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The New Zealand Attitudes and Values Study 2009: Sampling Procedure and Technical Details

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Note for researchers: A copy of the technical report detailing the scales and questionnaire items used in the NZAVS-09 is available from Dr. Chris Sibley upon request.

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Executive Summary

The New Zealand Attitudes and Values Study (NZAVS) is a large national postal sample led by Dr. Chris Sibley at the University of Auckland. The study was started in 2009, and follows the same group of roughly 6500 New Zealanders each year. The aim of the study is to track change in various social psychological and health factors for up to the next 20 years. The study provides information about how the personality, attitudes and values of New Zealanders may be changing over time. This is important because we currently know very little about how peoples' opinions, values and levels of satisfaction with their lives may change gradually over time, and perhaps also change rapidly in response to current events in society. Another key aim of the study is to examine how changes in attitudes and values may relate to changes in health and wellbeing over time. This document provides technical information about the sampling procedure used to generate the initial Time 1 (2009) sample, and descriptive statistics about the 2009 sample. The 2009 New Zealand Attitudes and Values Study (NZAVS-09) was funded by University of Auckland FRDF (#3624435/9853) and ECREA (#3626075) grants awarded to Dr. Chris Sibley.

Sampling procedure

The NZAVS-2009 represents the first year of data for a planned 20-year national yearly longitudinal study conducted in New Zealand. The NZAVS-2009 contained responses from 6,516 participants.

The NZAVS-09 questionnaire was mailed in a windowed envelope with University of Auckland letterhead. Participants' printed name and address was visible through the envelope window. Participants were provided a postage-paid return envelope, and were entered into a prize draw for \$500 grocery vouchers for their participation.

The NZAVS-2009 questionnaire was posted to 40,500 participants from the 2009 New Zealand electoral roll. The publicly available version of the 2009 electoral roll contained 2,986,546 registered voters in NZ. This represented all citizens over 18 years of age who were eligible to vote regardless of whether or not they chose to vote, barring people who had their contact details removed due to specific case-by-case concerns about privacy.

The statement of accuracy for the electoral roll was .966, it was therefore estimated that the questionnaire reached a total of $.966 \times 40,500 = 39,123$ participants. The sample frame for the NZAVS-2009 was spilt into 3 parts. Sample Frame 1 constituted a random sample of 25,000 people from the electoral roll conducted in October-November 2009 (4,060 respondents). Sample Frame 2 constituted a second random sample of a further 10,000 people from the electoral roll (sampling without replacement) and was conducted in November 2009 (1,609 respondents). Sample Frame 3 constituted a booster sample of 5,500 people from mesh block area units of NZ that had a high proportion of Māori, Pacific Nations and Asian peoples (670 respondents). The booster sample thus aimed to oversample people from these ethnic groups and was posted in increments during the November 2009-February 2010 period. A further 175 people responded but did not provide contact details and so could not be matched to a sample frame.

The estimated response rate (adjusting for address accuracy of the electoral roll) for respondents in Sample Frame 1 was 16.8%. The estimated response rate for respondents in Sample Frame 2 was 16.7%. The estimated response rate for respondents in Sample Frame 3 (the booster sample) was 12.5%. The overall estimated response rate for the total sample (including anonymous responses) was 16.6%.

In sum, roughly 1.36% of all people registered to vote in NZ were contacted and invited to participate. Roughly 0.23% of all registered voters completed and returned the questionnaire. It was explicitly stated in the information and consent forms that by responding participants were signaling that they were willing to be contacted for up to the next 20 years and invited to complete yearly follow-up questionnaires.

A copy of the technical report detailing the scales and questionnaire items used in the NZAVS-09 is available from Dr. Chris Sibley upon request.

Demographics

Below is the summary of the main demographic information for the 2009 New Zealand Attitudes and Values Study (NZAVS).

Gender

Table 1 presents details for the number of men and women in the 2009 sample. As shown, the NZAVS oversampled women (59.3%) relative to men (40.7%). According to the 2006 New Zealand Census, the population is 51.2% women and 48.8% men. This seems to be one of the key identifiable sampling biases in the NZAVS.

Gender					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	2651	40.7	40.7	40.7
	Female	3865	59.3	59.3	100.0
	Total	6516	100.0	100.0	

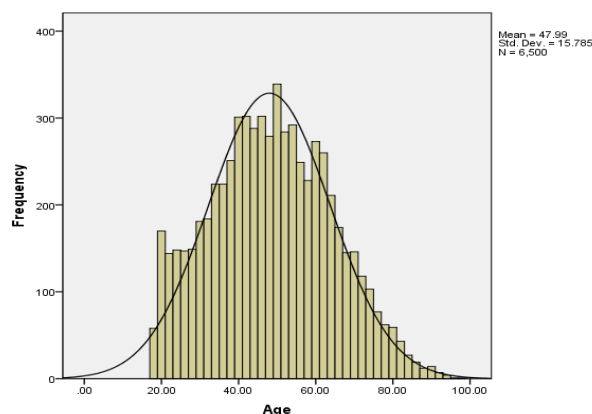
Table 1. The percentage gender of participants in the 2009 sample of the NZAVS

Age

Table 2 presents the mean age of participants in the 2009 sample. The sample was made up of individuals randomly selected from the electoral roll. The minimum age was 18 and the maximum age was 98. The mean age of participants was 48 years. The distribution of participants' age is presented in Graph 1.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Age	6500	18.00	98.00	47.9851	15.78475
Valid N (listwise)	6500				

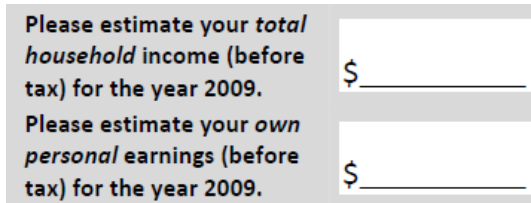
Table 2. The minimum, maximum and mean age of participants in the 2009 sample of the NZAVS



Graph 1. Histogram showing the distribution of participants' age in the 2009 sample of the NZAVS

Household and Personal Income

The 2009 NZAVS measured personal and household income. This was measured by asking participants to estimate their personal and household income in the past year (2009). This question is displayed in figure 1 below.



Please estimate your *total household income* (before tax) for the year 2009. \$ _____

Please estimate your *own personal earnings* (before tax) for the year 2009. \$ _____

Figure 1. Personal and Household income questions in the 2009 NZAVS questionnaire

Table 3 presents the mean household and personal income of participants in the 2009 NZAVS. As shown, personal income ranged from \$0-110,000. The mean personal income was \$45,972 per annum. Household income ranged from \$0 - \$140,000 per annum. The mean household income was \$83,351 per annum.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Household.INC	5225	0	1400000	83351.95	69526.118
Personal.INC	5114	0	1100000	45972.32	43831.986
Valid N (listwise)	4911				

Table 3. The minimum, maximum and mean for personal and household income for participants in the 2009 NZAVS

Table 4 below presents the percentage and cumulative percentage of the participants' personal income. As shown, approximately half of participants (54.3%) had a personal income under \$40,000 per annum. Approximately three quarters of participants (76.4%) had a personal income under \$60,000 per annum. Only 5.6 % of participants had a personal income over \$100,000 and only 2% had a personal income over \$150,000.

Table 5 presents the percentage and cumulative percentage of household income. As shown, approximately half of participants (51.9%) had a household income under \$70,000 per annum. Approximately three quarters of participants (75.4%) had a household income under \$100,000 per annum. Only 9.2% of participants had a household income over \$150,000 and only 3.3% had a household income over \$200,000.

Personal INC. Bands						House INC. Bands					
		Frequency	Percent	Valid Percent	Cumulative Percent			Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1-5,000	451	6.9	8.8	8.8	Valid	1-5,000	51	.8	1.0	1.0
	5,001-10,000	255	3.9	5.0	13.8		5,001-10,000	55	.8	1.1	2.0
	10,001-15,000	354	5.4	6.9	20.7		10,001-15,000	131	2.0	2.5	4.5
	15,001-20,000	371	5.7	7.3	28.0		15,001-20,000	208	3.2	4.0	8.5
	20,001-25,000	283	4.3	5.5	33.5		20,001-25,000	206	3.2	3.9	12.5
	25,001-30,000	378	5.8	7.4	40.9		25,001-30,000	280	4.3	5.4	17.8
	30,001-35,000	251	3.9	4.9	45.8		30,001-35,000	175	2.7	3.3	21.2
	35,001-40,000	431	6.6	8.4	54.3		35,001-40,000	283	4.3	5.4	26.6
	40,001-45,000	269	4.1	5.3	59.5		40,001-45,000	167	2.6	3.2	29.8
	45,001-50,000	351	5.4	6.9	66.4		45,001-50,000	298	4.6	5.7	35.5
	50,001-55,000	193	3.0	3.8	70.2		50,001-55,000	138	2.1	2.6	38.1
	55,001-60,000	319	4.9	6.2	76.4		55,001-60,000	309	4.7	5.9	44.0
	60,001-65,000	167	2.6	3.3	79.7		60,001-65,000	136	2.1	2.6	46.7
	65,001-70,000	204	3.1	4.0	83.6		65,001-70,000	275	4.2	5.3	51.9
	70,001-75,000	104	1.6	2.0	85.7		70,001-75,000	128	2.0	2.5	54.4
	75,001-80,000	148	2.3	2.9	88.6		75,001-80,000	322	4.9	6.2	60.5
	80,000-85,001	54	.8	1.1	89.6		80,000-85,001	92	1.4	1.8	62.3
	85,001-90,000	79	1.2	1.5	91.2		85,001-90,000	216	3.3	4.1	66.4
	90,001-95,000	33	.5	.6	91.8		90,001-95,000	56	.9	1.1	67.5
	95,001-100,000	132	2.0	2.6	94.4		95,001-100,000	411	6.3	7.9	75.4
	100,001-105,000	15	.2	.3	94.7		100,001-105,000	39	.6	.7	76.1
	105,001-110,000	29	.4	.6	95.3		105,001-110,000	125	1.9	2.4	78.5
	110,001-115,000	14	.2	.3	95.5		110,001-115,000	23	.4	.4	78.9
	115,001-120,000	46	.7	.9	96.4		115,001-120,000	209	3.2	4.0	82.9
	120,001-125,000	12	.2	.2	96.7		120,001-125,000	24	.4	.5	83.4
	125,001-130,000	18	.3	.4	97.0		125,001-130,000	102	1.6	2.0	85.4
	130,001-135,000	8	.1	.2	97.2		130,001-135,000	27	.4	.5	85.9
	135,001-140,000	16	.2	.3	97.5		135,001-140,000	92	1.4	1.8	87.6
	140,001-145,000	1	.0	.0	97.5		140,001-145,000	17	.3	.3	88.0
	145,001-150,000	24	.4	.5	98.0		145,001-150,000	149	2.3	2.9	90.8
	150,001-150,000	4	.1	.1	98.1		150,001-150,000	10	.2	.2	91.0
	155,001-160,000	6	.1	.1	98.2		155,001-160,000	59	.9	1.1	92.1
	160,001-165,000	4	.1	.1	98.3		160,001-165,000	14	.2	.3	92.4
	165,001-170,000	11	.2	.2	98.5		165,001-170,000	35	.5	.7	93.1
	170,001-175,000	5	.1	.1	98.6		170,001-175,000	5	.1	.1	93.2
	175,001-180,000	11	.2	.2	98.8		175,001-180,000	48	.7	.9	94.1
	185,001-190,000	1	.0	.0	98.8		180,001-185,000	4	.1	.1	94.2
	190,001-195,000	2	.0	.0	98.8		185,001-190,000	22	.3	.4	94.6
	195,001-200,000	16	.2	.3	99.2		190,001-195,000	2	.0	.0	94.6
	205,001-210,000	4	.1	.1	99.2		195,001-200,000	106	1.6	2.0	96.7
	215,001-220,000	2	.0	.0	99.3		200,001-205,000	2	.0	.0	96.7
	220,001-225,000	3	.0	.1	99.3		205,001-210,000	7	.1	.1	96.8
	225,001-230,000	1	.0	.0	99.4		210,001-215,000	3	.0	.1	96.9
	235,001-240,000	1	.0	.0	99.4		215,001-220,000	14	.2	.3	97.1
	245,001-250,000	7	.1	.1	99.5		220,001-225,000	1	.0	.0	97.2
	250,001 +	25	.4	.5	100.0		225,001-230,000	8	.1	.2	97.3
	Total	5113	78.5	100.0			230,001-235,000	1	.0	.0	97.3
Missing	System	1403	21.5		235,001-240,000	7	.1	.1	97.5		
Total		6516	100.0		245,001-250,000	36	.6	.7	98.2		
					250,001 +	96	1.5	1.8	100.0		
					Total	5224	80.2	100.0			
					Missing	System	1292	19.8			
					Total	6516	100.0				

Table 4. The percentage and cumulative percentage of participants in each personal income bracket in the 2009 NZAVS.

Table 5. The percentage and cumulative percentage of participants in each household income bracket in the 2009 NZAVS.

Ethnicity

The NZAVS questionnaire asked participants to indicate their ethnicity using the 2006 census question, as displayed below in figure 2. The categories of ethnicity were not mutually exclusive and participants could select multiple ethnic groups if they wished. Ethnicity was coded using the statistical standard employed by the 2006 NZ Census.

1. Which ethnic group do you belong to?

Mark the space or spaces which apply to you.

☐ New Zealand European

☐ Māori

☐ Samoan

☐ Cook Island Māori

☐ Tongan

☐ Niuean

☐ Chinese

☐ Indian

☐ Other such as *DUTCH, JAPANESE, TOKELAUAN.*

Please state: _____

Figure 2. The ethnicity identification question in the 2009 NZAVS questionnaire

Table 6 presents the percentages for ethnicity based on priority coding. Ethnicity was priority coded in the following order: Maori, Pacific, Asian, Middle Eastern/ Latin American/ African (ME/LA/A), European/Pakeha, New Zealander, Unreported/Other.

As shown in Table 6, according to this coding scheme, 70.9% of participants identified as European or Pakeha, 17.9% identified as Maori, 3.6 % identified as Pacific, 4.6% as Asian and 0.5% as Middle Eastern, Latin American or African. Interestingly, 116 participants, 1.8% of the sample, identified themselves as “New Zealander”.

EthL2.Priority.7group

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Maori	1168	17.9	17.9	17.9
Pacific	234	3.6	3.6	21.5
Asian	302	4.6	4.6	26.2
MELLA	32	.5	.5	26.6
European/Pakeha	4621	70.9	70.9	97.6
New Zealander	116	1.8	1.8	99.3
Unreported/Other	43	.7	.7	100.0
Total	6516	100.0	100.0	

Table 6. The priority coded percentage participants identifying with the ethnic groups of Maori, Pacific, Asian, Middle Eastern/Latin American/African and New Zealander in the 2009 sample of the NZAVS.

Table 7 below presents the non-priority coded percentages for ethnicity. As shown, 81.9% of the sample identified themselves as New Zealand European (including people who also selected another ethnic group), 17.9% as Maori, 4.3% as Pacific, 4.9% as Asian, 0.5% as Middle Eastern, Latin American or African and 0.7% as other.

