



8-Year Data Collection Wave: Main Cohort

Child Observations

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1. Anthropometry

TO PARENT AND CHILD: “I’d like to measure {NAME}'s height, weight and waist circumference. The height measurement involves asking {NAME} to stand up tall next to a wall and using a laser device to measure their height. The laser device is harmless. It shows a light which helps us to measure accurately. So that it is accurate, I will need to touch the device to your child's head- I hope this will be OK?”

“The weight measurement involves {NAME} standing on the scales. The waist circumference involves {NAME} standing up straight and having a measuring tape placed around {HIS/HER} middle. We do have to make sure the tape measure is in the correct place and this involves feeling for {NAME}'s hip bone and lower rib. Is it OK to do that on {NAME}'s bare skin?”

TO CHILD: “I’m just going to see how much you weigh. Please stand on the scales and be as still as possible for me.”

1.1. Permission to weigh the child?

(Choose one only)

HW34_y8Co

- 1. Yes, both the parent and child agree
- 2. Child unable to be weighed → **Go to 1.6**
- 981. Parent refused → **Go to 1.6**
- 982. Child refused → **Go to 1.6**

1.2. Child weight 1 (kg) __ __. __ __ (1.00- 99.90)

HW21_y8Co

1.3. Child weight 2 (kg) __ __. __ __ (1.00- 99.90)

HW22_y8Co

Please check that the weights are entered correctly before proceeding to the next question.

[Note: Question 1.4 will only be asked if the difference between the measurements in 1.2 and 1.3 are greater than 0.1kg]

The difference between the first and second measurement is greater than 0.1kg. Please measure the child again.

1.4. Child weight 3 (kg) __ __. __ __ (1.00- 99.90)

HW35_y8Co

1.5. Which of these circumstances apply to the weight measurement?

(Choose all that apply – at least one)

HW23_1_y8Co to HW23_97_y8Co

- 1. Weight recorded according to protocol → **Go to 1.9**
- 2. Child was wearing shoes and/or more than light clothing
- 3. Child was wearing a plaster cast
- 4. Child was unable to stand still – weight estimated
- 97. Other, please specify _____

[Note: Option 1 is an exclusive code]

1.6. **TO PARENT:** “Has {NAME} been weighed in the past 12 months?”

(Choose one only)

HW7_y8Co

- 1. Yes, by GP or other health professional
- 2. Yes at home
- 3. Yes, other
- 4. No record available → **Go to 1.9**
- 99. Don't know → **Go to 1.9**
- 98. Prefer not to say → **Go to 1.9**

[Note: Response to 1.6 should refer to the most recent time this occurred for which there is an available record]

1.7. Record weight of child at the last time they were weighed.

HW24_y8Co

- Kilograms ___ . ___ (1.00- 99.90)

1.8. Record date last weight recorded

(Choose one only)

HW24A_Date_y8Co

- 1. Date ___/___/___ (DD/MM/YYYY: range -12 months to interview date)
- 99. Don't know

TO CHILD: "Now I'm going to measure how tall you are. Please stand here with your back to the wall. Stand with your feet together. Stand as straight as you can, and look straight ahead. I'm then going to use this machine to measure your height— you won't feel anything at all while I do this. I will need to do it two times, just to make sure I get it right."

1.9. Permission to measure the child's height?

(Choose one only)

HW36_y8Co

- 1. Yes, both the parent and child agree
- 2. Child unable to be measured → **Go to 1.14**
- 981. Parent refused → **Go to 1.14**
- 982. Child refused → **Go to 1.14**

1.10. Child height 1 (m) ___ . ___ (0.500 - 1.700)

HW26_y8Co

1.11. Child height 2 (m) ___ . ___ (0.500 - 1.700)

HW27_y8Co

Please check that the heights are entered correctly before proceeding to the next question

[Note: Question 1.12 will only be asked if initial height measurements are not within 0.005m of each other]

The difference between the first and second measurement is greater than 0.005m (0.5cm). Please measure the child again.

