

Research Project List

Last updated: 19 December, 2016

Project title	Proposed start date	Expected end date	Applicant	Application type	Status	Project summary
Before we are born	2010	2010	Growing Up in New Zealand Team	Internal	Completed	This is the first Growing Up in New Zealand that described the new generation of children from before they were born
Cohort profile: Growing Up in New Zealand	2011	2012	Growing Up in New Zealand Team	Internal	Completed	The birth characteristics of the <i>Growing Up in New Zealand</i> cohort with those of all New Zealand (NZ) births over a similar time period has been compared, and cohort alignment to current NZ births has been described.
Now we are born	2012	2012	Growing Up in New Zealand Team	Internal	Completed	This report described the development of the new generation of New Zealand children from before they were born until they were nine months of age.
Too many left at risk by current folic acid supplementation use in NZ: Evidence from Growing Up in NZ	2012	2013	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	The use of folic acid during pregnancy utilising New Zealand's contemporary birth cohort study, <i>Growing Up in New Zealand</i> has been described.
Pregnant partners: the other parent of the Growing Up in New Zealand children	2012	2014	Growing Up in New Zealand Team	Internal	Completed	The demography, health, pregnancy behaviours, family histories, and intentions for their children, of the partners who were enrolled antenatally into <i>Growing Up in New Zealand</i> has been described.
Growing Up in New Zealand cohort alignment with all New Zealand births	2012	2014	Growing Up in New Zealand Team	Internal	Completed	The birth characteristics of the <i>Growing Up in New Zealand</i> cohort with those of all New Zealand (NZ) births over a similar time period, and the cohort alignment to current NZ births has been described.
Adherence to MoH nutritional guidelines in pregnancy: evidence from the Growing Up in New Zealand Antenatal Wave	2012	2014	Growing Up in New Zealand Team	Internal	Completed	The adherence to nutritional guidelines by pregnant women in New Zealand and maternal characteristics associated with adherence has been determined.
Maternal and perinatal predictors of newborn iron status	2012	2014	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	The iron status at birth had been described in a subsample of children enrolled in the <i>Growing Up in New Zealand</i> cohort and part of the cord blood study.
Early engagement with a Lead Maternity Carer (LMC): Results from <i>Growing Up in New Zealand</i>	2012	2014	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	The timeliness of lead maternity carer (LMC) engagement was described and factors associated with timely LMC engagement were identified.
Life course determinants of food allergy in New Zealand children	2012	2015	Growing Up in New Zealand Team	PhD	Completed	This project described the epidemiology of childhood food allergies in NZ over the past 20 years and through a qualitative study, determined what strategies are needed for a New Zealand family to cope, adapt and feel fully supported when a child is diagnosed with a food allergy.
Neonatal vitamin D status and acute respiratory tract infections in infancy	2013	2016	Growing Up in New Zealand Team	PhD	Completed	This thesis determined if children with poorer vitamin D status at birth are at increased risk of hospital admission for respiratory tract infections during the first year of life.
Characterising the socio-cultural and economic predictors of paternal investment and future aspirations for their children	2013	2014	Barnaby Dixon-University of New South W	External	Completed	The study seeks to uncover the size of the gender gap in expectations for direct infant care, the degree to which socio-economic and alloparental investment relate to this gap and how these effects predict parental aspirations for their child
The influence of childcare on preschool dietary patterns, eating behaviours and childhood obesity	2013	2017	Growing Up in New Zealand Team	PhD	Project in progress	This thesis proposal is to explore the role of childcare in shaping the dietary patterns and body weight of infants, toddlers and pre-schoolers.
How do early life factors influence and protect social and emotional developmental trajectories?	2013	2017	Growing Up in New Zealand Team	PhD	Project in progress	This project will take a life-course epidemiological approach that seeks to determine and quantify the effects of multiple early-life variables on the socio-emotional developmental trajectories and outcomes of preschool aged children, paying attention to the complex interrelationships of these bio-psychosocial variables and their cumulative effects upon the trajectories, in order to elucidate temporal and causal hierarchies among the variables.
