

He Tohu Ora

He Tohu Ora presents indicators that reflect a Māori view of wellbeing

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He Tohu Ora was developed in liaison with Ngāi Tahu and Te Pūtahitanga o Te Waipounamu (the Whānau Ora commissioning agency for the South Island) and the name was gifted by Ngāi Tahu. Indicators were selected on the basis of a te ao Māori worldview and the availability of suitable quantitative data. Three different data sources are used in He Tohu Ora: Te Kupenga (2013 and 2018), a survey of Māori wellbeing across New Zealand conducted by Statistics New Zealand; the Census of Population and Dwellings (2018); and the Canterbury Wellbeing Survey (2012–2020), which is produced by the Canterbury District Health Board.

Due to small numbers for some regional-level data, Te Kupenga data should be interpreted with some caution. This is discussed in detail in the metadata.

BACKGROUND

As described by Te Whare Tapa Whā model of health, Māori wellbeing encompasses taha wairua (spiritual health), taha tinana (physical health), taha hinengaro (mental/emotional health) and taha whānau (family health) [1]. Further dimensions of Māori health are illustrated by Te Pae Māhutonga model of health promotion, which includes mauriora (cultural identity), te oranga (participation in society), toiora (healthy lifestyles), waiora (physical environment), ngā manukura (community leadership), and te mana whakahaere (autonomy) [2]. Te Pae Māhutonga highlights the importance of other determinants of health, for example mauriora and culture, which is a central determinant of Māori health and wellbeing [3]. Mauriora is reflected in the Index through indicators reflecting cultural identity and participation in Māori society.

Both Te Whare Tapa Whā and Te Pae Māhutonga are holistic models of health that recognise the interrelated nature of aspects of wellbeing. For example, a contaminated water or food source might affect environmental, physical and spiritual wellbeing. To experience good health, all aspects of wellbeing need to be strong and balanced [4].

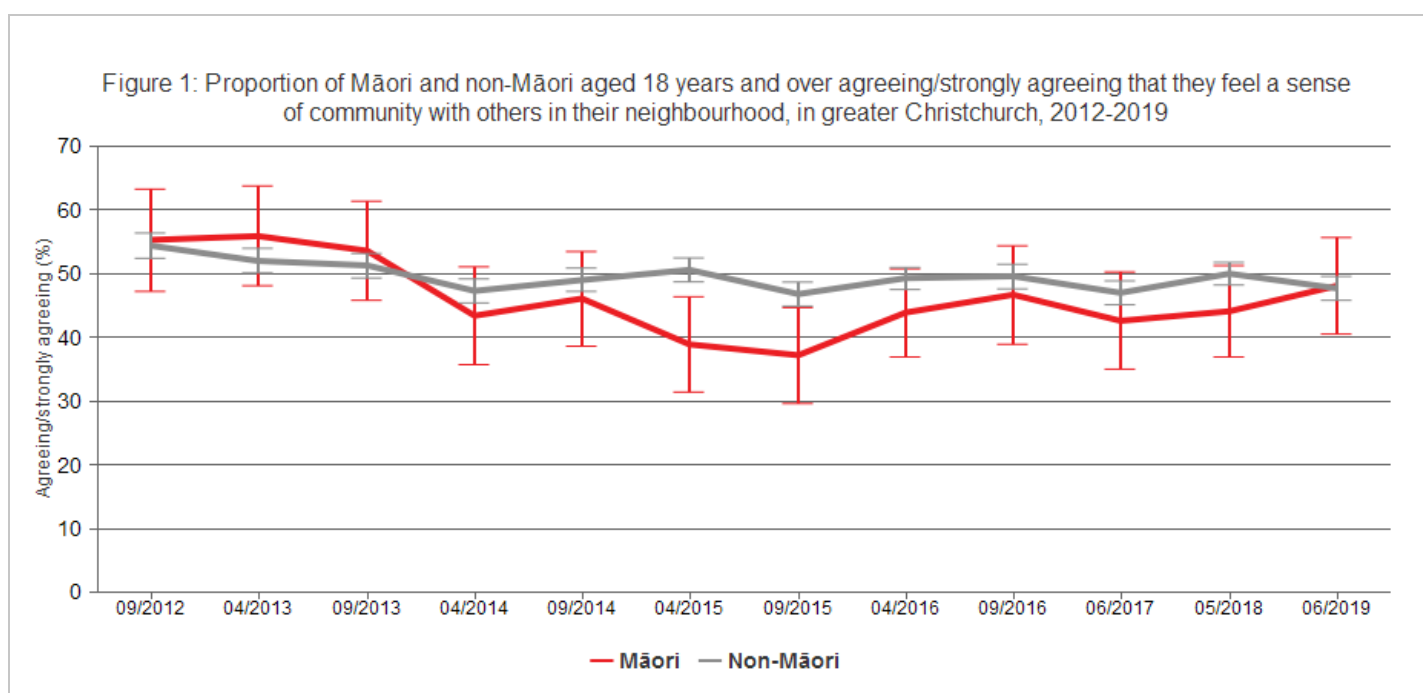
Whānau is a core aspect of wellbeing for Māori. Whānau can extend beyond immediate family and households to include extended family, neighbours, close friends and even communities [5]. Being in regular contact with whānau may provide an individual with maanaki (support, hospitality and care), access to Māori culture, and sense of identity [5]. The Whānau Ora outcome framework has informed indicator selection for He Tohu Ora. Whānau Ora is a nationwide initiative that provides a whānau-focused and strengths-based approach to support whānau development. It is built on a Māori cultural foundation and utilises the collective strengths and capabilities of whānau to achieve better outcomes in areas such as health, education, housing and employment [6]. Whānau Ora is achieved when whānau are: self-managing and empowered leaders; living healthy lifestyles; participating fully in society; confidently participating in te ao Māori; economically secure and successfully involved in wealth creation; cohesive, resilient and nurturing; and responsible stewards of their natural and living environments.

SENSE OF NEIGHBOURHOOD

This indicator measures the extent to which a person feels a sense of community with others in their neighbourhood. It reflects the importance of belonging as a form of social capital, which in turn has a positive effect on health and wellbeing [7, 8]. Within te ao Māori, manaakitanga (support, hospitality and care), tautoko (support), and kotahitanga (unity and solidarity) are important values to have within a community of any form [9]. Within a neighbourhood, this might mean checking on an elderly neighbour, participating in neighbourhood groups (for example neighbourhood watch), or interacting with people from your neighbourhood.

The Canterbury Wellbeing Survey asked respondents the extent to which they agree or disagree that they feel a sense of community with others in their neighbourhood [10]. There were five response options, ranging from strongly agree to strongly disagree.

This indicator presents the proportion of Māori and non-Māori survey respondents who reported agreeing/strongly agreeing that they feel a sense of community with others in their neighbourhood.



The figure shows that, since 2012, the proportion of respondents reporting feeling a sense of community with others in their neighbourhood has declined for both Māori and non-Māori respondents. The proportion peaked in the two years following the 2011 Christchurch earthquake (non-Māori 54.4% in 2012 and Māori 55.9% in 2013). Prior to 2014, a higher proportion of Māori respondents reported feeling a sense of community with others in their neighbourhood than non-Māori, however in 2014, the Māori proportion (43.4%) dropped below the non-Māori proportion (a decline of 10 percentage points). Both Māori and non-Māori respondents reported the lowest sense of community with others in their neighbourhood in September 2015 (37.2% and 46.8%, respectively). Since 2015, sense of community for Māori respondents has improved, slightly exceeding the non-Māori level in June 2019 (Māori 48.1% and non-Māori 47.4%). Throughout this time period, the proportion for Māori has shown greater variation than the proportion for non-Māori, due to smaller absolute numbers. The differences between Māori and non-Māori respondents are not statistically significant over the time-series, with the exception of April 2015.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

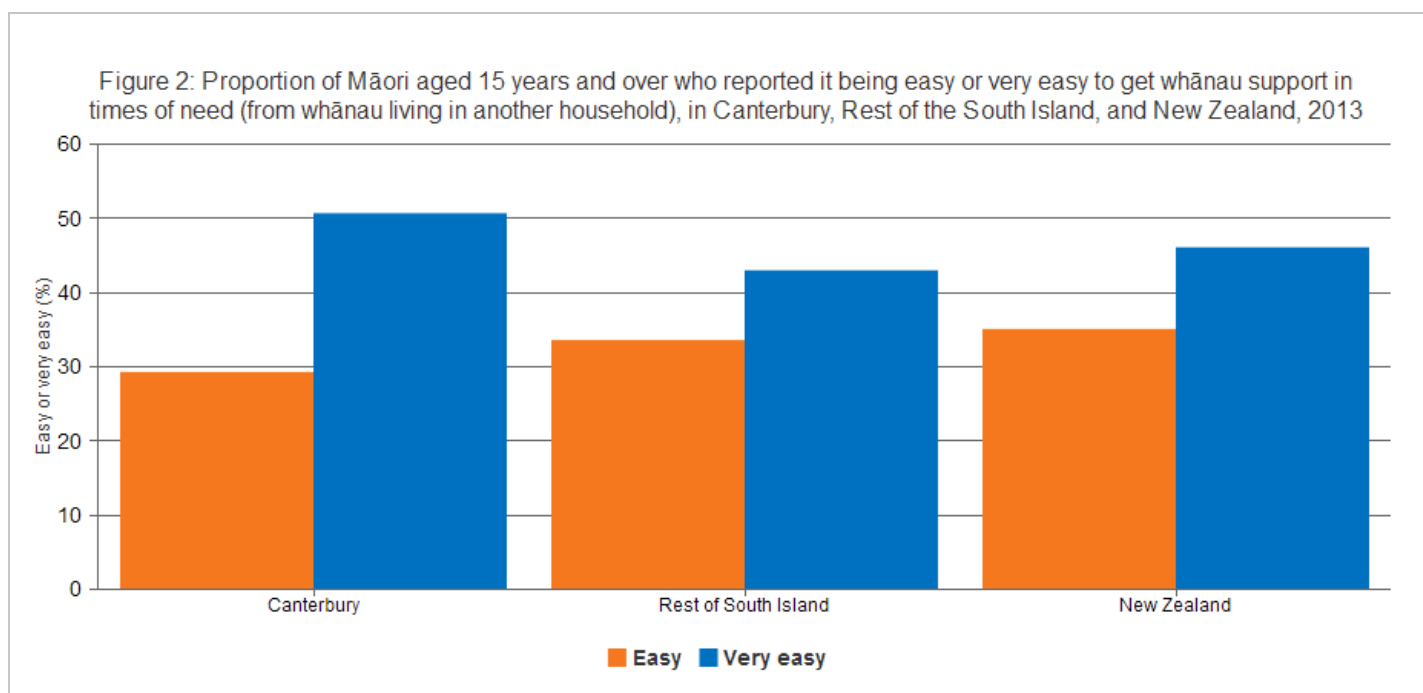
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

WHĀNAU SUPPORT

Having whānau support in times of need allows people to have material and emotional support, both of which influence health and wellbeing [11]. From a te ao Māori perspective, manaakitanga (showing respect, generosity and care for others) is an important aspect to achieve individual and whānau wellbeing [1]. Not only is it important to receive care from whānau but also to reciprocate that care, particularly towards those who may have greater need, such as younger and older members of whānau [1].