EthL2.Euro				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	1178	18.1	18.1	18.1
1	5338	81.9	81.9	100.0
Total	6516	100.0	100.0	

EthL2.Maori				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	5350	82.1	82.1	82.1
1	1166	17.9	17.9	100.0
Total	6516	100.0	100.0	

EthL2.Pacific				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	6236	95.7	95.7	95.7
1	280	4.3	4.3	100.0
Total	6516	100.0	100.0	

EthL2.Asian				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	6195	95.1	95.1	95.1
1	321	4.9	4.9	100.0
Total	6516	100.0	100.0	

EthL2.MELAA				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	6483	99.5	99.5	99.5
1	33	.5	.5	100.0
Total	6516	100.0	100.0	

EthL2.NZer				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	6366	97.7	97.7	97.7
1	150	2.3	2.3	100.0
Total	6516	100.0	100.0	

EthL2.Other				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	6508	99.9	99.9	99.9
1	8	.1	.1	100.0
Total	6516	100.0	100.0	

EthL2.Unreported				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid .00	6480	99.4	99.4	99.4
1.00	36	.6	.6	100.0
Total	6516	100.0	100.0	

Table 7. The percentage of ethnic groups of New Zealand European, Maori, Pacific, Asian, Middle Eastern/Latin American/African and New Zealander in the 2009 sample of the NZAVS

The results of the 2009 NZAVS sample are similar to the 2006 New Zealand Census data. However, the Census indicated a lesser amount of the population identified themselves as NZ European (64.8%) and Maori (14%) than in the 2009 NZAVS sample. Alternatively, a greater amount of the overall population identified themselves as Pacific (6.6%) and Asian (8.8%) than in the sample. The percentages of individuals with a Middle Eastern, Latin American or African ethnicity were similar for the NZAVS sample (0.5%) and the 2006 census (0.7%). Interestingly, only 0.7% of the NZAVS sample identified their ethnicity as Other (collapsed with Unreported category), whereas the census data indicates 10.7% of overall population identified their ethnicity as Other. A large portion of this 'Other' category appearing in the census seemed to be people identifying their ethnicity as 'New Zealander.' We did not observe such a high self-selection as 'New Zealander' in the NZAVS.

Religion

Religious affiliation was measured by asking participants if they identified with a religion or spiritual group and if so, to identify which religion or spiritual group. This question is displayed in figure 3 below.

Do you identify with a religion
and/or spiritual group?

☐ Yes
☐ No

If yes to 17a, then what
religion/spiritual group?

Figure 3. Religious affiliation questions in the 2009 NZAVS questionnaire

Table 8, on the following page, presents the percentage of the 2009 sample who identified with a religion or spiritual group. There were 45 different religions and spiritual groups which we identified in the sample. As shown, 10.8% of participants identified as Christian NFD (no further definition), 9.4% as Catholic, 7.6% as Anglican and 3.3% as Presbyterian. Interestingly, the largest percentage of the sample (54.2%) identified with no religion or spiritual group.

According to the 2006 census, 39.16% of the overall population identify with no religion (32.99%) or object to answering the question (6.17%). This is approximately 10% less than the participants in the NZAVS sample who identified with no religion. The census also indicated that 6.3% of the population did not state their religion. In contrast, 3.6% of participants in the NZAVS sample did not report identification with a religion or spiritual group.

Religion.L4.Cats		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Outside Scope	57	.9	.9	.9
	Unreported	234	3.6	3.6	4.5
	No Religion	3534	54.2	54.2	58.7
	Anglican	493	7.6	7.6	66.3
	Apostolic	6	.1	.1	66.4
	Assemblies of God	8	.1	.1	66.5
	Baha'i	5	.1	.1	66.6
	Baptist	51	.8	.8	67.3
	Born Again	8	.1	.1	67.5
	Brethren	14	.2	.2	67.7
	Buddhist	50	.8	.8	68.4
	Catholic	614	9.4	9.4	77.9
	Christian Other	23	.4	.4	78.2
	Christian NFD	702	10.8	10.8	89.0
	Church of Christ	4	.1	.1	89.1
	Congregationist	4	.1	.1	89.1
	Destiny Church	1	.0	.0	89.1
	Evan/BA/Fund	18	.3	.3	89.4
	Freemason	2	.0	.0	89.4
	Hindu	34	.5	.5	90.0
	Jehova's Witness	25	.4	.4	90.3
	Jewish	3	.0	.0	90.4
	Lutheran	10	.2	.2	90.5
	Maori Other Religion	15	.2	.2	90.8
	Methodist	73	1.1	1.1	91.9
	Mormon	55	.8	.8	92.7
	Muslim	11	.2	.2	92.9
	New Age	2	.0	.0	92.9
	New Life	5	.1	.1	93.0
	Orthodox	6	.1	.1	93.1
	Other Religion	45	.7	.7	93.8
	Pagan	7	.1	.1	93.9
	Pentecostal	31	.5	.5	94.4
	Presbyterian	217	3.3	3.3	97.7
	Quaker	2	.0	.0	97.7
	Ratana	43	.7	.7	98.4
	Reformed	4	.1	.1	98.5
	Ringatu	6	.1	.1	98.6
	Salvation Army	21	.3	.3	98.9
	Scientology	3	.0	.0	98.9
	Seventh Day Adventist	19	.3	.3	99.2
	Sikh	4	.1	.1	99.3
	Spiritual	41	.6	.6	99.9
	Union	2	.0	.0	99.9
	Wicca	4	.1	.1	100.0
	Total	6516	100.0	100.0	

Table 8. The percentage of participants of the NZAVS 2009 sample who identified with a religion or spiritual group

Education

Education was measured by asking participants to state their highest level of qualification, as displayed in figure 4 below.

6. What is your highest level of qualification?

Figure 4. The level of education question in the 2009 NZAVS questionnaire

Table 9 presents the percentage of participants with a High School, Diploma/Certificate, Undergraduate or Postgraduate level education as their highest level of education and participants with no qualification. As shown, 29.1% of participants had some High School qualification as their highest level of education, 15.7% had a Diploma/Certificate, 22.4% had an undergraduate and 9.0% had a postgraduate qualification. Only 11.1% of participants had no qualifications. Overall, 47.1% of participants had a tertiary-level or higher qualification.

Education.Coded.L2					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Unreported	831	12.8	12.8	12.8
	No Qualification	723	11.1	11.1	23.8
	Some HighSchool	1895	29.1	29.1	52.9
	Diploma/Certificate	1025	15.7	15.7	68.7
	Undergraduate	1457	22.4	22.4	91.0
	Post-Graduate	585	9.0	9.0	100.0
	Total	6516	100.0	100.0	

Table 9. The percentage participants in the 2009 NZAVS sample with High School, Diploma/Certificate, Undergraduate, Postgraduate education or No qualification.

Employment Status

Employment status was measured through multiple questions. Firstly, participants were asked what their current employment situation was. This is shown below in figure 5 below.

5a. What is your current employment situation?

If you are currently employed ↓

☐ Employed full-time
☐ Employed part-time
☐ Self-employed
☐ Own your own business
☐ Studying full-time
☐ Unemployed, but want work
☐ Unemployed, don't want work
☐ Other

Figure 5. Current employment situation question in the 2009 NZAVS questionnaire

Table 10 presents the percentage of participants in each employment situation. As shown, 40% of participants were currently in full time employment and 14.9% were in part time employment. Overall 13.9% of participants worked for themselves, either being self-employed (9%) or owning their own business (4.9%). 3.7% of participants were studying full time and 19.5% of participants had an 'Other' employment situation such as stay at home mother, retirement or seasonal work. Interestingly, only 6.8% of participants were unemployed, and 2% of these reported that they did not want work.

		Employment			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Employed full-time	2516	38.6	40.0	40.0
	Employed part-time	941	14.4	14.9	54.9
	Self-employed	565	8.7	9.0	63.9
	Own your own business	320	4.9	5.1	69.0
	Studying full-time	240	3.7	3.8	72.8
	Unemployed, but want work	316	4.8	5.0	77.8
	Unemployed, dont want work	129	2.0	2.0	79.8
	Other	1269	19.5	20.2	100.0
	Total	6296	96.6	100.0	
Missing	System	220	3.4		
Total		6516	100.0		

Table 10. The percentage of participants in the 2009 NZAVS sample in each employment situation.

Participants were also asked if they or the principal earner in their household had been out of work at any time in the last year, as displayed in figure 6 below.

11. Have you or the principal earner in your household been out-of-work at any time in the last year?

☐ Yes
☐ No

Figure 6. The Principal earner unemployment question in the 2009 NZAVS questionnaire

Table 11 presents the results from this question. As shown, 24.6% of participants reported that the principal earner of their household had been out of work in the last year.

		LostJob			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	1506	23.1	24.6	24.6
	No	4625	71.0	75.4	100.0
	Total	6131	94.1	100.0	
Missing	System	385	5.9		
Total		6516	100.0		

Table 11. The percentage of participants in the 2009 NZAVS sample who had a principal earner in the household out of work in the last year

The third measurement of employment was a measure of perceived job security. This was measured by asking participants to rate their perceived job security on a scale of 1 to 7. This is illustrated in figure 7 below.

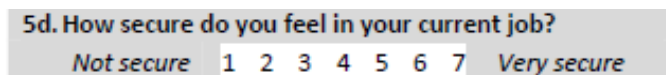
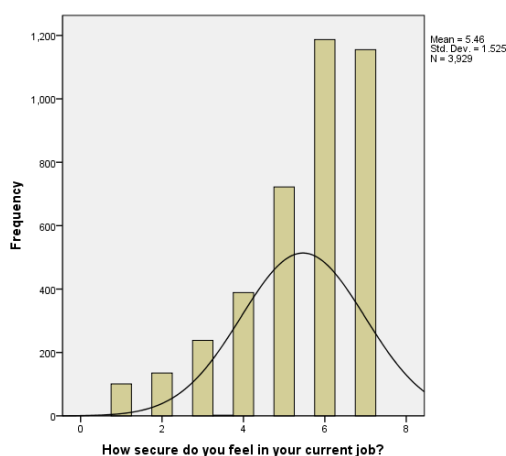


Figure 7. The perceived job security question in the 2009 NZAVS sample.

Table 12 presents mean perceived job security. As measured on a scale of 1 to 7, the mean perceived job security was 5.46. This indicated that, on average, participants felt moderately secure in their job. This can be seen in Graph 2 shown below.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
JobSecure	3929	1	7	5.46	1.525
Valid N (listwise)	3929				

Table 12. The mean perceived job security for employed participants in the 2009 NZAVS sample



Graph 2. The distribution of perceived job security for employed participants in the 2009 NZAVS sample

Country of Birth

Another interesting demographic measured in the 2009 sample of the NZAVS was country of birth. Table 13 presents the frequency of participants born in 84 different countries.

Born.Coded		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Afghanistan	4	.1	.1	.1
	Argentina	1	.0	.0	.1
	Australia	114	1.7	1.8	1.8
	Austria	4	.1	.1	1.9
	Bahrain	1	.0	.0	1.9
	Brazil	2	.0	.0	2.0
	Bulgaria	1	.0	.0	2.0
	Burma	1	.0	.0	2.0
	Cambodia	1	.0	.0	2.0
	Canada	30	.5	.5	2.5
	Channel Islands	2	.0	.0	2.5
	China	71	1.1	1.1	3.6
	Columbia	1	.0	.0	3.6
	Cook Islands	20	.3	.3	3.9
	Croatia	3	.0	.0	4.0
	Cyprus	1	.0	.0	4.0
	Denmark	2	.0	.0	4.0
	Ecuador	1	.0	.0	4.0
	Ethiopia	1	.0	.0	4.1
	Fakaofo Tokelau Island	2	.0	.0	4.1
	Fiji	39	.6	.6	4.7
	Finland	1	.0	.0	4.7
	France	10	.2	.2	4.9
	Germany	19	.3	.3	5.2
	Guyana	1	.0	.0	5.2
	Hungary	3	.0	.0	5.2
	India	33	.5	.5	5.7
	Indonesia	9	.1	.1	5.9
	Iran	3	.0	.0	5.9
	Ireland	10	.2	.2	6.1
	Isle of Man	2	.0	.0	6.1
	Italy	1	.0	.0	6.1
	Japan	4	.1	.1	6.2
	Kenya	5	.1	.1	6.3
	Korea	12	.2	.2	6.5
	Kuwait	1	.0	.0	6.5
	Latvia	1	.0	.0	6.5
	Lebanon	1	.0	.0	6.5
	Macedonia	1	.0	.0	6.5
	Malaysia	30	.5	.5	7.0
	Malta	2	.0	.0	7.0
	Mauritius	2	.0	.0	7.0
	Mexico	1	.0	.0	7.1
	Mozambique	1	.0	.0	7.1
	Netherlands	45	.7	.7	7.8
	New Zealand	5095	78.2	78.2	87.0
	Niue	14	.2	.2	87.2
	P.R.China	5	.1	.1	87.3
	Palestine	1	.0	.0	87.3
	Papua New Guinea	4	.1	.1	87.3
	Peru	1	.0	.0	87.4
	Philippines	27	.4	.4	87.8
	Poland	1	.0	.0	87.8
	Romania	8	.1	.1	87.9
	Russia	2	.0	.0	88.0
	South Korea	2	.0	.0	88.0
	South Africa	69	1.1	1.1	89.1
	Samoa	61	.9	.9	90.0
	Singapore	14	.2	.2	90.2
	Solomon Islands	1	.0	.0	90.2
	Sri Lanka	7	.1	.1	90.3
	Sweden	2	.0	.0	90.4
	Switzerland	8	.1	.1	90.5
	Taiwan	13	.2	.2	90.7
	Tanzania	1	.0	.0	90.7
	Thailand	5	.1	.1	90.8
	Tonga	21	.3	.3	91.1
	Tunisia	1	.0	.0	91.1
	Turkey	1	.0	.0	91.2
	Tuvalu	2	.0	.0	91.2
	United Kingdom	496	7.6	7.7	98.9
	U.S.A.	30	.5	.5	99.4
	Uganda	1	.0	.0	99.4
	Ukraine	1	.0	.0	99.4
	United Arab Emirates	1	.0	.0	99.4
	Uruguay	2	.0	.0	99.4
	Vanuatu	2	.0	.0	99.5
	Vietnam	1	.0	.0	99.5
	Western Samoa	10	.2	.2	99.6
	Serbia	3	.0	.0	99.7
	Zambia	4	.1	.1	99.8
	Zimbabwe	16	.2	.2	100.0
	Total	6433	98.7	100.0	
Missing	System	83	1.3		
Total		6516	100.0		

As shown, 79.2% of participants were born in New Zealand. The United Kingdom was the second most common place of birth with 7.7% of participants being born in the UK. Australia was the third most common place of birth with 1.8% of participants being born in Australia. Interestingly, the fourth most common place of birth was China joint with South Africa, both with 1.1% of participants being born in each country.

2.6% of participants were born in the Pacific Island countries of the Cook Islands (0.3%), Fiji (0.6%), Niue (0.2%), Papa New Guinea (0.1%), Samoa (0.9%), Western Samoa (0.2) and Tonga (0.3%).