Immunisation decision making during pregnancy by future mothers and fathers	2013	2014	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	How do immunisation intentions and reality differ by demographics and characteristics of families and their relationship with health care services? Where are the biggest differences between intentions and reality for these factors and why do we think they occur? These research questions were investigated in the <i>Growing Up in New Zealand</i> cohort.
Family structure, household composition, and infant and family factors at nine months	2013	2016	Growing Up in New Zealand Team	Internal	Completed	The study is investigating: (1) how is family structure in the antenatal period related to family and environmental/social factors at nine months? (2) how is household composition related to family and environmental/social factors at nine months? and (3) how are both related to infant health and developmental variables at nine months?
Residential mobility following the birth of a child	2013	2014	Growing Up in New Zealand Team	Internal	Completed	This study described the patterns of mobility before and after birth, and identified factors associated with stability and mobility.
Positive growth and development of contemporary Maori Whanau: evidence from <i>Growing Up in New Zealand</i>	2013	2014	Growing Up in New Zealand Team	Internal	Completed	This study is designed to explore in much greater detail the early life development, environmental influences (including antenatally), socioeconomic circumstances and diversity of the Māori participants and to explore how the parental and whanau affiliations, cultural identity, service accessibility (including health care and social support) and contact with cultural institutions (such as marae) influence the growth and health trajectories of these tamariki in the first 9 months.
A profile of the new generation of Asian families: evidence from <i>Growing Up in New Zealand</i>	2013	2014	Growing Up in New Zealand Team	Internal	Completed	This study explored the longitudinal information being collected from Asian families. This provides a unique resource, not available through any other data set. A profile of the Asian <i>Growing Up in New Zealand</i> participants will set up the baseline information about the Asian families of this cohort.
Positive growth and development of contemporary Pacific families: evidence from <i>Growing Up in New Zealand</i>	2013	2014	Growing Up in New Zealand Team	Internal	Completed	This study explored the longitudinal information being collected from Pacific children and their 'anau which provides an unique resource. Where possible, comparisons were made with information from the Pacific Island Families Study (PIFS).
Who's caring for the children? Childcare intentions and realities	2014	2015	Growing Up in New Zealand Team	Internal	Completed	This study would be the first to report on the gap between parents' ideal childcare arrangements and the realities of obtaining childcare once children are born, either in NZ or internationally.
Infant child care-parental expectations and the reality after birth: evidence from <i>Growing Up in New Zealand</i>	2013	2014	Growing Up in New Zealand Team	Internal	Completed	Intentions for care in infancy was measured antenatally and the formal and informal child care environment was determined for the cohort at 9 months of age. The relationship between antenatal intentions and the postnatal reality for families with respect to care for children will be described.
Antenatal parental determinants of early feeding patterns in New Zealand infants	2014	2015	Growing Up in New Zealand Team	Internal	Completed	This study will assist us to understand the parental determinants of early feeding patterns in New Zealand
NZ children's temperament: validation of an infant behaviour questionnaire in a large sample of 9 month olds	2014	2015	Growing Up in New Zealand Team	Internal	Completed	Infant temperament was measured at 9 months using a newly devised very short form of an established scale (IBQ). This study validated this scale using 9 months data only.
Colonisation by <i>S. aureus</i> and <i>S. pyogenes</i> in New Zealand preschool children	2014	2015	Growing Up in New Zealand Team	Internal	Completed	This was the first look at the data obtained from the nose, throat, and skin swabs taken during the 54 months leading light pilot phase. The objective of this project was to describe the colonisation patterns of <i>S. aureus</i> and <i>S. pyogenes</i> in the preschool age group.
