

Smoking Prevalence Rates Census 2006

**Public Health Intelligence
Ministry of Health**

**District Health Board Report
South Canterbury**

Introduction

The following report presents estimates of smoking prevalence in your District Health Board from the Census 2006. These tables will be placed on PHI online www.phionline.moh.govt.nz and will be available in early 2008. Information from the Year 10 survey and data from the Quitline around usage and providers is currently available on PHI online.

PHI is also currently looking into statistical modelling techniques to provide estimates of prevalence using the NZTUS and the Census for years to come and for indicators not measured by the Census.

If you have any queries about your report, please contact:

Sharon Ponniah, Advisor (tobacco research),
Public Health Intelligence
sharon.ponniah@moh.govt.nz
(04) 460 9862.

The Census 2006

The census 2006 is the most representative and accurate data for the prevalence of smoking. Currently, this is the only data that provides representative breakdowns of smoking rates by DHB.

Notes on definitions

Two questions were asked in the Census (1996) to determine smoking status (note: these questions were not asked in the 2001 Census):

1. Do you smoke cigarettes regularly?
2. Have you ever been a regular smoker of one or more cigarettes a day?

Smoking of pipes, cigars and cigarillos, other smoked substances such as marijuana and tobacco used for chewing are not included in these definitions.

Non-response rates

The 2006 Census reported a non-response rate of 5.2%; the 1996 Census reported a non-response rate of 7.2%.

Prevalence of Smoking (Census 1996)

The prevalence of smoking reported in the 1996 Census, is as follows: Regular smokers, 23.7%; ex-smokers, 22.0%; never smoked regularly, 54.2%.

Prevalence of Smoking (Census 2006)

The prevalence of smoking reported in the 2006 Census, is as follows: Regular smokers, 20.7%; ex-smokers, 22.1%; never smoked regularly, 57.2%. Further breakdowns of the 2006 Census are presented below.

Table 1: Comparison of regular smokers, ex-smokers and never smoked regularly smokers (%) across all DHBs, 15+ years.

DHB	Regular smokers	Ex-smokers	Never smoked regularly
Auckland	16.5%	18.4%	65.1%
Bay of Plenty	22.3%	25.4%	52.3%
Canterbury	18.8%	22.8%	58.4%
Capital and Coast	17.3%	22.2%	60.5%
Counties Manukau	22.1%	17.0%	60.8%
Hawke's Bay	24.8%	24.2%	51.0%
Hutt Valley	22.9%	22.4%	54.7%
Lakes	27.2%	23.8%	49.0%
Midcentral	22.7%	22.2%	55.2%
Nelson Marlborough	19.3%	26.3%	54.4%
Northland	25.7%	25.6%	48.7%
Otago	19.4%	23.4%	57.2%
South Canterbury	21.2%	24.8%	54.0%
Southland	23.8%	23.4%	52.8%
Tairāwhiti	29.7%	22.3%	48.0%
Taranaki	22.4%	23.5%	54.1%
Waikato	22.6%	22.1%	55.3%
Wairarapa	23.5%	26.4%	50.1%
Waitemata	17.4%	21.8%	60.8%
West Coast	25.7%	24.3%	50.0%
Whanganui	26.3%	23.3%	50.4%
New Zealand	20.7%	22.1%	57.2%

The prevalence of regular smokers in South Canterbury DHB is 21.2%; this is higher than the New Zealand prevalence of 20.7%.

Regular smokers:

The definition of a *regular smoker* used for the census is someone who smokes cigarettes regularly ie. one or more cigarettes a day.

Table 2: Prevalence of regular smokers (%), by gender and age group

	Females	Males	S. Canterbury total	NZ total
15-19 years	23.0%	21.4%	22.2%	18.8%
20-24 years	40.3%	38.9%	39.6%	29.8%
25-29 years	30.4%	37.9%	34.1%	28.6%
30-39 years	28.9%	32.5%	30.6%	25.6%
40-49 years	24.4%	24.4%	24.4%	23.3%
50-59 years	18.9%	18.6%	18.8%	18.7%
60-64 years	14.6%	16.3%	15.4%	15.2%
65+ years	7.1%	8.8%	7.9%	8.0%
S. Canterbury total	20.4%	22.0%	21.2%	
NZ total	19.5%	21.9%		20.7%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

The percentage of regular smokers who are male is higher than regular smokers who are female in South Canterbury DHB. High rates of smoking are observed among 20-39 year olds.

