



16-month Data Collection Wave: Main Cohort

Questionnaire

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Growing Up in New Zealand

University of Auckland Tamaki Campus, Bldg 730.313 261 Morrin Road, Glen Innes, Auckland 1072 PO Box 18288, Auckland 1743

Phone: 0508 476 946

Email: contact@growingup.co.nz

www.growingup.co.nz

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16-month call

Birth Mothers

The first questions are about your pregnancy with [name/s], his/her birth, and what might have happened straight afterwards. Today we just want to confirm some of the details of your late pregnancy and the birth of [name]. If you have had another baby or become pregnant again since [insert name] was born, please remember that we are *just* talking about your pregnancy with [insert name], and his/her birth. If you are not sure about any of the questions we are asking, please just ask for them to be explained.

Non Birth Mothers

The first questions are about the development of {NAME}.

IF NOT BIRTH MOTHER - Goto Section C: The child

Section P: Pregnancy

In the first two questions, we would like to just think about the last 14 weeks of your pregnancy with [name] – this period is sometimes referred to as the third or the last trimester.

| | | Yes | No | R | DK | | |
|------|---|------------------|-------------|-------------|--------------|--|--|
| P1 | Thinking about the last 14 weeks of your pregnancy with [name], | 1 | 2 | 98 | 99 | | |
| | during this time were you diagnosed with diabetes – this would | ask | to P2 | to P2 | to P2 | | |
| | be where your doctor, midwife, or other lead maternity carer | P1a & | | | | | |
| | told you that you had diabetes for the first time? | P1b | | | | | |
| P1a | IF P1 = YES And how was this diabetes treated? | Answer: | | 1 | | | |
| | SELECT ALL THAT APPLY | Allswei. | | | | | |
| | 1. Diet | | | | | | |
| | 2. Tablets | | | | | | |
| | 3. Insulin injections | | | | | | |
| | 4. Not treated | | | | | | |
| | 98. Refused | | | | | | |
| | 99. Don't know | | | | | | |
| | | Yes | No | R | DK | | |
| P1b | IF P1 = YES Do you still have diabetes? | 1 | 2 | 98 | 99 | | |
| | , | | | | | | |
| 2 | During this time (IF NECESSARY – the last 14 weeks of your | 1 | 2 | 98 | 99 | | |
| | pregnancy with [name]), were you diagnosed with high blood | to P2a | to P3 | to P3 | | | |
| | pressure by your doctor, midwife or other LMC for the first time? | 10124 | to P3 | 1013 | 1013 | | |
| 222 | IF P2 = YES How was this treated? Answer: | | | | | | |
| P2a | II I Z - I LJ TIOW Was tills treated; | Allswer. | | | | | |
| | SELECT ALL THAT ADDLY | | | | | | |
| | SELECT ALL THAT APPLY 1. Modication | | | | | | |
| | 1. Medication | | | | | | |
| | Medication Hospitalisation | | | | | | |
| | Medication Hospitalisation Induced delivery | | | | | | |
| | Medication Hospitalisation Induced delivery Not treated | | | | | | |
| | Medication Hospitalisation Induced delivery Not treated Refused | | | | | | |
| | Medication Hospitalisation Induced delivery Not treated | Yes | No | R | DK | | |
| | Medication Hospitalisation Induced delivery Not treated Refused Don't know | Yes 1 | No 2 | R 98 | DK | | |
| P2b | Medication Hospitalisation Induced delivery Not treated Refused | Yes 1 | No 2 | R 98 | DK 99 | | |
| | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? | 1 | 2 | 98 | 99 | | |
| | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with | 1 | 2 | 98 98 | 99 | | |
| P2b | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed | 1 | 2 | 98 | 99 | | |
| | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other | 1 | 2 | 98 98 | 99 | | |
| P3 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| P3 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? | 1 | 2 to P4 | 98 98 | 99 | | |
| P3 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY Medication | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| P3 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY Medication Hospitalisation | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| 23 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY Medication Hospitalisation Induced delivery | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| 23 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY Medication Hospitalisation Induced delivery Not treated | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |
| P3 | Medication Hospitalisation Induced delivery Not treated Refused Don't know IF P2 = YES Do you still have high blood pressure? The next question is about any time in your pregnancy with [name]. So at any point in this pregnancy, were you diagnosed with pre-eclampsia or toxaemia by your doctor, midwife or other LMC? IF P3 = YES How was this treated? SELECT ALL THAT APPLY Medication Hospitalisation Induced delivery | 1 1 to P3a | 2 to P4 | 98 98 | 99 | | |