Lifecourse and antenatal health of older parents in New Zealand	2013	2015	Bryndl Marriot-University of Otago	External	Completed	This project investigated older parents' life course pathways and antenatal health in New Zealand
Maternal wellbeing during pregnancy-evidence from the Growing Up in New Zealand Antenatal Wave	2014	2015	Growing Up in New Zealand Team	Internal	Completed	The study described the health status of the mothers of the <i>Growing Up in New Zealand</i> cohort, particularly the impact of pregnancy on health and health behaviours and considered the impact of maternal health on early child health outcomes
Exposure to parental mental health problems during the antenatal period and infancy	2015	2016	Growing Up in New Zealand Team	Internal	Project in progress	The study will establish the extent to which the cohort children are exposed to parental mental health problems during pregnancy and during infancy, and explore how mental health problems are associated with early parenthood decisions and experiences.
Factors influencing father-infant closeness	2015	2017	Growing Up in New Zealand Team	Internal	Project in progress	The objectives of the study is to: (1) to investigate the influence of father personality on father-infant closeness, (2) to investigate the influence of infant temperament on father-infant closeness, (3) to investigate whether parental support and father confidence in caring for the child affect father-infant closeness.
Association of maternal age group and maternal vulnerability on contact with social services and receipt of income tested benefits	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The objectives of these analyses are to describe the contact of New Zealand participants with social services (as measured when the cohort children were two years of age).
Internal living environments, household heating and respiratory disease in infancy	2014	2015	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	The study investigated the role of indoor environmental factors on respiratory illness among infants.
Validity of the New Zealand MacArthur communicative development inventories: New Zealand English, Maori, Chinese, Samoan, and Tongan	2014	2016	Growing Up in New Zealand Team	Internal	Project in progress	The objective of the study is to assess the validity of our adaptations of the New Zealand Communicative Development Inventories for New Zealand English, Māori, Chinese, Samoan, and Tongan. This study would present validation information for <i>Growing Up in New Zealand</i> 's adaptations of the MCDI in five languages that New Zealand children commonly speak
Maternal mental health	2014	2016	Growing Up in New Zealand Team	Internal	Project in progress	The objective of the study is to understand how maternal mental health change between the antenatal period and two years post-partum, and to understand how maternal mental health at the antenatal period can affect child outcomes at two years.
Validity of a brief parent-child observation tool for over 6500 families: <i>Growing Up in New Zealand</i>	2015	2016	Growing Up in New Zealand Team	Internal	Project in progress	This methodological paper would present validation information for the parent-child observation tool at 2 years. The objective of the study is to assess the validity of the parent-child observation tool at 2 years.
Are maternal experience of racial discrimination before and during pregnancy associated with birth outcomes and postnatal depression?	2014	2016	Laia Becares- University of Manchester	External	Project in progress	The research project aims to understand the association between racial discrimination and child and mother's health in New Zealand. It is part of a larger study that aims to explore the structuring of ethnic inequalities in child development in child by examining the differential pathways through which social, behavioural and contextual exposures at the individual, neighbourhood, and national level lead to preventable ethnic inequality in the United Kingdom, the United States and in New Zealand
Participation in childcare at 9 months	2014	2016	Julia Arnold-Ministry of Education	External	Project in progress	The study objective is to get a better understanding of who uses childcare at 9 months and why, and to better understand the relationship between parents' participation in the labor force and use of childcare in New Zealand
The quality of the interparental relationship and early nurturant parenting behaviours	2014	2016	Ross Mackay- Ministry of Social Development	External	Completed	This research will aim to develop a set of measures of the interparental relationship and use these to describe the quality of this relationship and to identify other factors in the family's background and circumstances that are associated with poor outcomes in this relationship, including the presence of conflict and violence.