Table 3: Prevalence of regular smokers 15+ years (%), by gender and ethnicity

	Females	Males	S. Canterbury total	NZ total
European	20.4%	22.0%	21.2%	19.4%
Maori	43.2%	38.8%	41.0%	42.2%
Pacific peoples	35.0%	34.8%	35.3%	30.3%
Asian	7.3%	23.2%	14.4%	11.1%
MELAA	20.0%	36.4%	31.8%	15.1%
Other ethnicity	16.9%	18.2%	17.6%	16.6%
S. Canterbury total	20.4%	22.0%	21.2%	
NZ total	19.5%	21.9%		20.7%

Notes: Ethnicity presented is based on grouped total response
MELAA stands for Middle Eastern, Latin American, African

Higher rates of smoking are observed among Maori (41.0%) and Pacific peoples (35.3%) in this DHB compared to other ethnicities. Consistent with national patterns of prevalence, the percentage of Maori females who regularly smoke is higher than Maori males; the percentage of Pacific males who regularly smoke is comparable to Pacific females.

Table 4: Prevalence of regular smokers (%), by age group and ethnicity

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	S.Canterbury total	NZ total
15-19 years	22.4%	36.8%	-	-	-	13.7%	22.2%	18.8%
20-24 years	39.8%	53.6%	-	-	-	30.5%	39.6%	29.8%
25-29 years	34.9%	52.4%	-	-	-	26.1%	34.1%	28.6%
30-39 years	31.0%	46.0%	50.0%	18.6%	-	27.4%	30.6%	25.6%
40-49 years	24.4%	45.3%	35.7%	13.5%	-	20.9%	24.4%	23.3%
50-59 years	19.7%	28.4%	-	-	-	14.2%	18.8%	18.7%
60-64 years	15.2%	36.0%	-	-	-	13.4%	15.4%	15.2%
65+ years	7.9%	20.0%	-	-	-	6.6%	7.9%	8.0%
S. Canterbury total	21.2%	41.0%	35.3%	14.4%	38.9%	17.6%	21.2%	
NZ total	19.4%	42.2%	30.3%	11.1%	15.1%	16.6%		20.7%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

Ethnicity presented is based on grouped total response

MELAA stands for Middle Eastern, Latin American, African

Boxes with dashes represent rates that have been suppressed due to counts less than 15

Table 5: Prevalence of regular smokers (%), by ethnicity, gender and age group

	European		Maori		Pacific peoples		Asian		MELAA		Other ethnicity		S.Cante -rbury total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	23.0%	21.7%	41.7%	32.1%	-	-	-	-	-	-	14.1%	14.3%	22.2%	18.8%
20-24 years	39.9%	39.4%	51.4%	57.6%	-	-	-	-	-	-	40.0%	27.3%	39.6%	29.8%
25-29 years	31.6%	38.7%	45.5%	67.9%	-	-	-	-	-	-	21.1%	34.0%	34.1%	28.6%
30-39 years	29.1%	33.3%	50.0%	42.9%	-	-	-	40.0%	-	-	25.6%	28.7%	30.6%	25.6%
40-49 years	24.6%	24.1%	51.5%	38.5%	-	-	-	-	-	-	19.8%	22.3%	24.4%	23.3%
50-59 years	19.7%	19.8%	35.0%	30.0%	-	-	-	-	-	-	14.9%	14.7%	18.8%	18.7%
60-64 years	14.6%	15.9%	-	-	-	-	-	-	-	-	13.0%	16.8%	15.4%	15.2%
65+ years	7.3%	8.3%	-	24.0%	-	-	-	-	-	-	7.7%	7.2%	7.9%	8.0%
S. Canter- bury total	20.4%	22.0%	43.2%	38.8%	35.0%	34.8%	7.3%	23.2%	-	-	16.9%	18.2%	21.2%	
NZ total	18.6%	20.3%	45.5%	38.5%	27.3%	33.5%	4.8%	18.1%	9.6%	20.3%	15.8%	17.4%		20.7%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

Ethnicity presented is based on grouped total response

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Ex-smokers:

An *ex-smoker* is defined as someone who used to smoke regularly, but no longer does

Table 6: Prevalence of ex-smokers (%), by gender and age group

	Females	Males	S. Canterbury total	NZ total
15-19 years	5.9%	3.5%	5.0%	4.6%
20-24 years	13.5%	11.5%	12.6%	11.3%
25-29 years	18.6%	12.6%	15.5%	16.2%
30-39 years	22.2%	18.0%	20.3%	19.1%
40-49 years	22.6%	22.2%	22.5%	22.3%
50-59 years	25.2%	32.7%	28.9%	27.6%
60-64 years	30.8%	40.0%	35.0%	32.9%
65+ years	23.8%	51.2%	36.0%	35.1%
S. Canterbury total	21.8%	28.0%	24.8%	
NZ total	20.3%	23.9%		22.1%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

The prevalence of ex-smokers in South Canterbury DHB is 24.8%, compared to the national prevalence of ex-smokers, 22.1%. Higher percentages of ex-smokers are aged 60 years and over. The percentage of male ex-smokers is higher than female ex-smokers in older age groups.

Table 7: Prevalence of ex-smokers 15 + years (%), by gender and ethnicity

	Females	Males	S. Canterbury total	NZ total
European	21.5%	28.0%	24.6%	24.5%
Maori	23.4%	22.0%	22.8%	19.1%
Pacific peoples	15.0%	13.0%	14.1%	10.8%
Asian	6.3%	13.0%	9.0%	7.2%
MELAA	20.0%	18.2%	18.2%	12.8%
Other ethnicity	25.4%	30.2%	27.9%	26.5%
S. Canterbury total	21.8%	28.0%	24.8%	
NZ total	20.3%	23.9%		22.1%

Notes: Ethnicity presented is based on grouped total response
MELAA stands for Middle Eastern, Latin American, African

Higher prevalences of ex-smokers are observed among European (24.6%) and Other ethnic groups (27.9%) in South Canterbury DHB.

Table 8: Prevalence of ex-smokers (%), by age group and ethnicity

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	S.Canterbury total	NZ total
15-19 years	5.0%	7.7%	-	-	-	5.0%	5.0%	4.6%
20-24 years	12.7%	13.0%	-	-	-	14.6%	12.6%	11.3%
25-29 years	15.8%	19.0%	-	-	-	16.2%	15.5%	16.2%
30-39 years	20.1%	24.2%	-	11.6%	-	22.7%	20.3%	19.1%
40-49 years	22.2%	24.8%	-	-	-	25.2%	22.5%	22.3%
50-59 years	28.3%	34.6%	-	-	-	30.8%	28.9%	27.6%
60-64 years	34.6%	28.0%	-	-	-	40.2%	35.0%	32.9%
65+ years	35.2%	47.5%	-	-	-	41.5%	36.0%	35.1%
S. Canterbury total	24.6%	22.8%	14.1%	9.0%	-	27.9%	24.8%	
NZ total	24.5%	19.1%	10.8%	7.2%	12.8%	26.5%		22.1%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

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Table 9: Prevalence of ex-smokers (%), by ethnicity, gender and age group

	European		Maori		Pacific peoples		Asian		MELAA		Other ethnicity		S.Cant- erbury total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	6.3%	3.6%	10.0%	-	-	-	-	-	-	-	-	-	5.0%	4.6%
20-24 years	14.0%	10.6%	22.9%	-	-	-	-	-	-	-	-	15.9%	12.6%	11.3%
25-29 years	19.0%	12.5%	21.2%	-	-	-	-	-	-	-	19.3%	9.4%	15.5%	16.2%
30-39 years	22.1%	17.3%	30.9%	14.3%	-	-	-	-	-	-	25.0%	19.7%	20.3%	19.1%
40-49 years	22.4%	22.1%	21.2%	28.8%	-	-	-	-	-	-	25.7%	24.2%	22.5%	22.3%
50-59 years	24.8%	32.1%	22.5%	42.5%	-	-	-	-	-	-	28.1%	33.1%	28.9%	27.6%
60-64 years	29.5%	39.8%	-	-	-	-	-	-	-	-	37.0%	43.2%	35.0%	32.9%
65+ years	22.8%	51.1%	35.0%	44.0%	-	-	-	-	-	-	28.7%	53.8%	36.0%	35.1%
S. Canter- bury total	21.5%	28.0%	23.4%	22.0%	15.0%	13.0%	6.3%	13.0%	-	-	25.4%	30.2%	24.8%	
NZ total	22.8%	26.5%	19.7%	18.3%	10.4%	11.3%	3.9%	11.0%	9.8%	15.6%	24.9%	27.9%		22.1%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

Ethnicity presented is based on grouped total response

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People who have never smoked regularly:

The definition for *never smoked regularly* are people who have never been regular smokers

Table 10: Prevalence of never smokers (%), by gender and age group

	Females	Males	S. Canterbury total	NZ total
15-19 years	71.0%	75.1%	72.8%	76.7%
20-24 years	46.2%	49.6%	47.9%	58.8%
25-29 years	51.0%	49.4%	50.3%	55.2%
30-39 years	48.9%	49.5%	49.1%	55.3%
40-49 years	52.9%	53.4%	53.2%	54.5%
50-59 years	55.9%	48.8%	52.4%	53.7%
60-64 years	54.6%	43.7%	49.6%	51.8%
65+ years	69.1%	40.0%	56.2%	56.9%
S. Canterbury total	57.8%	50.0%	54.0%	
NZ total	60.1%	54.1%		57.2%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

The prevalence of people who have never smoked regularly in South Canterbury DHB is 54.0%. The percentage of females who have never smoked regularly is higher compared to males. Encouragingly, higher percentages of young people aged 15 to 19 years have never smoked regularly, compared to older age groups.

