin cancer screening and prevention for each gene mutation. The cancer risks and expert recommendations vary by gene mutation and family history.

Most inherited gene mutations do not increase cancer risk in children. For these genes, experts typically recommend waiting until after age 18 before deciding about testing. However, some genes may be linked to childhood cancers; in these situations, it is appropriate for children to be tested. It is most helpful for people to learn about the mutation in their family by the time they reach the recommended age to begin screening and prevention. Speak with your healthcare provider to learn the recommended screening and prevention guidelines for your particular mutation.

Even though genetic testing is not generally recommended for minors, some parents may prefer to talk to their children about the cancer in the family. FORCE and the National Society of Genetic Counselors created a guide (FacingOurRisk.org/Telling-children) to help parents have a conversation about hereditary cancer with their minor children.

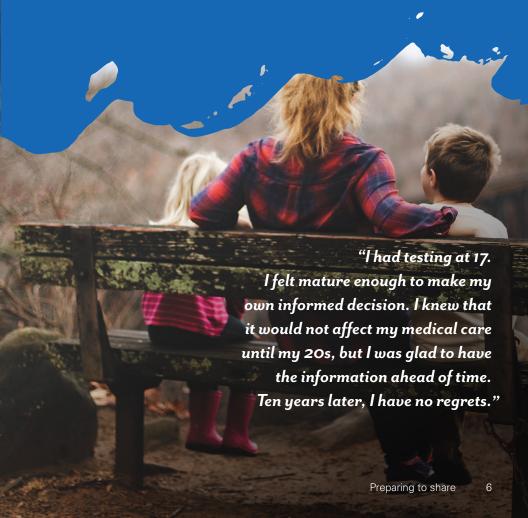


I had testing after my diagnosis of breast cancer.
When I reached out to my cousins about my
genetic test results, I learned that they already
knew about the mutation in the family. I was
disappointed that no one had reached out to me
before I was diagnosed with cancer.

Expert screening and prevention guidelines

For people with an inherited BRCA1 or BRCA2 mutation, screening and prevention guidelines begin at age 25 for women and age 35 for men. Screening may be recommended at an earlier age for families with very early-onset cancers.

For people with an inherited mutation in a gene associated with Lynch syndrome, screening and prevention beginning between the ages of 20 and 25 is recommended. Recommendations begin at a younger age for some genes that are associated with earlier onset for cancer. Guidelines recommend that individuals who have mutations in other genes including TP53 (associated with Li-Fraumeni syndrome), PTEN (associated with Cowden syndrome), and STK11 (associated with Peutz-Jeghers syndrome) should begin screening before the age of 25.





Sharing medical information

Your medical records are very personal. Not everyone is comfortable sharing health information with other people, even relatives. If you are open to sharing, parts of your medical records may be helpful to your relatives, including the following information:

Your cancer type

Certain cancer types and even subtypes are more closely linked to genetic mutations than others. If you have been diagnosed with cancer, sharing your pathology results may provide your relatives and their healthcare provider with additional clues about their risk, access to certain screening procedures, or eligibility for screening clinical trials.

The type of genetic test you had

Different genetic tests look for mutations in different genes. Knowing which test you had can help your relatives' doctors understand which genes were tested and which genes were not.

Your test results and report

Sharing your genetic test report can be very helpful to your relatives. Genetic testing laboratories provide results that identify the gene (e.g., BRCA2, PALB2, CHEK2, MSH2, or others), list the type of mutation found (if the test is positive), and the location on the gene where the mutation was found. Sharing this information can help assure that your relatives' doctors order the proper test. Even if you test negative for a genetic mutation, your relatives may still be at risk for having a mutation. Your negative results are especially relevant for your children.

Tip: In a FORCE survey on sharing genetic test results within families, people who received the name of a genetic counselor from a relative were more likely to be satisfied with how they were told about the mutation in their family.

Getting your medical records

You have a right to all your medical information, including your genetic test results and tumor pathology report. Most genetic counselors will provide you with a copy of your genetic test results for your records. Many hospital systems keep patient records in electronic form and make them available to patients to print or download through a patient portal. If you have a patient portal but the report you are looking for is not there, request that your doctor's office "release the report to your patient portal." Some genetic testing laboratories also have patient portals that allow you to download your genetic test results.

