

What tests are done at the Data Collection Site?

This table describes the tests that will be done at the Data Collection Site during your follow-up 4 visit and the risks associated with each test.

All tests completed during the Data Collection Site visit are for research purposes only. These measurements are not a clinical diagnosis. Many test results require further analysis and interpretation to be clinically useful.

Type of Test	What are these tests for?	What will the test involve?	What are the possible risks?
Physical assessment (4 min)	To learn about body size and shape	Standing on a scale to measure height, weight, waist and hip size	No risk
Bone density and composition (10 min)	To learn about your bones, muscles, and fat	Lying on a flat table where an X-ray beam will scan your body	You will be exposed to a small amount of radiation that is equal to a dental X-ray
Heart function (20 min)	To learn how your heart works: blood pressure, heart rate, and images of your heart	Having a cuff placed around your arm Placing small patches called electrodes on your chest, arms and legs While lying flat on a table, gel will be applied to your chest and a hand-held wand will be moved gently on the skin above the heart	No risk, however you may feel pressure from the inflating cuff No risk with electrodes, gel, or wand However, you will be asked to remove the clothing on your upper body so that we can access the heart area and we may need to shave some hair to place the electrodes on your body
Strength tests (2 min)	To assess strength in your hands and arms	Squeezing a device	No risk
Strength testing (10 min)	To assess strength in your legs and overall body	Walking a short distance (4-metre walk test, Timed Get Up and Go test) Rising and sitting on a chair (chair rise test) Standing on one leg with a spotter nearby (standing balance test)	Some risk. Tests that assess leg or body strength, like all forms of exercise, can pose a risk. However, these tests do not involve high-intensity, fast movement, which means that the risk of losing your balance or injuring yourself is minimized.
Lung test (5 min)	To learn how your lungs work	Taking a deep breath and blowing hard and fast into a mouth piece	No risk, however it is possible that you may feel mildly dizzy, short of breath, or cough
Memory test (27 min)	To learn how your brain works	Counting, remembering and solving problems	No risk, however you might feel frustrated with some questions

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Vision and Hearing tests (7 min)	To learn about your sight and hearing	Reading letters on two charts and allowing us to measure the pressure in your eye. Putting headphones on and listening for sounds	Checking the pressure in your eye can occasionally cause minor irritation. No risk
Olfactory Test (5-7 minutes)	To learn about your sense of smell	Smelling 12 different odours from pens	No risk
Blood and Urine Samples (10 min)	To learn how your body is working by testing blood and urine	Giving about 50 mL of blood (about 3 tablespoons) and giving a urine sample	You may feel mild "pin-prick" pain from the needle or have a small bruise on your arm. Some people may also feel dizzy Although very rare, infection may occur
Questionnaire (25 min)	To learn about your health and disease symptoms	Answering a series of questions using a questionnaire	You may feel some of the questions are very personal, but you can choose not to answer those questions