Te Kupenga 2013 asked respondents how easy or hard it would be for them to find someone to help them in times of need (e.g., when they have serious illness) [12]. There were five response options ranging from very easy to very hard.

This indicator presents the proportion of survey respondents who reported it being easy or very easy to get whānau support in times of need, from whānau living in another household.



In 2013, the majority of respondents for Canterbury (80%), the rest of the South Island (76.7%) and New Zealand (81.2%) reported it was easy or very easy to get whānau support in times of need (from whānau living in another household). Canterbury (50.7%) had the highest proportion reporting it was very easy to get whānau support followed by New Zealand overall (46.1%) and the rest of the South Island (43%).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

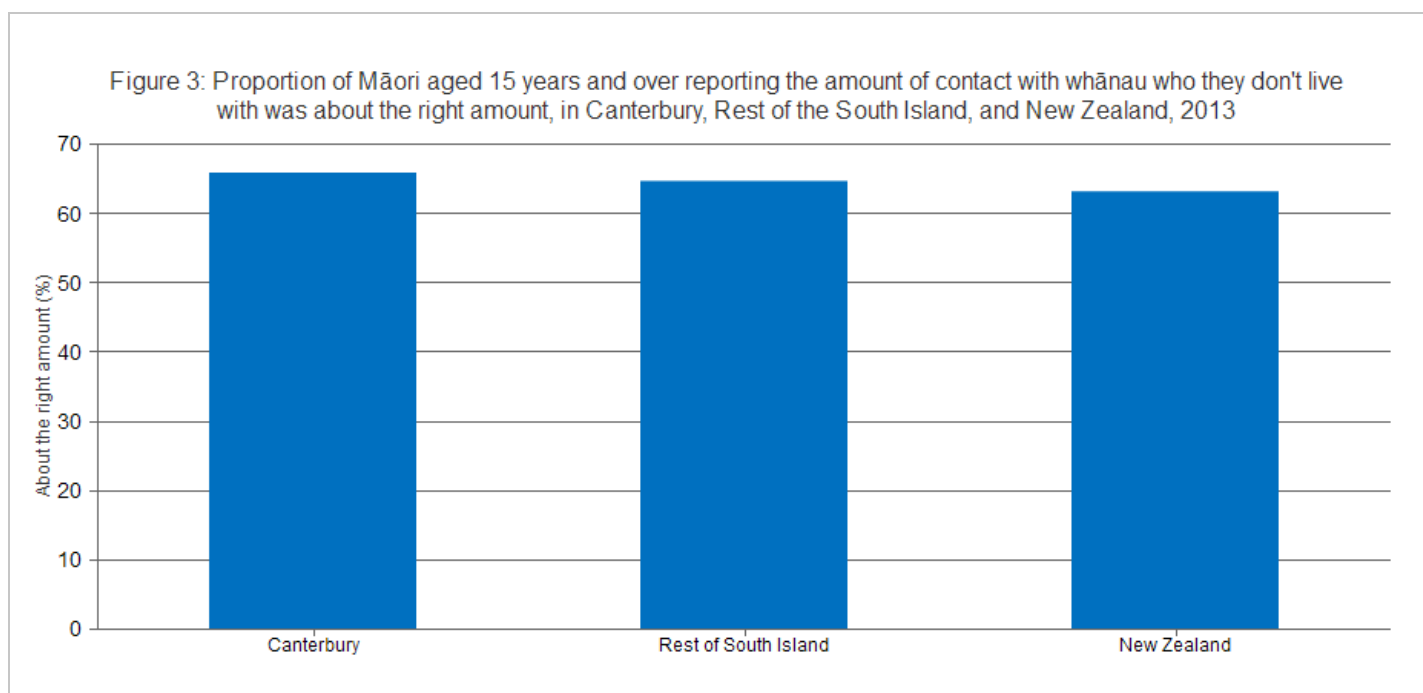
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

WHĀNAU CONTACT

Having strong whanaungatanga (relationship and kinship) is an important dimension of Māori wellbeing. Strong relationships within whānau can provide physical and emotional support, collective action, and a strong sense of identity [3, 5]. Regular contact with whānau who live outside the home is also an important factor for life satisfaction [13]. Contact with whānau may be face-to-face or by utilising technology to communicate. This indicator measures respondents' level of satisfaction with whānau contact, rather than the amount of contact.

Te Kupenga 2013 asked respondents to consider all types of contact they have with whānau who they do not live with and, overall, if the contact was too much, the right amount, or not enough [12].

This indicator presents the proportion of survey respondents reporting the amount of contact with whānau living in another household was about the right amount, during the past four weeks.



The figure shows that for all three areas in 2013, the majority of respondents reported the contact they had with whānau who they don't live with was about the right amount. Canterbury respondents had a slightly higher proportion (65.9%) than the rest of the South Island and New Zealand, where the proportion was 64.7 percent and 63.2 percent, respectively.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

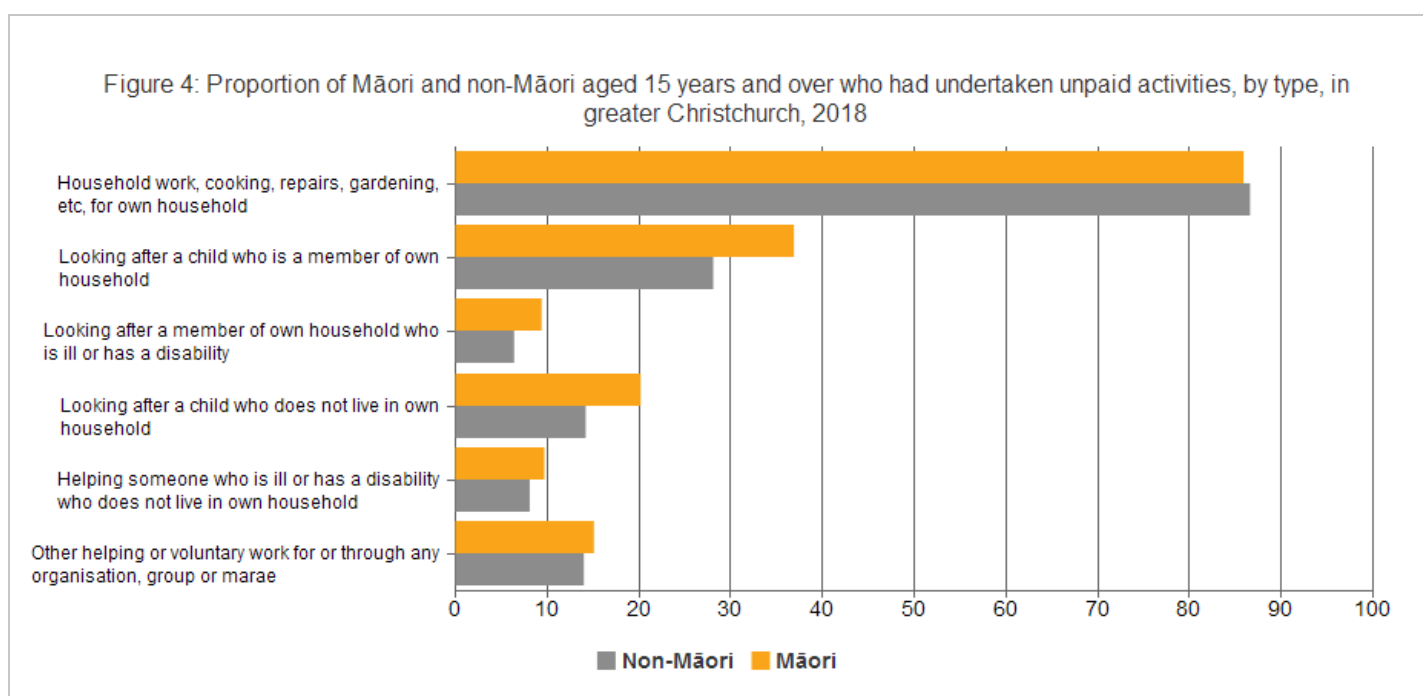
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

UNPAID ACTIVITIES

Unpaid activities may include domestic activity, unpaid child care, aged care and care of people with disabilities. From a Māori worldview, manaakitanga (showing respect, generosity and care for others) and whanaungatanga (relationship and kinship) are important values that contribute to individual and whānau wellbeing [1]. Manaakitanga also extends to participation in the wider society, for example helping out at local marae, schools, churches or sports clubs.

The 2018 Census asked respondents which activities, from a list of options, they had done within the past four weeks, without pay [14].

This indicator presents the proportion of Māori and non-Māori adults who had undertaken unpaid activities in the past four weeks in greater Christchurch.



The figure shows that Māori in greater Christchurch took part in more unpaid activities than non-Māori, at the time of the 2018 Census. The most notable differences between Māori and non-Māori, by type of activity, were for looking after a child who does not live in their own household (Māori 20.2%; non-Māori 14.2%) and looking after a child who does live in their own household (Māori 36.9%; non-Māori 28.1%). Additionally, more Māori had helped someone who is ill or has a disability, from both their own household (Māori 9.4%; non-Māori 6.4%) and from another household (Māori 9.7%; non-Māori 8.1%). Similarly, a higher proportion of Māori than non-Māori had undertaken other helping or voluntary work for or through an organisation, group, or marae (15.1% Māori; 14.0% non-Māori).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Census of Population and Dwellings. Access publicly available data from the Statistics New Zealand website www.stats.govt.nz/2018-census/

Source data frequency: Census conducted every 5 years.

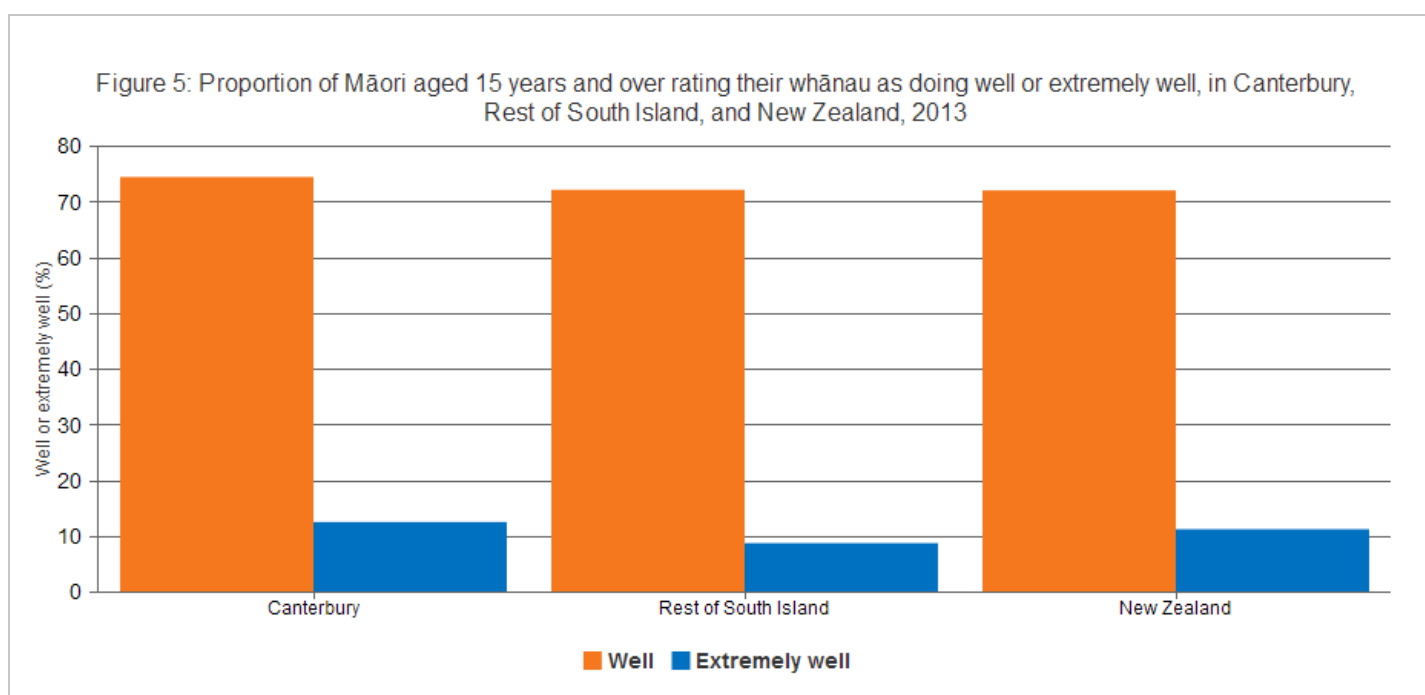
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

