

Welcome to
Growing Up in New Zealand's

72 Month Data Access Workshop



Thursday 14 June, 1pm to 3pm

Room 1.1, The Aurora Centre, Level 1, 56 The Terrace, Wellington

Supporting material



**MINISTRY OF SOCIAL
DEVELOPMENT**
TE MANATŪ WHAKAHIATO ORA



Today's workshop

Thank you for joining us for today's *Growing Up in New Zealand* 72 Month Data Access Workshop. The workshop will follow the format below:

Topic	Speaker	Approximate duration
Introduction to <i>Growing Up in New Zealand</i>	Associate Professor Susan Morton, Study Director	15-20 minutes
Introduction to the 72 Month Data Collection Wave	Dr Caroline Walker, GUINZ Acting Research Manager	10 minutes
Important considerations when analysing the 72 Month data	Dr Caroline Walker	10-15 minutes
The data access process – how to get started	Peter Tricker, Information Systems Manager	15 minutes
The eResearch platform	Peter Tricker	10 minutes
Introduction to the data sets	Dr Avinesh Pillai, Data Analytics Manager	20-25 minutes
FAQs and questions from the audience	All	25-30 minutes



*Want to revisit something from today's workshop?
This session is being recorded and will be made
available on Growing Up in New Zealand's website
(www.growingup.co.nz) and YouTube channel: [https://
www.youtube.com/channel/UCPBnBa0SRXtuy4-
Ap6YKITA](https://www.youtube.com/channel/UCPBnBa0SRXtuy4-Ap6YKITA)*

Growing Up in New Zealand sincerely acknowledges the participation and contribution of the study families who so generously share their time and information.

Introduction to Growing Up in New Zealand

Since 2008 *Growing Up in New Zealand* (GUINZ) has been capturing the unique, contemporary life stories of more than 6,800 New Zealand children and their families.

When analysed and viewed through a research lens, these stories provide evidence to underpin policy and decision-making, and positively benefit all New Zealand children, their families and whanau.

To date, more than 90,000 interviews have been carried out and more than 50 million pieces of data collected.

Growing Up is New Zealand's largest contemporary longitudinal study, with a cohort that is broadly generalisable to the wider population. Data collection started before the children were born.

The information collected directly from families during Data Collection Waves (DCWs) captures the complex dynamic interplay of the child's own biology with their wider environments, including their immediate family and whanau, communities, neighbourhoods and their family's societal context. It measures their aspirations, expectations and outcomes across the overlapping domains of education; health and wellbeing; psychosocial and cognitive and culture and identity.

The information is also linked to routinely-held administrative data sets, with appropriate ethical agreement and participant consent. This creates a very rich data source to understand what shapes the development of New Zealand children today.

The study seeks to identify not only risk factors for poor outcomes, but those factors and pathways that confer resilience and optimise development for contemporary New Zealand children – in other words, 'what works?'

Growing Up in New Zealand's multidisciplinary research team includes scientific experts from the Universities of Auckland, Waikato and Otago and Te Whare Wānanga o Awanuiārangī. In addition to the research team (focusing on design and dissemination), a data management and analysis team, field operations team and finance and communications team all contribute to the success and sustainability of the study.

Between 2013 and October 2017 Superu managed the contract for Crown funding for the GUINZ study. Since 1 November 2017, that responsibility has returned to the Ministry of Social Development (MSD), who were the lead agency between 2008 and 2013.



The study's overarching objective is to provide robust scientific evidence about child development in 21st century New Zealand, with utility to inform cross-sectoral policy. *Growing Up in New Zealand* has contributed directly to policy change in multiple areas, including immunisation, paid parental leave, indoor environments and household safety.

The 72 Month Data Collection Wave (DCW)

- First time an electronic questionnaire has been used as the primary mode of data collection
- Relatively high overall participation rate (84%), but lower overall than completion rates achieved in prior face-to-face DCWs (more than 90%)
- Bias in the mothers who participated
- Utility of an electronic questionnaire found to have both limitations and strengths.



The Data Access Process

- All information about the Data Access Process is available on the *Growing Up in New Zealand* website: growingup.co.nz. Just click on the green button on the home page to navigate to:
 - User Guides
 - Data Dictionaries
 - Data Access Forms
- Not an accredited researcher? You are required to familiarise yourself with the data sets either by attending a workshop or watching the on-line presentations.
- To apply for data access, complete the application form and send it to dataaccess@growingup.co.nz



Notes

The working environment

To protect the anonymity of participants and also keep researchers safe, we offer a secure system called the eResearch platform at *Growing Up in New Zealand*:

- Familiar desktop environment
- SPSS, STATA and R are the three software packages available to carry out analyses.

Notes

Publishing

- After writing up your research, you will be ready to publish the results according to the dissemination plan in your original application.
- To do that, fill out an *Application to Publish* form (available on our website) and send it to dataaccess@growingup.co.nz.
- The application needs to go to the Data Access Committee for approval, so allow at least ten working days prior to your publishing or conference date.