1.12. Child height 3 (m) ___ . ___ (0.500 - 1.700)

HW37_y8Co

1.13. Which of these circumstances apply to the height measurement?

(Choose all that apply)

HW13_1_y8Co to HW13_97_y8Co

- 1. Height recorded according to protocol → **Go to 1.17**
- 2. Child was wearing shoes and/or something on head that may affect measurement
- 3. Height estimated: Difficult to get child to stand correctly under the stadiometer
- 97. Other, please specify _____

[Note: Option 1 is an exclusive option]

[Note: the following questions (1.14-1.16) will only be asked of parent if a direct child height measurement cannot be obtained]

1.14. TO PARENT: “Has {NAME}’s height been measured in the past 12 months?”

(Choose one only)

HW14_y8Co

- 1. Yes, by GP or other health professional
- 2. Yes, at home
- 3. Yes, other
- 4. No record available → **Go to 1.17**
- 99. Don’t know → **Go to 1.17**
- 98. Prefer not to say → **Go to 1.17**

[Note: response should refer to the most recent time this occurred for which there is an available record]

1.15. Record height of child at the last time they were measured.

(Choose one only)

HW15_y8Co

- 1. Height (m) ____ . ____ ____ **(0.500 - 1.700)**
- 2. Height (cm) ____ ____ . ____ ____ **(50 - 170.00)**

1.16. Record date last measurement recorded.

(Choose one only)

HW16_y8Co

- 1. Date __/__/____ (DD/MM/YYYY: range -12 months to interview date)
- 99. Don’t know

TO CHILD: “Now I’m just going to measure around your waist. Please stand with your feet close together with your arms at the side and as straight as you can. I’m going to use this tape measure to measure your waist– I may have to feel your hips and ribs to put the tape in the right place. I will need to do it two times, just to make sure I get it right. Is it OK if we lift up your t-shirt and put the tape measure against your skin?”

1.17. Permission to measure the child’ waist circumference?

(Choose one only)

HW38_y8Co

- 1. Yes, parent and child agree
- 2. Child unable to be measured → **Go to 22**
- 981. Parent refused → **Go to 2**
- 982. Child refused → **Go to 2**

1.18. Child waist 1 (cm) ____ ____ . ____ (1 -150.0)

HW29_y8Co

1.19. Child waist 2 (cm) ____ ____ . ____ (1 - 150.0)

HW30_y8Co

[Note: Question 1.20 will only be asked if waist measurements from 1.18 and 1.19 are not within 1cm of each other]

The difference between the first and second measurement is greater than 1cm. Please measure the child again.

1.20. Child waist 3 (cm) __ __ __ . __ (1 - 150.0)

HW39_y8Co

1.21. Which of these circumstances apply to the waist measurement?

(Choose all that apply)

HW31_1_y8Co to HW31_97_y8Co

- 1. Waist circumference recorded according to protocol
- 2. Child was wearing clothing and/ or something around the waist that may affect measurement
- 3. Waist estimated: Difficult to get child to stand correctly or locate the waist accurately
- 97. Other, please specify _____

[Note: Option 1 is an exclusive option]

2. Accelerometers

TO PARENT and CHILD: We would like to measure {NAME}'s physical activity and sleeping patterns by attaching two special devices called accelerometers. We attach the accelerometers with hypoallergenic medical tape. The accelerometers have been fully tested and are safe for {NAME} to wear. The accelerometers are waterproof so {NAME} can safely wear them when swimming, showering, or bathing. We'd like {NAME} to wear the devices for eight days. After that, please remove the accelerometers and send them back to us in the pre-paid envelope we will leave with you. It will really help us if you can send them back quickly so we can use them to collect information from other children in the study too. If you can send the accelerometers back to us within a week of removing them {NAME} will go into a draw for a prize.

Although the tape is hypoallergenic, it can cause skin irritation in a small number of children. If you notice this with {NAME}, please remove the tape and accelerometers and send them back to us in the postage paid envelope provided. You can let us know about your experience either when you send the accelerometers back, or sooner if you are concerned.

"Would you like to take part in this part of the study?"

2.1. Do both the parent and child give permission to attach the accelerometers?

(Choose one only)

PA1_y8Co

- 0. No, neither parent or child agree → **Go to 3**
- 1. Yes, both child and parent agree
- 2. Parent agrees, child does not agree → **Go to 3**
- 3. Child agrees, parent does not agree → **Go to 3**
- 4. No accelerometers available → **Go to 3**

TO PARENT AND CHILD: "I would now like to place the first accelerometer on your leg. Just like you can be left and right handed you can also be left or right footed. For example, you probably use one leg more than the other to kick a ball or push off on a scooter. To figure this out I am going to put this object on the ground and I would like you to step forward and put one of your feet on it."

[Interviewer note: the dominant leg is the one the child uses for activities, this should be the foot the child stepped/ placed on the object.]