9.3% of participants were born in European countries such as Austria (0.1%), France (0.2%), Germany (0.3%), Ireland (0.2%), Netherlands (0.7), Switzerland (0.1%) and the United Kingdom (7.7%).

3% of people were born in Asian countries, such as China (1.1%) Indonesia (0.1%), Japan (0.1%), Korea (0.2%), Malaysia (0.5%), People's Republic of China (0.1%), Philippines (0.4%), Singapore (0.2%), Taiwan (0.2%) and Thailand (0.1%).

Table 13. The frequency of participants born in different countries

Environment in which the participant grew up

The NZAVS also recorded the environment in which the participant grew up. For example, rural, suburban, city. The question from the 2009 questionnaire is displayed below in figure 8 below.

9. Which term best describes where you grew up? (e.g., rural, suburban, city)

Figure 8. The childhood environment question from the 2009 NZAVS questionnaire

Table 14 presents the percentages of participants who grew up in each environment. As shown, 33.2% of participants grew up in a rural environment, 42.9% grew up in a suburban environment and 23.9% grew up in a city environment.

		GrewUp			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Rural	1920	29.5	33.2	33.2
	Suburban	2480	38.1	42.9	76.1
	City	1383	21.2	23.9	100.0
	Total	5783	88.8	100.0	
Missing	System	733	11.2		
Total		6516	100.0		

Table 14. The percentages of participants who grew up in a rural, suburban or city environment

Experience of crime in the last year

The NZAVS measured the percentage of participants who had personally been the victim of crime in the last year. This question is displayed in figure 9 below.

12. Have you personally been the victim of a crime in the last year?

☐ Yes

☐ No

Figure 9. The victim of crime question from the 2009 NZAVS questionnaire

Table 15 presents the percentages of participants from the sample who had personally been the victim of a crime in the last year. 13.8% of participants were the victim of a crime in the last year.

VictimCrime					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	883	13.6	13.8	13.8
	No	5523	84.8	86.2	100.0
	Total	6406	98.3	100.0	
Missing	System	110	1.7		
Total		6516	100.0		

Table 15. The percentage of participants of the 2009 NZAVS sample who have been the victim of a crime in the last year.

Romantic relationships

The NZAVS measured relationship status using three questions. The first was relationship status, as displayed in figure 10 below.

4a. What is your relationship status?

☐ Single

☐ Dating

☐ Living together/De facto

☐ Married

☐ Other

(if other please specify)

Figure 10. The relationship status question in the 2009 NZAVS questionnaire

Table 16 presents the percentage of participants in different types of relationships. More than half of participants were married (54.9%), 14.9% were living together or de facto (not married), and 5.1% were dating. Roughly 1/5 of participants were single (17.8%) and 7.3% had an 'Other' relationship status such as widow, separated or divorced.

		RelStat			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Single	1148	17.6	17.8	17.8
	Dating	328	5.0	5.1	22.8
	Living together/de facto	964	14.8	14.9	37.8
	Married	3547	54.4	54.9	92.7
	Other	474	7.3	7.3	100.0
	Total	6461	99.2	100.0	
Missing	System	55	.8		
Total		6516	100.0		

Table 16. The percentage of participants of the 2009 NZAVS sample who are Single, Dating, Living together/De facto, Married or in an 'Other' relationship.

A second measurement of romantic relationships was length of relationship, as shown in figure 11 below.

4b. How long have you been _____ (years)
with your partner? _____ (months)

Figure 11. The relationship length question in the 2009 NZAVS questionnaire

Table 17 below presents the mean relationship length for each relationship category. The average relationship length for Dating was 2.5 years, for Living together/De Facto was 8.7 years, for Married was 24.5 years and Other was 18.3 years. The longest relationship duration was 73 years.

Descriptives								
RelLengthYEAR								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Dating	224	2.48	3.315	.221	2.04	2.91	0	25
Living together/de facto	933	8.69	7.623	.250	8.20	9.18	0	51
Married	3380	24.45	13.998	.241	23.98	24.92	0	65
Other	96	18.30	18.608	1.899	14.53	22.07	0	73
Total	4633	20.09	14.744	.217	19.66	20.51	0	73

Table 17. The mean relationship length for participants in the 2009 NZAVS sample

The third measurement taken on romantic relationships was relationship satisfaction, as shown in figure 12 below.

4d. How satisfied are you with your relationship with
your partner? (please circle a number on the scale below)
Not satisfied 1 2 3 4 5 6 7 Very satisfied

Figure 12. The relationship satisfaction question in the 2009 NZAVS questionnaire

Table 18 presents the mean relationship satisfaction for each relationship status categories. As shown, Married participants had the highest mean relationship satisfaction with 6.23. This was followed by Living Together/De Facto relationships who had a very similar mean relationship satisfaction of 5.97. Thirdly, participants who were Dating has a mean relationship satisfaction of 5.60 and finally the 'Other' category had a mean satisfaction of 5.14

Descriptives

Rel/Sat

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Dating	292	5.60	1.303	.076	5.45	5.75	2	7
Living together/de facto	949	5.97	1.211	.039	5.89	6.05	1	7
Married	3399	6.23	1.089	.019	6.19	6.26	1	7
Other	103	5.14	2.138	.211	4.72	5.55	1	7
Total	4743	6.11	1.182	.017	6.08	6.15	1	7

Table 18. The mean relationship length for participants in the 2009 NZAVS sample

Preferred term used to describe New Zealanders of European Descent

Another interesting demographic measured in the 2009 NZAVS sample was the term a participant preferred to use to describe New Zealanders of European descent. This was asked in a boxed question with an “Other” option, as displayed below in figure 13.

Which term do you prefer to describe New Zealanders of European descent?

☐ New Zealander

☐ New Zealand European

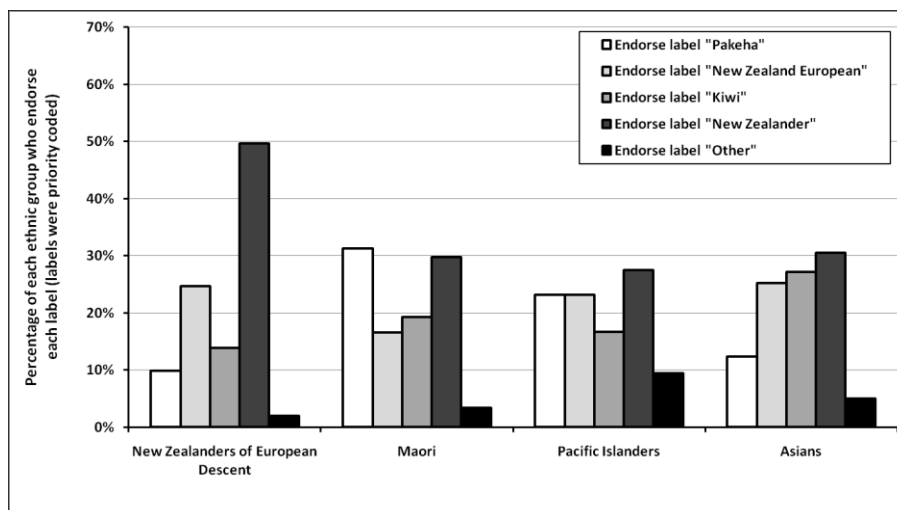
☐ Pakeha

☐ Kiwi

☐ Other _____

Figure 13. The preferred term for New Zealanders of European descent question in the 2009 NZAVS questionnaire

Graph 3 below presents the percentage of each ethnic group in the sample which endorsed each label depending upon their own ethnicity.



Graph 3. The percentage of each ethnic group who endorse each label

The label “New Zealander” had the greatest endorsement overall. This label was most frequently endorsed by New Zealanders of European Descent with approximately 50% of participants from this ethnic group endorsing the label. This was followed by Asian, Maori and Pacific Islanders who endorsed the label to an equal degree with approximately 30% of participants from each ethnic group endorsing the label.

The majority of New Zealanders of European descent endorse the label “New Zealander”, followed by “New Zealand European”, “Kiwi” and “Pakeha.” Maori participants endorsed the label “Pakeha” and “New Zealander” equally, with roughly 30% of Maori endorsing each label.

Parental characteristics

The NZAVS measured parental status by asking how many children participants had given birth to, fathered or adopted and through a measurement of how many children lived with participants for most of the time. These questions are displayed below in figure 14.

10a. How many children have you given birth to, fathered, or adopted? (if none, go to 11)

10b. How many of your children live with you most of the time?

Figure 17. The parental characteristic questions in the 2009 NZAVS questionnaire

Table 20 presents the number of participants who were parents, meaning they had given birth to, fathered or adopted a child. As shown, 74.9% of participants were parents.

ParentalStatus				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid .00	1638	25.1	25.1	25.1
1.00	4880	74.9	74.9	100.0
Total	6518	100.0	100.0	

Table 20. The frequency of participants in the 2009 NZAVS sample who are parents

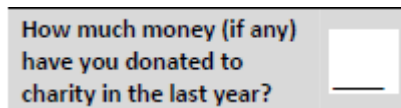
Table 21 presents the mean number of children living with participants from the 2009 sample. As shown, the mean number of children given birth to, fathered or adopted by participants was 2.68. The maximum number of children given birth to, fathered or adopted was 17. Also shown in Table 20 is the mean number of children living with the participants, which was 1.04. The maximum number of children living with a participant was 13.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
ChildrenNum	4880	1	17	2.68	1.428
ChildrenHome	4880	0	13	1.04	1.211
Valid N (listwise)	4880				

Table 21. The mean number of children given birth to, fathered or adopted by each participant and the mean number of children living with participants for most of the time

Donations to charity

The NZAVS measured the amount of money participants gave to charity in the last year. This was measured through the question displayed below in Figure 18.



How much money (if any) have you donated to charity in the last year?

Figure 18. The charity donation question in the 2009 NZAVS questionnaire

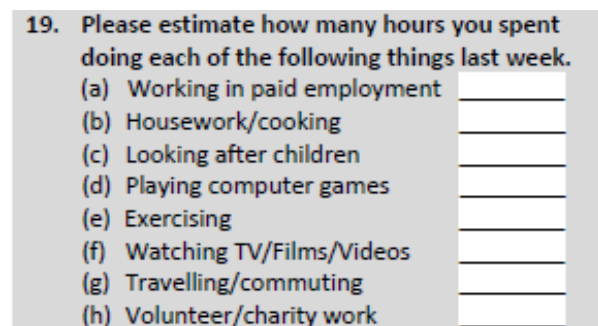
Table 22 presents the results from minimum, maximum and mean amount of money given to charity by participants in the 2009 NZAVS. As shown, the mean amount of money donated to charity was \$573.49. The minimum amount donated was \$0 and the maximum was \$50,000.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
CharityDonate	5646	0	50000	573.49	1943.099
Valid N (listwise)	5646				

Table 22. The minimum, maximum and mean amount of money given to charity by participants in the 2009 NZAVS sample.

Hours spent doing different activities

The NZAVS measured how participants spent their hours during each week. This was measured by the question displayed in Figure 19 below.



19. Please estimate how many hours you spent doing each of the following things last week.

- (a) Working in paid employment
- (b) Housework/cooking
- (c) Looking after children
- (d) Playing computer games
- (e) Exercising
- (f) Watching TV/Films/Videos
- (g) Travelling/commuting
- (h) Volunteer/charity work

Figure 19. The hours of the week question in the 2009 NZAVS questionnaire

Table 23 presents the mean amount of time participants spent doing each activity per week. As shown, participants spent the greatest amount of time at work, an average 24.5 hours per week. The second greatest amount of time was spent with children, an average of about 15 hours per week. Participants spent equal time watching television and doing the housework with approximately 11 hours per week spent on each activity. Participants also spent approximately 5 hours commuting, 5 hours exercising, 1 and a half hours doing charity work and 1 hour 15 minutes playing computer games.

Descriptive Statistics

	N	Mean	Std. Deviation
Hours.Work	6419	24:28	21:13
Hours.Housework	6419	11:24	11:35
Hours.Children	6419	15:13	34:14
Hours.CompGames	6419	01:15	03:54
Hours.Exercise	6419	04:43	06:33
Hours.TV	6419	11:15	09:53
Hours.Commute	6419	05:02	07:14
Hours.Charity	6419	01:36	05:05
Valid N (listwise)	6419		

Table 23. The mean number of hours that participants spent doing each activity per week

These means for men and women are displayed on table 23 and table 24 on the following page. Men from the sample spent a greater amount of time working per week, an average of 29.5 hours per week. Women worked an average of 21 hours per week. However, women and men spent a similar amount of time commuting to work, approximately 5 hours. Women from the sample spent almost double the amount of time that men did doing housework per week. Women reported doing approximately 14 hours of housework per week whereas men reported doing 8 hours of housework. Women reported spending 21 hours per week with their children whereas men reported spending 7 hours with their children.

Women and men from the sample spent approximately the same amount of time playing computer games and watching television each week with women playing on average 1.0 hours of computer games and watching on average 11 hours of television and men playing an average of 1.5 hour of computer games per week and watching on average 12 hours of television per week. Likewise, women and men spent a similar amount of time exercising per week with women exercising on average 4.5 hours per week and men exercising on average 5 hours per week. Women and men from the sample also spent a similar amount of time doing charity work per week, approximately 1.5 hours for men and 2 hours for women.

Descriptive Statistics^a

	N	Mean	Std. Deviation
Hours.Work	2602	29:24	22:26
Hours.Housework	2602	07:42	08:50
Hours.Children	2602	06:44	17:11
Hours.CompGames	2602	01:26	04:17
Hours.Exercise	2602	05:11	07:43
Hours.TV	2602	11:48	10:19
Hours.Commute	2602	05:31	08:08
Hours.Charity	2602	01:29	04:59
Valid N (listwise)	2602		

a. Gender = Male

Table 24. The mean number of hours male participants in the 2009 NZAVS sample spent doing each activity per week**Descriptive Statistics^a**

	N	Mean	Std. Deviation
Hours.Work	3817	21:07	19:39
Hours.Housework	3817	13:55	12:31
Hours.Children	3817	21:00	41:04
Hours.CompGames	3817	01:07	03:37
Hours.Exercise	3817	04:24	05:36
Hours.TV	3817	10:53	09:33
Hours.Commute	3817	04:42	06:32
Hours.Charity	3817	01:41	05:09
Valid N (listwise)	3817		

a. Gender = Female

Table 25. The mean number of hours female participants in the 2009 NZAVS sample spent doing each activity per week

Distribution of regional deprivation across meshblock area units

Comparison of Deprivation across Meshblock Area Units

These graphs compare the distribution of mesh block area units with different levels of deprivation based on the 2006 census (Fig 1a) with the distribution of mesh blocks sampled in the NZAVS-2009. Informal comparison of Figure 1a and 1b indicate that the NZAVS-09 sampled a range of meshblocks that were distributed similarly in terms of level of deprivation to those in the population as a whole.

