The PIANO Study

What is the PIANO study?

- PIANO stands for Protein, Insulin And Neonatal Outcomes

- It has nothing to do with playing the PIANO!

- *Protein* is used in the body for building muscles and making energy

- *Insulin* is made by the body to use up the sugar we eat in our food

- When babies are born very early, doctors need to give them the right amounts of protein, sugar and insulin to make sure they grow properly. This is because they cannot feed on their own until they are bigger.

- We're a group of eye doctors who want to check how children see after they have grown and see if they are seeing the best they can.

- We want to see both children who are born early and also those who were born just on time.

Who can be in the study?

Children who weighed less than 1500g at birth
Or
Children who were born at just the right time

Children who are
7 years old

Why do we need *your* help?

You were born at just the right time and around the same time as other children who were born early. Because you are at the same age as them, we want your help to find out whether your eyes are as good as they should be. This will help us look after other babies in the future.

If you take part in this study, you will come to Auckland University for the morning or afternoon. We will ask you to have some measurements taken to see how you've grown and do some puzzles to check how your eyes and hands work together. We will check how strong your eyes are by seeing if you can see 3D and moving objects. We'll also ask your Parents some questions about how you have been growing and developing since you were born.

We will also put some cold eye drops into your eyes that make your eyes a little blurry to help us see if we can make you see any better than you can right now.

And at the end, we will take some special photos of your eyes.