2.2. Which is the child's dominant leg?

(Choose one only)

PA2_y8Co

- 1. Left leg dominant
- 2. Right leg dominant
- 99. Don't know

[Interviewer note: The accelerometer should go on the dominant leg if possible]

2.3. Which leg is the accelerometer placed on?

(Choose one only)

PA3_y8Co

- 1. Left leg
- 2. Right leg
- 0 Accelerometer not attached to leg → **Go to 2.5**

2.4. Interviewer to record serial number of accelerometer placed on leg

(Record serial number)

PA4_y8Co

Accelerometer number: ___ - _____

2.5. Was the accelerometer placed on the child's back?

(Choose one only)

PA6_y8Co

- 1. Yes
- 0. No → **Go to 3**

2.6. Interviewer to record serial number of accelerometer placed on lower back

(Record serial number)

PA5_y8Co

Accelerometer number: ___ - _____

TO CHILD AND PARENT “Please return the accelerometer to us after wearing it for 8 days, remember, you will go into a special prize draw when you return your accelerometers after wearing them for 8 days”

3. Time Use Diary

TO PARENT AND CHILD: “We would like to ask you to fill in an activity book about how {NAME} uses {HIS/HER} time and to help us with choosing the best activities for {NAME} to do in future data collection waves. We will take a few minutes to explain this to you now, and we will leave the booklets with you to fill in during the next week. Most of the activity book can be completed by {NAME} on their own but it would be great if you can help with filling in the time use diary. When you have completed the activity book it would be great if you can send them back to us along with the accelerometers – we will give you a postage-paid envelope.”

TO CHILD: “We would like you to complete this activity book over the next week. There are some activities you can do any time over the next week and there is also a special diary about what you do in your day. This diary is CONFIDENTIAL, in other words, it will be kept private, and we won’t pass on the information you give us. The information you give us will help us to make sure that we can keep planning activities that are fun for you to take part in – we really want to know what you think about being in Growing Up in New Zealand. We are interested in what you do, every half an hour (or 30 minutes). We would like you to do this for TWO days! One day during the week, and one day in the weekend.’ We would like to know about every activity you do during your day. Please tell us:

- What you are doing
- Who you are doing this with
- Where you are doing this activity
- How much did you like it?
- When you eat or drink

Would you like to fill in this diary for us?”

[Interviewer note: Ask the parent to choose one weekday and one weekend day in the next week for the child to fill in their time use diary. Write these two dates into their diary (E.g. Monday 21st August). Also, fill in the day they should take their accelerometers off (if they are participating in this part of the interview) and show them the boxes where they can tell us if they fall off for any reason]

3.1. Did both the parent and child agree to complete the time use diary?

(Choose one only)

TUD1_y8Co

- 1. Yes, both mother and child agree
- 2. Mother agrees but not child → **Go to 4**
- 3. Child agrees but not the mother → **Go to 4**
- 0. No, neither child or mother agrees → **Go to 4**

[Interviewer note: the following questions (3.2 and 3.3) are test questions to make sure the child understands the time use diary and how to use the devices]

TO CHILD: “We would also like you to be a scientist for us and record the temperature and humidity in your home and class room at school. This special device (point to device) can measure humidity here (point to humidity) and temperature here (point to temperature). Humidity measures how much water is in the air. The more water in the air, the higher the humidity. We have also given you a pen

with a clock on it [Direct the child to the pen.] so you can record the what the time is when you make these measurements

“Can you tell me what the temperature and humidity is now and fill it in here along with the time [point to temperature and humidity page example]?”

3.2. Is the child able to read the temperature and humidity meter?

(Choose one only)

TUD2_y8Co

- 1. Yes, both humidity and temperature correctly identified
- 0. No, child doesn't understand

TO CHILD AND PARENT: “Now we are going to show you how to fill in your time use diary. Let's practice filling in your time use diary”

[Interviewer note: Direct the child and parent to the practice section of the diary and explain what they need to put in each section. The child needs to select something in each section.

- What they were doing
- Where they were
- Who they were with
- How much they liked what they were doing
- When they ate or drank something
- What time they woke up and went to sleep
- The temperature and humidity (when they wake up and go to sleep and the other times indicated)

[Show the child where they find each of these bits of information on the practice page.]