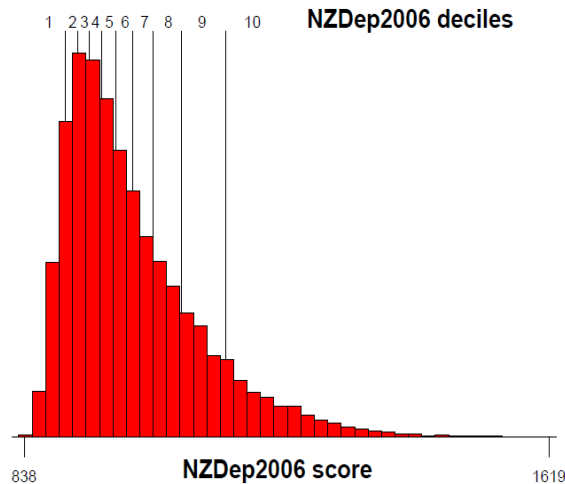


Figure 1a. Distribution of variation in NZDep2006 scores from 2006 census data. As reported in Salmond, Crampton, and Atkinson (2007, Figure 1, page 32).

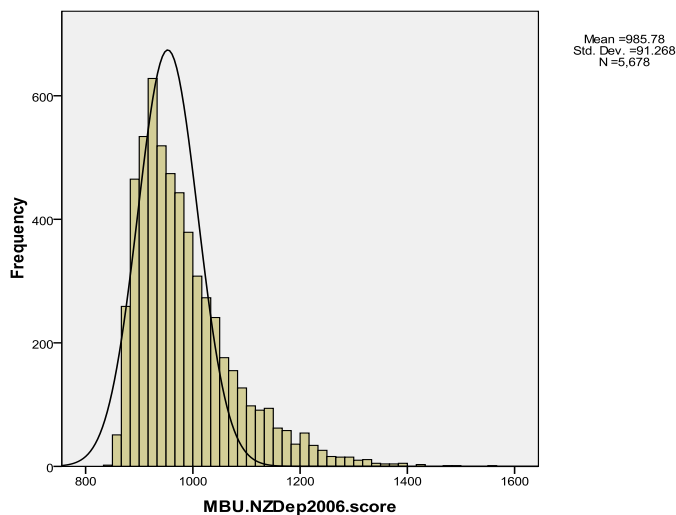


Figure 1b. Distribution of variation in NZDep2006 scores from 2006 census data for the meshblock units in which participants sampled in the NZAVS 2009 resided.

Appendix A: Sample Weighting

This appendix provides a breakdown of the weighting procedure used in the NZAVS.

Note that because this document provides an overview of the sample itself, all data reported in this document were based on unweighted estimates, and thus reflect actual sample frequencies and means.

The NZAVS applies a weighting correction based on gender and ethnicity.

Population estimates used to calculate weights were based on census data for people 15 years of age and over.

Weights for gender were derived as follows, where:

Sample weight = population proportion / sample proportion

	Population proportion		Sample proportion (in NZAVS)		Sample Weight	
	Men	Women	Men	Women	Men	Women
Gender	0.4878	0.5122	0.407	0.593	1.198526	0.863744

Weights for ethnicity were based on estimates of (non-mutually exclusive membership) in the following four ethnic group categories: New Zealand European or Other, Maori, Pacific Nations, and Asian. Note that the 'Other' category, representing all people who identified with an ethnicity other than Maori, Pacific Nations, Asian or European was collapsed with the 'New Zealand European' category for the purposes of post-stratification weighting.

Weights for ethnicity were derived as follows, where:

Sample weight = population proportion / sample proportion

For self-reported membership (yes/no) in each of the four ethnic group categories

	Population proportion		Sample proportion (in NZAVS)		Sample Weight	
	Yes	No	Yes	No	Yes	No
New Zealand European and 'Other' (NZE & O)	0.753539	0.246461	0.849	0.151	0.887561	1.632191
Maori	0.140352	0.859648	0.179	0.821	0.784087	1.047075
Pacific Nations	0.066032	0.933968	0.043	0.957	1.535631	0.975933
Asian	0.088023	0.911977	0.049	0.951	1.796388	0.958966

Weights were then assigned to each participant based on membership in each of the following five categories:

- Gender (male, female)
- NZE & O (yes, no)
- Maori (yes, no)
- Pacific Nations (yes, no)
- Asian (yes, no)

The final sample weight was calculated by multiplying weights for each of these categories, as follows:

$$\text{Sample weight} = W_{(\text{Gender})} * W_{(\text{NZE \& O})} * W_{(\text{Maori})} * W_{(\text{Pacific Nations})} * W_{(\text{Asian})}$$

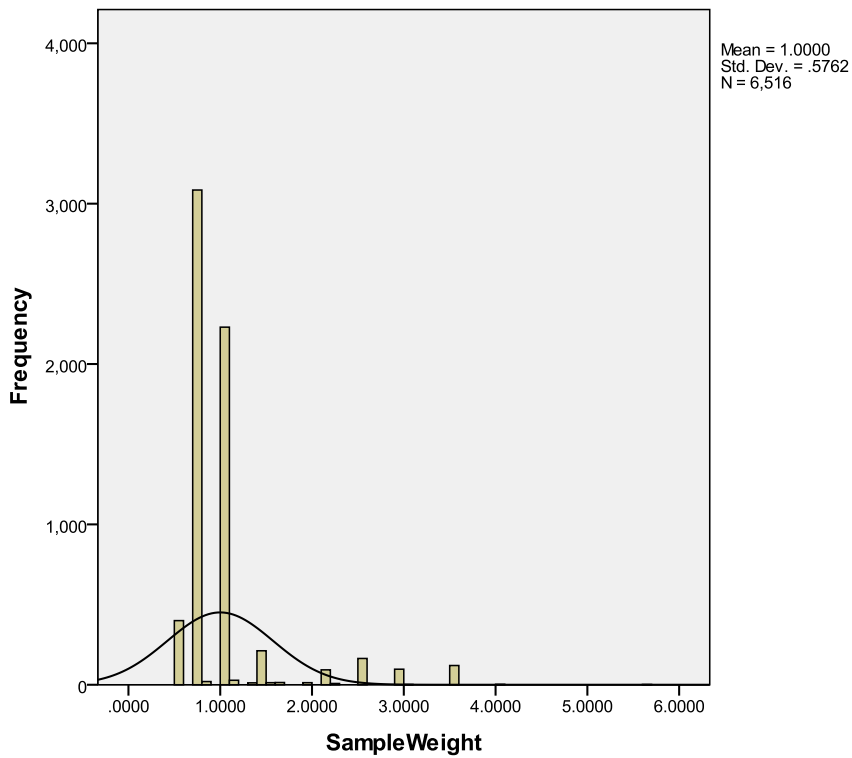
A constant was then added to the sample weight so that mean weight = 1.00

The range of sample weights is provided in the table below.

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SampleWeight	6516	.5326	5.6204	1.000000	.5761663
Valid N (listwise)	6516				

The distribution of sample weights is shown in the figure and corresponding table:



Frequency	Sample Weight
400	0.5326
2857	0.7213
228	0.7506
20	0.8552
271	1.0045
1957	1.0124
2	1.0238
23	1.1521
5	1.1983
12	1.3773
211	1.4055
1	1.4323
13	1.5978
13	1.6103
1	1.6282
5	1.9079
8	1.9228
92	2.1438
1	2.1844
8	2.2288
164	2.5579
97	2.9864
1	3.0193
1	3.0426
120	3.561
3	4.0421
2	5.6204

Appendix B: Number of People Sampled in Each 2006 Census Area Unit

This appendix provides tabulated information on the number of people sampled in the NZAVS 2009 who resided in each Census Area Unit (or CAU). Area units were defined using the Statistics New Zealand 2006 Census Area Unit definitions. Note that this table includes information from the 6423 people for whom address information was available.

2006 Census Area Unit Code	Census Area Unit Name	Number Sampled	2006 Census Area Unit Code	Census Area Unit Name	Number Sampled
500202	Karikari Peninsula-Maungataniwha	6	548612	Lochain	6
500204	Herekino	6	548620	Flaxmere East	1
500205	Ahipara	1	548810	Anderson Park	7
500208	Motutangi-Kareponia	3	548821	Iona	6
500301	Kaitaia West	8	548822	Havelock Hills	1
500302	Kaitaia East	2	548831	Te Mata	7
500401	Kaeo	1	548832	Havelock North Central	6
500402	Mangapa-Matauri Bay	3	548833	Te Mata Hills	5
500700	Omapere and Opononi	1	549100	Waipawa	4
500801	Hokianga North	2	549200	Tikokino	4
500802	Hokianga South	5	549400	Otane	2
500900	Kerikeri	13	549500	Waipukurau	10
501000	Russell	1	549602	Elsthorpe-Flemington	6
501100	Paihia	4	549800	Norsewood-Herbertville	6
501200	Haruru Falls	1	549901	Owahanga	1
501300	Opua East	1	550101	Dannevirke West	2
501500	Moerewa	4	550102	Dannevirke East	3
501612	Opua West	2	550200	Papatawa	3
501614	Kapiro	3	550700	Okoki-Okau	1
501615	Waitangi	1	550901	Bell Block	8
501620	Pokere-Waihaha	5	551012	Glen Avon	4
501631	Okaihau	2	551014	Mangaoraka	1
501633	Waihou Valley-Hupara	6	551021	Carrington	4
501634	Ngapuhi-Kaikou	2	551022	Highlands Park	6
501700	Kaikohe	4	551023	Fernleigh	2
501802	Opouteke-Tanekaha	6	551024	Barrett	1
501806	Marsden Point-Ruakaka	5	551030	Omata	1
501807	Ngunguru	4	551111	Lepperton	2
501809	Wharekohe-Oakleigh	4	551112	Kaitake	7
501810	Maungatapere	1	551301	Waitara West	9
501811	Waiotira-Springfield	4	551302	Waitara East	4
501814	Punaruku-Kiripaka	6	551400	Moturoa	6
501816	Waipu	2	551501	Lynmouth	3
501817	Pataua-Whareora	3	551502	Spotswood	1
501818	Parua Bay	9	551503	Marfell	6
501819	Bream Head	4	551600	Upper Westown	5
502002	Three Mile Bush	1	551700	Westown	6
502003	Te Hihi	1	551900	Kawaroa	3
502004	Abbey Caves	2	552001	Mount Bryan	3
502005	Otaika-Portland	4	552002	Marsland Hill	2
502101	Kamo West	9	552100	Fitzroy	4
502102	Kamo East	7	552200	Welbourn	2
502201	Tikipunga West	3	552300	Merrilands	4
502202	Tikipunga East	6	552400	Frankleigh	10
502300	Whau Valley	5	552500	Struan Park	8
502400	Otangarei	3	552701	Egmont Village	1
502600	Kensington	2	552702	Kaimata	3

502700	Mairtown	1	552800	Inglewood	3
502800	Regent	2	552900	Midhirst	1
502900	Woodhill	2	553002	Douglas	1
503000	Vinetown	4	553003	Toko	1
503100	Whangarei Central	1	553004	Pembroke	2
503200	Riverside	1	553101	Stratford West	3
503300	Horahora	2	553102	Stratford East	3
503400	Maunu	3	553200	Opunake	2
503500	Raumanga East	1	553302	Kahui	5
503600	Morningside	3	553500	Mangatoki-Moeroa	1
503700	Parahaki	2	553601	Eltham	6
503800	Raumanga West	2	553700	Kapuni	2
504000	Sherwood Rise	1	553800	Manaia	1
504100	Onerahi	9	554010	Hawera North	9
504300	Hikurangi	1	554020	Hawera South	3
504501	Kaipara Coastal	3	554111	Ohawe Beach	2
504502	Maungaru	6	554113	Tawhiti	2
504600	Dargaville	8	554114	Waingongoro	1
504700	Maungaturoto	3	554115	Hawera West	1
504800	Ruawai	3	554130	Okaiawa	1
504900	Kaiwaka	1	554500	Makakaho	1
505010	Rehia-Oneriri	13	554700	Patea	1
505021	Mangawhai	2	554800	Waverley	2
505022	Mangawhai Heads	1	554900	Tangiwai	1
505300	Wellsford	4	555200	Otamatea	1
505400	Leigh	1	555300	Blueskin	5
505500	Warkworth	5	555400	Maxwell	6
505600	Kumeu	8	555700	Castlecliff North	5
505700	Waipareira West	1	555800	Castlecliff South	3
505802	Red Beach	9	556000	Balgownie	1
505804	Hatfields Beach	1	556100	Tawhero	3
505805	Orewa	12	556200	Gonville South	5
505902	Manly	8	556400	Gonville West	2
505904	Army Bay	4	556500	Springvale West	3
505906	Vipond	4	556600	Springvale East	2
505907	Stanmore Bay West	5	556700	Wanganui Collegiate	3
505908	Stanmore Bay East	1	556800	Laird Park	4
505909	Wade Heads	3	556900	Wanganui Central	2
505910	Gulf Harbour	6	557100	Cooks Gardens	1
506000	Silverdale South	9	557200	St Johns Hill	2
506300	Dairy Flat-Redvale	3	557300	Lower Aramoho	4
506400	Paremoremo West	1	557400	Upper Aramoho	1
506613	Tauhoa-Puhoi	8	557500	Williams Domain	6
506614	Tahekeroa	4	557600	Wembley Park	1
506615	Cape Rodney	13	557700	Kowhai Park	3
506616	Matheson Bay	2	557800	Bastia Hill	3
506631	Snells Beach	7	557900	Durie Hill	6
506641	Parakai	3	558100	Putiki	1
506643	Kaukapakapa	8	558200	Marybank-Gordon Park	2
506651	Muriwai Beach	2	558300	Fordell-Kakatahi	4
506652	Rewiti	6	558500	Waioru	5
506800	Helensville	5	558600	Mangaweka	1
506901	Awaruku	12	558900	Bulls	4
506902	Glamorgan	4	559210	Moawhango	2
506903	Torbay	5	559220	Pohonui-Porewa	2
507000	Waiake	7	559230	Lake Alice	7
507101	Browns Bay	6	559400	Taihape	6
507102	Oaktree	5	559500	Marton	5
507200	Rothsay Bay	8	559700	Kiwitea	2
507300	Murrays Bay	5	560000	Pohangina	1
507400	Mairangi Bay	3	560200	Ashhurst	6
507500	Campbells Bay	5	560301	Stoney Creek	2
507710	Castor Bay	10	560412	Maewa	4