WHĀNAU WELLBEING

Whānau wellbeing is a measure of how well an individual thinks their whānau is doing. There is an interdependence between whānau wellbeing and individual wellbeing [15]; for whānau to flourish collectively, each individual member must be well and thriving. Māori who report very high levels of life satisfaction are more likely to report very high whānau wellbeing, than those with overall low life satisfaction [15]. Other contributors to whānau wellbeing include whānau: heritage, wealth, capability, cohesion, connectedness and resilience [3, 16]. The significance of whānau wellbeing has been recognised in evidence, policy and programmes, such as Whānau Ora, a nationwide initiative that provides a whānau-focused and strengths-based approach to supporting families and whānau.

Te Kupenga 2013 asked respondents to think in general how their whānau was doing, rating them on a scale of zero (extremely badly) to ten (extremely well) [12].

This indicator presents the proportion of respondents who rated their whānau as doing well or extremely well.



The figure shows that in 2013 a majority of respondents reported their whānau was doing well, with similar proportions found in Canterbury (74.5%), the rest of the South Island (72.2%) and New Zealand (72.1%). Canterbury had a slightly higher proportion of Māori reporting their whānau was doing extremely well (12.6%), which was 3.8 and 1.3 percentage points higher than the rest of the South Island (8.8%) and New Zealand (11.3%), respectively.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website

www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

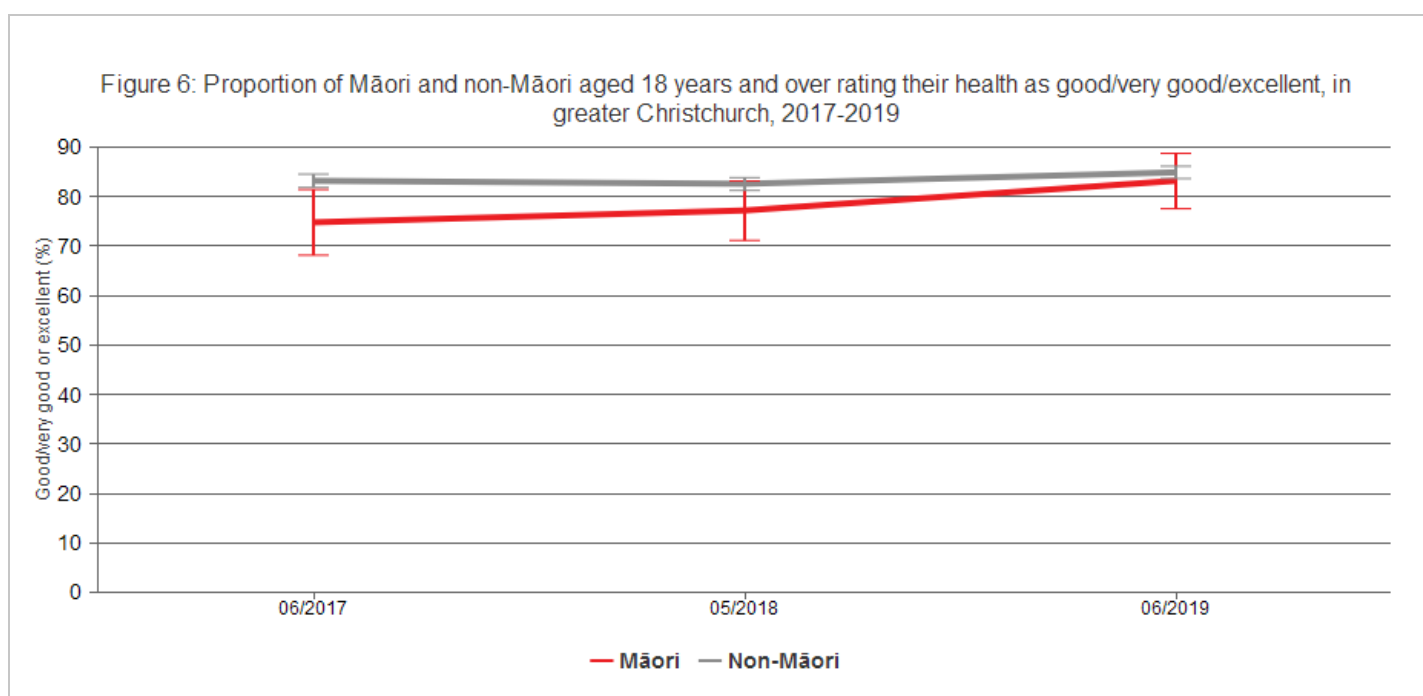
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

SELF-RATED HEALTH

Self-rated health allows respondents to weigh together the different aspects of health that they consider most important [17]. A person's self-rated health is therefore shaped by their cultural perspective. For example, from a Māori worldview taha wairua (spiritual health) is an essential component of good health. As the aspects of wellbeing are connected, they cannot be compartmentalised, therefore to experience good health all aspects of wellbeing need to flourish [4].

The Canterbury Wellbeing Survey includes the question 'In general, how would you rate your health?' [10]. The question has five response options, ranging from poor to excellent.

This indicator presents the proportion of Māori and non-Māori survey respondents reporting good/very good/excellent self-rated health in the Canterbury Wellbeing Survey. Note that this question was first included in 2017.



This figure shows that a statistically significantly higher proportion of non-Māori respondents reported their health as good, very good or excellent than Māori respondents in 2017 (non-Māori 83.2% and Māori 74.8%). Since 2017, the proportion of Māori respondents rating their health as good, very good or excellent has increased steadily towards the non-Māori proportion. There is no statistically significant difference between the groups in 2018 and 2019 (non-Māori 84.9% and Māori 83.2%, 2019).

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

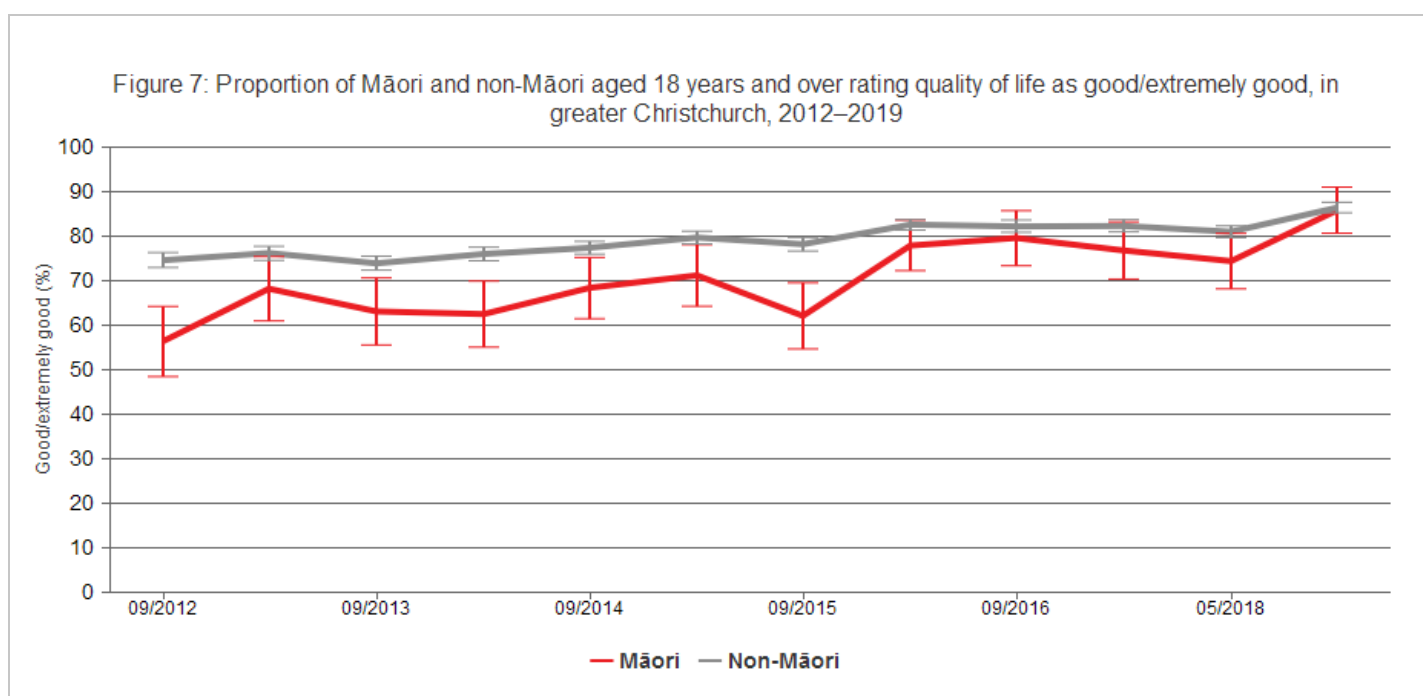
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

QUALITY OF LIFE

Overall quality of life is a broad concept that refers to a person's subjective evaluation of their own circumstances and experience of life, which is embedded in a cultural, social and environmental context. Although this concept is not specific to Māori, it aligns with the te ao Māori perspective of holistic wellbeing, which includes physical, mental/emotional, spiritual, and whānau wellbeing [1]. For Māori, connection to whenua (land) is an important contributor to quality of life [18].

The Canterbury Wellbeing Survey includes the question 'Would you say that your overall quality of life is...' with five response options, ranging from extremely poor to extremely good.

This figure shows the proportion of Māori and non-Māori survey respondents who rated their quality of life as good/extremely good.