If your healthcare provider doesn't have a patient portal, you may request printed copies of your records. Providers may charge a small fee for printed copies of your records.

Sharing the name of a genetic counselor

Guidelines recommend genetic counseling with an expert in cancer genetics before and after genetic testing. You can help prepare for a conversation with your relatives by having the name of a genetics expert in their area. The National Society of Genetic Counselors (NSGC.org) has a "find a counselor" tool that allows you to find genetic counselors by location and specialty—choose "cancer" as the specialty area. Some genetics experts offer genetic counseling by phone, which is particularly helpful for relatives who may live in rural areas or who may not be able to travel to see a genetic counselor. You can also refer vour relatives to FORCE's toll-free helpline at 866-288-RISK, ext. 704. A board-certified genetic counselor will answer general questions and help them find the closest counselors in their areas.



My cousin's genetic test results helped me get a referral for genetic testing. But it was the information about his pancreatic cancer diagnosis that gave me access to a pancreatic screening clinical trial. I am so grateful!



After telling my uncle about my genetic test results, he went for testing with no genetic counseling and told me he was negative. I later learned he had only tested for the three mutations common in Jewish people. We are not Jewish and he was not tested for the mutation I carried. After that I shared my full results with him so that his healthcare provider could order the correct test for him.

Gathering facts and resources

Medical decision-making is personal and not everyone is the same. Some people like detailed information, while others just want the basics. Some people may decide to do their own research; others might be satisfied with the information that you supply. Although some family members may make up their minds about testing on the spot, others may need time to process what you tell them. Whatever their preference, you can provide your relatives with the tools to help them make an informed decision. The rest is up to them. Try not to overwhelm your relative with information. Sometimes connecting them with a genetics expert in their area is enough to get them started on the path that is right for them.

You don't need to be an expert in genetics to provide your relatives with basic information about genetic testing. Guiding them to a cancer genetics expert and credible resources may be the single most important thing you do. Still, some people feel more comfortable having a conversation with relatives when they are armed with their own set of facts.

Visit the FORCE website or speak with a genetics expert for facts about the following topics.

Cancer risks associated with your gene mutation (FacingOurRisk.org/Genes)
 Different genes are associated with different cancer risks in men and women, and these risks vary by mutation. Mutations have been linked to increased risks for several cancers, including breast cancer in women and men, colorectal, ovarian, pancreatic, prostate, uterine cancers, and melanoma.

- Guidelines for cancer screening and risk reduction (FacingOurRisk.org/Guidelines)
 Options for cancer screening and risk reduction vary by gene mutation.
 Panels of experts create guidelines based on the latest research and update them regularly.
- Targeted treatment options for people who are diagnosed with certain hereditary cancers (FacingOurRisk.org/Treatment)
 Treatment options known as "targeted therapies" may be available for treating certain types of hereditary cancers.
- Laws related to genetic privacy, discrimination, or insurance coverage (FacingOurRisk.org/Laws)
 Federal and state laws protect people who test positive for a genetic mutation. Laws about health insurance coverage for certain types of genetic testing, screening, and treatment are also in place.
- Clinical trials and research studies (FacingOurRisk.org/Research)
 Research studies are looking at new options for detecting, preventing, and treating hereditary cancers.
- Support resource (FacingOurRisk.org/Support)
 FORCE and other organizations offer in-person and online support and conferences for people who are affected by hereditary cancer.

Myths and Misinformation

Common myths about genetic testing include the following:

Myth: Only women can carry an inherited mutation associated with cancer risk.

Fact: Both men and women can inherit a genetic mutation associated with cancer.

Myth: Only women with mutations are at high risk for cancer.

Fact: The increase in cancer risk varies by gene. The most common gene mutations increase the risk for cancer in both men and women.

Myth: People who test positive for a genetic mutation are at risk of losing their health insurance.

Fact: Laws protect people from health insurance and employment discrimination.