507720	Crown Hill	6	560421	Halcombe	3
507800	Lake Pupuke	7	560422	Tokorangi-Hiwinui	5
507900	Westlake	2	560710	Feilding North	7
508010	Takapuna Central	2	560720	Feilding West	2
508020	Hauraki	6	560730	Feilding Central	5
508110	Seacliffe	6	560740	Feilding East	4
508120	Bayswater	5	560900	Sanson	1
508210	Kaipatiki	5	561200	Himatangi Beach	1
508220	Windy Ridge	7	561300	Foxton Beach	7
508310	Glenfield Central	3	561410	Rakiraki	1
508320	Glenfield North	6	561422	Oroua Downs-Waitohi	2
508411	Glendhu	5	561500	Moutoa	3
508412	Wittheford	1	561700	Foxton	4
508420	Target Road	8	561811	Kairanga	2
508510	Forrest Hill	7	561812	Longburn	1
508520	Sunnynook	7	561813	Massey University	1
508610	Monarch Park	8	561901	Kauwhata	3
508620	Sunnybrae	3	561902	Turitea	5
508703	Fairview	2	562100	Milson	8
508704	Northcross	7	562200	Kelvin Grove	8
508803	Unsworth Heights	8	562310	Takaro	7
508804	Pinehill	5	562320	Cloverlea	3
508805	Windsor Park	2	562401	Palmerston North Hospital	6
508806	North Harbour West	7	562402	Papaeoia	4
508807	North Harbour East	1	562500	Roslyn	8
508900	Long Bay	2	562600	Terrace End	3
509000	Paremoremo East	4	562710	Highbury	2
509100	Greenhithe	11	562720	Westbrook	10
509300	Narrow Neck	3	562800	Palmerston North Central	3
509400	Mt Victoria	11	562910	Awapuni North	7
509500	Stanley Bay	4	562922	Awapuni South	3
509701	Ocean View	7	563000	West End	3
509702	Tuff Crater	10	563101	Hokowhitu West	7
509800	Northcote South	6	563102	Hokowhitu Lagoon	3
510010	Beachhaven North	11	563200	Hokowhitu East	17
510020	Beachhaven South	2	563300	Aokautere	3
510210	Birkdale North	4	563500	Shannon	1
510220	Birkdale South	4	563701	Waikanae Beach	6
510401	Kauri Park	6	563703	Waikanae East	3
510402	Chelsea	6	563705	Waikanae Park	2
510500	Birkenhead East	2	563706	Waikanae West	4
510700	Henderson North	4	563802	Opiki	1
510800	Henderson South	5	563920	Kaitawa	1
511001	Tangutu	2	564011	Lake Horowhenua	1
511002	Woodglen	5	564012	Waiopahu	1
511100	Glen Eden East	13	564013	Kohitere	1
511301	New Lynn North	2	564021	Mangaore-Manakau	4
511302	New Lynn South	2	564022	Otaki Forks	3
511303	Lynnmall	1	564210	Levin North	6
511401	Fruitvale	6	564220	Levin West	4
511402	Rewarewa	4	564231	Playford Park	7
511601	Glendene North	6	564232	Levin South	4
511602	Glendene South	6	564240	Levin East	5
511700	Kelston Central	2	564400	Otaki	7
511800	Sunnyvale	5	564510	Heretaunga Park	2
511901	Kaurilands	2	564530	Pinehaven	7
511902	Crum Park	3	564602	Riverstone Terraces	3
512000	Titirangi South	2	564800	Glendale	4
512100	Green Bay	10	564900	Parkway	3
512201	Matipo	4	565000	Fernlea	2
512202	Durham Green	3	565100	Arakura	1
512300	Te Atatu Central	6	565200	Homedale West	5
512401	Edmonton	5	565300	Homedale East	4

512402	Wakeling	2	565601	Pauatahanui	1
512500	Mcleod	6	565602	Endeavour	16
512600	Konini	6	565604	Adventure	2
512700	Waima	3	565901	Paraparaumu Beach North	3
512801	Laingholm	2	565902	Otaihanga	1
512901	Parrs Park	5	565903	Paraparaumu Beach South	12
512902	Otimai	7	566000	Paraparaumu Central	18
513011	Henderson West	1	566101	Raumati Beach	5
513012	Palm Heights	2	566102	Raumati South	7
513013	McLaren Park	1	566200	Paekakariki	4
513020	Opanuku	2	566500	Te Marua	2
513100	Swanson	2	566620	Emerald Hill	5
513211	Ulrich	2	566700	Maoribank	5
513212	Starling Park	3	566800	Clouston Park	5
513213	Ranui Domain	3	566900	Totara Park	3
513214	Ranui South	6	567000	Ebdentown	4
513220	Sturges North	10	567200	Maidstone	1
513301	Kingdale	4	567300	Wallaceville	5
513302	Fairdene	5	567400	Elderslea	6
513410	Whenuapai West	2	567500	Moonshine	8
513420	Herald	1	567600	Brentwood	2
513430	Hobsonville	8	567800	Heretaunga-Silverstream	7
513511	Westgate	5	567902	Mangaroa	7
513512	Royal Road West	4	568101	Tawhai	3
513521	West Harbour	11	568102	Holborn	4
513522	Lucken Point	7	568103	Delaney	3
513530	Royal Heights	8	568104	Manuka	2
513620	Birdwood	4	568201	Taita North	2
513631	Waimumu North	4	568202	Taita South	4
513632	Waimumu South	2	568301	Avalon East	2
513701	Taupaki	2	568302	Naenae North	4
513702	Waitakere	3	568303	Naenae South	6
513800	Karekare	5	568402	Boulcott	3
514000	Freemans Bay	9	568501	Epuni West	4
514101	Auckland Harbourside	1	568502	Epuni East	3
514102	Auckland Central West	5	568601	Waterloo West	4
514103	Auckland Central East	3	568602	Waterloo East	8
514200	Newton	2	568701	Waiwhetu North	2
514302	Grafton East	1	568702	Waiwhetu South	6
514401	Roberton	4	568900	Moera	2
514402	Glenavon	5	569001	Woburn North	1
514500	New Windsor	6	569100	Hutt Central	5
514600	Avondale South	5	569201	Melling	1
514700	Blockhouse Bay	8	569202	Alicetown	3
514801	Rosebank	2	569301	Normandale	2
514802	Avondale West	3	569302	Maungaraki	12
514900	Waterview	4	569402	Belmont	4
515001	Point Chevalier West	4	569500	Kelson	4
515002	Point Chevalier East	9	569600	Haywards-Manor Park	1
515003	Point Chevalier South	5	570000	Esplanade	3
515100	Westmere	7	570100	Wilford	5
515201	Herne Bay	4	570300	Eastbourne	12
515202	St Marys	6	570400	Titahi Bay North	5
515301	Ponsonby West	7	570500	Onepoto	9
515302	Ponsonby East	3	570600	Titahi Bay South	7
515410	Grey Lynn West	3	570700	Elsdon-Takapuwahia	5
515420	Grey Lynn East	7	570900	Porirua East	3
515431	Surrey Crescent	2	571000	Ranui Heights	6
515500	Arch Hill	2	571100	Cannons Creek North	1
515700	Epsom North	2	571200	Cannons Creek South	3
515801	Epsom Central	1	571300	Cannons Creek East	3
515802	Epsom South	9	571400	Waitangirua	1
515901	Parnell East	3	571500	Papakowhai	13

515902	Parnell West	5	571600	Ascot Park	7
516001	Mt Hobson	2	571800	Pukerua Bay	6
516002	Remuera South	5	571900	Plimmerton	8
516003	Abbotts Park	7	572000	Mana-Camborne	12
516101	Remuera West	7	572100	Paremata-Postgate	8
516102	Waitaramoa	3	572200	Discovery	13
516201	Orakei South	3	572500	Tawa South	3
516202	Waiata	8	572600	Tawa Central	4
516301	Meadowbank North	6	572701	Linden	5
516302	Meadowbank South	4	572702	Greenacres	1
516400	Orakei North	8	572900	Thorndon-Tinakori Road	9
516500	Mission Bay	3	573000	Lambton	5
				Willis Street-Cambridge Terrace	
516601	Kohimarama West	4	573101		8
516602	Kohimarama East	6	573200	Aro Street-Nairn Street	6
516700	St Heliers	9	573300	Mt Cook-Wallace Street	6
516800	Glendowie	4	573400	Mt Victoria West	17
516900	Glen Innes North	11	573512	Churton	15
517001	Glen Innes West	7	573523	Grenada Village	6
517002	Glen Innes East	1	573524	Newlands East	1
517100	Point England	5	573525	Takapu	1
517200	St Johns	6	573526	Horokiwi	1
517400	Newmarket	5	573600	Johnsonville North	5
517500	Kingsland	10	573700	Johnsonville South	8
517600	St Lukes	4	573800	Johnsonville East	4
517701	Sandringham North	5	573900	Newlands North	2
517702	Sandringham West	10	574001	Newlands South	6
517703	Sandringham East	6	574100	Raroa	4
517800	Mt Albert Central	6	574200	Khandallah Park	4
517901	Springleigh	6	574302	Te Kainga	12
517902	Owairaka West	4	574304	Rangoon Heights	5
517903	Owairaka East	6	574401	Awarua	8
518101	Mt Eden North	4	574402	Ngaio	6
518102	Sherbourne	7	574600	Wadestown	4
518201	Balmoral	11	574700	Wilton-Otari	9
518202	Mt Eden East	3	574800	Karori North	4
518301	Maungawhau	3	574900	Karori Park	6
518302	Mt Eden South	13	575000	Karori East	11
518500	Three Kings	11	575100	Karori South	4
518600	Royal Oak	6	575200	Northland	9
518701	Hillsborough West	10	575300	Kelburn	6
518702	Hillsborough East	3	575400	Taitville	1
518801	Walmsley	2	575500	Mitchelltown	2
518802	Wesley	2	575600	Brooklyn	11
518803	Akarana	6	575700	Vogeltown	4
518901	Lynfield North	6	575800	Kingston	6
518902	Lynfield South	7	575902	Happy Valley-Owhiro Bay	2
519001	Waikowhai West	4	576001	Island Bay West	4
519002	Waikowhai East	7	576002	Island Bay East	9
519200	Mt St John	3	576100	Melrose	9
519300	One Tree Hill Central	4	576200	Berhampore	3
519400	One Tree Hill East	10	576300	Newtown West	11
519710	Onehunga North West	5	576400	Newtown East	3
519720	Onehunga North East	8	576500	Adelaide	1
519810	Onehunga South West	6	576600	Oriental Bay	2
519820	Onehunga South East	3	576700	Roseneath	3
519900	Oranga	6	576800	Hataitai	6
520000	Te Papapa	2	576901	Kilbirnie East	5
520201	Ellerslie North	14	576903	Kilbirnie West	8
520202	Ellerslie South	3	577000	Lyll Bay	5
520300	Mt Wellington North	9	577100	Strathmore Park	6
520401	Ferndale	4	577200	Miramar South	4
520402	Hamlin	5	577300	Miramar North	7

520500	Mt Wellington South	8	577400	Karaka Bay-Worser Bay	4
520601	Tamaki	8	577500	Seatoun	3
520602	Panmure Basin	7	577600	Maupuia	4
520801	Waiheke Island	12	577900	Mangatainoka	6
521000	Great Barrier Island	1	578000	Pahiatua	3
521112	Eden Road-Hill Top	1	578100	Eketahuna	2
521113	Buckland	1	578200	Nireaha-Tiraumea	3
521114	Redoubt	1	578302	Opaki-Fernridge	2
521121	Patumahoe	2	578401	Kopuaranga	6
521122	Kingseat	7	578402	Whareama	4
521131	Pokeno	2	578700	Masterton West	4
521132	Hunua	11	578800	Masterton East	5
521133	Mangatawhiri	6	578901	Solway North	4
521151	Awhitu	6	578902	Solway South	3
521152	Glenbrook	3	579000	Ngaumutawa	2
521153	Otaua	1	579200	Lansdowne	8
521160	Bombay	1	579502	Te Wharau	4
521201	Hingaia	2	579700	Carterton	11
521202	Whangapouri Creek	1	579803	Kahutara	4
521203	Bremner	1	579900	Greytown	3
521301	Drury	4	580000	Featherston	1
521501	Mellons Bay	4	580100	Martinborough	4
521502	Cockle Bay	20	580200	Havelock	2
521601	Howick West	3	580300	Renwick	4
521602	Howick Central	15	580420	Omaka	3
521801	Otahuhu North	1	580430	Spring Creek-Riverlands	2
521802	Fairburn	3	580442	Waikawa	3
521803	Otahuhu East	2	580444	Wairau	13
				Marlborough Sounds	
521901	Otahuhu West	1	580446	Terrestrial	8
522100	Papatoetoe West	10	580801	Ward	1
522201	Papatoetoe North	7	580802	Seddon	2
522202	Papatoetoe Central	11	581100	Picton	7
522301	Dingwall	5	581210	Springlands	4
522302	Papatoetoe East	4	581220	Mayfield	1
522400	Puhinui	9	581230	Blenheim Central	5
522601	Bucklands and Eastern Beaches	16	581240	Whitney	5
522603	Bleakhouse	7	581250	Redwoodtown	12
522604	Bucklands Beach South	5	581260	Witherlea	6
522711	Pigeon Mountain North	3	581400	Kaikoura Township	2
522712	Murvale	7	581500	Kaikoura Rural	1
522721	Pigeon Mountain South	3	581601	Golden Bay	6
522722	Aberfeldy	14	581713	Glenduan	1
522723	Elsmore Park	6	581715	Ngawhatu	2
522730	Half Moon Bay	11	581723	Saxton	5
522810	Pakuranga North	8	581726	Ranzau	1
522820	Sunnyhills	9	581812	Whangamoa	1
522910	Pakuranga Central	10	581822	Brightwater	3
522920	Edgewater	5	581823	Wakefield	4
523000	Pakuranga East	9	581825	Mapua	3
523101	Botany Downs	8	581832	Kaiteriteri	1
523102	Maungamaungaroa	9	581833	Motueka Outer	3
523105	Golfland	6	581836	Wai-Iti	9
523106	Millhouse	15	581841	Golden Downs	1
523107	Burswood	3	581842	Lake Rotoroa	1
523108	East Tamaki	10	582000	Clifton	2
523109	Dannemora	12	582100	Atawhai	1
523110	Kilkenny	1	582300	The Wood	10
523111	Point View	19	582401	Britannia	5
523201	Shelly Park	14	582402	Washington	5
523202	Turanga	6	582600	Maitai	3
523300	Beachlands-Maraetai	17	582700	Kirks	2
523401	Grange	1	582800	Bronte	2