The figure shows that since 2012, both Māori and non-Māori respondents' quality of life has increased overall. However, the proportion for Māori has remained consistently below the proportion for non-Māori (Māori 85.8% and non-Māori 86.4% in 2019). The largest differences between the two groups were noted in September 2012 (Māori 56.4%; non-Māori 74.6%) and September 2015 (Māori 62.1%; non-Māori 78.2%). Throughout the survey time period, the proportion for Māori has shown more variation than the proportion for non-Māori, due to smaller absolute numbers. The difference between Māori and non-Māori has been statistically significant at several time points (September 2012, September 2013, April 2014, September 2014, and September 2015) but there have not been any significant differences since April 2016.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

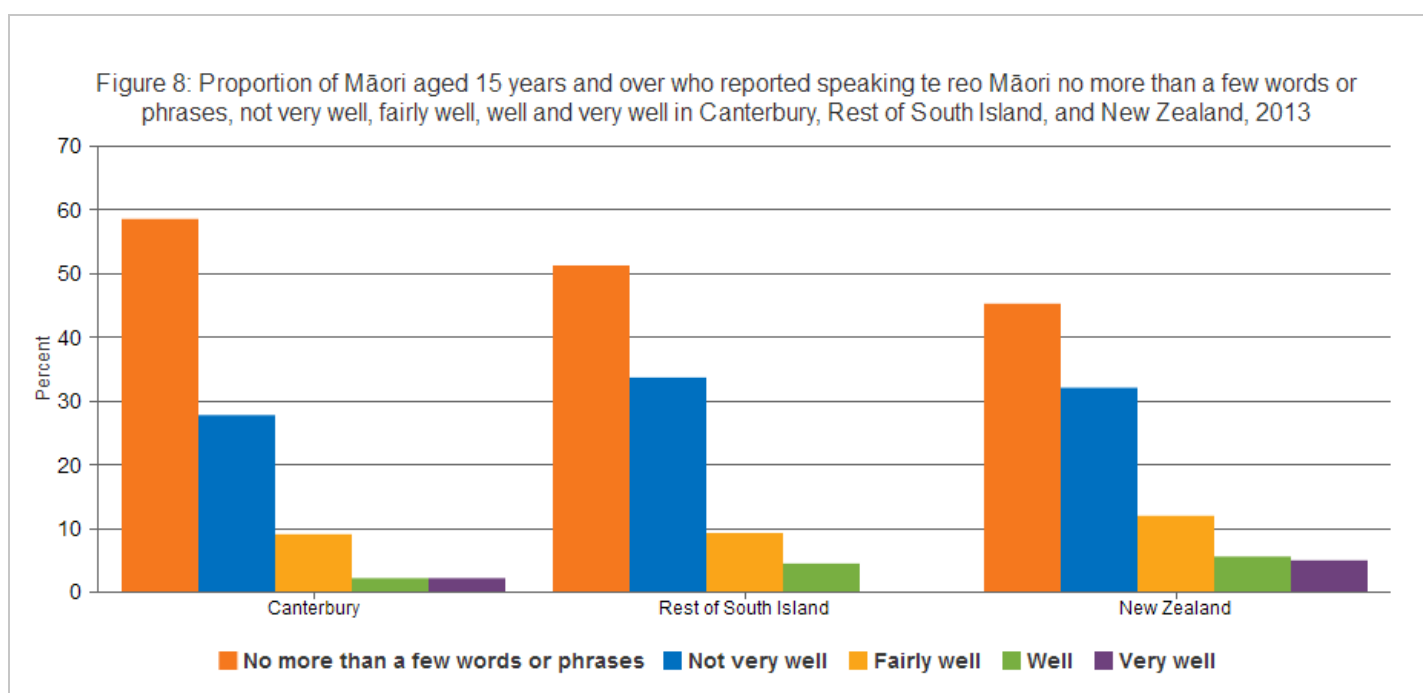
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

TE REO MĀORI SPEAKING

Māori language is a measure of cultural resource and a contributor to cultural identity [1]. For Māori, high levels of cultural efficacy (including speaking te reo Māori, marae protocol and Māori heritage) have been found to be associated with better emotional wellbeing [19]. However, over the last century, the proportion of Māori speakers has declined significantly. In the 2013 Census, 21.3 percent of all Māori reported they could hold a conversation in te reo Māori, a decrease of 3.7 percentage points from 1996 [20]. This declining proportion has sparked efforts to revive te reo Māori among Māori, through community and national initiatives, such as the provision of free te reo Māori language courses and increased funding for Māori television [21].

Te Kupenga 2013 asked respondents how well they were able to speak te reo Māori in day-to-day conversation [12]. The questions had five response options ranging from no more than a few words or phrases to very well.

This indicator presents the proportion of respondents who reported speaking te reo Māori no more than a few words or phrases, not very well, fairly well, well, and very well.



The figure shows that in 2013, there were higher proportions of respondents who reported speaking te reo Māori very well (5%), well (5.6%), or fairly well (12%) at the national level compared with Canterbury and the rest of the South Island. A majority of respondents in Canterbury (58.6%) and the rest of the South Island (51.3%) reported speaking no more than a few words. This compares to 45.3 percent at the national level (a difference of 13.3 and 6 percentage points, respectively).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

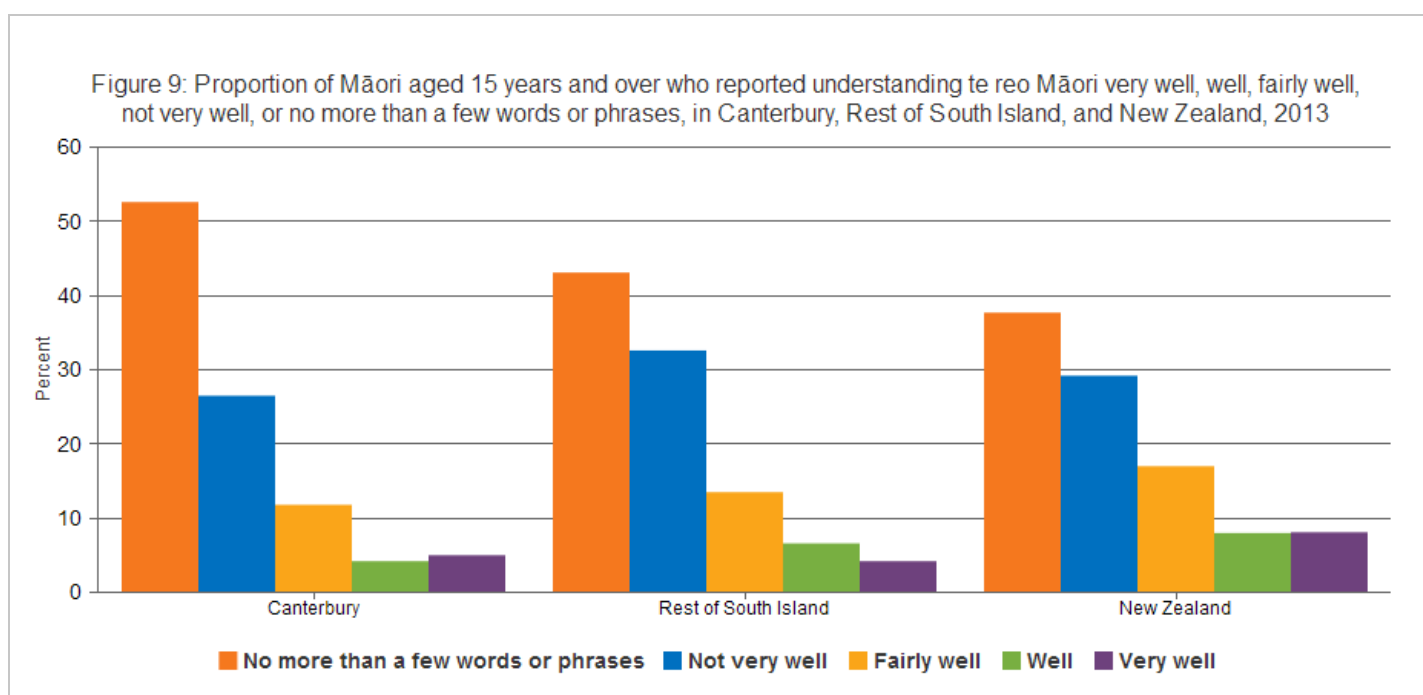
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

TE REO MĀORI UNDERSTANDING

Māori language is recognised as an important cultural resource which contributes to an individual's cultural identity and sense of 'being Māori' [1]. For Māori, high levels of cultural efficacy (including speaking te reo Māori, Māori heritage, and tikanga me kawa (protocols and processes, including marae protocol) have been found to be associated with better emotional wellbeing [19]. While some Māori may feel whakamā (shy or embarrassed) about speaking te reo Māori – if they are not fluent and are fearful about getting it wrong, particularly those learning later in life – they may still take pride in hearing and understanding the language [22]. This indicator reports on te reo Māori understanding, rather than speaking, noting the distinction between these two aspects of wellbeing.

Te Kupenga 2013 asked respondents how well they are able to understand Māori in day-to-day conversation [12]. The questions had five response options ranging from no more than a few words or phrases to very well.

This indicator presents the proportion of respondents that reported understanding te reo Māori very well, well, fairly well, not very well, or no more than a few words or phrases.



In 2013, higher proportions of respondents reported understanding te reo Māori very well (8.1%), well (8%), or fairly well (17%) at the national level compared with Canterbury and the rest of the South Island. Five percent of Canterbury respondents reported understanding te reo Māori very well, compared with 4.2 percent for the rest of the South Island. A majority of respondents (52.6%) from Canterbury reported understanding no more than a few words or phrases, a proportion that was higher than the rest of the South Island and New Zealand (by 9.5 and 14.9 percentage points, respectively).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website

www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

TRIBAL IDENTITY

Tribal identity relates to whether an individual knows and identifies with an iwi (tribe) and hapū/rūnanga (subtribe/marae councils). Knowing one's iwi and hapū may strengthen cultural identity for whānau and individuals by increasing their access to and participation in te ao Māori [5]. Iwi and hapū identity may be a gateway for cultural engagement opportunities such as kapa haka, access to marae, or knowledge about whakapapa (ancestral heritage) [5]. Additionally, connection to hapū or taura here groups (iwi entities that exist outside their own region) may enable access to social services and health promotion.

Te Kupenga 2013 asked respondents to indicate whether they knew their iwi and hapū [12].

This figure shows the proportion of respondents who knew their iwi and hapū.