New Zealand Fetal Alcohol Spectrum Disorder (FASD) prevalence study: Feasibility Assessment	2014	2015	Chris Bullen- University of Auckland	External	Completed	To use <i>Growing Up in New Zealand</i> data to investigate the incidence of self-reported alcohol consumption during pregnancy, assess the level of self-reported alcohol consumption before and during the different stages of pregnancy, and to characterise group at highest risk of self-reported alcohol exposure before and during pregnancy
Maternal drinking patterns in a recent New Zealand birth cohort	2015	2015	Jeremy Robertson- SUPERU	External	Completed	The aim of the study is to describe maternal alcohol consumption in a recent NZ birth cohort, to identify the characteristics of mothers who drink and the factors associated with alcohol consumption in this group.

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Why does the decline in immunisation coverage and timeliness with increasing age vary by ethnicity and household deprivation?	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Completed	The aim (s) of the project is to determine the factors that are associated with the widening gap in immunization coverage and timeliness that occurs with increasing age in New Zealand, and whether the factors that contribute to the decline in immunisation coverage with increasing age vary between ethnic and socioeconomic population subgroups.
What is different about pregnant women who do versus do not receive information antenatally about immunisation?	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The study objectives are to describe the characteristics of the women enrolled in <i>Growing Up in New Zealand</i> who antenatally received information about infant immunisation and to compare these women to those who do not receive information about infant immunisation.
The challenges of infancy: maternal mental health, feeding, growth and early sleep patterns	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The research questions are: (1) how are infant sleep, feeding, growth and health associated with maternal depression (both antenatally and at 9 months), and change in maternal depression, (2) do multiple infant regulation difficulties have a stronger association with maternal depression, and (3) what broader family and social factors moderate these associations.
Associations between physical activity before and during pregnancy with birthweight and gestation with child development outcomes during infancy	2015	2016	Growing Up in New Zealand Team	Summer studentship	Project in progress	The study objectives are to investigate the relationship of vigorous physical activity during pregnancy with birthweight and then with psychosocial, cognitive and motor development during early childhood.
Association between sleep, diet, body mass in 2-year old children: Evidence from Growing Up in New Zealand	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	Sleep, diet and body mass are key determinants of child health and development. The study aim is to determine the impact of shorter sleep on dietary intake and body mass during early childhood.
Maternal mental health and stress during pregnancy: associations with birth outcomes	2015	2016	Growing Up in New Zealand Team	Internal	Project in progress	The study is investigating whether maternal depression, stress or anxiety during pregnancy is associated with birth outcomes, and if so what aspects of the pregnancy experience are particularly important, as a focus for healthcare practitioners and future policy and whether ethnic or racial discrimination is a particular source of stress in the prediction of adverse birth outcomes.
The association between breastfeeding duration and hospitalisation for acute respiratory tract infections in infants in NZ	2015	2017	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The study is investigating the association between breastfeeding duration and hospitalization for acute respiratory tract infections (ARI) during infancy. Specific objectives include to (1) investigate the effect of exclusive and partial duration of breastfeeding on hospitalization for ARI in infancy; (2) establish the effect of exclusive and partial duration of breastfeeding on hospitalization for ARI in infancy within each four major ethnic groups in NZ and within population groups defined by socioeconomic status; and to (3) determine if the relationship between breastfeeding and ARI is independent of other factors.
Maternal mental health, child temperament and the mother-child relationship: Evidence from Growing Up in New Zealand	2015	2016	Growing Up in New Zealand Team	Internal	Project in progress	The study describes associations across time between maternal depression (antenatal and 9 months dataset), child temperament, and the quality of the mother-child relationship, both in terms of mother report (9 months and 2 years), and independently observed mother-child interactions (2 years).
Media use of New Zealand infants and toddlers	2015	2016	Growing Up in New Zealand Team	Internal	Project in progress	The objective of the study is to describe the media use of infants and toddlers in New Zealand. The research aims are: how often are New Zealand infants and toddlers engaging with media, and of what types, and how does this media use align with international recommendations for little or no media use for under-2s.