523402	Otara West	3	582900	Atmore	2
523501	Otara North	1	583000	Tahunanui	3
523502	Otara East	4	583100	Tahuna Hills	2
523601	Otara South	3	583201	Toi Toi	6
523602	Ferguson	2	583300	Grampians	3
523711	Flat Bush	3	583400	The Brook	2
523712	Donegal Park	4	583500	Nelson Airport	2
523713	Ormiston	1	583700	Enner Glynn	6
523721	Clover Park	8	583800	Maitlands	5
523722	Redoubt North	9	583900	Isel Park	9
523813	Ardmore	2	584000	Langbein	5
523814	Totara Heights	10	584201	Richmond East	7
523815	Wairere	4	584202	Richmond West	13
523816	Randwick Park	3	584301	Motueka West	2
523817	Hyperion	6	584303	Motueka East	11
523820	Redoubt South	14	584402	Karamea	1
523911	Takanini North	7	584403	Hector-Ngakawau	1
523912	Takanini South	1	584405	Orowaiti	3
523920	Takanini West	12	584409	Buller Coalfields	2
524001	Ambury	13	584410	Westport Rural	1
524002	Mangere Bridge	10	584411	Charleston	1
524111	Mangere Central	5	584500	Westport Urban	3
524112	Mascot	3	584600	Reefton	2
524121	Arahanga	1	584701	Inangahua Valley	1
524122	Viscount	7	584702	Mawheraiti	2
524200	Mangere South	7	584703	Maruia	1
524301	Mangere East	9	584800	Karoro	2
524302	Aorere	5	584922	Blackball	1
524303	Kohuora	14	584930	Dobson	1
524403	Favona West	4	584931	Barrytown	1
524404	Favona North	2	584935	Marsden-Hohonu	1
524405	Favona South	3	584938	Ahaura	1
524510	Harania North	2	585000	Runanga-Rapahoe	2
524520	Harania West	6	585110	Cobden	2
524530	Harania East	6	585130	Greymouth Central	3
524601	Manukau Central	3	585140	Greymouth South	4
524602	Wiri	3	585306	Kumara	1
524711	Burbank	3	585307	Kaniere	1
524713	Rowandale	5	585316	Waimea-Arahura	2
524720	Homai East	9	585318	Hokitika Valley	1
524811	Weymouth West	7	585320	Waitaha	1
524812	Weymouth East	4	585321	Whataroa	1
524821	Clendon North	1	585324	Bruce Bay-Paringa	1
524822	Clendon South	5	585400	Hokitika Urban	1
524901	Hillpark	10	585502	Hanmer Springs	1
524902	Manurewa East	2	585506	Amuri	2
525001	Manurewa Central	10	585601	Parnassus	2
525002	Beaumont	5	585700	Hurunui	5
525101	Leabank	5	585802	Amberley	1
525102	Wattle Farm	18	585803	Leithfield	3
525201	Clevedon	7	585805	Sefton	1
525202	Kawakawa-Orere	1	585807	Loburn	2
525410	Papakura Central	3	585808	Ashley	2
525420	Papakura North	4	586002	Pines-Kairaki Beach	2
525510	Papakura South	4	586112	Waikuku	2
525520	Opaheke	4	586116	Fernside	2
525530	Rosehill	2	586117	Tuahiwi	7
525540	Pahurehure	5	586118	Coldstream	2
525610	Papakura East	6	586120	Woodend	1
525620	Massey Park	5	586302	Rangiora West	9
525630	Papakura North East	4	586303	Rangiora East	3
525700	Red Hill	1	586304	Southbrook	1
525910	Pukekohe North	9	586305	Kingsbury	3

525921	Pukekohe West	8	586306	Rangiora North	3
525922	Bledisloe Park	3	586401	Kaipoi North	4
526101	Waiuku	11	586403	Kaipoi South	2
526102	South Waiuku	3	586404	Mansfield	3
526200	Tuakau	8	586405	Courtenay	1
526500	Raglan	1	586501	Clarkville	1
526601	Waikato Western Hills	4	586502	Kaipoi West	1
526602	Te Uku	2	586601	West Eyreton	2
526701	Onewhero	3	586603	Mandeville	1
526702	Te Akau	1	586604	Ohoka	2
526900	Te Kauwhata	4	586801	Ashley Gorge	3
527004	Matangi	5	586802	Oxford	3
527005	Sylvester	2	586900	Darfield	2
527006	Flagstaff	8	587010	Kirwee	5
527007	Horsham Downs	8	587020	Burnham Military Camp	1
527008	Rototuna	4	587100	Malvern	6
527009	Huntington	9	587302	Halswell South	5
527111	Whitikahu	1	587303	Oaklands West	1
527121	Eureka	2	587304	Oaklands East	8
527122	Gordonton	2	587400	Hornby North	4
527123	Kainui	6	587500	Hornby South	4
527131	Tamahere-Tauwhare	9	587701	Sockburn	9
527132	Hautapu	3	587702	Wigram	4
527210	Waerenga	3	587811	Yaldhurst	1
527221	Maramarua	3	587812	Broomfield	1
527401	Huntly West	2	587820	Templeton	4
527402	Huntly East	6	587830	Islington	4
527501	Cambridge North	4	587841	Prebbleton	7
527502	Cambridge West	5	587844	Westmorland	6
527503	Cambridge Central	1	587845	Aidanfield	7
527504	Leamington West	4	587846	Halswell Domain	4
527505	Leamington East	1	587847	Hendersons Basin	3
527600	Ohaupo	2	587903	Kennedys Bush	1
527820	Temple View	2	587904	West Melton	6
527912	Te Kowhai	1	588101	Redwood North	4
527913	Whatawhata	6	588102	Redwood South	2
527914	Ngahinapouri	3	588200	Styx Mill	5
527915	Lake Cameron	3	588300	Casebrook	3
527923	Pokuru	1	588401	Belfast South	5
527934	Rotoorangi	3	588402	Sawyers Arms	8
527935	Te Rahu	1	588500	Kaimahi	9
527936	Kihikihi Flat	1	588600	Harewood	5
528000	Rotongata	1	588700	Bishopdale	2
528200	Ngaruawahia	12	588800	Russley	7
528310	Bryant	10	588900	Burnside	3
528320	Pukete	5	589000	Wairarapa	1
528402	Pukete West	1	589100	Jellie Park	1
528403	Te Rapa	1	589200	Bryndwr	4
528501	Nawton	4	589300	Holmwood	3
528503	Crawshaw	2	589400	Fendalton	4
528504	Grandview	2	589500	Deans Bush	1
528505	Brymer	2	589601	Hawthornden	7
528601	Dinsdale North	8	589700	Westburn	5
528602	Dinsdale South	3	589800	Masham	5
528700	Beerescourt	4	589900	Avonhead	7
528800	Maeroa	7	590000	Ilam	8
529000	Swarbrick	5	590100	Upper Riccarton	5
529100	Hamilton Lake	3	590200	Wharenui	4
529200	Melville	8	590300	Middleton	2
529300	Glenview	8	590400	Belfast	5
529401	Queenwood	4	590501	Travis Wetland	9
529402	Chedworth	6	590502	Marshland	4
529501	Porritt	1	590602	Parklands	11

529502	Insoll	1	590603	Waimairi Beach	8
529503	Fairview Downs	3	590604	Styx	8
529600	Chartwell	4	590701	Mona Vale	3
529700	Hamilton Central	3	590702	Riccarton West	1
529800	Clarkin	1	590800	Riccarton	3
529900	Claudeland	3	590900	Riccarton South	1
530000	Enderley	8	591101	Cashmere West	8
530100	Peachgrove	3	591102	Cashmere East	4
530200	Hamilton East	9	591300	Heathcote Valley	4
530300	Naylor	11	591500	Cathedral Square	2
530400	Bader	3	591600	Hagley Park	1
530500	University	6	591700	Avon Loop	10
530600	Silverdale	1	591800	Northcote	4
530700	Hillcrest West	4	591900	Papanui	5
530800	Riverlea	8	592000	Aorangi	13
531001	Te Awamutu West	3	592100	Strowan	9
531002	Te Awamutu Central	6	592200	Merivale	2
531003	Te Awamutu East	3	592300	Rutland	9
531004	Te Awamutu South	3	592401	St Albans West	7
531200	Otorohanga	3	592402	St Albans East	12
531301	Otorohanga Rural West	3	592500	Mairehau	7
531303	Te Kawa	1	592600	Edgware	5
531304	Otorohanga Rural East	3	592701	Shirley West	9
531710	Mahoenui	1	592702	Shirley East	2
531720	Marokopa	3	592811	Burwood	2
532000	Te Kuiti	5	592812	Dallington	9
532300	Owhango	1	592820	Travis	6
532501	Ngapuke	3	592900	Avondale	6
532700	Otangiwai-Heao	1	593000	Chisnall	4
532902	Taumarunui Central	4	593100	Aranui	5
532903	Sunshine-Hospital Hill	2	593200	Richmond North	5
532904	Manunui	1	593300	Richmond South	6
533000	Whitianga	7	593400	Avonside	4
533100	Coromandel	2	593501	Linwood	4
533200	Te Rerenga	6	593502	Phillipstown	9
533300	Whangamata	5	593600	Linwood North	2
533400	Tairua	4	593700	Linwood East	2
533501	Moanataiari	5	593800	Bexley	7
533502	Parawai	12	593900	Bromley	9
533602	Pauanui Beach	2	594010	Woolston West	3
533603	Hikuai	7	594020	Ferrymead	4
533604	Te Puru-Thornton Bay	3	594100	Woolston South	3
533800	Ngatea	3	594200	Ensors	7
533901	Hauraki Plains	4	594300	Opawa	7
533902	Turua	4	594400	St Martins	9
534100	Waihi Beach	2	594500	Waltham	2
534200	Ohinemuri	7	594600	Sydenham	11
534300	Paeroa	8	594700	Addington	6
534400	Waihi	8	594800	Barrington North	8
534500	Tahuroa	2	594900	Barrington South	7
534603	Springdale	4	595000	Spreydon	5
534604	Waihou-Walton	6	595100	Hoon Hay	6
534800	Te Aroha	5	595200	Hoon Hay South	2
534901	Morrinsville West	2	595300	Hillmorton	6
534902	Morrinsville East	7	595400	Somerfield	12
535100	Tirau	2	595500	Beckenham	4
535220	Okauia	5	595600	North Beach	4
535231	Te Poi	2	595700	Rawhiti	12
535241	Karapiro	3	595800	New Brighton	6
535242	Hinuera	1	595900	South Brighton	6
535250	Arapuni	3	596000	Mt Pleasant	9
535261	Lichfield	1	596102	Moncks Bay	6
535310	Paraonui	3	596200	Sumner	10

535330	Matarawa	3	596400	Lyttelton	12
535340	Stanley Park	2	596502	Diamond Harbour	4
535350	Tokoroa Central	1	596503	Governors Bay	1
535360	Aotea	4	596800	Akaroa	1
535370	Strathmore	1	596901	Akaroa Harbour	2
535501	Matamata North	4	597200	Lincoln	3
535502	Matamata South	5	597300	Leeston	1
535600	Putaruru	8	597400	Southbridge	2
535700	Athenree	1	597502	Rolleston	9
535800	Katikati Community	5	597504	Springston	8
535900	Maketu Community	2	597506	Selwyn-Rakaia	5
536000	Omokoroa	10	597600	Methven	2
536201	Papamoa Beach East	3	597711	Fairton	8
536202	Palm Springs	4	597720	Mt Somers	5
536203	Doncaster	3	597730	Hinds	7
536512	Kairua	1	597741	Chertsey	1
536513	Bethlehem East	7	597742	Rakaia	2
536514	Bethlehem	5	597810	Allenton	6
536515	Pacific View	2	597820	Ashburton Central West	2
536516	Palm Beach	3	597830	Netherby	2
536517	Gravatt	4	597840	Ashburton Central East	5
536614	Tahawai	5	597850	Hampstead	5
536615	Aongatete	5	597860	Tinwald	2
536620	Minden	5	598312	Orari	7
536630	Kaimai	9	598313	Levels	5
536641	Ohauti-Ngapeke	2	598320	Pleasant Point	2
536642	Upper Papamoa	5	598500	Geraldine	3
536651	Paengaroa	1	598600	Temuka	6
536653	Rangiora	3	598700	Washdyke	1
536654	Pongakawa	4	598800	Waimataitai	2
536810	Mt Maunganui North	7	598900	Marchiel	2
536821	Omanu	7	599000	Maori Park	3
536831	Arataki	9	599100	Highfield	10
536832	Te Maunga	9	599200	Glenwood	1
537000	Matua	9	599300	Gleniti	2
537100	Bellevue	4	599400	Fraser Park	7
537201	Otumoetai North	6	599500	Seaview	1
537202	Otumoetai South	6	599600	Watlington	5
537301	Brookfield	13	599700	Parkside	2
537302	Te Reti	3	599800	Timaru Gardens	4
537400	Judea	5	600200	Fairlie	2
537500	Gate Pa	5	600323	Mackenzie	3
537601	Greerton	3	600410	Waihao	6
537602	Pyes Pa	8	600500	Waimate	6
537700	Yatton Park	6	600600	Weston	1
537800	Poike	2	600812	Ardgowan	1
537900	Hairini	9	600824	Kurow	1
538000	Maungatapu	4	600826	Maheno	6
538101	Tauranga Hospital	2	600827	Omarama	1
538102	Tauranga South	7	600840	Hampden	1
538201	Tauranga Central	3	601010	Oamaru North	4
538301	Kaitemako	1	601020	Orana Park	4
538302	Welcome Bay West	3	601030	Oamaru Central	7
538303	Welcome Bay East	7	601040	Oamaru South	5
538501	Te Puke West	5	601200	Palmerston	2
538502	Te Puke East	4	601301	Waihemo	3
538601	Ngongotaha North	4	601400	Waikouaiti	5
538602	Ngongotaha South	5	601500	Aramoana	1
538732	Lynmore	6	601603	Evansdale	2
538741	Owhata West	6	601604	Karitane	1
538742	Owhata East	2	601900	Fairfield	6
538811	Hamurana	3	602000	Brighton	2
538820	Tikitere	2	602200	Outram	2

538831	Kaingaroa Forest	1	602411	Wyllies Crossing	1
538832	Tarawera	2	602412	Wingatui	2
538841	Golden Springs	2	602421	Kaikorai Hill	3
538842	Reporoa	1	602422	Saddle Hill	3
538850	Ngakuru	3	602500	Taieri	4
538864	Mamaku	1	602600	Strath Taieri	1
539000	Selwyn Heights	2	602900	Fernhill	2
539100	Western Heights	6	603000	High St-Stuart St	6
539200	Fairy Springs	3	603100	Stuart St-Frederick St	3
539310	Pukehangi North	1	603210	Opoho	1
539320	Pukehangi South	3	603220	Forrester Park	1
539400	Mangakakahi	6	603300	North East Valley	11
539500	Sunnybrook	1	603400	Pine Hill	2
539600	Fordlands	4	603500	Woodhaugh	1
539700	Utuhina	2	603602	Otago University	2
539800	Pomare	4	603710	Maori Hill	2
539900	Hillcrest	1	603810	Glenleith	1
540000	Springfield	4	603910	Wakari	6
540100	Kawaha Point	5	603920	Halfway Bush	3
540200	Koutu	5	603930	Brockville	4
540300	Ohinemutu	1	604010	Roslyn North	3
540410	Kuirau	3	604020	Roslyn South	5
540420	Victoria	1	604110	Mornington	4
540510	Glenholme East	2	604120	Belleknowes	5
540520	Glenholme West	2	604130	Kenmure	4
540600	Fenton	3	604210	Caversham	7
541311	Acacia Bay	2	604222	Corstorphine East	4
541318	Rangatira	1	604410	South Dunedin	5
541319	Lakewood	2	604420	Forbury	1
541320	Marotiri	1	604500	St Clair	7
541332	Oruanui	3	604611	Musselburgh	4
541333	Kinloch	1	604612	Andersons Bay	5
541343	Iwitahi	3	604620	Vauxhall	11
541720	Taupo Central	7	604710	St Leonards-Blanket Bay	1
541730	Tauhara	5	604720	Ravensbourne	3
541740	Hilltop	2	604810	Inner Peninsula	1
541750	Waipahihi	3	604822	Macandrew Bay	1
541760	Richmond Heights	5	604830	Broad Bay-Portobello	5
541900	Ohope	8	604901	Taiaroa-Cape Saunders	1
542000	Matata	2	604902	Sandymount	2
542100	Taneatua	2	605100	Sawyers Bay	2
542200	Edgecumbe	3	605200	Port Chalmers	4
542410	Whakatane North	9	605400	St Kilda West	3
542421	Coastlands	1	605500	St Kilda Central	3
542422	Whakatane West	8	605600	St Kilda East	5
542430	Trident	6	605800	Green Island	10
542440	Allandale-Mokorua	8	605910	Abbotsford	3
542530	Otakiri	6	605920	Concord	1
542550	Matahina-Minginui	2	606100	Mosgiel East	11
542562	Urewera	4	606210	Mosgiel South	2
542600	Kawerau	9	606220	East Taieri	2
542700	Murupara	3	606300	Bush Road	2
542800	Opotiki	6	606600	Stirling	3
542906	Waiotahi	5	606700	Bruce	5
543301	East Cape	5	606800	Milton	1
543302	Ruatoria	1	606900	Kaitangata	1
543601	Tarndale-Rakauroa	2	607100	Kaka Point	1
543901	Makaraka	3	607300	Clutha	2
543902	Matokitoki	1	607400	Balclutha	7
543903	Wainui	4	607501	Teviot	1
544001	Wharekaka	4	607502	Tuapeka	1
544002	Tiniroto	5	607800	Roxburgh	3
544003	Manutuke	3	607900	Ranfurly	2

