



In Our DNA SC

A Community Health Research Project



Care made just for you

Programs like In Our DNA SC help to support the future of precision medicine.

Precision medicine works to provide the right medical care to the right patient at the right time, instead of using a one-size-fits-all approach to prevention and treatment of disease.



About In Our DNA SC

In Our DNA SC is MUSC's community health research project. The goal is to learn how your DNA affects your health, how it might help improve your health care, and to support new research discoveries for our community.

We hope 100,000 South Carolinians will join the project - at no cost to you.

Precision medicine is health care based on three factors:

- **Your environment** – where you live and how it affects your health
- **Your lifestyle** – what you do every day and how it affects your health
- **Your biology** – what is special about your genes and family history

What will I need to do to join?

You will provide:

- Your name
- A saliva sample for DNA analysis
- Information about yourself and your health from your medical record

What kind of information will I get when I join?

In 8-12 weeks, you and your provider will get:

- Results about your genetic risk for certain cancers and heart disease for which actions can be taken to help prevent, delay, or reduce symptoms.
- Results about your ancestry and other traits like gluten tolerance, caffeine sensitivity, and more.

Learn more about how you can join In Our DNA SC and discover why your DNA matters at:


web.musc.edu/InOurDNASC



Why is it important to know your genetic risk factors?

- **1 in 75 participants** in similar programs¹ learned that they are at higher risk for common cancers and heart disease.
- **90% of conditions** we test for would have been missed based on current medical practice or family history alone. Knowing if you are at higher risk can help you and your doctor personalize your health care.
- **Knowing your risk** can protect your family's health. Sharing your health information with your family members can help them take steps to prevent disease and catch it early if it develops.

Our Partner

MUSC has teamed up with Helix,  **Helix** a leading population genomics company, to deliver genetic information to you and your provider. This research program is part of the Helix Research Network, which is combining the genetic and health information from health partners across the country to power genetic discovery.

Why should I join?

Being part of this community health research project may help you:

- Understand your personal health risks so that you and your doctor can plan for a healthier future.
- Make a difference for generations to come by participating in research today.
- Improve your health care and could also improve health care for your family and community.

How will my information be stored?

Your information will be secure in a privacy-protected genetic and health research database. Over time, the information in this database will help researchers learn what may cause certain diseases, how to treat them more effectively, and help improve the standard of health care for all. We take great care to keep your information safe and secure and will not share personal data beyond what you have consented to.





How do I join?

Visit the website:

InOurDNASC.org



There you can:

- Learn more about the program and its potential impact on the community.
- Sign up using your MyChart account.
- Read FAQs to answer more questions you may have.
- Find contact information to get in touch with an In Our DNA SC research coordinator.

MUSC is South Carolina's only comprehensive academic health sciences center and is dedicated to changing what's possible in health care through our ongoing mission to provide excellence in patient care, education and research.