Table 11: Prevalence of never smokers (%), by gender and ethnicity

	Females	Males	S. Canterbury total	NZ total
European	58.1%	50.0%	54.2%	56.1%
Maori	33.4%	39.1%	36.1%	38.7%
Pacific peoples	50.0%	52.2%	50.6%	59.0%
Asian	86.5%	63.8%	76.6%	81.7%
MELAA	60.0%	45.5%	50.0%	72.1%
Other ethnicity	57.7%	51.6%	54.5%	56.9%
S. Canterbury total	57.8%	50.0%	54.0%	
NZ total	60.1%	54.1%		57.2%

Notes: Ethnicity presented is based on grouped total response
MELAA stands for Middle Eastern, Latin American, African

Higher percentages of never smokers are observed among Asian ethnic groups. Maori have the lowest percentage of people who have never smoked regularly.

Table 12: Prevalence of never smokers (%), by age group and ethnicity

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	S.Canterbury total	NZ total
15-19 years	72.6%	55.6%	-	-	-	81.3%	72.6%	76.7%
20-24 years	47.5%	33.3%	-	-	-	54.9%	47.5%	58.8%
25-29 years	49.3%	28.6%	-	-	-	57.7%	49.3%	55.2%
30-39 years	48.9%	29.8%	50.0%	69.8%	-	49.9%	48.9%	55.3%
40-49 years	53.4%	29.9%	64.3%	86.5%	-	53.8%	53.4%	54.5%
50-59 years	52.0%	37.0%	-	-	-	55.0%	52.0%	53.7%
60-64 years	50.3%	36.0%	-	-	-	46.4%	50.3%	51.8%
65+ years	56.9%	32.5%	-	-	-	51.9%	56.9%	56.9%
S. Canterbury total	54.2%	36.1%	50.6%	76.6%	61.1%	54.5%	54.2%	
NZ total	56.1%	38.7%	59.0%	81.7%	72.1%	56.9%		57.2%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

Ethnicity presented is based on grouped total response

MELAA stands for Middle Eastern, Latin American, African

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Table 13: Prevalence of never smokers (%), by ethnicity, gender and age group

	European		Maori		Pacific peoples		Asian		MELAA		Other Ethnicity		S.Cant- erbury total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	70.7%	74.7%	48.3%	67.9%	-	-	-	-	-	-	85.9%	85.7%	72.8%	76.7%
20-24 years	46.2%	50.0%	25.7%	42.4%	-	-	-	-	-	-	60.0%	56.8%	47.9%	58.8%
25-29 years	49.3%	48.7%	33.3%	32.1%	-	-	-	-	-	-	59.6%	56.6%	50.3%	55.2%
30-39 years	48.8%	49.3%	19.1%	42.9%	-	-	-	60.0%	-	-	49.4%	51.6%	49.1%	55.3%
40-49 years	53.0%	53.8%	27.3%	32.7%	-	-	-	-	-	-	54.5%	53.5%	53.2%	54.5%
50-59 years	55.5%	48.2%	42.5%	27.5%	-	-	-	-	-	-	57.0%	52.2%	52.4%	53.7%
60-64 years	55.8%	44.3%	-	-	-	-	-	-	-	-	50.0%	40.0%	49.6%	51.8%
65+ years	69.9%	40.6%	65.0%	32.0%	-	-	-	-	-	-	63.6%	39.0%	56.2%	56.9%
S. Canter- bury total	58.1%	50.0%	33.4%	39.1%	50.0%	52.2%	86.5%	63.8%	-	-	57.7%	51.6%	54.0%	
NZ total	58.6%	53.3%	34.7%	43.2%	62.4%	55.3%	91.2%	70.9%	80.6%	64.1%	59.3%	54.7%		57.2%

Notes: South Canterbury and NZ totals refer to the population aged 15+ years.

Ethnicity presented is based on grouped total response

MELAA stands for Middle Eastern, Latin American, African

Boxes with dashes represent rates that have been suppressed due to counts less than 15