

Receiving a normal result for hereditary breast cancer gene panel (R2o8)

You had a genetic test to look at seven genes that can cause hereditary breast cancer: *BRCA1*, *BRCA2*, *PALB2*, *ATM*, *CHEK2*, *RAD51C* and *RAD51D*.

No harmful variants were detected in the genes tested.

What does this result mean for me?

This means you do not have a harmful variant which would be associated with hereditary breast cancer and put you at increased risk of developing new cancers. Your treating team will let you know if this result has any implications for your cancer management.

Most people who have this test receive this result because most cases of breast cancer occur by chance. If you have a strong family history of breast and/or other cancers, or a family history of cancer diagnosed at an unusually young age, please let your treating team know. They can refer you to the genetics team for advice if needed.

What does this result mean for my unaffected relatives?

This result is good news for your relatives who have not had cancer, as it means they are unlikely to be at a greatly increased risk of developing breast cancer, and possibly other cancers, themselves. Please consider sharing this result with them.

All women are eligible to have mammograms from 47 years of age in the National Breast Screening Programme. Depending on the family history, some women may be eligible to start earlier, even if there isn't a harmful variant contributing to cancer risk in the family. If any of your relatives wish to discuss their own risks of cancer, they should speak with their GP who can refer them to a Family History or Genetics Clinic.

If you have any further questions about your genetic test results, please contact The Royal Marsden Cancer Genetics Unit on 0208 661 3375.