[Note: The following should be directed to the child but the parent should be present also to help the child if required]

TO CHILD: “Can you tell me what time you woke up and what you did when you first woke up this morning? “[wait for child to respond and direct them and the parent to the appropriate activity to fill in] “that's great, can you tell me where you were, who you were with and how you felt?” [direct the child to the appropriate part of the time use dairy to record the where, who and feelings]. “We would also like to know when you eat or drink something, so make sure you record this too” [show child where to record eating and drinking]. “You might find it easier if you write notes during the day and you fill in the grid together with an adult at the end of the day. We have included some pages for you to write notes during each time use day so you can remember all the details of the day later” [show parent and child the day 1 notes page]

3.3. Do the child and parent understand?

(Choose one only)

TUD3_y8Co

- 1. Yes
- 0. No

TO CHILD: “Thanks so much for agreeing to do the activity book. Remember, everyone who returns their activity book will go into the draw to win some great prizes, so make sure you complete your activity book and send it back to us along with your accelerometers”

4. Biological samples

Swab sampling

We will collect skin, nose and throat swabs from each child, so that we can find out more about how the bacteria that normally live on the skin of children affects their health.

TO PARENT: “I'd like to take a swab sample from {NAME}'s elbow skin, nose and throat. The skin swab involves gently rubbing a swab along the inside of {NAME}'s elbow. The nose swab involves using a swab to carefully rub the inside of {HIS/HER} nose. The throat swab involves using a cotton-bud to get a quick swab from the back of {NAME}'s throat. Is this alright to take these swabs now?”

4.1. Permissions

(Choose all that apply – at least one)

BSAMP4_1_y8Co to BSAMP4_98_y8Co

- 1. Permission to collect elbow swab
- 2. Permission to collect nose swab
- 3. Permission to collect throat swab
- 4. No swab available → **Go to 4.5**
- 98. Permission refused for ALL swabs → **Go to 4.5**

[Note: 4 and 98 are an exclusive code]

TO CHILD: “I am going to use this soft cotton bud and rub it up and down on your skin by your elbow. It won't hurt at all.”

4.2. Elbow swab

(Choose one only)

BSAMP5_y8Co

- 1. Collected according to protocol
- 2. Not collected– Other reason (Please specify _____)
- 98. Child refused

TO CHILD: “I am now going to use another soft cotton bud and rub it gently inside your nose. It doesn't hurt but it may tickle a little.”

4.3. Nose swab

(Choose one only)

BSAMP6_y8Co

- 1. Collected according to protocol
- 2. Not collected– Other reason (Please specify _____)
- 98. Child refused

TO CHILD: “Now we are going use another soft cotton bud and rub it quickly at the back of your mouth. Can you say AHHHH and open your mouth wide and let me see if I can tell what you had for breakfast/ lunch? It won't hurt but it may tickle a little.”

4.4. Throat swab

(Choose one only)

BSAMP7_y8Co

- 1. Collected according to protocol

- 2. Not collected– Other reason (Please specify _____)
- 98. Child refused

Saliva sampling

We will look at the interaction of genes and environment across a population of children. In order to do this we will collect a saliva sample from the child as a source of DNA so that we can identify how different genes contribute to different illnesses or other aspects of health and wellbeing.

TO PARENT: “I'd like to take a saliva sample from {NAME}. It's very simple. {NAME} needs to spit into the funnel until the amount of liquid saliva (not bubble) reaches the fill line.

TO CHILD: “Can you spit into this funnel?”

4.5. Permissions

(Choose one only)

SAL1_y8Co

- 1. Permission to collect saliva sample
- 2. No saliva kit available → **Go to 5**
- 98. Permission refused for saliva sample → **Go to 5**

[Interviewer note: Apply the correct (SAL) sticker to the sample container.]

4.6. Saliva sample

(Choose one only)

SAL2_y8Co

- 1. Collected according to protocol (full volume)
- 2. Collected according to protocol (partial volume)
- 3. Unable to collect any saliva sample
- 98. Child refused

TO CHILD: “Thanks so much for being so good and helpful!”

5. Parent-child interaction

[Note: Parents who consented to this task being audio recorded at the beginning of the interview start at 5.1 and parents who did not consent to this task being audio recorded at the beginning of the interview start at 5.2]

TO PARENT AND CHILD: “For the next activity, we would like you to talk with your child using these pictures as a prompt. You can just choose one of them to talk about. Just talk about it in the way you usually would, for as long as you usually would. There is no right or wrong way to talk.