Introduction to the data sets

- The current, 72 Month, data release comprises information from mothers in the study when their children were approximately six years old.

- The data available in the data sets is still individual data, not aggregated data.

- When merging or linking data sets, identification keys are key!

- Your essential documents when using the data sets are the:
 - User Guides
 - Data Dictionaries
 - Data Access Forms

These documents are available on the growingup.co.nz website and links to these documents are included in this material (see page 10).

Notes

Links to key documents

General documents

- Learn about *Growing Up in New Zealand's* study design, the diverse cohort and how it was recruited:

<https://academic.oup.com/ije/article/42/1/65/693380>

<http://journals.sagepub.com/doi/10.1177/0163278712462717>

- Read about how the *Growing Up in New Zealand* cohort aligns with all New Zealand births and what this means for informing policy in a contemporary and relevant way:

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1753-6405.12220>

https://cdn.auckland.ac.nz/assets/growingup/research-findings-impact/gunz_calibration_working_doc_2013DEC.pdf

- For a review of key issues associated with the design of longitudinal studies of human development:

<http://journals.sagepub.com/doi/10.1177/0163278707304030>

Data Access documents

- All of the data access forms and documents can be found here:

<http://www.growingup.co.nz/en/access-to-guinz-data/growing-up-in-new-zealand-data-access-guide.html#7d311524b887488d2a7369461d4ca821>

- For the Data Access Protocol:

https://cdn.auckland.ac.nz/assets/growingup/access-to-data/DA_protocol_V11.pdf

- For the External Data Access Application Form:

https://cdn.auckland.ac.nz/assets/growingup/access-to-data/External%20DA%20Application_1003_V.pdf

- For the External Data Access Agreement:

https://cdn.auckland.ac.nz/assets/growingup/access-to-data/External%20DA%20Agreement_1003a_V2.pdf

- For the External Data Access Application to Publish form:

https://cdn.auckland.ac.nz/assets/growingup/access-to-data/Application%20to%20publish_1006_V1.pdf

- For the Amendment to External Application Form:

https://cdn.auckland.ac.nz/assets/growingup/access-to-data/Amendment%20external%20application_1005_V1.pdf

- To view the 72 Month questionnaire:

<https://cdn.auckland.ac.nz/assets/growingup/access-to-data/Questionnaire%20-%2072%20Month.pdf>

- To view earlier questionnaires:

<http://www.growingup.co.nz/en/access-to-guinz-data/growing-up-in-new-zealand-data-access-guide.html#df60b7635733d3b471336ff84f027219>

- To view the current Data Dictionary:

<https://cdn.auckland.ac.nz/assets/growingup/access-to-data/DCW6M%20Data%20Dictionary.html>

- To view earlier Data Dictionaries:

<http://www.growingup.co.nz/en/access-to-guinz-data/growing-up-in-new-zealand-data-access-guide.html#ebd86efc008774e879a01e0783377a7e>

Frequently asked questions

Data Access

Where do I find information on data access?

1. Go to www.growingup.co.nz
2. Click on the green button on the home page to navigate to:
 - User Guides
 - Data Dictionaries
 - Data Access Forms

What do I do when I'm ready to publish?

- Fill out an *Application to Publish* form from the *Growing Up in New Zealand* website
- Send it to the Data Access Coordinator (dataaccess@growingup.co.nz)
- Await approval – usually 10 working days

What if changes are needed to my application?

- Complete an *Amendment to External Application* form (available from growingup.co.nz and linked to from page 10 of this document).
- Send it to the Data Access Committee (DAC).
- Await approval – usually 10 working days

Remote Desktop

How do I get access to the remote desktop?

Once your application has been approved an email will be sent to you and your co-researchers. Then the following steps occur:

1. You will register yourself with the University of Auckland
2. Provisioning on the network takes place
3. You will be asked to log in to the desktop itself. This process will create your working environment and from there we can add the data sets you have been granted access to.

What software is available to do my analyses?

The following software is currently available:

- R and R Studio
- STATA 15
- SPSS Statistics 25

There is also OpenOffice which offers a range of word processing and spreadsheet packages that are Microsoft Office compatible

Can I use my own packages?

If you have an R package, for example, that is not available on the remote desktop, let us know and we will add it for you.

What restrictions are in place on the remote desktop?

The research data must be stored on a University of Auckland system. Therefore, it is not possible to:

- Print
- Access the internet
- Access a LAN/WAN
- Copy and paste to your own machine

Can I link to administrative data?

No. The only data sets available on the remote desktop are those collected by *Growing Up in New Zealand*. You cannot link to third party data sets.

How do I get my outputs checked?

- Place your outputs in your 'Shared' folder.
- Let the Data Access Coordinator know where your output files are.
- They will be downloaded and compliance-checked.
- If approved, they will be sent to you.

Thank you for your attendance today.