Myth: Genetic testing is very expensive and is not covered by insurance.

Fact: The cost for genetic testing has gone down, and testing is more affordable than ever. Testing is covered by most insurance companies, especially for people who have a relative who tested positive. Testing options are also available for people who are uninsured. Additionally, reputable laboratories offer financial assistance or low-cost testing for people whose testing is not covered by insurance.



Degrees of relatedness

When speaking about a family tree, experts use the term "degree of relatedness" to describe how closely a family member is related to you. When experts speak about "first-degree relatives," they are referring to relatives who share half of your DNA and who have a 50 percent chance of testing positive for the same mutation that you carry. Importantly, if your mother or father tests positive for a mutation, then you and each of your siblings have a 50 percent chance of also testing positive for the same mutation. Even if you test negative, your siblings need to undergo testing to determine if any of them have your parent's mutation.

First-degree relatives

- Siblings
- Children
- Parents

Second-degree relatives

- Half-siblings
- Uncles and aunts
- Grandparents
- Grandchildren
- Nieces and nephews

Third-degree relatives

- Cousins
- Great-grandparents
- · Great-aunts and great-uncles

Who to contact first

Drawing your family tree can help you identify which relatives to tell first about your genetic test results. Some family members who are particularly close and more up-to-date on family happenings may be willing and able to help you locate and discuss your test results with your extended family.

If a relative tests negative for the mutation in your family, his or her children will not benefit from testing for that mutation. For example, if your aunt tests negative for your mutation, her children (your cousins) do not need to be tested. If your brother tests negative, his children (your nieces and nephews) will not carry your mutation. They could still develop cancer, but their risk may be the same as someone who does not have a mutation.

Contacting male and female relatives

It is important to notify both your male and female relatives about genetic test results. Men can carry gene mutations; men with mutations have increased risk for different cancers. The type of cancer they are at risk for depends on the gene mutation. Certain mutations can increase the risk for pancreatic, prostate, male breast cancer, colorectal cancer, melanoma, and stomach cancer to name a few. Visit the FORCE website to find a list of gene mutations and their associated risks.

I did ancestry testing and was contacted by someone who was identified as my second cousin.
I felt it was important to tell her about the mutation in the family.
I was glad that I did because she had not been aware of it and pursued testing after I told her.



My Aunt Jenna is the family historian. She has meticulously collected our family story.

Before I contacted any other relatives, I reached out to her for help in reaching distant relatives. I was so glad that I did. She helped me create a list and reached out and notified several relatives who I had lost contact with.

Planning the communication

How you notify relatives about your genetic test results is up to you. Some people use the same approach for all their relatives, while others prefer to tailor the conversation for each relative. Understanding your relatives' situation can help you prepare for their reaction to your news.

Here are some things to consider:

- Are they being treated for cancer? If so, genetic testing may affect their surgical decisions or open up new options for treatment or access to clinical trials.
- Do they have any physical, language, or financial challenges or barriers to receiving care? Specific resources to help overcome these barriers, including programs that offer financial support for genetic testing or high-risk screening, may be available.
- Do they have adult children whom they will need to inform? Are they close
 with other relatives? If so, they may benefit from having additional copies of
 this guide.
- Do they live near a cancer center with expertise in caring for people who are
 at high risk for cancer? Often larger cancer centers or those affiliated with
 universities have more resources for supporting people interested in learning
 more about genetic risk and testing. National Cancer Institute (NCI)-designated
 cancer centers always have such resources available.
- Are there specific guidelines for risk management for their age, gender, and circumstance?
- Have they lost close relatives to cancer? Was this loss recent? This may affect how they respond to your information.

13 Making contact

I have never been close to my cousin, but ever since I told her about my mutation, we have been in touch frequently. We speak every week and have been able to support each other. Through this process we have become best friends.

Tip: In FORCE's survey on family sharing of genetic test results, people who were informed of a family mutation by text or Facebook were less likely to be satisfied than people who were told in person or by phone, letter, or email. Nevertheless, most respondents were grateful to their relatives for telling them about the mutation in their family.

Technology allows us to reach out and communicate with relatives in a variety of ways. Each method has benefits and limitations.

- For relatives with whom you are close, an in-person meeting allows physical touch and reassurance.
- Family reunions, holiday gatherings, or weddings may provide the opportunity to collect contact information from multiple relatives in person, including those whom you may not frequently speak with or see.
- Although less intimate, a video chat allows you to gauge relatives' expressions and provide support and comfort as needed.
- Some people are uncomfortable
 with emotional in-person or
 video meetings. You may have
 relatives who prefer privacy or
 who need time to process personal
 information in their own time. An
 email, letter, or phone call may be
 the best or easiest way to contact
 these relatives.

Reaching relatives with whom you are not close

Evervone feels closer to some relatives than others, and in some cases, members of your family may be estranged. Family issues can make these discussions more awkward or difficult. There is no single correct way to communicate this information. You may find that you communicate differently with different relatives and that's okay! You can also ask family members with whom you are more comfortable to help—they may not mind sharing the information with other relatives for you. Family sharing is a process, and it can take some time and thought to figure out how to approach it.

Beginning the conversation

Sometimes the hardest part is knowing where to begin. A good place to start may be to share how you first learned about genetic testing, why you decided to be tested, or who else in the family has had genetic testing. You might outline what you have learned about your family history, including who was diagnosed with cancer, the type of cancer they had, and how they are related to you.

Range of reactions

Everyone processes health information and health threats differently. Genetic test results come with the added burden of risk to children and loved ones. Your relative may not respond to your contact in the way you expect.

Possible reactions may include:

- Anger
- Confusion
- Denial
- Disbelief
- Fear
- Gratitude
- Guilt
- Resentment
- Sadness

As your relative listens and responds to the information you are sharing, it can be helpful to assess your own feelings. After all, the genetic information you are sharing affects you too. Try not to take your relatives' initial reactions personally, even if their response feels personal or insensitive.

You do not need to shoulder your relatives' emotions alone. If a relative lashes out, you can tell them that you are ending the conversation. If you wish, you can invite them to reach out to you after they have had a chance to calm down.

If you find yourself becoming overwhelmed, it's okay to tell them and then take a time-out. You might say, "This conversation is hitting close to home for me. I know that I have given you a lot to think about. Perhaps you can call a friend or visit FORCE to discuss your thoughts and concerns with trained volunteers."

Your relatives' reactions may change as they have a chance to process the information and learn more about genetic testing. Try not to manage or fix your relatives' feelings, but instead give them the space to feel.



I have been estranged from my father's side of my family, so I was grateful when my cousin reached out to me and told me about his genetic test results.

Giving support

People differ in their need for support and their capacity to provide support to others. Feeling stressed or emotional about your own set of circumstances can make it harder for you to support your relatives. As you share your health information, try to check in on your own feelings. It's okay to tell relatives if you do not feel like you can offer them the emotional support they need. Connecting them with the FORCE website and local volunteers, providing them with the name of a genetic counselor, or connecting them with a relative who is willing to help gives them options for additional support.

Initially, when I told my niece about my gene mutation, she panicked. She said that while she was not prepared to remove her breasts or ovaries, she didn't want to get cancer. I just listened. After a while, she was able to formulate a plan to address each concern. Step 1 was seeing a genetic counselor. She went home and made an appointment right away.

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Here are some helpful tips in case you decide that you are able to provide ongoing support to your relatives.

- Let them know that you are available and the best ways and times to contact you.
- Offer to check in periodically and ask for the best ways and times to contact them.
- Try to be nonjudgmental about their reaction, and try not to take it personally. If your perspective differs from theirs, ask if they would like to hear your views on the topic.
- Validate their emotions. Let them know that it's okay to feel the way that they do.
- Repeat or paraphrase what they say back to them. This can help them identify the issues that are causing anxiety, worry, or stress.
 For example, if your nephew says, "I don't know how to tell my wife about this information" you might respond with, "You are concerned about how your wife will react to the information."
- Try not to dismiss their concerns, even if they may not seem logical.
 For example, they may feel guilty

- about the possibility of passing a mutation to their children, even though it is out of their control. They may worry that they already have cancer, even if they feel healthy. Just stating their worries out loud may help them to develop an action plan.
- As long as you aren't dismissing relatives' concerns, it's okay to provide certain facts. For example, it's alright to remind them that they could test negative. If they are fearful about losing their health insurance if they test positive, informing them about protective laws (e.g., the Genetic Information Nondiscrimination Act or "GINA") may be reassuring. You can learn more about these laws at FacingOurRisk.org/Laws. Even if you don't have solutions, remind them that a genetic counselor can answer their questions.