| P4 | How important was it to you to find out the sex of your [CHILD/CHI they were born? | LDREN] b | efore | Answer: | |
|-----|---|----------|-------|---------|----|
| | Very important Quite important A little important Not at all important Refused Don't know | | | | |
| | | Yes | No | R | DK |
| P4a | Did you find out whether you were having a boy(s) or a girl(s) before <child children=""> was [were] born? Interviewer note: If the mother did find out, and the information was wrong (e.g. if they were told they were having a girl, and it turned out to be a boy), still code as 'yes'.</child> | 1 | 2 | 98 | 99 |

| Section | on B: Birth | | | | | | |
|---------|---|---------------------|-----------------------------|-------------|------------------------------|-------------|-------------|
| The n | ext few questions are about [name's] birth – again | , pleas | e do just tl | nink abou | t [name's] | particula | r birth. |
| B1 | your labour induced or brought on? | st on heir wn | Induced | Both | Did not go into labour | R | DK |
| | to | 1 o B2 | 2 to B1a | 3 to B1a | 4 to B2 | 98 to B2 | 99 to B2 |
| B1a | IF B1 = Induced or Both And can you tell me why Interview 1. Overdue 2. Failure to progress 3. Maternal conditions (e.g. diabetes) 4. Fetal conditions (e.g. size, not enough liquor) 5. Other [specify] 98. Refused 99. Don't know | | abour was e: CODE | | | Answe | r: |
| B2 | What type of delivery was [name's] birth? A Normal B Breech C Planned Caesarean [Ask B3] D Emergency or unplanned Caesarean [Ask B4] E Vacuum extraction (Ventouse) F Forceps G Other [specify] 98 Refused [Goto Section BC] 99 Don't know [Goto Section BC] | CO | DE ALL | | | Ans | wers: |

If NOT option ${\bf C}$ or ${\bf D}$, Goto Section ${\bf BC}$

| В3 | IF B2 option "C" SELECTED 'Can you tell me why the Caesarean was performed? | Answer: |
|----|--|-----------------|
| | Interviewer Note: CODE ALL | |
| | 1. Prior Caesarean. | |
| | 2. Convenience or preferred timing. | |
| | 3. Hypertension or high blood pressure. | |
| | 4. Pre-eclampsia or toxaemia. | |
| | 5. Placenta previa. | |
| | 6. Placental bleeding. | |
| | 7. Overly large baby. | |
| | 8. Multiple pregnancy. | |
| | 9. Other [specify] | |
| | 98. Refused | |
| | 99. Don't know | |
| | | |
| | GOTO Section BC | GOTO Section BC |
| | | |
| B4 | IF B2 option "D" SELECTED 'Can you tell me why the Caesarean was | Answer: |
| | performed? | |
| | Interviewer Note: CODE ALL | |
| | 1. Failure to progress. | |
| | 2. Fetal distress. | |
| | 3. Hypertension or high blood pressure | |
| | 4. Placenta praevia | |
| | 5. Placental bleeding | |
| | 6. Overly large baby | |
| | 7. Abnormal presentation (e.g. breech or other abnormal lie). | |
| | 8. Other [specify]. | |
| | 98. Refused | |
| | 99. Don't know | |

The next few questions is thinking about how things were for [NAME] in the first week following the birth.

| Section | n BC: | Complications for baby | |
|---------|-------|--|------|
| BC1 | How v | vas [NAME] after the birth, did he/she have any of the following problems: | |
| | | Interviewer Note: CODE ALL | |
| | | | Tick |
| | Α | No problems [Goto Section C] | |
| | В | Delay in breathing at birth [Ask BC2] | |
| | С | Breathing difficulties or distress in the first week [Ask BC2] | |
| | D | Meconium or meconium aspiration | |
| | Е | Jaundice requiring hospital treatment (e.g. lights) | |
| | F | Infection or suspected infection | |
| | G | Hypoglycemia | |
| | Н | Other [specify] | |
| | 98 | Refused [Goto BC3] | |
| | 99 | Don't know [Goto BC3] | |

| | | | Yes | No | R | DK |
|------|---------------------------|--|----------------|---------------|---------------|---------------|
| BC2 | IF BC | 1 option "B" OR "C" SELECTED Did [name] need any | 1 | 2 | 98 | 99 |
| | help | with his/her breathing from a ventilator? Not just a | to BC2a | to BC3 | to BC3 | to BC3 |
| | 'head | d box' for oxygen. | | | | |
| | | | | | | |
| | | | | | | |
| BC2a | IF BC | 2 = YES Do you know what sort of ventilator was use | | | | Tick |
| | | Interviewer Note: CODE AL I | L | | | |
| | 1 | CPAP | | | | |
| | 2 Full ventilation (IPPV) | | | | | |
| | 98 | Refused | | | | |
| | 99 | Dont Know | • | • | • | |

| | | Yes | No | R | DK |
|------|---|---------|-----------------|-----------------|-----------------|
| ВС3 | Did [name] have to go into a Neonatal Intensive Care Unit | 1 | 2 | 98 | 99 |
| | or Special Care Nursery after he/she was born? | to BC3a | to Sec C | to Sec C | to Sec C |
| | | | | | |
| | | | | | |
| BC3a | IF BC3 = YES And how long did he/she stay there for? | | | 98 | 99 |
| | | Days: | | | |
| | | or | | | |
| | | Weeks: | | | |

