

Becker Muscular Dystrophy Can Be Passed Down in Families

Learn Why Genetic Testing and Knowing Your Family History Matters

If Becker runs in your family, you may have questions about how it is inherited and passed from one generation to the next.

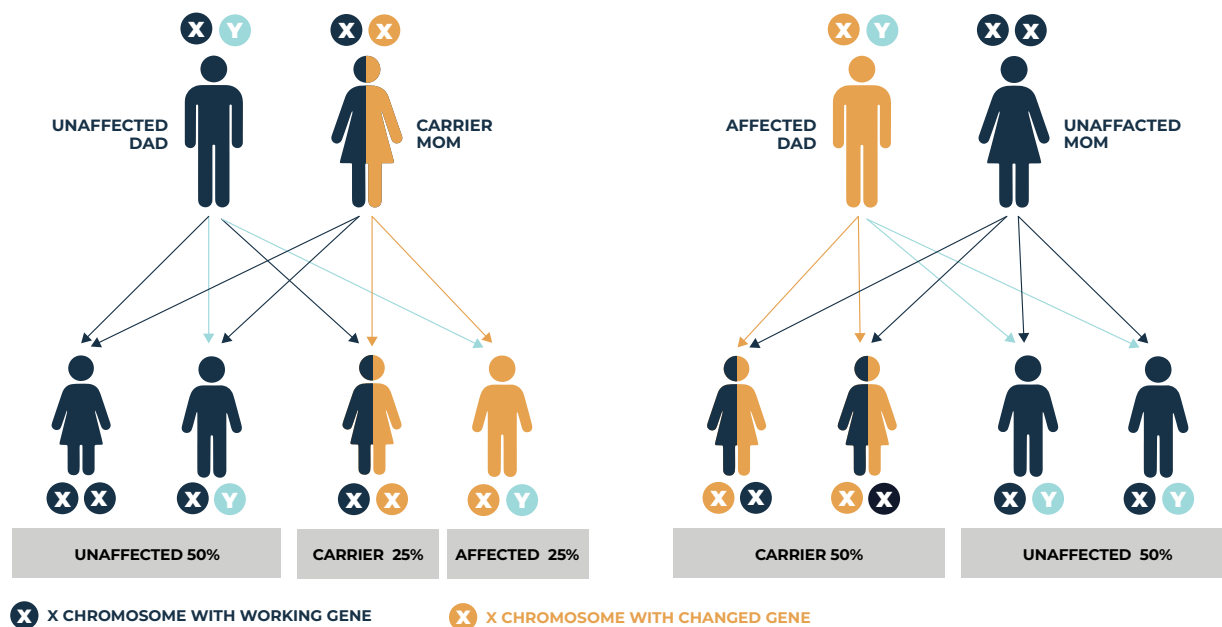
Becker is caused by a change in the dystrophin gene that affects the body's ability to make dystrophin, a protein that helps keep muscles healthy and strong. Even when only one person in a biological family is diagnosed with Becker, others may still have the gene change.

Becker is Passed Down in a Specific Way

Boys inherit an X chromosome from the mother and a Y chromosome from the father. Girls inherit two X chromosomes, one from each parent. Becker mainly affects males because the dystrophin gene is located only on the X chromosome. If a female has the affected gene on one of her X chromosomes, she is a carrier.

Becker is Inherited in an X-Linked Pattern

The DMD gene is on the X chromosome.



- **For an unaffected dad and carrier mom:**
 - Each son has a **50%** chance of having Becker
 - Each daughter has a **50%** chance of being a carrier
- **For an affected dad and unaffected mom:**
 - Each son has a **0%** chance of having Becker
 - Each daughter has a **100%** chance of being a carrier



Your Becker Care Team Matters

If you know of anyone with Becker in your family, it's important for you to get genetically tested. Talk with your doctor or a genetic counselor about genetic testing and what the results could mean for you and your family. Women can find out if they are carriers through genetic testing. Carriers should get regular muscle and heart checkups to help monitor for any symptoms even if you feel fine.

Together with your Becker care team, you can build a care plan that supports your needs now and adapts with you over time.



Questions to Ask

Asking questions, sharing changes, and staying informed are some of the ways to take an active role in your care. Consider asking your healthcare provider:

What are the chances my children will inherit Becker?

Should my daughters be tested?

Do carriers have symptoms of Becker?

Should female family members have heart checkups?

Building your care team can start with one conversation

Get tips for connecting with the right specialists by
scanning the QR code or visiting
BeckerMuscularDystrophy.com/Build-Your-Care-Team



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