

Smoking Prevalence Rates Census 2006

**Public Health Intelligence
Ministry of Health**

**District Health Board Report
Whanganui**

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:

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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.

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 Whanganui DHB is 26.3%; 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	Whanganui total	NZ total
15-19 years	29.2%	23.7%	26.3%	18.8%
20-24 years	43.0%	41.2%	42.3%	29.8%
25-29 years	37.9%	36.8%	37.3%	28.6%
30-39 years	35.2%	35.6%	35.6%	25.6%
40-49 years	30.9%	31.0%	30.9%	23.3%
50-59 years	23.7%	24.9%	24.4%	18.7%
60-64 years	18.2%	22.5%	20.1%	15.2%
65+ years	8.7%	10.5%	9.5%	8.0%
Whanganui total	25.9%	26.7%	26.3%	
NZ total	19.5%	21.9%		20.7%

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

The percentage of regular smokers who are male is comparable to regular smokers who are female in Whanganui DHB. Higher rates of smoking are observed among 20-49 year olds.

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

	Females	Males	Whanganui total	NZ total
European	22.1%	24.3%	23.1%	19.4%
Maori	51.0%	41.4%	46.6%	42.2%
Pacific peoples	33.9%	34.1%	34.0%	30.3%
Asian	8.8%	19.7%	13.8%	11.1%
MELAA	-	-	-	15.1%
Other ethnicity	20.2%	22.4%	21.4%	16.6%
Whanganui total	25.9%	26.7%	26.3%	
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

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

Higher rates of smoking are observed among Maori (46.6%) and Pacific peoples (34.0%) 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 higher compared to Pacific females.

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

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	Whan-ganui total	NZ total
15-19 years	22.4%	41.6%	32.0%	-	-	16.3%	26.3%	18.8%
20-24 years	38.9%	57.0%	57.1%	28.6%	-	32.5%	42.3%	29.8%
25-29 years	34.3%	51.7%	47.8%	23.8%	-	32.0%	37.3%	28.6%
30-39 years	31.9%	54.2%	42.6%	16.9%	-	27.6%	35.6%	25.6%
40-49 years	27.8%	50.9%	27.5%	15.3%	-	25.4%	30.9%	23.3%
50-59 years	22.6%	41.8%	34.6%	-	-	18.2%	24.4%	18.7%
60-64 years	18.6%	32.4%	-	-	-	16.9%	20.1%	15.2%
65+ years	9.2%	19.0%	-	-	-	7.7%	9.5%	8.0%
Whan-ganui total	23.1%	46.6%	34.0%	13.8%	-	21.4%	26.3%	
NZ total	19.4%	42.2%	30.3%	11.1%	15.1%	16.6%		20.7%

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

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

	European		Maori		Pacific peoples		Asian		MELAA		Other ethnicity		Whan-ganui total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	25.6%	19.7%	46.4%	35.7%	35.7%	36.4%	-	-	-	-	17.5%	16.3%	26.3%	18.8%
20-24 years	37.9%	40.1%	60.9%	52.5%	-	50.0%	-	-	-	-	30.8%	35.7%	42.3%	29.8%
25-29 years	34.6%	33.8%	58.2%	45.1%	-	50.0%	-	-	-	-	28.3%	34.0%	37.3%	28.6%
30-39 years	31.0%	33.6%	59.3%	47.9%	38.9%	50.0%	15.6%	29.2%	-	-	23.6%	29.4%	35.6%	25.6%
40-49 years	26.6%	29.4%	56.4%	44.1%	23.8%	36.4%	-	20.8%	-	-	25.0%	26.8%	30.9%	23.3%
50-59 years	20.9%	24.1%	44.3%	38.9%	-	-	-	-	-	-	19.0%	17.5%	24.4%	18.7%
60-64 years	15.6%	21.6%	37.5%	30.9%	-	-	-	-	-	-	17.7%	17.9%	20.1%	15.2%
65+ years	8.4%	10.2%	15.5%	17.0%	-	-	-	-	-	-	6.6%	10.1%	9.5%	8.0%
Whan-ganui total	22.1%	24.3%	51.0%	41.4%	33.9%	34.1%	8.8%	19.7%	-	-	20.2%	22.4%	26.3%	
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: Whanganui and NZ totals refer to the population aged 15+ years.

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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	Whanganui total	NZ total
15-19 years	6.1%	4.9%	5.4%	4.6%
20-24 years	12.9%	8.8%	10.7%	11.3%
25-29 years	17.9%	14.3%	16.4%	16.2%
30-39 years	22.1%	17.8%	20.1%	19.1%
40-49 years	22.3%	22.1%	22.3%	22.3%
50-59 years	24.9%	29.9%	27.4%	27.6%
60-64 years	28.2%	35.4%	31.9%	32.9%
65+ years	25.2%	48.6%	35.7%	35.1%
Whanganui total	21.4%	25.4%	23.3%	
NZ total	20.3%	23.9%		22.1%

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

The prevalence of ex-smokers in Whanganui DHB is 23.3%, higher than the national prevalence of ex-smokers. Higher percentages of ex-smokers are aged 50 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	Whanganui total	NZ total
European	22.0%	26.7%	24.2%	24.5%
Maori	19.2%	17.9%	18.6%	19.1%
Pacific peoples	13.0%	17.1%	14.9%	10.8%
Asian	8.1%	12.6%	10.2%	7.2%
MELAA	-	-	-	12.8%
Other ethnicity	23.9%	27.4%	25.8%	26.5%
Whanganui total	21.4%	25.4%	23.3%	
NZ total	20.3%	23.9%		22.1%

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Higher prevalences of ex-smokers are observed among European (24.2%) and Other ethnic groups (25.8%) in Whanganui DHB.

