# Supplementary Material: Survey Questions

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| How should we inform you of the risk associated with medical x-rays? |

## We need to know what you want to know.

In the NHS we try to put patients at the center of everything we do. Therefore, we always try to ensure that patients are adequately informed about all the risks associated with tests they have. Diagnostic tests like x-rays are important to allow clinical staff to look inside patients and work out the best treatment for them. However, they are associated with very small amounts of radiation. We want to ensure that patients are informed about these small risks in a way that helps them to decide what the best test is for them.   
  
Therefore, as part of my doctoral level research I am developing resources to help our staff inform patients. I would really appreciate your help with this by completing the survey which should take around **10 minutes.** The more people we can get views from the more we can tailor the information to make sure it fits people’s needs. If you complete this survey we will take that as consent to use the results. All results will be anonymous and not associated back to an individual.

Thank you so much for your help with this survey, we are likely to be holding focus groups (potentially virtual) to discuss this further in the near future. If you are interested in participating in one of these please email your contact details to Elizabeth.m.davies@uhl-tr.nhs.uk. We will only contact you in the event of setting up a focus group and you can remove your name from the list at any point.

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| **Question** | **Options provided** |
| What age range are you in? | * <18 * 18-24 * 25-34 * 35-44 * 45-54 * 55-64 * 65-74 * 75+ |
| Which of the following tests do you believe increases the risk of cancer? | * X-ray * MRI * CT * Ultrasound * Nuclear Medicine * Scan |
| If your doctor felt you needed a test to diagnose you, what level of risk from cancer in 10 years’ time would concern you, given the natural risk is around 1 in 4? | * All risks * Risks greater than 1 in 1 000 000 (similar to the level of risk of drowning in a bath in a year) * Risks greater than 1 in 100 000 (similar to the risk of death by murder) * Risks greater than 1 in 10 000 (similar to the chance of getting 5 balls in the UK national lottery) * Risks greater than 1 in 1 000 (similar to the risk by a bed mattress or pillow). * Risks greater than 1 in 100 (risk of dying of any cause in the next year) * No level of risk would concern me. |
| What levels of risk would you expect to be informed of? | Options as above |
| Which of the following statements would you find most useful if it was used to explain risks to you. Multiple items may be chosen if you would like a combination of explanations. | * The risk associated with the test is low. * The risk associated with the test is approximately 1 in 2000 * The risk of cancer associated with the test is approximately 1 in 2000 * If 2000 individuals had the test, on average, one might develop cancer * The amount of radiation you will be exposed to during the test is similar to the level of radiation you are exposed to from natural background radiation in under 4 years. * In the judgment of your clinician the risk for you from not carrying out this exam is greater than the potential risk in the future. We invite you to discuss this further with your clinician should you have any questions. * Other (please specify) |
| Who would you expect to communicate the risk associated with a test with you? (Multiple answers allowed). | * The person that decides that you should have a test (referrer) * The person carrying out the test should discuss this with you * A leaflet sent out with the appointment should explain the risks * A poster in the waiting area for the test should explain the risk |
| If there was a website from a trusted source that could provide this information for example through videos and information would you use it? | * Yes * No * Not sure |
| Is there anything else that you would like to share about what you would like to know about radiation risks if you were having a test or how you think it should be communicated with you? | Free text |