The figure shows that in 2013 a majority of respondents for each of the three geographical areas indicated that they knew their iwi (tribe) but a significantly smaller proportion knew their hapū (subtribe). Eighty-five percent of Canterbury respondents reported knowing their iwi, which was a slightly lower proportion than the rest of the South Island (90.1%) and New Zealand (89%). Just over half (54.9%) of all respondents at national level reported knowing their hapū. This proportion was 13.9 and 13.6 percentage points higher than respondents from Canterbury and the rest of the South Island, respectively.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

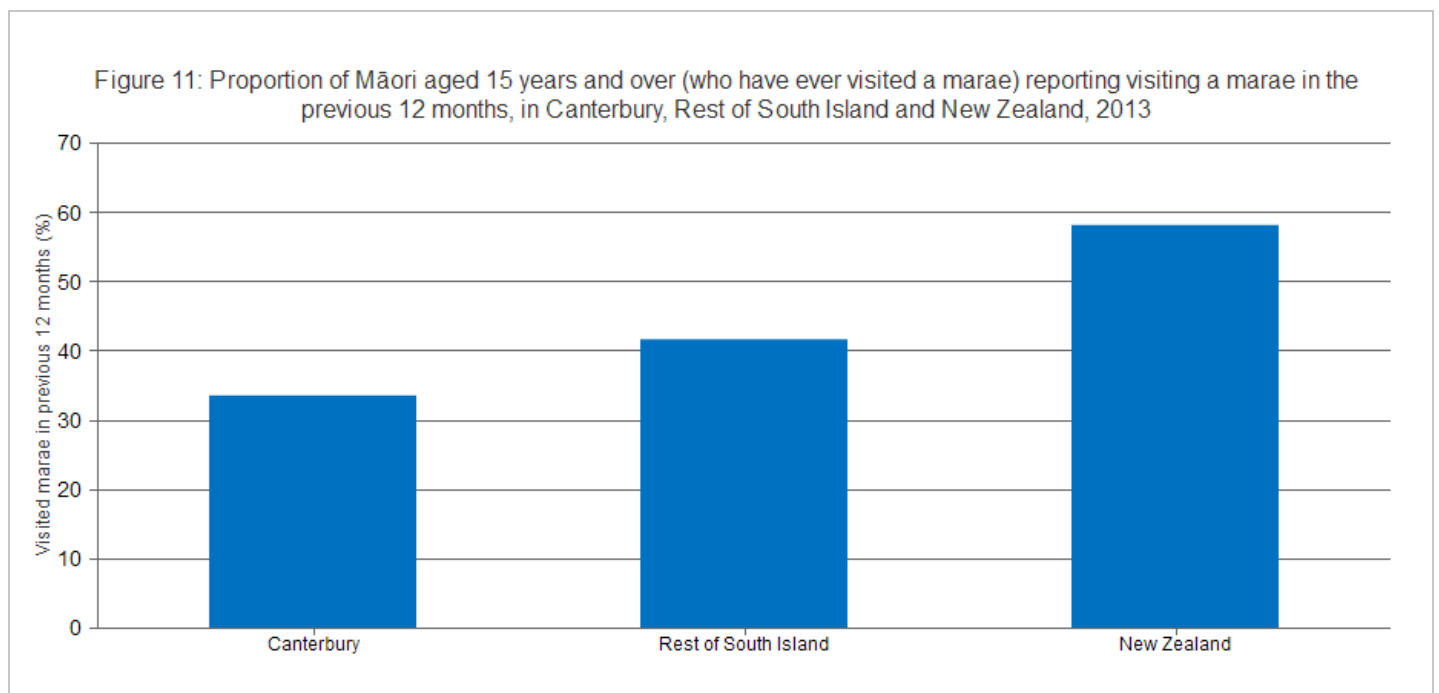
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

VISITED MARAE

A marae is an essential focal point for whānau, hapū or iwi to privilege te reo Māori and carry out cultural practices, traditions and hui (meetings) [5]. Visiting a marae can provide Māori with a greater cultural identity, cultural confidence and connection to whakapapa (ancestral knowledge) [5]. It also allows access to and participation in te ao Māori practices such as karakia (incantation), rongoā (medicine or remedy) and observance of tikanga me kawa (protocols and procedures) [5]. Additionally, some marae throughout New Zealand offer marae-based health clinics and health promotion programmes with focuses such as smoking cessation, nutrition, fitness, self-defence and first aid [5]. The marae is an important cultural resource which contributes to a secure Māori identity for individuals and whānau [5].

Te Kupenga 2013 asked those respondents who reported ever visiting a marae, if they had been to a marae in the last 12 months [12].

This indicator presents the proportion of respondents, among those who had ever visited a marae, reporting going to a marae in the previous 12 months.



The figure shows that in 2013, a third (33.6%) of Canterbury respondents who had ever visited a marae had visited one in the previous 12 months. This compares to 41.7 percent for the rest of the South Island and 58.2 percent for New Zealand overall.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

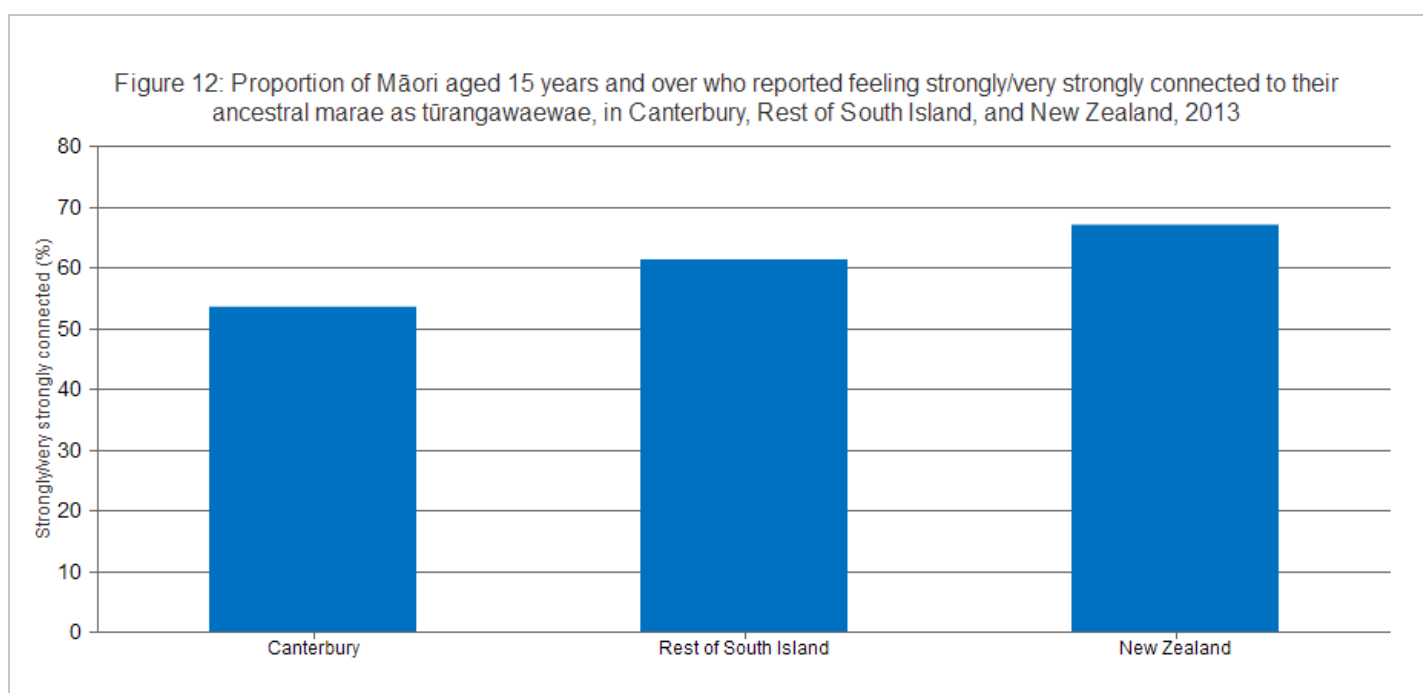
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

TŪRANGAWAEWAE CONNECTION

Tūrangawaewae literally means ‘a place to stand’, but more broadly might relate to where an individual or whānau comes from, either at present or historically [23]. For some Māori, a tūrangawaewae may be an ancestral or local marae, where they connect with the land and feel at home [23]. Having access to a marae as a tūrangawaewae may strengthen cultural identity, which has been demonstrated to benefit wellbeing [1].

Te Kupenga 2013 asked respondents if they have an ancestral marae that they think of as their tūrangawaewae (a place of cultural significance, where they feel they belong because their ancestors are from there) [12]. Those who responded ‘yes’ were asked how connected they felt to their tūrangawaewae. The question had five response options ranging from not at all connected to very strongly connected.

This indicator presents the proportion of respondents who reported feeling strongly/very strongly connected to their ancestral marae as tūrangawaewae.



In 2013, most respondents in Canterbury (53.6%), the rest of the South Island (61.4%) and New Zealand (67.1%) reported feeling strongly/very strongly connected to their ancestral marae as tūrangawaewae.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

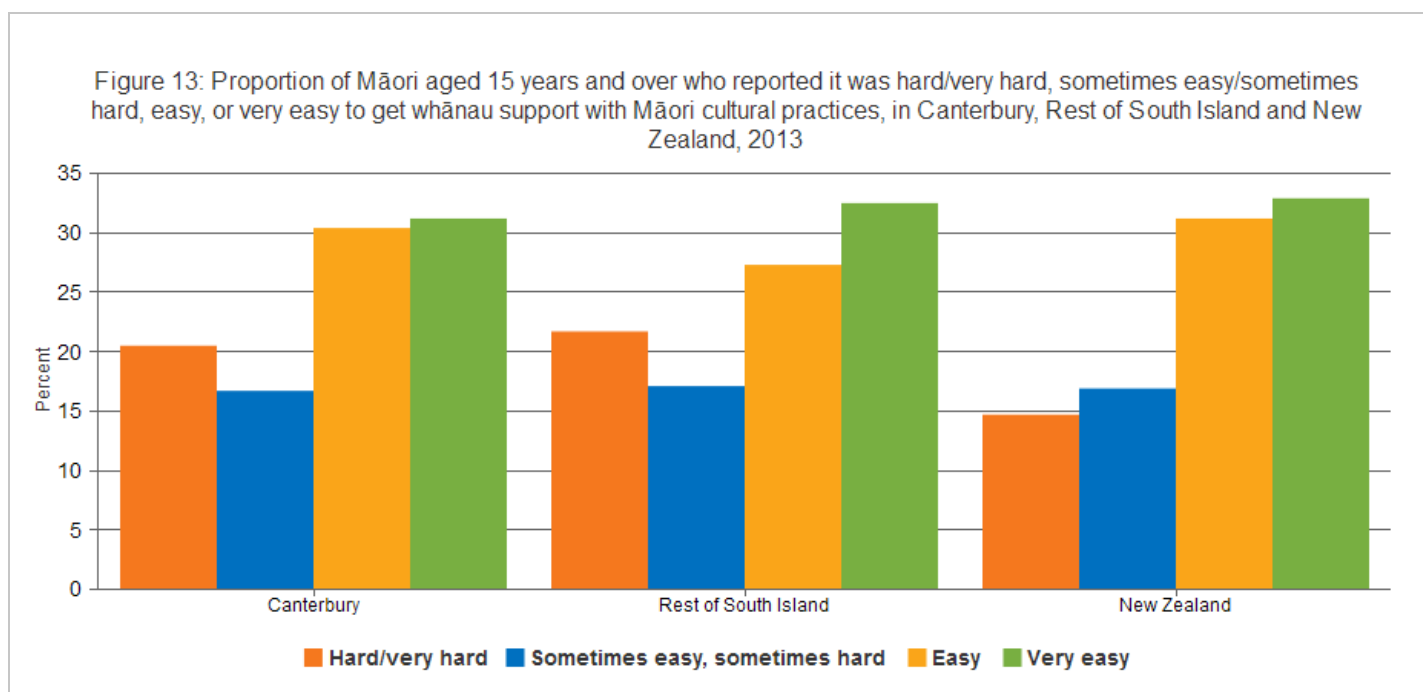
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

CULTURAL SUPPORT

Culture is recognised as a central determinant of health and wellbeing for many ethnic groups [24]. For Māori, having access to culture might refer to knowledge of cultural heritage, speaking te reo Māori or being on a marae. Although iwi, rūnanga and hapū might contribute to the provision of cultural support, whānau are recognised as being a major influencer of cultural identity and capacity [5]. Cultural norms and traditions, such as te reo and tikanga Māori, are inherited through families and passed down generations, just as land or possessions are [5]. Accessing whānau support with Māori cultural practices such as attending a tangihanga (funeral) or saying a karakia (incantation) is an important contributor to an individual's secure cultural identity, and by extension overall wellbeing.