Risk factors for antenatal depression in Pacific pregnant women	2015	2016	Growing Up in New Zealand Team	Summer studentship	Completed	The objective of this research is to understand why Pacific women have such significantly higher rates of antenatal depression compared to European women and to develop a risk profile for antenatal depression in Pacific women.
The highlights and challenges of raising a child under two years of age	2015	2016	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The study will describe the highlights and challenges that parents' report face when raising children aged 9 months versus raising children aged 2 years and to report on how these are highlights and challenges are similar and different for both mothers and partners and across these two time points.
ECE findings from Growing Up in New Zealand: implications for policy translation	2016	2017	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The study is investigating how the types of child care change between 9 months and 2 years, as children approach the age for accessing New Zealand's '20 hours free' childcare at age 3, parents' reasons for utilising (or not utilising) childcare at age 2 will be examined, and how longitudinal researchers can work alongside policy makers to enhance policy translation.
Disrupted lives: Exploring residential mobility and service use	2016	2017	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	This project proposes to analyse the relationship between residential moves and family outcomes, using Growing Up in NZ data up to the 45 month data collection wave. The main outcome of interest is children's connection to and use of services such as primary healthcare, childcare, vaccinations, and Well-Child checks.
Trajectories of child behaviour: Growing Up in New Zealand	2015	2018	Growing Up in New Zealand Team	PhD	Project in progress	The main aim of the research relates to the overarching Psychosocial Domain question: What are the key determinants of the development trajectories that lead to psychosocial competence, and what precipitates either continuity or change in these trajectories?
Child vulnerability in South Auckland	2016	2017	Growing Up in New Zealand Team	Internal (with collaboration)	Project in progress	The aim of this proposal is to examine child vulnerability in the first 1000 days of life, focusing on the Growing Up in New Zealand children that live within the geographical region of South Auckland as defined by The Southern Initiative (Auckland Council). This includes the Māngere-Ōhāhuhu, Ōtara-Papatoetoe, Manurewa and Papakura local board areas. The purpose of this research is to find out whether there are differences between South Auckland and the wider population and whether alternative strategies might be required to improve outcomes for children and families.
The impact of social support for infant relational competencies: Disrupting negative life course trajectories	2016	2018	Jan White- Waikato University	External	Data access approved	This project will investigate relationships between a mother's emotional state and attitude towards her infant, and the development of relational trajectories, including language of her infant over the first two years of life.
How do Dads see their role? Contemporary evidence from Growing Up in New Zealand	2015	2016	Growing Up in New Zealand Team	Internal	Data access approved	This study utilizes results from the 'Who are today's dads?' questionnaire. Establishing the role of contemporary fathers in the lives of their children can inform policy that enables paternal involvement in optimising their children's developmental trajectories.
Relationship between pre-schoolers' emotional understanding and their personality development.	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The study objectives are: (1) to investigate the measuring of emotional understanding with our adapted AKT, and if it discriminates across a large and ethnically diverse cohort, (2) to investigate early predictors of pre-schoolers' emotional understanding, including temperament, preschool attendance etc, (3) to investigate the relationship between pre-schoolers' emotional understanding and their school readiness.
Life course determinants of asthma in NZ children	2017	2019	Growing Up in New Zealand Team	PhD	Data access approved	The thesis will investigate whether environmental modification of genome function acts as a mediator of asthma risk and severity between population subgroups.
Partner conflict during pregnancy: evidence from Growing Up in New Zealand	2015	2016	Growing Up in New Zealand Team	Internal	Data access approved	The study findings will address partner conflict antenatally and associations with partner conflict and violence across time.
Effect of BCG vaccination on respiratory illness in New Zealand children	2015	2016	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The study findings will add to the literature on live vaccine effects on infant and childhood respiratory infections +/- atopic conditions.
The epidemiology of otitis media and the effect of early childhood ear infections on language, cognition and behaviour	2016	2019	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The aim (s) of the study is : to determine if early childhood otitis media has adverse effects on hearing, language, cognitive, social or behavioural development at age 4½ years and, if so, whether the adverse effects of otitis media are potentially preventable by antibiotic treatment or ventilation tube insertion.