As part of this task, we would like to audio record the interaction. Only a handful of researchers will ever listen to these recordings. They are researchers specifically trained in this field. They won’t ever know your identity as this is kept separate and confidential and these recordings won’t be used for any other purpose unless you give your permission.

“Is it okay with you if we audio record the conversation between you and your child?”

5.1. Permission to audio record?

(Choose one only)

PCI36_y8Co

- 1. Yes → **Go to 5.3**
- 0. No

[Interviewer note: if the answer is YES, open the app named “Recorder” and start recording, then returning back to this questionnaire page]

TO PARENT AND CHILD: “For the next activity, we would like you to talk with your child using these pictures as a prompt. You can just choose one of them to talk about. Just talk about it in the way you usually would, for as long as you usually would. There is no right or wrong way to talk.

[Interviewer note: The above is only read to parents who did not consent to audio recording at the start of the interview. Proceed to the text below for parents who consented to audio at the start of the interview but did not give permission to audio record at the beginning of this task]

TO PARENT: “**Would you like to participate in this activity without audio recording?**”

5.2. Permission to proceed without audio recording?

(Choose one only)

PCI37_y8Co

- 1. Yes
- 0. No → **Go to 6**

5.3. Is the child able to engage in the exercise at all?

(Choose one only)

PCI26_y8Co

- 1. Yes
- 2. No – child was asleep → **Go to 6**
- 3. No – child was unwell → **Go to 6**
- 4. No – child was not in house → **Go to 6**
- 5. No – mother refused → **Go to 6**
- 6. No – child refused → **Go to 6**
- 7. No – due to physical injury → **Go to 6**
- 8. No – due to physical disability → **Go to 6**
- 9. No – due to developmental delay → **Go to 6**
- 10. No – because child cannot speak or understand English language → **Go to 6**

97. No – other (Please specify _____) → **Go to 6**

TO PARENT AND CHILD: “I’m going to give you three topics to choose from. Please choose one of the following topics to talk about:

- (1) a recent time {NAME} had a disagreement with another child; OR
 - (2) a recent time {NAME} didn’t do as well as they wanted to (e.g., in a test or a sports game); OR
 - (3) a recent time {NAME} hurt themselves a little bit (e.g., falling off bike, grazing knee).
- Please talk about this event as you usually would, for as long as you usually would.”

[Interviewer note: show the parent and child the picture prompt cards]

[Interviewer note: at the end of this task, stop recording (if initiated in 5.1) and give the child and the parent a short break. Tell the parent they are not required for the remaining tasks. Label the recorded file with the correct participant ID. Then upload it to the cloud.]

5.4. Which statement best describes how the mother and child chose a topic?

(Choose one only)

PCI27_y8Co

- 1. Mother and child could not agree on topic and did not continue with task → **Go to 6**
- 2. Mother chose topic with little or no involvement, or disagreement from child
- 3. Child chose topic with little or no involvement, or disagreement from mother
- 4. Mother chose topic after discussion on both sides
- 5. Child chose topic after discussion on both sides
- 6. Mother and child chose topic together
- 7. Mother and child did not engage in task → **Go to 6**

5.5. Which topic was chosen?

(Choose one only)

PCI40_y8Co

- 1. a recent time {NAME} had a disagreement with another child;
- 2. a recent time {NAME} didn’t do as well as they wanted to (e.g., in a test or a sports game);
- 3. a recent time {NAME} hurt themselves a little bit (e.g., falling off bike, grazing knee).

5.6. How many questions beginning with who/ what/ where/ when/ which/ how/ why were asked by the mother?

(Choose one only)

PCI28_y8Co

- 1. No questions
- 2. One question
- 3. Two or more questions

5.7. Which statement best describes the mothers validation of the child’s emotion?

(Choose all that apply)

PCI29_1_y8Co to PCI29_3_y8Co

- 1. No emotional states discussed after emotional event selected
- 2. Mother disagrees with child’s emotion at least once
- 3. Mother agrees with child’s emotion at least once

[Note: 1 is an exclusive code]

5.8. Was there any resolution within the discussion?

(Choose one only)

PCI31_y8Co

- 1. No resolution of emotion

- 2. The emotion of the event was resolved in some way

5.9. Was warmth evident within the discussion?

(Choose one only)

PCI38_y8Co

- 1. No evidence of shared warmth between mother and child (e.g., facial expressions of concern, hug, shared smile or laughter)
- 2. Some shared warmth, but interaction is either mainly neutral or also involves cold, disinterested or dismissive interactions
- 3. Majority of interactions are warm and/ or supportive (e.g., facial expressions of concern, hug, shared smile or laughter)

5.10. Was this event mostly...?

(Choose one only)

PCI39_y8Co

- 1. Unshared (i.e., child experienced without this parent there, even if they discussed it later)
- 2. Shared (i.e., this parent was there for part or all of the event)

6. NIH Toolbox

This section of the questionnaire includes the NIH Toolbox®, which has been redacted for copyright purposes. Please contact the team at Growing Up in New Zealand (dataaccess@growingup.co.nz) for more information.