544200	Mangapapa	12	608302	Dunstan	9
544300	Te Hapara	10	608303	Clyde	3
544400	Gisborne Airport	4	608304	Hawea	4
544500	Whataupoko	4	608500	Alexandra	14
544600	Gisborne Central	5	608600	Cromwell	7
544701	Kaiti North	3	608700	Frankton	2
544702	Outer Kaiti	2	608800	Wanaka	8
544801	Kaiti South	2	609022	Kelvin Heights	2
544802	Tamarau	6	609026	Wakatipu	9
544900	Riverdale	2	609029	Matukituki	1
545201	Tuai	1	609301	Queenstown Bay	2
545204	Ruakituri-More	1	609302	Queenstown Hill	3
545205	Maungataniwha	1	609600	Lumsden Community	1
545302	Whakaki	4	609911	Makarewa North	1
545303	Nuhaka	2	609912	Makarewa	3
545304	Mahia	2	609914	Mill Road-Woodend	1
545500	Wairoa	5	609921	Bushy Point	1
545611	Bay View	5	609922	Otatara	8
545621	Poraiti	4	610020	Waikaia	3
545631	Meeanee	1	610032	Chatton	5
545632	Awatoto	1	610033	Kaiwera	2
545710	Twyford	3	610040	Hokonui	2
545721	Karamu	3	610052	Oreti Beach	1
545740	Haumoana	3	610061	Dacre	5
545762	Longlands South	1	610072	Waituna	2
545811	Tangoio	1	610073	Woodlands	1
545812	Eskdale	4	610074	Greenhills	1
545821	Sherenden-Puketapu	2	610080	Toetoes	3
545831	Waiohiki	1	610090	Wallacetown	1
545832	Pakowhai	1	610210	North Gore	5
545841	Maraekakaho	3	610220	East Gore	3
545842	Bridge Pa	1	610230	Central Gore	2
545851	Poukawa	3	610240	West Gore	3
545852	Pakipaki	1	610250	South Gore	1
545860	Waimarama	4	610500	Winton	5
545911	Tutira	1	610601	Grasmere	8
546100	Westshore	1	610602	Waikiwi	5
546300	Onekawa Central	2	610700	Rosedale	13
546400	Onekawa West	1	610800	Gladstone-Avenal	3
546500	Onekawa South	6	610900	Windsor	3
546600	Marewa	11	611001	Waverley-Glengarry	2
546700	Maraenui	3	611002	Hawthorndale	8
546801	Hospital Hill	7	611100	Richmond	4
546802	Bluff Hill	5	611210	Otakaro Park	2
546901	Nelson Park	2	611220	Crinan	2
546902	McLean Park	5	611400	Georgetown	2
547001	Tamatea North	2	611500	Newfield-Rockdale	5
547002	Tamatea South	6	611601	Heidelberg	3
547100	Greenmeadows	10	611602	Strathern	1
547200	Taradale North	11	611700	Appleby-Kew	9
547300	Taradale South	3	611800	Kingswell-Clifton	5
547400	Pirimai	7	612100	Bluff	4
547600	Mahora	3	612300	Ohai	1
547700	St Leonards	6	612500	Tuatapere	1
547800	Frimley	3	612600	Otautau	1
547900	Raureka	2	612712	Manapouri	2
548000	Mayfair	2	612714	Mararoa River	2
548100	Parkvale	8	612720	Wairio	2
548200	Hastings Central	3	612730	Te Waewae	2
548300	Akina	8	612740	Fairfax	4
548500	Camberley	2	612802	Riverton West	2
548611	Kingsley-Chatham	1	613000	Stewart Island	1

Appendix C: Copy of the New Zealand Attitudes and Values 2009 Questionnaire

Consent Form and Contact Details

This form will be kept for a period of twenty years.

Title of Project: **The New Zealand Attitudes and Values Study**

Researcher: Dr. Chris Sibley, Psychology Department, The University of Auckland.
Phone: 09-373-7599, extn 88353. E-mail: c.sibley@auckland.ac.nz

This form is to gather your consent to participate in this study. Only Dr. Sibley and his research associates will have access to your responses. Your personal information will be kept separate from your responses at all times. Your questionnaire will be identified by an anonymous code. An encrypted electronic copy of all responses will be stored indefinitely for research purposes in a secure room in the Department of Psychology.

I have read and understood a description of this research project. On this basis, I agree to take part. I understand that my data will remain confidential at all times. I understand that only Dr. Sibley will have access to my contact details. I consent to publication of the results of the project with the understanding that my anonymity will be preserved. I understand that I am free to withdraw from the research at any time up until the point at which I complete and return this questionnaire.

I understand that my contact details will never be shared with anyone. I understand that Dr. Sibley will use these details to contact and invite me to complete follow-up questionnaires, possibly for the next twenty years. Finally, I understand that my contact details will be used to contact me if I win the **\$500 grocery voucher prize draw** for participating in this study.

Name:			
Signature:		Date:	
Home phone:		Cell phone:	
Email address:			
Postal Address:			

APPROVED BY THE UNIVERSITY OF AUCKLAND HUMAN PARTICIPANTS ETHICS COMMITTEE
ON 09-SEPTEMBER-2009 FOR 3 YEARS. REFERENCE NUMBER: 2009/336.

PLEASE POST BACK THE FULL QUESTIONNAIRE (INCLUDING THIS PAGE) USING THE PROVIDED PRE-PAID ENVELOPE.

Instructions: This part of the questionnaire measures your personality. Please circle the number that best represents how accurately each statement describes you.

I...	Very Inaccurate				Very Accurate			
	↓						↓	
1. Am the life of the party.	1	2	3	4	5	6	7	
2. Sympathize with others' feelings.	1	2	3	4	5	6	7	
3. Get chores done right away.	1	2	3	4	5	6	7	
4. Have frequent mood swings.	1	2	3	4	5	6	7	
5. Have a vivid imagination.	1	2	3	4	5	6	7	
6. Don't talk a lot.	1	2	3	4	5	6	7	
7. Am not interested in other people's problems.	1	2	3	4	5	6	7	
8. Have difficulty understanding abstract ideas.	1	2	3	4	5	6	7	
9. Like order.	1	2	3	4	5	6	7	
10. Make a mess of things.	1	2	3	4	5	6	7	
11. Do not have a good imagination.	1	2	3	4	5	6	7	
12. Feel others' emotions.	1	2	3	4	5	6	7	
13. Am relaxed most of the time.	1	2	3	4	5	6	7	
14. Get upset easily.	1	2	3	4	5	6	7	
15. Seldom feel blue.	1	2	3	4	5	6	7	
16. Keep in the background.	1	2	3	4	5	6	7	
17. Am not really interested in others.	1	2	3	4	5	6	7	
18. Am not interested in abstract ideas.	1	2	3	4	5	6	7	
19. Often forget to put things back in their proper place.	1	2	3	4	5	6	7	
20. Talk to a lot of different people at parties.	1	2	3	4	5	6	7	
	Very Inaccurate				Very Accurate			
21. Insult people.	1	2	3	4	5	6	7	
22. Believe in the importance of art.	1	2	3	4	5	6	7	
23. Want people to know that I am an important person of high status.	1	2	3	4	5	6	7	
24. Feel entitled to more of everything.	1	2	3	4	5	6	7	
25. On the whole am satisfied with myself.	1	2	3	4	5	6	7	
26. Know that people in my life accept and value me.	1	2	3	4	5	6	7	
27. Don't care to know what other people really think of me.	1	2	3	4	5	6	7	
28. Love a good fight.	1	2	3	4	5	6	7	
29. Get deeply immersed in music.	1	2	3	4	5	6	7	
30. Would like to be seen driving around in a very expensive car.	1	2	3	4	5	6	7	
31. Deserve more things in life.	1	2	3	4	5	6	7	
32. Take a positive attitude toward myself.	1	2	3	4	5	6	7	
33. Feel like an outsider.	1	2	3	4	5	6	7	
34. Don't gossip about other people's business.	1	2	3	4	5	6	7	
35. Hate to seem pushy.	1	2	3	4	5	6	7	
36. Seldom daydream.	1	2	3	4	5	6	7	
37. Would get a lot of pleasure from owning expensive luxury goods.	1	2	3	4	5	6	7	
38. Would never accept a bribe, even if it were very large.	1	2	3	4	5	6	7	
39. Demand the best because I'm worth it.	1	2	3	4	5	6	7	
40. Am inclined to feel that I am a failure.	1	2	3	4	5	6	7	
41. Know that people around me share my attitudes and beliefs.	1	2	3	4	5	6	7	

Instructions: Please circle the number that best represents how important each of the following values is for you as a guiding principle in your life. Use the scale below to rate these items.

Opposed to my values -1	Not important 0	1	2	Important 3	4	5	Very important 6	7	Of supreme importance
1. PROTECTING THE ENVIRONMENT (preserving nature)	-1	0	1	2	3	4	5	6	7
2. A VARIED LIFE (filled with challenge, novelty and change)	-1	0	1	2	3	4	5	6	7
3. HONORING OF PARENTS AND ELDERS (showing respect)	-1	0	1	2	3	4	5	6	7
4. AUTHORITY (the right to lead or command)	-1	0	1	2	3	4	5	6	7
5. EQUALITY (equal opportunity for all)	-1	0	1	2	3	4	5	6	7
6. A WORLD AT PEACE (free of war and conflict)	-1	0	1	2	3	4	5	6	7
7. AN EXCITING LIFE (stimulating experiences)	-1	0	1	2	3	4	5	6	7
8. FAMILY SECURITY (safety for loved ones)	-1	0	1	2	3	4	5	6	7
9. INFLUENCE (having an impact on people and events)	-1	0	1	2	3	4	5	6	7
10. SOCIAL JUSTICE (correcting injustice, care for the weak)	-1	0	1	2	3	4	5	6	7
11. CURIOSITY (interest in everything, exploring)	-1	0	1	2	3	4	5	6	7
12. SELF-DISCIPLINE (self-restraint, resistance to temptation)	-1	0	1	2	3	4	5	6	7
13. WEALTH (material possessions, money)	-1	0	1	2	3	4	5	6	7

Instructions: The statements below reflect different opinions and points of view. Please indicate how strongly you disagree or agree with each statement. Remember, the best answer is your own opinion.

		Strongly Disagree					Strongly Agree	
		↓						↓
1.	It is OK if some groups have more of a chance in life than others.	1	2	3	4	5	6	7
2.	It is always better to trust the judgment of the proper authorities in government and religion than to listen to the noisy rabble-rousers in our society who are trying to create doubt in people's minds.	1	2	3	4	5	6	7
3.	I wish people in this society would stop obsessing so much about race.	1	2	3	4	5	6	7
4.	Inferior groups should stay in their place.	1	2	3	4	5	6	7
5.	It would be best for everyone if the proper authorities censored magazines so that people could not get their hands on trashy and disgusting material.	1	2	3	4	5	6	7
6.	Everyone in New Zealand has a fair shot at wealth and happiness, regardless of their ethnicity or race.	1	2	3	4	5	6	7
7.	To get ahead in life, it is sometimes okay to step on other groups.	1	2	3	4	5	6	7
8.	Our country will be destroyed some day if we do not smash the perversions eating away at our moral fibre and traditional beliefs.	1	2	3	4	5	6	7
9.	To a large extent, a person's race biologically determines his or her abilities.	1	2	3	4	5	6	7
10.	We should have increased social equality.	1	2	3	4	5	6	7
11.	People should pay less attention to The Bible and other old traditional forms of religious guidance, and instead develop their own personal standards of what is moral and immoral.	1	2	3	4	5	6	7
12.	It would be good if groups could be equal.	1	2	3	4	5	6	7
13.	Atheists and others who have rebelled against established religions are no doubt every bit as good and virtuous as those who attend church regularly.	1	2	3	4	5	6	7
14.	We should do what we can to equalise conditions for different groups.	1	2	3	4	5	6	7
15.	I often think about the fact that I am a member of my ethnic group.	1	2	3	4	5	6	7
16.	Some of the best people in our country are those who are challenging our government, criticizing religion, and ignoring the "normal way" things are supposed to be done.	1	2	3	4	5	6	7

Instructions: The following items assess your current satisfaction with different aspects of your life and aspects of New Zealand more generally. Please rate how satisfied you are with each aspect of your life and/or New Zealand society using the scale below.

1	Somewhat satisfied								Completely satisfied							
	2	3	4	5	6	7	8	9	10							
1.	Your standard of living.						1	2	3	4	5	6	7	8	9	10
2.	The economic situation in New Zealand.						1	2	3	4	5	6	7	8	9	10
3.	The quality of New Zealand’s natural environment.						1	2	3	4	5	6	7	8	9	10
4.	Your health.						1	2	3	4	5	6	7	8	9	10
5.	The social conditions in New Zealand.						1	2	3	4	5	6	7	8	9	10
6.	The performance of the current New Zealand government.						1	2	3	4	5	6	7	8	9	10
7.	Your future security.						1	2	3	4	5	6	7	8	9	10
8.	Business in New Zealand						1	2	3	4	5	6	7	8	9	10
9.	Your personal relationships.						1	2	3	4	5	6	7	8	9	10
10.	John Key’s leadership as The Prime Minister of New Zealand.						1	2	3	4	5	6	7	8	9	10

Instructions: The statements below reflect different opinions and points of view. Please indicate how strongly you disagree or agree with each statement. Remember, the best answer is your own opinion.