Primary care access and use across the preschool years	2016	2017	Growing Up in New Zealand Team	Internal	Data access approved	There is very little existing literature of factors associated with children's primary care engagement during the preschool years, and findings will have direct relevance for targeting healthcare resources towards our more vulnerable families.
What are the risk factors associated with recurrent accidental injury?	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	This project aims to: (i) determine the factors that are associated with (i) children being hospitalised with unintentional injury, and (ii) having recurrent hospital admissions as a result of unintentional injury, (2) whether the factors that contribute to the hospital admissions for unintentional injury vary between population subgroups defined by ethnicity and socioeconomic status.
Mother-child interaction, eating and sleep routines	2015	2016	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The study is investigating whether children who have more routines around eating and sleep are also more self-regulated and have better quality parent-child interaction
Timing of Maternal Stress Exposure and Early Childhood Obesity	2016	2017	Growing Up in New Zealand Team	Internal	Data access approved	The study is investigating how prenatal and postnatal maternal stress impact development of early childhood obesity at age 5?
Te Whāriki: Predicting Success in Children's Well-Being (behaviour), Communication (language), and Exploration Development (cognition)	2016	2017	Growing Up in New Zealand Team	Internal	Data access approved	This study will describe cross-sectional and longitudinal associations between children's dispositions (9 months, 2 years, 4 ½ years), parental aspirations (antenatal and 4 ½), parental work status and relationships (9 months, 2 years, 4 ½ years), parent-child interactions (9 months, 2 years, 4 ½ years), and early childhood education experiences (antenatal intentions, 9 months, 2 years, 4 ½ years) in relation to children's well-being (behaviour), communication (language), and exploration (cognition) (9 months, 2 years, 4 ½ years).
Sleeping patterns at age 2 years and relationship with child behaviour and development at school entry age	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The aims of this project are to (i) describe the range of sleep patterns in contemporary New Zealand children at age 2 years and how these vary with child and family characteristics; and (ii) determine whether sleep patterns in the first two years of life are independently associated with behaviour and development at school entry age.
If you are a terrible infant will you be a terrible pre-schooler? Children's temperament and their behaviour over time in the Growing Up in NZ Study	2015	2016	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	This study will investigate the structure of temperament at age 4 and temperament development over time.
Understanding the impact of childhood disability on families	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	This project will describe the behaviours of families and impacts upon families of having a child with a disability. The research will help to assess the effects on well-being, working situation and relationships for the parents of children with disability.
Folic acid intake and the developmental origins of health and disease: A comparison between birth cohort studies in Brazil and New Zealand	2016	2017	Growing Up in New Zealand Team	PhD	Data access approved	There is growing interest in maternal micronutrient status. Since the 1970s, studies have shown relationships between decreased maternal levels of folate and an increased risk of neural tube defects in the fetus. This study will compare the Growing Up in New Zealand antenatal folic acid intake data with ProcrIAr Study data (a birth cohort conducted in São Paulo, Brazil).
The role of media exposure in early childhood development. Incorporating Measures of Familial Economic Behaviour into Household Human Capital Production Functions	2016	2019	Growing Up in New Zealand Team	PhD	Data access approved	The broad aim of this study is to investigate the determinants and impact of exposure to electronic media for children aged 0- 5, using Kotchick and Forehand's (2002) model of the ecology of parenting.
The relationship between early screen use and health and behavioural outcomes in pre-schoolers	2015	2016	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The main study objective is to measure the role of familial and whānau prosocial and cultural expectations in maternal and paternal altruistic actions related to child health and to develop a household production function of child health which delineates and values altruistic actions influencing child health.