7. Sticker Game

TO CHILD: “I would like to play a game with you now. This game is called the sticker game. [Put 20 attractive stickers on the table]. Choose the 10 stickers you like the most. Do you like your stickers?” Place the 10 stickers the child has chosen into a row and put away the other 10 stickers.

“These stickers belong to you now, but you might like to give some stickers to another girl/ boy in *Growing Up*. You won’t meet them or give them the stickers yourself, I won’t even meet them or know if you give them any stickers. You don’t have to give away any stickers and you can keep all of them if you like.

You can put the stickers that you want to keep for yourself in this envelope (point to left envelope). I will write your name on this envelope so you know that this is yours. The other envelope is for the other child (point to the right envelope). I won’t write a name on this envelope, because we don’t know who this child is. You can put the stickers you want to give to the other child in this envelope. I will give this envelope to another interviewer to give to the other child.”

7.1. Is the child able to engage in the exercise at all?

(Choose one only)

PMD1_y8Co

- 1. Yes
- 2. No– child was asleep → **Go to 8**
- 3. No– child was unwell → **Go to 8**
- 4. No– child was not in house → **Go to 8**
- 5. No– mother refused → **Go to 8**
- 6. No– child refused → **Go to 8**
- 7. No– due to physical injury → **Go to 8**
- 8. No– due to physical disability → **Go to 8**
- 9. No– due to developmental delay → **Go to 8**
- 10. No– because child cannot speak or understand English language → **Go to 8**
- 97. No– other (Please specify) _____ → **Go to 8**

[Interviewer note: The following are questions to check child understands the task.]

7.2. How many stickers do you have?

(Choose one only)

PMD2_y8Co

- 1. Ten (correct)
- 2. Any other number (incorrect)
- 99. Don’t know
- 3. Child did not engage

7.3. Where do you put the stickers you want to keep for yourself?

(Choose one only)

PMD3_y8Co

- 1. Left envelope that has child’s name written on it (correct)
- 2. Right envelope that doesn’t have child’s name written on it (incorrect)
- 99. Don’t know
- 3. Child did not engage

7.4. Where do you put the stickers for the other child?

(Choose one only)

PMD4_y8Co

- 1. Right envelope, that doesn't have child's name written on it (correct)
- 2. Left envelope, that has child's name written on it (incorrect)
- 99. Don't Know
- 3. Child did not engage

TO CHILD: "You can make your decision now. I am going to close my eyes, so you can decide all by yourself. Once you have finished putting the stickers into the envelopes, you can let me know."

[Interviewer Note: Record number of stickers after the interview, out of sight of the child.]

FINISH OF CHILD OBSERVATIONS

8. Interviewer observations

The following questions are to be completed by the interviewer at the end of the interview, after the interviewer has left the participant's house or interview location.

8.0. Please record the number of stickers given to the other child:

PMD5_y8Co

- _____ (0 - 10)

8.1. How often was {NAME} understandable when speaking to you?

(Choose one only)

OB40_y8O

1. Often
 2. Sometimes
 3. Rarely
 4. Never
 95. Not applicable

8.2. How much did {NAME} pay attention during instructions and demonstrations?

(Choose one only)

OB41_y8O

1. {NAME} looks closely at the pictures to distinguish between them; child attends to and complies with interviewer
 2. {NAME}'s attention occasionally drifts, particularly at the end of the activities, but is responsive to prompt
 3. {NAME}'s attention frequently drifts and examiner provides frequent prompts
 4. {NAME} spends most of the time off-task, inattentive
 95. Not applicable

8.3. How much did {NAME} have difficulty waiting between tasks?

(Choose one only)