Te Kupenga 2013 asked respondents how easy or hard it would be to find someone to help with cultural practices (such as going to a tangi, speaking at a hui, or blessing a taonga) [12]. The question had five response options ranging from very hard to very easy.

This indicator presents the proportion of respondents that reported it was very hard/hard, sometimes easy/sometimes hard, easy, or very easy to get whānau support with Māori cultural practices.



The figure shows that in 2013 similar proportions of respondents in Canterbury (31.2%), the rest of the South Island (32.5%) and New Zealand (32.9%) overall reported that it was very easy to get whānau support with Māori cultural practices, while a slightly smaller proportion reported that it was easy in all three geographical areas. Respondents from New Zealand overall had the lowest proportion (14.7%) reporting that it was hard/very hard to get whānau support with cultural practices, followed by Canterbury (20.5%) and the rest of the South Island (21.7%).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

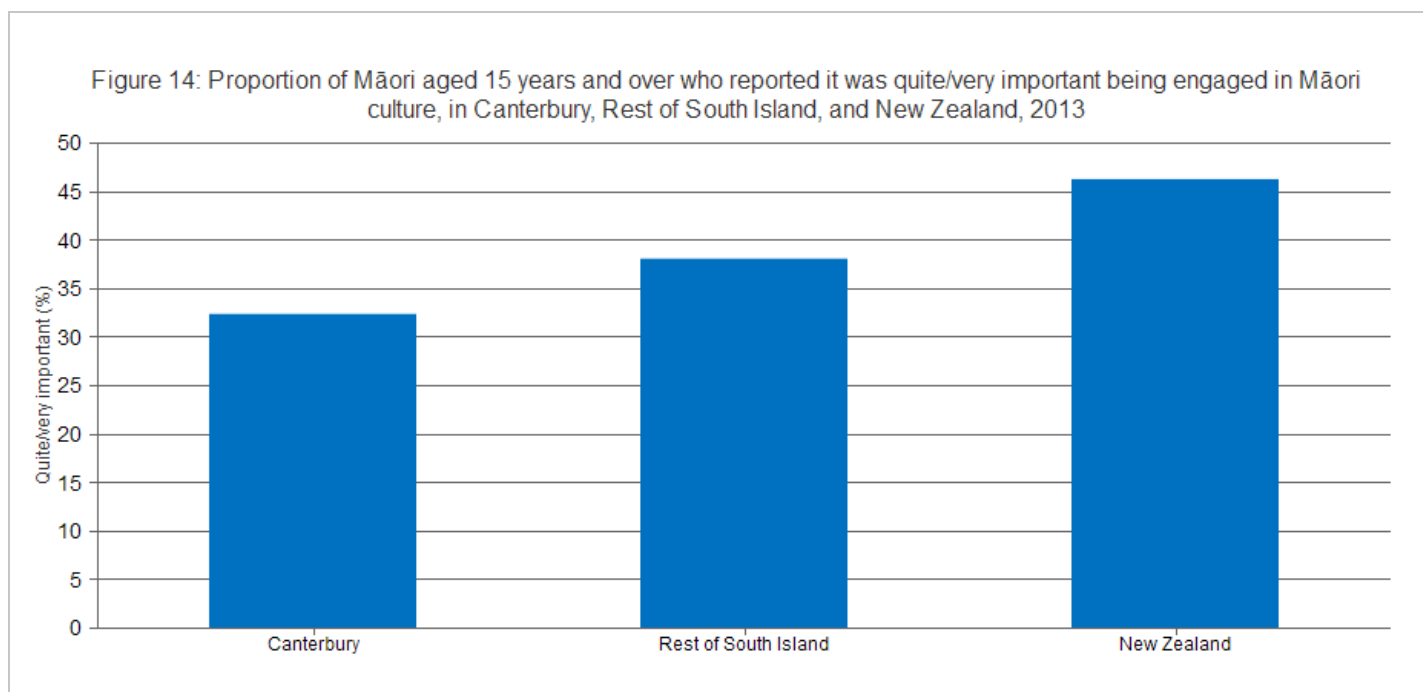
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

CULTURAL ENGAGEMENT

Cultural identity is strengthened when there is access to not only cultural heritage but also opportunities for cultural engagement, such as speaking te reo Māori or taking part in kapa haka [5]. Kapa haka, for example, has been identified as having strong links to culture and Māori identity, as well as providing a social, strengths-based environment for rangatahi (youth) [25].

Te Kupenga 2013 asked respondents how important it was to be involved in things to do with Māori culture. There were five response options, ranging from very important to not at all important [12].

This indicator presents the proportion of respondents who reported it was quite/very important to be engaged in Māori culture.



In 2013, just under a third (32.4%) of respondents from Canterbury reported it was quite/very important being engaged in Māori culture. The proportion was lowest for Canterbury, followed by the rest of the South Island (38.1%), and New Zealand overall (46.3%).

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

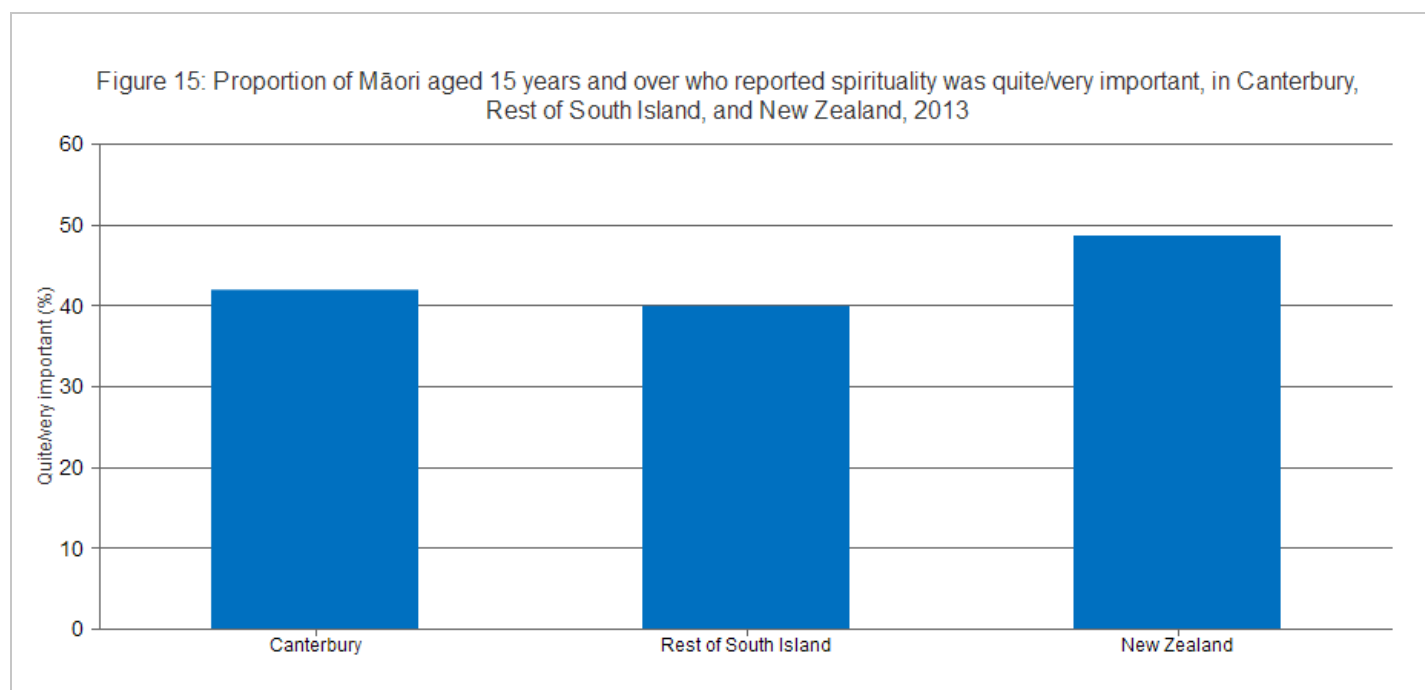
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

SPIRITUALITY

A Māori worldview recognises that wellbeing can be connected to unseen and unspoken energies [4]. Wairuatanga (spirituality) is threaded through Māori beliefs, values and practices [26] and is broadly defined as “connection with all aspects of the universe”, such as the connection with whenua (land), the body and mind or a wider connection [3, 4]. From a Māori worldview, spirituality is essential to good health [3, 4]. As Māori spirituality has strong linkages with whenua (land), any harm caused to significant whenua such as maunga (mountain) and awa (river) might disrupt the wairua of Māori and impact their overall wellbeing [4].

Te Kupenga 2013 asked respondents how important spirituality was in their life. There were five response options ranging from not at all important to very important [12].

This indicator presents the proportion of respondents who reported that spirituality was quite/very important.



The figure shows that in 2013, Canterbury and the rest of the South Island had similar proportions of respondents who reported that spirituality was quite/very important to them, at 42 percent and 40 percent, respectively. The highest proportion, 48.7 percent, was recorded for New Zealand, overall.

Data Sources

Source: Statistics New Zealand.

Survey/data set: Te Kupenga 2013. Access publicly available data from the Statistics New Zealand website www.archive.stats.govt.nz/browse_for_stats/people_and_communities/maori/te-kupenga.aspx

Source data frequency: Updated in 2018 and then 10-yearly.

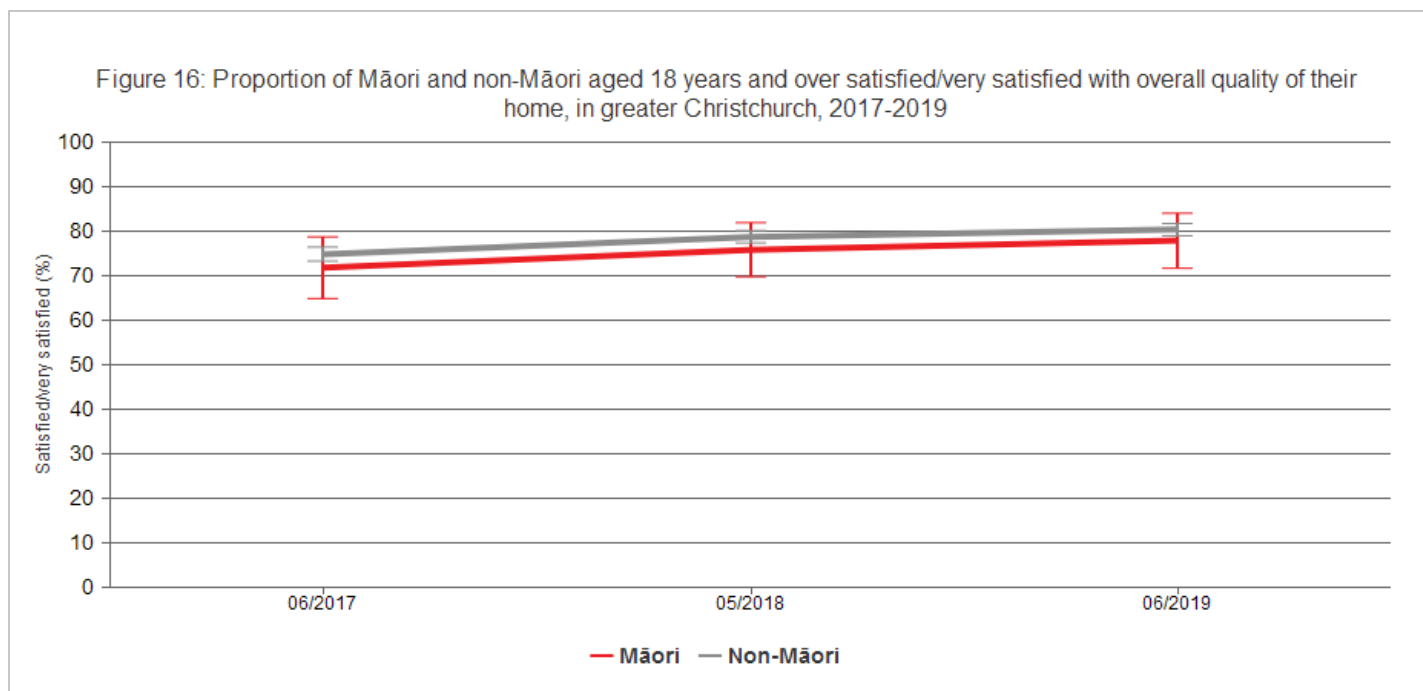
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

HOUSING QUALITY

Quality housing is an important determinant of health and wellbeing. Good quality housing is warm and dry and provides sufficient space and amenities for the occupants. New Zealand research has demonstrated that retrofitting housing with insulation and ventilation improves health outcomes for residents [27, 28]. Although satisfactory housing could refer to a number of aspects (e.g., space for extended family or close to local amenities), this indicator relates to physical housing quality.