| 11011 | we have a couple of questions about some of things | _ | If More than one | child |
|-------|--|------------------|------------------|------------------|
| | | Child 1 Name: | Child 2 | Child 3 Name: |
| C1 | Does [name] walk across the room without help?' | | | |
| | 1. Not yet (Goto C2) | | | |
| | 2. Sometimes (Goto C1a) | | | |
| | 3. Always (Goto C1a) 98. Refused | | | |
| | 99. Don't know | | | |
| C1a | And could you tell me what age [name] was when he/she took their first few wobbly steps? | Age: | Age: | Age: |
| | Age in Months: | | | |
| | 98. Refused | Go to C4 | Go to C4 | Go to C4 |
| | 99. Don't know | | | |
| | | T | | T |
| C2 | Does [name] walk for at least three steps, which can be wobbly, without help? | | | |
| | 1. Not yet (Goto C3) | | | |
| | 2. Sometimes | | | |
| | 3. Often | | | |
| | 98. Refused (Go to C3) | | | |
| | 99. Don't know (Go to C3) | | | |
| C2a | If C2 = sometimes or often: At what age did this first happen? | Age: | Age: | Age: |
| | Age in Months: | | | |
| | 98. Refused (Goto C4) | Go to C4 | Go to C4 | Go to C4 |
| | 99. Don't know (Goto C4) | | | |
| C3 | If C2 = Not Vot DV or Potenced | | | 1 |
| CO | If C2 = Not Yet, DK or Refused Does [name] walk across the room with help | | | |
| | (using furniture or with the hand held)? | | | |
| | (45.11.6 ramitate of with the hand held): | | | |
| | 1. Not yet | | | |
| | 2. Sometimes | | | |
| | 3. Often | | | |
| | 4. 98. Refused (Goto C4) | Go to C4 | Go to C4 | Go to C4 |
| | 5. 99. Don't know (Goto C4) | | | |

Ask for all

| | | Child 1 | Child 2 | Child 3 |
|----|---|---------|---------|---------|
| | | Name: | Name: | Name: |
| C4 | 'Approximately how old was [name] when | | | |
| | he/she said his/her first word? | Age: | Age: | Age: |
| | | | | |
| | Age in Months or NOT for not talking yet: | | | |
| | | | | |
| | (NOT Goto C5) | | | |
| | 98. Refused (Goto C5) | | | |
| | 99. Don't know (Goto C5) | | | |

| | | First Word: | First Word: | First Word: |
|-----|----------------------------------|-------------|-------------|-------------|
| C4a | And what was his/her first word? | | | |
| | | | | |

Ask for all

| | | Child 1 Favourite Foods: | Child 2 Favourite Foods: | Child 3 Favourite Foods: |
|----|--|--------------------------|--------------------------|--------------------------|
| C5 | Could you tell me two of [name's] favourite foods? | | | |
| | | | | |

Siblings

The next questions are about brothers or sisters that [name] may have including half brothers or sisters and step brothers. This would include those who may not be living in your household. It would also include children who may have been adopted out to other families, and children who may not be biologically related to [name] but who you still consider their brother or sister.

Note: Do not include deceased siblings – capture any notes about deceased siblings on the next page

| Section | on S: Siblings | | | | | | | |
|---------|----------------------------|---------------------------|----------------------------|------------|----------|---------------------------------|-------|----------------------|
| | | | | | Ye | s No | R | DK |
| S1 | 'Does [name] have any br | others or sisters | s?' | | 1 | 2 | 98 | 99 |
| | | | | | to S | to CD | to CD | to CD |
| S2 | IF S1 = YES Could you plea | ase tell me how | many broth | ers and/or | Ans | wer: | | |
| | sisters [name] has? | 1 | 1 | T = | <u> </u> | | | |
| | First Name [DK/R] | Gender (M/F) [DK/R] | Year Of Birth [DK/R] | Relations | hip | Lives in same house (Y/N) | | uency sees cipant |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |

1. Full biological brother/sister. 1. Every day. 2. Half biological brother/sister. 2. A few times a week. 3. Adopted brother/sister. 3. Once a week. 4. Whangai – type arrangement brother/sister. 4. Once every two or three weeks. 5. Step-brother/-sister (the child of your partner who is 5. Once a month. not [name's] biological parent). 6. Once every two months. 6. Other [specify] 7. Once every three or four months. 98. Refused 8. Once or twice a year. 99. Don't know 9. Less than once a year. 10. Never. 98. Refused. 99. Don't know.

Frequency sees Participant

Relationships

| Deceased Sibling information (if any volunteered): |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |