Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

## MAORI IDENTIFICATION AND ALCOHOL BEHAVIOUR

A thesis presented in partial fulfilment of the requirements for the degree of Master of Arts in Psychology at Massey University, Albany, New Zealand.

### ERIN EBBETT

2004

#### ABSTRACT

The impact of Maori identification on mental health and alcohol behaviour has been neglected in the psychological literature. This research attempted to investigate potential relationships between these variables and to examine drinking motivations and alcohol related opinion amongst Maori. It was initially hypothesised that strength of Maori identification would be associated with better mental health and well-being. Stronger Maori identification and better mental health were also expected to relate to lower average alcohol consumption and less frequent drinking. It was hypothesised that better mental health would be associated with greater social motivation, greater positive affect, and less negative affect after drinking. Heavier drinking was predicted to be directly related to coping and conformity motivations and inversely related to positive affect. In addition, it was anticipated that frequent drinkers would be internally motivated.

This sample contained 447 Maori aged 18 years and over. Participants were found by e-mailing Massey University students registered as Maori and by utilising a snowball technique. Respondents were required to complete demographic, Maori identification, mental health, alcohol behaviour, reasons for drinking and opinion measures either online or by mail. Non parametric methods were then used to analyse all data.

Results showed no significant relationships between Maori identification and mental health. Stronger Maori identification was significantly related to drinking less frequently but not with lower average consumption. Better mental health was found to be significantly related to lower consumption of alcohol, but not to drinking less frequently. Better mental health was also related to drinking for socially motivated reasons, increased positive emotions, and decreased negative emotions after drinking. Average consumption was not significantly related to coping and conformity motivations. Heavier consumption was related to less positive affect after drinking and more frequent drinking was related to internal motivation.

Limitations of this study included difficulties measuring these variables, a lack of comparative studies to provide reference, and a non representative Maori sample.

Recommendations for future research include studying an adolescent population, measuring smoking behaviour, and conducting a qualitative analysis. Further interventions and policies targeting cultural and societal norms will be needed for these patterns of drinking to change. These results suggest that relationships between Maori identification, mental health and alcohol behaviour are complex and worthy of further analysis.

#### ACKNOWLEDGEMENTS

I am extremely grateful to my supervisor Dave Clarke, for the enormous amount of time and support he gave me throughout the year. His guidance, patience and prompt feedback made completing my thesis a much more accomplishable task. Also, to Marlene Ngapo for her encouragement and warmth, for providing a forum to discuss my thesis and for the cultural advice she provided when needed. Thank you also to Helen Moewaka Barnes for offering feedback on the initial design of my questionnaire and to Mark Nicholas for translating my information sheet into Maori.

I would also like to thank everyone who took the time to participate in this project. I was overwhelmed by the supportive response I received to my questionnaire and without these contributions my research would not be possible. In particular, I would like to thank my whanau, above all my Nana, for completing my questionnaire and providing me with further contacts. Also thanks to Te Rau Puawai members, especially Monica Koia for supporting this project.

Finally, I would like to thank my family for the huge amount of love and support they have given me over the years. In particular, I would like to thank my partner for putting up with me through the difficult times, for supporting and inspiring me and for making this year enjoyable.

# TABLE OF CONTENTS

### PAGE

ABS	TRACT	2	ii
ACK	NOWL	LEDGEMENTS	iv
LIST	Г OF TA	ABLES	ix
LIST	r of fi	GURES	xi
CHA	PTER	ONE	
INTI	RODUC	TION	1
CHA	PTER '	TWO	
LITE	ERATUF	RE REVIEW	4
2.1	Histor	ry of Alcohol use Amongst Maori	4
	2.11 2.12	Legislation Alcohol and the Loss of Maori Land	5 7
2.2	Alcoh	nol Behaviour	7
	2.21 2.22	Drinking Patterns in New Zealand Maori Drinking Patterns	8 9
2.3	Reaso	ons for Drinking	10
	2.31 2.32 2.33 2.34 2.35	Physiological Effects Psychological Effects Drinking Motivations Social Modelling Solitary Consumption	10 12 13 15 16
2.4	Alcol	nol Policy	17
	2.41 2.42 2.43 2.44	How Policy Affects Drinking Practices Attitudes Toward Alcohol Related Policy Teenage Drinking Advertising	18 18 19 19

2.5	Demo	ographics	20
	2.51	Age	20
	2.52	Gender	21
	2.53	Marital Status	21
	2.54	Urbanisation	22
	2.55	Socio-Economic Factors	22
2.6	Cultu	ral Identity	23
	2.61	Defining Culture	24
	2.62	Maori Identity	25
	2.63	Maori Identity and Mental Health	26
	2.64	Cultural Identity and Alcohol Use	27
2.7	Menta	al Health and Alcohol Behaviour	29
2.8	Sumn	nary	30
	2.81	Rationale for the Study	30
	2.82	Hypotheses	32

### **CHAPTER THREE**

MET	HOD		34
3.1	Partic	cipants	34
3.2	Measu	ures	36
	3.21	Demographics	36
	3.22	Maori Identification	36
	3.23	Mental Health	37
	3.24	Alcohol Behaviour	38
	3.25	Reasons for Drinking	38
	3.26	Opinion	39
3.3	Proce	edure	39
	3.31	Data Analysis	40
СНА	PTER	FOUR	
RES	ULTS		42
4.1	Maor	i Identification	42

4.2	Alcohol Behaviour	42

vi

.

4.3	Reasons for Drinking	43
4.4	Opinions	44
4.5	Demographic Groups and Alcohol Behaviour	44
4.6	Alcohol Behaviour Comparisons	45
4.7	Comparison of Opinion with Previous Studies	46
4.8	Maori Identification Factor Analysis	48
4.9	Mental Health Inventory Factor Analysis	50
4.10	Reasons for Drinking Factor Analysis	52
4.11	Maori Identification, Demographic and Alcohol Behaviour Comparisons	55
4.12	Mental Health, Demographic and Alcohol Behaviour Comparisons	57
4.13	Reasons for Drinking, Demographic and Alcohol Behaviour Comparisons	59
	<ul><li>4.13.1 Drinking Motivations</li><li>4.13.2 Drinking Affect</li></ul>	59 62
4.14	Hypotheses	65
4.15	Alcohol Behaviour and Opinion	66
CHA	PTER FIVE	
DISC	USSION	68
5.1	Hypotheses	68
5.2	Maori Identification	71
5.3	Mental Health	74
5.4	Alcohol Behaviour	75
5.5	Reasons for Drinking	77
5.6	Opinion	78
5.7	Limitations of the Present Study	80

vii

5.8	Recommendations for Future Research	82
5.9	Practical Applications	83
5.10	Conclusion	84

## REFERENCES

86

### APPENDICES

Appendix A	Questionnaire	104
Appendix B	Participant Information Sheet (Mail)	116
Appendix C	Participant Information Sheet (E-mail)	119
Appendix D	Maori Identification Frequencies	121
Appendix E	Alcohol Behaviour Frequencies	125
Appendix F	Opinion Frequencies	128

## LIST OF TABLES

### PAGE

Table 1.	Comparison of Current Sample with Maori Population Aged 18 Years and Over, in 2001 Census	35
Table 2.	Total Response Percentages Recorded for Drinking Motivations	43
Table 3.	Total Response Percentages Recorded for Drinking Affect	44
Table 4.	Comparison of Percentages for Opinion on Alcohol Related Issues	47
Table 5.	Results of Principal Components Factor Analysis of Maori Identification Items and Rankings of Weights	49
Table 6.	Results of Principal Components Factor Analysis of Mental Health Index Items and Rankings of Weights	51
Table 7.	Results of Principal Components Factor Analysis with Varimax Rotation for Drinking Motivation Scales	53
Table 8.	Results of Principal Components Factor Analysis with Varimax Rotation for Drinking Affect Scales	54
Table 9.	Mann Whitney U Tests of Differences between Mean Ranks of Maori Identification (MI) Scores for Demographic Groups and Alcohol Behaviour	56

ix

Table 10.	Mann Whitney U Tests of Differences Between Mean Ranks of Mental Health Inventory (MHI) Scores for Demographic Grou and Alcohol Behaviour	58 ps
Table 11.	Mann Whitney U Tests of Differences Between Mean Ranks of External Motivation (EM) Scores for Demographic Groups and Alcohol Behaviour	60
Table 12.	Mann Whitney U Tests of Differences Between Mean Ranks of Internal Motivation (IM) Scores for Demographic Groups and Alcohol Behaviour	61
Table 13.	Mann Whitney U Tests of Differences Between Mean Ranks of Positive Affect (PA) Scores for Demographic Groups and Alcohol Behaviour	63
Table 14.	Mann Whitney U Tests of Differences Between Mean Ranks of Negative Affect (NA) Scores for Demographic Groups and Alcohol Behaviour	64
Table 15.	Spearman's Rho Correlation Coefficients for MI, MHI, EM, IM, PA, NA and Alcohol Behaviour Scores	65
Table 16.	Spearman's Rho Correlation Coefficients for Opinions and Alcohol Behaviour	67

х

# LIST OF FIGURES

#### PAGE

Figure 1. Drinking Motivation and Reinforcement Categories	14	1. Drinking Motivation and Reinforcement Categories	Figure 1.
--	----	---	-----------