The Canterbury Wellbeing Survey asked survey respondents to rate their satisfaction with the overall quality of the home in which they live (in terms of warmth, insulation, heating, moisture levels, and weather tightness). There were five response options ranging from very dissatisfied to very satisfied [10]. Note that this question was first included in 2017.

This indicator presents the proportion of Māori and non-Māori survey respondents reporting that they were satisfied/very satisfied with the overall physical quality of their home.



The figure shows that from 2017 to 2019 the proportion of respondents satisfied or very satisfied with the quality of their home has increased slightly for both Māori and non-Māori. In 2018, a higher proportion of non-Māori respondents reported being satisfied or very satisfied (Māori 75.8%; non-Māori 78.7%). In 2019, 77.9 percent of Māori respondents and 80.4 percent of non-Māori respondents were satisfied with the quality of their home. There are no statistically significant differences between the proportions for non-Māori and Māori for the years 2017 to 2019.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

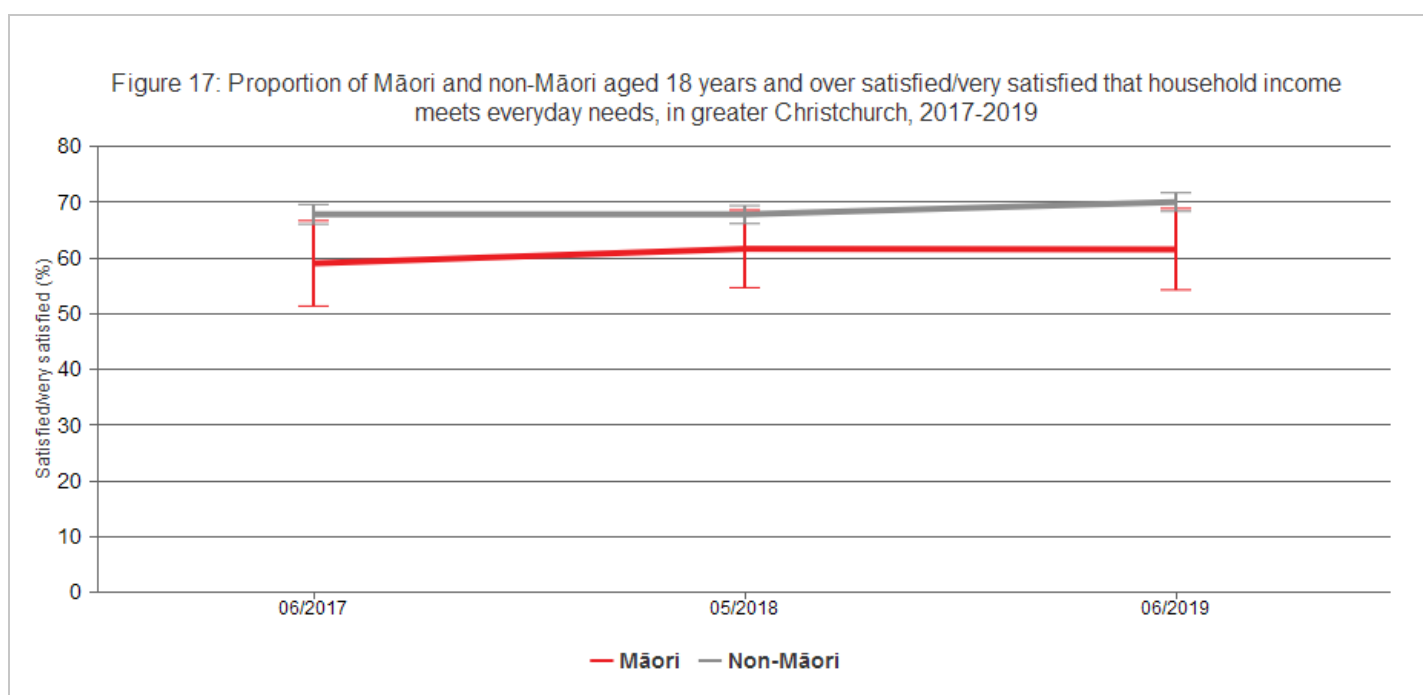
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

SATISFACTION WITH INCOME

Having sufficient household income contributes substantially to a family's wellbeing. With an adequate income, a household can access essential goods and services such as quality housing, transport, food, health services, and education. An adequate household income also enables participation in social and recreational activities in the community. Within the Whānau Ora framework, economic security and successful wealth creation is one of the major goals for whānau [6]. Reaching this goal would ensure whānau were able to afford essential everyday items and participate within society.

The Canterbury Wellbeing Survey asked respondents to rate their satisfaction with how well their total household income met their everyday needs (for things such as accommodation, food and clothing) [10]. Note that this question was first included in 2017.

This indicator presents the proportion of Māori and non-Māori survey respondents satisfied/very satisfied that their household income meets their everyday needs.



This figure shows that in 2017, 2018, and 2019 a higher proportion of non-Māori respondents reported being satisfied or very satisfied that their household income met their everyday needs. The proportion for Māori has increased from 59 percent in 2017 to 61.5 percent in 2019, and the proportion for non-Māori has increased from 67.8 percent in 2017 to 70 percent in 2019. However, there are no statistically significant differences between the proportions for non-Māori and Māori for the years 2017 to 2019.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

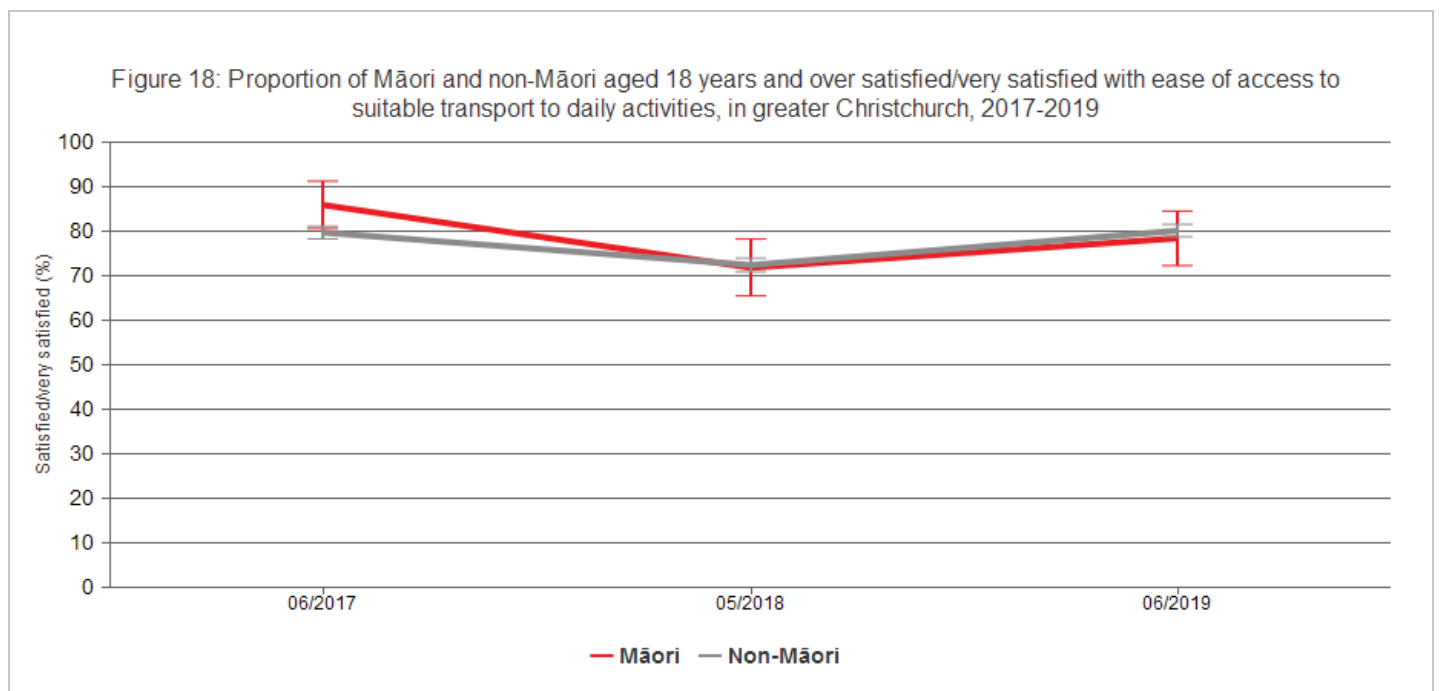
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

ACCESS TO TRANSPORT

Transport systems and infrastructure (including public transport) influence health and wellbeing by enabling access to other important resources, such as employment, education, social and healthcare services. Transport is also important to cultural identity as it enables access to cultural activities and sites [29]. Owning a car has been identified by some Māori as allowing them to have mana motuhake (independence) to participate in wider society and maintain contact with whānau [29].

The Canterbury Wellbeing Survey asked respondents to rate their satisfaction with their ease of access to suitable transport to daily activities [10]. There were five response options ranging from very dissatisfied to very satisfied. Note that this question was first included in 2017.

This indicator presents the proportion of Māori and non-Māori survey respondents that were satisfied/very satisfied with their ease of access to suitable transport to daily activities.