	Strongly Disagree ↓							Strongly Agree ↓						
1. We are all New Zealanders and the law should <i>not</i> make provision for minority groups because of their ethnicity.	1	2	3	4	5	6	7							
2. I think that Māori culture helps to define New Zealand in positive ways.	1	2	3	4	5	6	7							
3. There are people I can depend on to help me if I really need it.	1	2	3	4	5	6	7							
4. Māori and Pacific Islanders tend to be more overweight than other NZers.	1	2	3	4	5	6	7							
5. We are all one nation and we should all be treated the same. No one should be entitled to anything more than the rest of us simply because they belong to one particular ethnic group.	1	2	3	4	5	6	7							
6. New Zealand would be a better place to live if we forgot about trying to promote Māori culture to everyone.	1	2	3	4	5	6	7							
7. In my opinion, more good jobs for Asians means fewer good jobs for members of other groups in New Zealand.	1	2	3	4	5	6	7							
8. True equality can be achieved only once we recognize that some ethnic groups are currently more disadvantaged than others and require additional assistance from the government.	1	2	3	4	5	6	7							
9. Māori have very different values and morals compared to most other NZers.	1	2	3	4	5	6	7							
10. Men and women both have a fair shot at wealth and happiness in NZ.	1	2	3	4	5	6	7							
11. The fact that I am a member of my ethnic group is an important part of my identity.	1	2	3	4	5	6	7							
12. By taking personal action I believe I can make a positive difference to environmental problems.	1	2	3	4	5	6	7							
13. There is no one I can turn to for guidance in times of stress.	1	2	3	4	5	6	7							
14. I feel I can make a difference to the state of the environment.	1	2	3	4	5	6	7							
15. People from other races would be likely to reject me on the basis of my race.	1	2	3	4	5	6	7							
16. Pacific Islanders have very different values and morals compared to most other NZers.	1	2	3	4	5	6	7							
17. I know there are people I can turn to when I need help.	1	2	3	4	5	6	7							
18. I reckon Māori culture should stay where it belongs—with Māori. It doesn't concern other NZers.	1	2	3	4	5	6	7							

Instructions: The statements below reflect different opinions and points of view. Please indicate how strongly you disagree or agree with each statement. Remember, the best answer is your own opinion.

	Strongly Disagree ⇓				Strongly Agree ⇓			
1. People who become preoccupied by race are forgetting that we're all just human.	1	2	3	4	5	6	7	
2. Women, compared to men, tend to have greater moral sensibility.	1	2	3	4	5	6	7	
3. The New Zealand government should be involved in regulating carbon emissions.	1	2	3	4	5	6	7	
4. I feel a great pride in the land that is our New Zealand.	1	2	3	4	5	6	7	
5. I am satisfied with my life.	1	2	3	4	5	6	7	
6. Women are too easily offended.	1	2	3	4	5	6	7	
7. In my opinion, more good jobs for Māori means fewer good jobs for members of other groups in New Zealand.	1	2	3	4	5	6	7	
8. Climate change is real.	1	2	3	4	5	6	7	
9. We should all move on as one nation and forget about past differences and conflicts between ethnic groups.	1	2	3	4	5	6	7	
10. Asians have different values and morals compared to most other NZers.	1	2	3	4	5	6	7	
11. Putting racial labels on people obscures the fact that everyone is a unique individual.	1	2	3	4	5	6	7	
12. Women exaggerate problems they have at work.	1	2	3	4	5	6	7	
13. In general, I find New Zealand society to be fair.	1	2	3	4	5	6	7	
14. NZ Europeans have different values and morals compared to most other NZers.	1	2	3	4	5	6	7	
15. Climate change is caused by humans.	1	2	3	4	5	6	7	
16. It is OK for parents to use smacking as a way to discipline their children.	1	2	3	4	5	6	7	
17. In general, relations between different ethnic groups in New Zealand are fair.	1	2	3	4	5	6	7	
18. Many women have a quality of purity that few men possess.	1	2	3	4	5	6	7	
19. We should not have to pay for the mistakes of our ancestors.	1	2	3	4	5	6	7	
20. Women seek to gain power by getting control over men.	1	2	3	4	5	6	7	
21. In my opinion, more good jobs for NZ Europeans means fewer good jobs for members of other groups in New Zealand.	1	2	3	4	5	6	7	
22. In general, the New Zealand political system operates as it should.	1	2	3	4	5	6	7	
23. Once a woman gets a man to commit to her she usually tries to put him on a tight leash.	1	2	3	4	5	6	7	
24. Women, as compared to men, tend to have a more refined sense of culture and good taste.	1	2	3	4	5	6	7	
25. I feel anxious about interacting with people from other races.	1	2	3	4	5	6	7	
26. People who weren't around in previous centuries should not feel accountable for the actions of their ancestors.	1	2	3	4	5	6	7	
27. In my opinion, more good jobs for Pacific Islanders means fewer good jobs for members of other groups in New Zealand.	1	2	3	4	5	6	7	
28. In general, relations between men and women in New Zealand are fair.	1	2	3	4	5	6	7	
29. In most ways my life is close to ideal.	1	2	3	4	5	6	7	
30. Women should be cherished and protected by men.	1	2	3	4	5	6	7	
31. Generally, the more influence NZ has on other nations, the better off they are.	1	2	3	4	5	6	7	
32. When women lose to men in a fair competition, they typically complain about being discriminated against.	1	2	3	4	5	6	7	
33. Although at times I may not agree with the government, my commitment to New Zealand always remains strong.	1	2	3	4	5	6	7	
34. Every man ought to have a woman whom he adores.	1	2	3	4	5	6	7	
35. Being a member of my ethnic group is an important part of how I see myself.	1	2	3	4	5	6	7	
36. Foreign nations have done some very fine things but they are still not as good as New Zealand.	1	2	3	4	5	6	7	

Instructions: Please rate how strongly you oppose or support each of the following political parties.

Strongly oppose 1	Neutral 23456												Strongly support 7			
The National Party	1	2	3	4	5	6	7		The ACT Party	1	2	3	4	5	6	7
The Labour Party	1	2	3	4	5	6	7		The Māori Party	1	2	3	4	5	6	7
The Green Party	1	2	3	4	5	6	7		United Future	1	2	3	4	5	6	7

Instructions: Please answer each of the following questions by circling a number on the scale below.

Definitely NO 1	Unsure 2 3 4 5 6						Definitely YES 7
1. Of course, we all hope that there will not be another war, but if it were to come to that, would you be willing to fight for your country?	1	2	3	4	5	6	7
2. Should a smack as part of good parental correction be a criminal offence in NZ?	1	2	3	4	5	6	7
3. Are you willing to make sacrifices to your standard of living (e.g., accept higher prices, drive less, conserve energy) in order to protect the environment?	1	2	3	4	5	6	7
4. Have you made sacrifices to your standard of living (e.g., accepted higher prices, driven less, conserved energy) in order to protect the environment?	1	2	3	4	5	6	7
5. Do you think <i>most New Zealanders</i> are willing to make sacrifices to their standard of living in order to protect the environment?	1	2	3	4	5	6	7
6. Do you think people from your ethnic group are more at risk of weight-based illnesses (e.g., heart illnesses, diabetes) than other New Zealanders, on average?	1	2	3	4	5	6	7
7. Are you willing to change your daily routine in order to protect the environment?	1	2	3	4	5	6	7
8. Have you made changes to your daily routine in order to protect the environment?	1	2	3	4	5	6	7
9. Do you think you personally are more at risk of a weight-based illness (e.g., heart illnesses, diabetes) than other New Zealanders, on average?	1	2	3	4	5	6	7

Instructions: The following scale lists a variety of actual or proposed policy changes and initiatives. Please rate how strongly you oppose or support each of the following policies.

	Strongly Oppose ↓						Strongly Support ↓					
1. Government subsidy of public transport.	1	2	3	4	5	6	7					
2. The current anti-smacking bill. (i.e., it being illegal to smack children).	1	2	3	4	5	6	7					
3. Māori ownership of the seabed and foreshore.	1	2	3	4	5	6	7					
4. Performance of the Haka at international sports events.	1	2	3	4	5	6	7					
5. Incentives to increase women's participation in the paid workforce (paid for by government).	1	2	3	4	5	6	7					
6. Increased government spending on new motorways.	1	2	3	4	5	6	7					
7. Reserving places for Māori students to study medicine.	1	2	3	4	5	6	7					
8. Waitangi Day as a national celebration of biculturalism.	1	2	3	4	5	6	7					
9. The Civil Union Act.	1	2	3	4	5	6	7					
10. Affirmative action policies for women promoting entry into female-under-represented occupations, such as construction and the trades.	1	2	3	4	5	6	7					
11. Rates exemptions on Māori land.	1	2	3	4	5	6	7					
12. Teaching Māori language in New Zealand primary schools.	1	2	3	4	5	6	7					
13. Introducing a programme to enhance sustainable business growth among businesses owned and operated by women.	1	2	3	4	5	6	7					
14. Singing the national anthem in Māori and English.	1	2	3	4	5	6	7					
15. Crown (government) ownership of the seabed and foreshore.	1	2	3	4	5	6	7					

How accurately do the following statements describe how you generally act in your close relationships?

	Very Inaccurate				Very Accurate			
	↓				↓			
1. I try to enhance the bonding and intimacy in my close relationships.	1	2	3	4	5	6	7	
2. I try to avoid disagreement and conflict in my close relationships.	1	2	3	4	5	6	7	
3. I try to move toward growth and development in my close relationships.	1	2	3	4	5	6	7	
4. I try to stay away from situations that would harm my close relationships.	1	2	3	4	5	6	7	
5. I try to share many fun and meaningful experiences with people I am close to.	1	2	3	4	5	6	7	
6. I try to make sure that nothing bad happens to my close relationships.	1	2	3	4	5	6	7	

In your day-to-day life, how often do people in New Zealand act toward you in the following ways?

Have never experienced this 1	Sometimes experience this					Often experience this 7			
2	3	4	5	6					
1. Do things to threaten you.	1	2	3	4	5	6	7		
2. Insist that they know what is best for you.	1	2	3	4	5	6	7		
3. Are friendly and willing to help you.	1	2	3	4	5	6	7		
4. Happily interact with you in formal situations but not social ones.	1	2	3	4	5	6	7		
5. Make threatening gestures toward you.	1	2	3	4	5	6	7		
6. Offer advice and opinions even when you don't want it.	1	2	3	4	5	6	7		
7. Are happy to hear your opinions about things.	1	2	3	4	5	6	7		
8. Only socialize or interact with you when it suits their purposes.	1	2	3	4	5	6	7		
9. Attack you, or make you fear that they might.	1	2	3	4	5	6	7		
10. Try to help you with things you'd rather do for yourself.	1	2	3	4	5	6	7		
11. Make you feel welcome when they meet you.	1	2	3	4	5	6	7		
12. Treat you with respect, but avoid socializing with you.	1	2	3	4	5	6	7		

Instructions: Please rate the warmth of your feelings toward the following groups using the “feeling thermometer scale” for each group. A rating of “1” indicates your feeling toward that group to be least warm (least favourable) while a rating of “7” indicates your feeling is most warm (most favourable).

Feel least warm towards this group 1	Neutral										7	Feel most warm toward this group				
	2	3	4	5	6											
Americans	1	2	3	4	5	6	7		Overweight people	1	2	3	4	5	6	7
Māori	1	2	3	4	5	6	7		Immigrants in general	1	2	3	4	5	6	7
NZ Europeans	1	2	3	4	5	6	7		Chinese	1	2	3	4	5	6	7
Pacific Islanders	1	2	3	4	5	6	7		Asians in general	1	2	3	4	5	6	7

<p>Roughly how many hours (if any) have you spent with <u>friends</u> from each of the following groups in the last week?</p> <p>(a) Americans <input type="text"/></p> <p>(b) Māori <input type="text"/></p> <p>(c) NZ Europeans <input type="text"/></p> <p>(d) Asians <input type="text"/></p> <p>(e) Pacific Islanders <input type="text"/></p>	<p>Which term do you prefer to describe New Zealanders of European descent?</p> <p><input type="checkbox"/> New Zealander</p> <p><input type="checkbox"/> New Zealand European</p> <p><input type="checkbox"/> Pakeha</p> <p><input type="checkbox"/> Kiwi</p> <p><input type="checkbox"/> Other <input type="text"/></p>	<p>Which country were you born in? <input type="text"/></p>
		<p>If you were born overseas, for how many years have you lived in NZ? <input type="text"/></p>
		<p>How much money (if any) have you donated to charity in the last year? <input type="text"/></p>

Please rate how politically conservative versus liberal you see yourself as being:	Extremely conservative	1	2	3	4	5	6	7	Extremely Liberal
--	------------------------	---	---	---	---	---	---	---	-------------------

**Extremely
conservative**

1	2	3	4	5	6	7
---	---	---	---	---	---	---

Extremely Liberal

Finally, please tell us a little about yourself and your circumstances...

1. Which ethnic group do you belong to?

Mark the space or spaces which apply to you.

- ☐ New Zealand European
☐ Māori
☐ Samoan
☐ Cook Island Māori
☐ Tongan
☐ Niuean
☐ Chinese
☐ Indian
☐ Other such as *DUTCH, JAPANESE, TOKELAUAN.*

Please state:

2. Are you male or female?

- ☐ Male
☐ Female (please tick ☒ one)

3. What is your age?

(years)

4a. What is your relationship status?

- ☐ Single
☐ Dating
☐ Living together/De facto
☐ Married

If you are in a relationship ↓

☐ Other
(if other please specify)

4b. How long have you been with your partner?

(years)
 (months)

4c. What is your partner's ethnicity? (please be specific)

4d. How satisfied are you with your relationship with your partner? (please circle a number on the scale below)

Not satisfied 1 2 3 4 5 6 7 Very satisfied

5a. What is your current employment situation?

- ☐ Employed full-time
☐ Employed part-time
☐ Self-employed
☐ Own your own business
☐ Studying full-time
☐ Unemployed, but want work
☐ Unemployed, don't want work
☐ Other

If you are currently employed ↓

5b. How long have you worked in your current job for?

5c. How satisfied are you with your current job?

Not satisfied 1 2 3 4 5 6 7 Very satisfied

5d. How secure do you feel in your current job?

Not secure 1 2 3 4 5 6 7 Very secure

6. What is your highest level of qualification?

7. What did you eat for dinner last night?

8. Do you identify as Māori and/or have any ancestors who are Māori?

- ☐ Yes
☐ No

9. Which term best describes where you grew up? (e.g., rural, suburban, city)

10a. How many children have you given birth to, fathered, or adopted?

(if none, go to 11)

10b. How many of your children live with you most of the time?

11. Have you or the principal earner in your household been out-of-work at any time in the last year?

- ☐ Yes
☐ No

12. Have you personally been the victim of a crime in the last year?

- ☐ Yes
☐ No

13. Which political party did you vote for in the last election?

14. Please estimate your total household income (before tax) for the year 2009.

\$

15. Please estimate your own personal earnings (before tax) for the year 2009.

\$

16. If an election were held today, who would you vote for to be Prime Minister?

17a. Do you identify with a religion and/or spiritual group?

- ☐ Yes
☐ No

17b. If yes to 17a, then what religion/spiritual group?

17c. If yes to 17a, how important is your religion to how you see yourself?

Not important 1 2 3 4 5 6 7 Very important

18. If an election were held today, which political party would you vote for?

19. Please estimate how many hours you spent doing each of the following things last week.

- (a) Working in paid employment
(b) Housework/cooking
(c) Looking after children
(d) Playing computer games
(e) Exercising
(f) Watching TV/Films/Videos
(g) Travelling/commuting
(h) Volunteer/charity work

20a. How many hours did you spend with your romantic partner (if any) last week?

- (a) In person/face-to-face
(b) Talking on phone (incl. Skype)
(c) Email, texting or on-line chat

20b. How many hours did you spend with your close friends and family (excluding your partner) in the following ways last week?

- (a) In person/face-to-face
(b) Talking on phone (incl. Skype)
(c) Email, texting or on-line chat

Thank you! Please send back your completed questionnaire using the enclosed pre-paid envelope.