Sample letter

Dear

am reaching out to	 share important me	edical information	that affects my	/ healt

and may affect the health of my relatives. I am also sharing additional resources so that you and your family can make informed healthcare decisions.

I recently met with a genetics expert and had genetic testing. My test results found that I have an inherited mutation in the ______ [indicate the name of the gene] gene. I inherited this mutation from my _____ [indicate which parent, if you know]. This gene mutation increases the risk for different types of cancer; however, enhanced screening may help detect cancer earlier, and medical or surgical interventions may help lower risk.

Experts recommend that I share this information with you and all my blood relatives, because there is a chance that you and other relatives also carry this mutation. I have attached a copy of my genetic test results for your records, so that you may have a simple blood or saliva test for the same mutation. Before you decide about testing or have the test, experts recommend that you make an appointment with a genetics expert, who will make sure that you have all the information you need to make an informed decision about genetic testing, have the right test, and interpret your results. He or she can also help you understand your risk for cancer, and if you test positive for the mutation, can explain all of your medical options.

I have found some genetic counselors in your area [include the name and contact information of genetic counselors if you have looked them up]. You can find the name of additional genetic counselors through the website of the National Society of Genetic Counselors at www.nsgc.org. Facing Our Risk of Cancer Empowered (FORCE) at www.FacingOurRisk.org is a great nonprofit organization that provides support, information, and resources for people and families affected by genetic mutations. I highly recommend that you visit their website. You can also call their toll-free helpline at 866-288-RISK so that they can connect you with support and resources and help you find a genetic counselor in your area.

I would be happy to share more information or resources if you are interested. I am here to support you through this.

Best regards,



Checking in

Learning about the mutation in your family can be overwhelming. Some people need time to process, do their own research, or discuss the information with their healthcare provider, friends, and other relatives. Checking back a few weeks later provides your relative with the opportunity to ask more questions, request assistance, and share where they are in their medical decisionmaking process. This provides you with the opportunity to offer additional support and remind them of helpful resources. Everyone is different. Your relatives may have circumstances, personalities, and decision-making styles that may be very different from yours. Try to be nonjudgmental and patient as you check in with them. Ask relatives if they are willing to be a resource and provide support to other family members who are undergoing genetic testing.

When relatives don't test

The decision whether or not to have genetic testing is highly personal. People weigh the benefits, risks, costs, and limitations differently. Relatives who are interested in testing may face timing issues or barriers that affect their access to testing. It's important not to push them into testing, but rather to respect their own timelines and processes. You can help them make informed decisions based on credible information by connecting them with a genetics expert. In the end, the decision whether or not to have testing is theirs.

When relatives don't share with other relatives

Every adult has the right to decide whether to have genetic testing. When a relative withholds information or blocks you from contacting another adult family member, they deny that relative the right to choose. This scenario is not uncommon. FORCE members have reported cases where an uncle, aunt, or cousin refused to share medical information with their siblings or adult children, and withheld their contact information.

This can put you in a tough position. Respecting the wishes of one relative may deny another relative their right to know and take action on their risk. Either choice may end up causing a rift in your family. The following tips may help you in these situations.

- Ask your relatives if they can share why they want to withhold the information. Their reasons may be valid. They may require additional time or planning to deal with family crises or mental or physical health issues before they share.
- If the timing is bad, offer to give them a window of time to plan or respond, after which you will inform your other relatives yourself.
- Connect your relatives with a genetic counselor who can address their concerns about disclosing the information to other relatives.
- Enlist another family member who
 is closer to the situation and the
 relatives in question. This person
 may be able to provide insight,
 convince your first relative to
 disclose the information, or may be
 willing to take it upon themselves
 to tell the relative who is unaware
 about genetic testing and their
 cancer risk.