OB43_y8O

1. Transitions between tasks made difficult because of {NAME}'s activity level/ impulsivity
 2. {NAME} needs multiple prompts to wait while assessor gathers materials for new task
 3. {NAME} sometimes shows anticipation for interesting task materials but rarely needs reminder
 4. {NAME} waits patiently for new tasks to begin, shows relaxed body posture during transitions
 95. Not applicable

8.4. How much did {NAME} actively attempt to engage you as the interviewer?

(Choose one only)

OB44_y8O

1. {NAME} frequently initiates conversation by asking questions, sharing information
 2. {NAME} initiates conversation on occasion and is responsive to interviewer through eye-contact, talking, or smiling
 3. {NAME} does not initiate conversation, is slow to warm up
 4. {NAME} ignores assessor's conversational remarks (social bids), even during positive tasks
 95. Not applicable

8.5. How much did {NAME} show intense apprehensive, sad, or worried feelings during session?

(Choose one only)

OB45_y8O

1. {NAME} was upset, cries, whimpers during testing, or session was ended due to child distress
 2. {NAME} appeared close to tears during testing

- 3. {NAME} sometimes appeared sad or worried (e.g. furrowed brows, face in hands, frown)
- 4. {NAME} did not appear apprehensive, sad or worried during assessment
- 95. Not applicable

Child does the following at ANY TIME during the assessment (Choose one only)		1. Yes	0. No	95. Not Appli cable
8.6. Aggress towards objects (this includes throwing, tear up paper, break things, banging, spitting)	OB46_y80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.7. Verbal aggression (curse even if in storytelling, use curse words or gestures, threaten)	OB47_y80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.8. Physical aggression (hit, scratch, throw, spit, using object as weapon to shoot at assessor, grab, shove)	OB48_y80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8.9. Across all observations, were there any significant distractions or events that altered the child's performance and meant you coded something differently (e.g. sudden noise, people telling the child to wait or focus)?

(Choose all that apply)

OB49_0_y80 to OB49_8_y80

- 0. No
- 1. Yes, during child questionnaire
- 2. Yes, during anthropometry
- 3. Yes, during the accelerometers
- 4. Yes, during the time use diary
- 5. Yes, during biological samples
- 6. Yes, during the parent child interaction
- 7. Yes, during the NIH toolbox
- 8. Yes, during the sticker game

[Note: Option 0 is an exclusive option and can only be chosen alone.]

8.10. Please refer to your Interviewer Checklist and confirm that you completed all of the following during the interview:

(Choose all that apply)

OB50_0_y80 to OB50_3_y80

- 0. Talked to the mother about whether she received/completed her questionnaire
- 1. Gave the mother the Time Use Diary letter for the child's teacher
- 2. Gave the koha/gift to the child
- 3. Gave **the** parent thank you card and support agencies information to the mother

8.11. Please confirm that following the interview, you have completed all of the following

(Choose all that apply)

OB51_0_y80 to OB51_4_y80

- 0. Entered the number of stickers given to the 'other child' in the Sticker Game into the Child Observation Questionnaire
- 1. Pressed Submit at the end of the Child Observation Questionnaire to complete the child interview
- 2. Checked the storage of the biological samples (as per Interviewer Checklist)
- 3. Submitted the NIH Toolbox data from the iPad to the iCloud
- 4. Submitted the audio recording for parent-child interaction from the iPad to the iCloud

[Interview Note: Questions 8.12-8.17 relate to the completion of the questionnaire. It is not necessary to complete these questions for each child– please complete one set per participant family. For families with twin or triplet participant children, please complete these questions for the first child only.]

8.12. Was an interpreter used?

(Choose one only)

OB4_y80

1. Yes
 0. No → **Go to 8.14**

8.13. Who was the interpreter?

(Choose one only)

OB4A_y80

1. Provided by Growing Up in New Zealand
 2. Family member
 3. Friend
 97. Other (Please specify) _____

8.14. Did the mother have trouble understanding the questions?

(Choose one only)

OB5_y80

1. Yes, a few of the questions
 2. Yes, many of the questions
 0. No

8.15. Was anyone else present during the interview, other than the interpreter, so that answers were affected?

(Choose one only)

OB6_y80

1. Yes
 0. No → **Go to End**

[Interviewer Note: Do not count people who just popped in/out a few times.]

8.16. How many other people were present?

(Choose one only)

OB7_y80

1. 1
 2. 2
 3. 3+

8.17. Who were they (i.e. indicate relationship to child)?

OB8_y80

97. Please specify _____

[Interviewer Note: Do not leave field blank.]