Preschool Nutrition and Physical Activity in Home and Early Childhood Education Environments	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The research attempts to answer the following questions: (1) what are the screen-use behaviours of contemporary New Zealand pre-schoolers? (2) are there socioeconomic and/or ethnic differences in screen-use behaviours in New Zealand? (3) are there any associations between screen use in the first two years of life and pre-school health/cognitive/psychosocial outcomes? (4) what populations are at high risk for heavy screen use in very young New Zealanders?
Parent-child interaction and children's language and literacy development in the pre-school years: a longitudinal study.	2016	2017	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	The study will examine the nutrition and physical activity environments within the mesosystem of home and Early Childhood Education settings for a subsample of 1188 Growing Up in New Zealand children (those for which we have collected additional data from their main childcare provider in the Kai Time in ECE online survey).
Who are Today's Dads?	2015	2016	Growing Up in New Zealand Team	Internal with collaboration	Data access approved	This study is divided into 3 parts: (1) determining parent-child learning interactions: associations with parent-child relationships and interactions across the preschool years, (2) how does early child temperament relate to parent-child learning interactions and children's language and cognitive outcomes?, (3) determining longitudinal predictors of child language and literacy at 4 ½ years: understanding children readiness.
						The key aim of the project is to understand the role of fathers in contemporary NZ families with school-aged children with respect to the three constructs of availability, engagement & responsibility.

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Now we are four	2016	2017	Growing Up in New Zealand Team	Internal	Data access approved	This study provides a summary report of the GUINZ cohort at 4.5 years of age. This report will highlight key descriptive statistics from each of the six research domains.
Low incomes, material hardship and child family outcomes in the GUINZ cohort: an early analysis using the antenatal and 9 months interviews	2016	2018	Clare Dominick- Ministry of Social Development	External	Data access approved	The immediate aim of this research is to use Growing Up in New Zealand data to identify child and maternal outcomes (from 9 months data) that are associated with poverty and material hardship taking into account socio-demographic, behavioural and other contextual factors (starting from the antenatal period).
Using the Growing Up in New Zealand data to understand NZ's growing ethnic diversity	2016	2017	Jeremy Robertson- SUPERU	External	Pending approval	This research is designed to understand the demographic processes contributing to the increasing ethnic diversity of New Zealand's population. It will examine how ethnic identity is transmitted across generations.
Fertility trends, changing maternal characteristics, and mother's support for early childhood education in six countries	2016	2019	Robert Crosnoe- University of Texas	External	Data access approved	The purpose of this study is to test a life course- influenced model on the linkages among key characteristics of individual mothers (e.g. age, parity, marital status etc.), population trends in those characteristics in their home countries, and their management of young children's early learning and educational opportunities (e.g. cognitively stimulating parenting, enrolment in early education programs) in a set of English-speaking countries (Australia, Canada, Ireland, New Zealand, United Kingdom, United States).
The role of maternal diet on the development of GDM and its influence on child outcomes	2016	2018	Growing Up in New Zealand Team	PhD	Data access approved	The aim of this PhD is to explore the dietary management of GDM in New Zealand through three projects. First, using data from the Growing Up in New Zealand study to identify the dietary patterns of women with GDM and compare this with the dietary patterns of women without GDM to determine whether there is a particular dietary pattern that is associated with a decreased or increased risk of GDM in New Zealand and whether these dietary patterns influence child outcomes at birth, nine months, and two years of age. Secondly, dietetic services and practice in the management of GDM have been evaluated through a nationwide survey. Lastly, a mixed-methods study will evaluate the nutrition knowledge of women with GDM, whether dietetic intervention leads to changes in nutrition knowledge and explore the perceptions, barriers and enablers of following dietary recommendations of women with GDM.
Ethnic disparities in infectious disease hospitalisation in the first year of life	2014	2016	Growing Up in New Zealand Team	Internal with collaboration	Completed	The study identified risk factors for infectious disease hospitalisation in infancy within the Growing Up in NZ cohort, and identified differences in risk factors between ethnic groups.