The figure shows that in 2017, a higher proportion of Māori respondents reported being satisfied or very satisfied with their ease of access to transport (Māori 85.9%; non-Māori 79.7%). In 2018, the proportion in both groups dropped, with the proportion for non-Māori (72.4%) being similar to the proportion for Māori (71.8%). In 2019, the proportion of Māori and non-Māori respondents who reported being satisfied or very satisfied with their ease of access to transport increased (Māori 78.4%; non-Māori 80.1%). There are no statistically significant differences between the proportions for non-Māori and Māori for the years 2017 to 2019.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

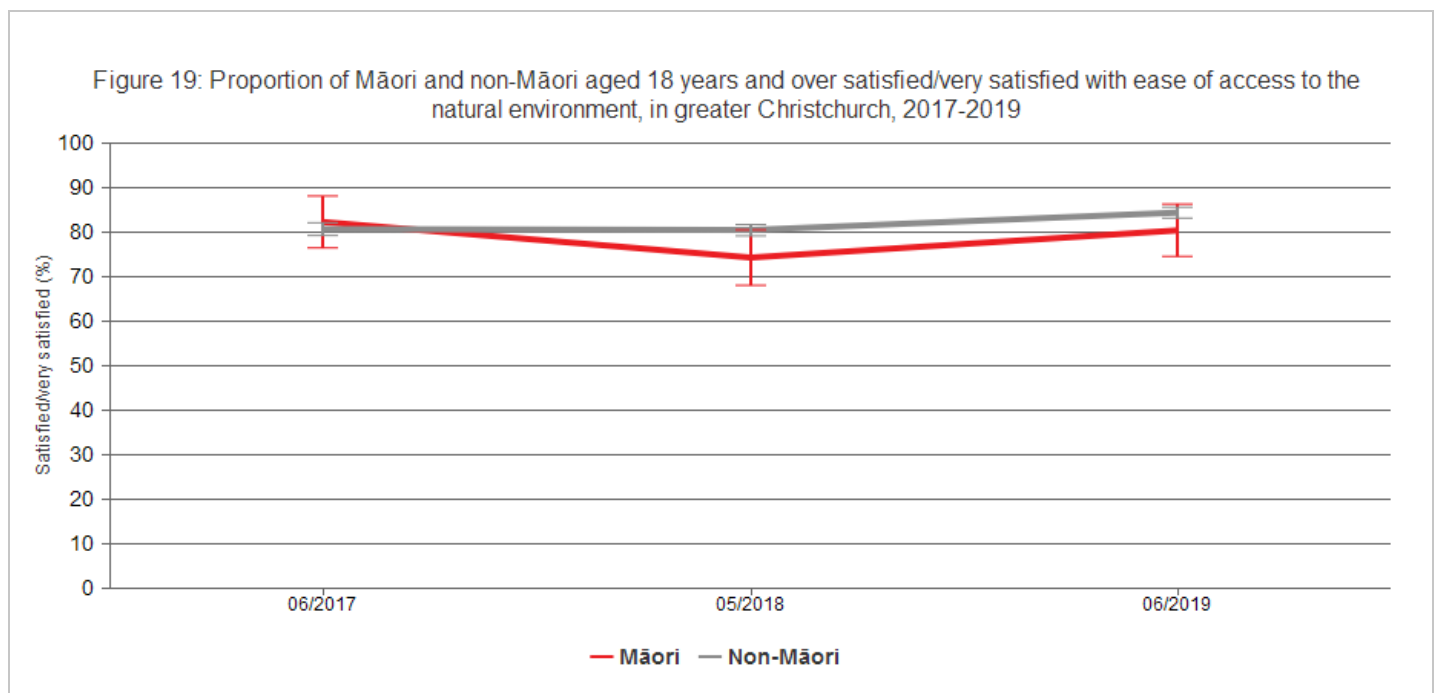
Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

ACCESS TO NATURAL ENVIRONMENT

The natural environment is essential to the wellbeing and identity of Māori as part of their whakapapa (genealogy) and the bond of kinship between all things [30]. Ensuring access to a healthy and clean natural environment (e.g., rivers, lakes, mountains, green spaces) positively affects wellbeing. For example, having access to fish from a clean local body of water provides a healthy and fresh kai option for whānau. In 2014, the government recognised the strong links between Māori wellbeing and a clean environment when Wai Ora (healthy environments) became a leading priority in He Korowai Oranga: Māori Health Strategy [31].

The Canterbury Wellbeing Survey asked respondents to rate their satisfaction with their ease of access to the natural environment, broadly defined as “access to rivers, lakes, beaches, wildlife, areas, parks, and walking tracks” [10]. There were five response options ranging from very dissatisfied to very satisfied. Note that this question was first included in 2017.

This indicator presents the proportion of Māori and non-Māori survey respondents who reported being satisfied/very satisfied with their ease of access to the natural environment.



In 2017, 82.3 percent of Māori respondents reported being satisfied or very satisfied with their ease of access to the natural environment, which was slightly higher than the proportion for non-Māori (80.7%). In 2018, the proportion for Māori dropped to 74.3 percent, while the proportion for non-Māori remained stable (80.5%). In 2019, the proportion of Māori respondents who reported being satisfied or very satisfied with their access to the natural environment has increased and converged slightly with the non-Māori proportion (80.4 % and 84.4%, respectively). There are no statistically significant differences between the proportions for non-Māori and Māori for the years 2017 to 2019.

Data Sources

Source: Canterbury District Health Board.

Survey/data set: Canterbury Wellbeing Survey to 2019. Access publicly available data from the Community and Public Health (Canterbury DHB) website www.cph.co.nz/your-health/wellbeing-survey/

Source data frequency: Annually.

Metadata for this indicator is available at <https://www.canterburywellbeing.org.nz/index-data>

REFERENCES

- 1 Durie M (2006) Measuring Māori Wellbeing. New Zealand Treasury guest lecture series. Wellington.
- 2 Durie M (1999) Te Pae Māhutonga: A model for Māori health promotion. *Health Promotion Forum of New Zealand Newsletter* 49: 5.
- 3 Kingi TK, Durie M, Elder H, Tapsell R, Lawrence M, et al. (2018) *Maea te Toi Ora: Māori Health Transformations*. Wellington: Huia Publishers.
- 4 Durie M (1998) *Whaiora: Māori health development*. Auckland: Oxford University Press.
- 5 Durie M (2001) *Mauri Ora: The Dynamics of Māori Health*. Auckland: Oxford University Press.
- 6 Te Puni Kōkiri (2018) *Whānau Ora Annual Summary Report: 1 July 2016 - 30 June 2017*.
- 7 Pevalin D, Rose D (2004) *Investigating the links between social capital and health using the British Household Panel Survey*. Essex: Institute for Social and Economic Research, University of Essex.
- 8 Elliott J, Gale CR, Parsons S, Kuh D, HALCyon Study Team (2014) Neighbourhood cohesion and mental wellbeing among older adults: A mixed methods approach. *Social Science & Medicine* 107: 44-51.
- 9 Robinson D, Williams T (2001) Social capital and voluntary activity: Giving and sharing in Māori and non-Māori society. *Social Policy Journal of New Zealand/Te Puna Whakaaro* 52.
- 10 Canterbury DHB (2019) *Canterbury Wellbeing Survey: Report prepared by Nielsen for the Canterbury District Health Board and partnering agencies*. Christchurch: Canterbury District Health Board.
- 11 Social Policy Evaluation and Research Unit (2017) *Subjective whānau wellbeing in Te Kupenga*. Wellington: Superu.
- 12 Statistics New Zealand (2013) *Te Kupenga 2013: A survey of Māori well-being questionnaire*. Wellington: Statistics New Zealand.
- 13 Statistics New Zealand (2015) *Ngā tohu o te ora: The determinants of life satisfaction for Māori 2013*. Wellington: Statistics New Zealand.
- 14 Statistics New Zealand (2018) *New Zealand Census of Population and Dwellings: individual form*. Wellington: Statistics New Zealand.
- 15 Social Policy Evaluation and Research Unit (2017) *Families and whānau status report*. Wellington: Superu.
- 16 Kingi TK, Durie M, Durie M, Cunningham C, Borman B, et al. (2014) *Te Puawaitanga o Ngā Whānau: Six Markers of Flourishing Whānau*. Palmerston North: Massey University.
- 17 Fayers P, Hays R (2005) *Assessing quality of life in clinical trials: methods and practice (2nd edition)*. New York: Oxford University Press.
- 18 Reid J, Varona, G, Fisher, M, & Smith, C. (2016) Understanding Māori 'lived' culture to determine cultural connectedness and wellbeing. *Journal of Population Research* 33: 31-49s.
- 19 Muriwai E, Houkamau CA, Sibley CG (2015) Culture as cure? The protective function of Māori cultural efficacy on psychological distress. *New Zealand Journal of Psychology* 44: 14.
- 20 Ministry of Social Development (2016) *The social report 2016: Te pūrongo oranga tangata*. Wellington: Ministry of Social Development.
- 21 Māori party (2016) \$34.6m to support Te Reo Māori revival. Accessed 15 November 2018 from www.maoriparty.org
- 22 Chrisp S (2005) Māori Intergenerational Language Transmission. *International Journal of the Sociology of Language* 2005: 149-181.
- 23 Te Ahukaramū Charles Royal (2007) Story: Papatūānuku - the land. Te Ara: the Encyclopedia of New Zealand
- 24 National Advisory Committee on Health and Disability (1998) The social, cultural, and economic determinants of health in New Zealand: action to improve health. Wellington: National Health Committee.
- 25 Te Kotahi Research Institute: Waikato University (2014) Ngā Hua a Tāne Rore: the Benefits of Kapa Haka Manatū Taonga - Ministry for Culture and Heritage & Te Matatini.
- 26 Kennedy V, Cram F, Paipa K, Pipi K, Baker M (2015) Wairua and cultural values in evaluation. *Evaluation Matters-He take tō te aromatawai* 1: 83-111.
- 27 Howden-Chapman P, Matheson A, Crane J, Viggers H, Cunningham M, et al. (2007) Effect of insulating existing houses on health inequality: cluster randomised study in the community. *British Medical Journal* 334: 460-464.
- 28 Baker M, Zhang J, Keall M, Howden-Chapman P (2011) *Health Impacts of the Healthy Housing Programme on Housing New Zealand Tenants: 2004-2008*. Wellington: He Kainga Oranga, University of Otago.

- 29 Raerino K, Macmillan AK, Jones RG (2013) Indigenous Māori perspectives on urban transport patterns linked to health and wellbeing. *Health and Place* 23: 54-62.
- 30 Waitangi Tribunal (2011) *Ko Aotearoa tēnei : a report into claims concerning New Zealand law and policy affecting Māori culture and identity. Te taumata tuatahi. (Waitangi Tribunal report)*. Wellington: Legislation Direct.
- 31 Ministry of Health (2014) *The guide to He Korowai Oranga: Māori Health Strategy*. Wellington: Ministry of Health.

FIND OUT MORE

> **Whānau Ora**

This webpage from the Te Puni Kōkiri website describes the Whānau Ora model.

> **Ngāi Tahu**

The website for Ngāi Tahu.

> **Ngāi Tahu State of the Nation regional report 2017**

A report providing information about the Ngāi Tahu population in various regions of Aotearoa New Zealand from the 2013 Census.

> **Te Pūtahitanga o Te Waipounamu**

Te Pūtahitanga o Te Waipounamu, the Whānau Ora commissioning agency for the South Island, has a range of publications available including evaluations of their funding rounds and their Capability Development Model.

> **Te Kupenga 2018 survey**

This webpage from StatsNZ describes the differences between the 2013 and 2018 Te Kupenga surveys.

> **Māori Health Plan**

The latest Māori Health Plan for Canterbury District Health Board.