Cascade testing

Many families with inherited mutations have lost generations to cancer. Breaking this cycle of loss requires two important steps: genetic testing and sharing results with relatives. Experts call this continuous cycle of testing-sharing-testing-sharing "cascade testing."

As each member of a family is tested and shares their results, they play a key role in protecting their loved ones from cancer. We hope that families all over the globe will use and share copies of this guide to help start conversations and encourage cascade testing.

My aunt, with whom I'm not very close, found out that she had a gene mutation while being treated for ovarian cancer. She told my dad, who said he wasn't concerned and wasn't going to tell me. Later she reached out directly and told me by phone. She gave me the power to make proactive decisions. It's been 10 years and my dad still doesn't seem to fully understand his own risk, but he has been very supportive of my medical decisions.



Cascade testing—The process of genetic testing within a family in which people who test positive for an inherited mutation share their genetic test results with their blood relatives so that they too can be tested. As more relatives within a family have testing and share their results, the entire extended family becomes informed about their risk.

First-degree relatives—The relatives most related to you that share half of your genes, including your siblings, children, and parents.

Gene mutation—An abnormal change in your DNA. Inherited mutations (also known as "germline mutations") are those you have at birth and are present in every cell of your body. Acquired mutations (also known as "somatic mutations") develop in your cells after you are born from gene damage that is acquired from environmental exposures, dietary factors, hormones, normal aging, and other influences.

Genetic counseling—A consultation with a genetics expert, which includes discussion of the following: your risk for cancer, your risk of having a mutation, the benefits and limitations of genetic testing, interpretation of test results, and medical options for preventing, detecting, and treating hereditary cancer.

Genetic testing—A blood or saliva test that looks for inherited mutations.

Germline mutation—Another term for an inherited mutation. Germline mutations are abnormal DNA changes that you are born with and are present in every cell of your body. Germline mutations are inherited from parents and may be passed to their children.

GINA laws—The Genetic Information Nondiscrimination Act is a US federal law that protects people with an inherited mutation or family history of disease from discrimination by employers or health insurance companies.

Second-degree relatives—Relatives that share one-quarter of your DNA. Your second-degree relatives include half-siblings, uncles and aunts, grandparents, grandchildren, nieces and nephews.

Third-degree relatives—Your third-degree relatives include cousins, great-grandparents, great-aunts and great-uncles. They share one-eighth of your genes.



When I told Uncle Jeff about the mutation, he became angry at me and forbade me to contact his children.

About this guide

Why is this guide needed?

Experts believe that only about 1 of every 10 people in the United States who have an inherited genetic mutation linked to cancer is aware of their mutation status and increased cancer risk. Doctors, hospitals, and laboratories may not be able to contact your relatives for you. For this reason, many experts believe that the key to bridging the awareness and testing gap is through a process known as "cascade testing" or "snowball testing." This means that a person who tests positive for a mutation shares their test results and any other important information with as many relatives as possible and guides their relatives on how to get tested themselves.

In a FORCE survey on resource needs for people affected by hereditary cancer, respondents chose "how and when to tell family members about the mutation in the family" as one of the most difficult challenges that they faced. The survey highlighted the need for additional materials around sharing information with relatives.

Who is this guide for?

If you have had genetic testing for a gene mutation linked to cancer, this guide was written for you. It provides information that will help you have a conversation with your relatives about your genetic test results, whether those results are positive or negative. Members of our community have asked us to develop resources to help them share this information with their families. We have included all of the tips, information, and resources that experts and our members have told us might be helpful.



Facing Our Risk of Cancer Empowered (FORCE) is a national nonprofit organization devoted to men, women, and families affected by hereditary cancer. FORCE was founded in 1999 to make sure that no one has to face hereditary cancer alone. FORCE created this guide with input from patients and caregivers affected by hereditary cancer, the medical experts who treat them, and our advocacy and industry partners.

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