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

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	Whan-ganui total	NZ total
15-19 years	5.2%	6.5%	-	-	-	8.2%	5.4%	4.6%
20-24 years	11.6%	9.1%	-	-	-	13.3%	10.7%	11.3%
25-29 years	17.3%	15.6%	-	-	-	15.5%	16.4%	16.2%
30-39 years	21.4%	17.2%	10.6%	8.5%	-	22.1%	20.1%	19.1%
40-49 years	22.4%	23.1%	19.6%	10.2%	-	24.1%	22.3%	22.3%
50-59 years	27.1%	27.4%	19.2%	-	-	31.1%	27.4%	27.6%
60-64 years	32.0%	33.3%	-	-	-	33.9%	31.9%	32.9%
65+ years	35.7%	33.3%	-	-	-	38.5%	35.7%	35.1%
Whan-ganui total	24.2%	18.6%	14.9%	10.2%	-	25.8%	23.3%	
NZ total	24.5%	19.1%	10.8%	7.2%	12.8%	26.5%		22.1%

Notes: Whanganui 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		Whan-ganui total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	5.0%	4.9%	6.9%	5.8%	-	-	-	-	-	-	-	-	5.4%	4.6%
20-24 years	13.3%	9.3%	12.4%	5.8%	-	-	-	-	-	-	20.5%	-	10.7%	11.3%
25-29 years	19.0%	15.6%	19.9%	12.3%	-	-	-	-	-	-	18.9%	13.2%	16.4%	16.2%
30-39 years	23.8%	18.3%	18.3%	15.8%	-	-	-	-	-	-	25.0%	18.1%	20.1%	19.1%
40-49 years	23.0%	21.5%	22.8%	23.2%	23.8%	-	-	-	-	-	21.8%	24.9%	22.3%	22.3%
50-59 years	25.0%	29.1%	27.6%	26.9%	-	-	-	50.0%	-	-	25.8%	35.5%	27.4%	27.6%
60-64 years	28.6%	35.6%	32.1%	32.7%	-	-	-	-	-	-	25.8%	40.3%	31.9%	32.9%
65+ years	24.9%	49.3%	31.0%	40.9%	-	-	-	-	-	-	26.5%	48.8%	35.7%	35.1%
Whan-ganui total	22.0%	26.7%	19.2%	17.9%	13.0%	17.1%	8.1%	12.6%	-	-	23.9%	27.4%	23.3%	
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: Whanganui and NZ totals refer to the population aged 15+ years.

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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	Whanganui total	NZ total
15-19 years	64.7%	71.4%	68.3%	76.7%
20-24 years	44.1%	50.0%	46.9%	58.8%
25-29 years	44.2%	48.9%	46.4%	55.2%
30-39 years	42.7%	46.6%	44.4%	55.3%
40-49 years	46.9%	46.9%	46.8%	54.5%
50-59 years	51.5%	45.1%	48.3%	53.7%
60-64 years	53.7%	42.1%	48.0%	51.8%
65+ years	66.1%	40.9%	54.8%	56.9%
Whanganui total	52.7%	47.9%	50.4%	
NZ total	60.1%	54.1%		57.2%

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

The prevalence of people who have never smoked regularly in Whanganui DHB is 50.4%. 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	Whanganui total	NZ total
European	55.9%	49.0%	52.6%	56.1%
Maori	29.8%	40.7%	34.8%	38.7%
Pacific peoples	53.0%	48.8%	51.0%	59.0%
Asian	83.1%	67.7%	76.0%	81.7%
MELAA	-	-	-	72.1%
Other ethnicity	55.9%	50.1%	52.8%	56.9%
Whanganui total	52.7%	47.9%	50.4%	
NZ total	60.1%	54.1%		57.2%

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Higher percentages of never smokers are observed among Asian and MELAA 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	Whan-ganui total	NZ total
15-19 years	72.4%	51.9%	68.0%	-	-	75.5%	68.3%	76.7%
20-24 years	49.5%	33.9%	42.9%	71.4%	-	54.2%	46.9%	58.8%
25-29 years	48.4%	32.7%	52.2%	76.2%	-	52.4%	46.4%	55.2%
30-39 years	46.7%	28.6%	46.8%	74.6%	-	50.3%	44.4%	55.3%
40-49 years	49.8%	26.0%	52.9%	74.6%	-	50.5%	46.8%	54.5%
50-59 years	50.3%	30.8%	46.2%	-	-	50.7%	48.3%	53.7%
60-64 years	49.4%	34.2%	-	-	-	49.2%	48.0%	51.8%
65+ years	55.1%	47.6%	-	-	-	53.8%	54.8%	56.9%
Whan-ganui total	52.6%	34.8%	51.0%	76.0%	-	52.8%	50.4%	
NZ total	56.1%	38.7%	59.0%	81.7%	72.1%	56.9%		57.2%

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

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

	European		Maori		Pacific peoples		Asian		MELAA		Other Ethnicity		Whan-ganui total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	69.4%	75.3%	46.8%	58.5%	64.3%	63.6%	-	-	-	-	82.5%	83.7%	68.3%	76.7%
20-24 years	48.8%	50.6%	26.7%	41.7%	-	50.0%	-	-	-	-	48.7%	64.3%	46.9%	58.8%
25-29 years	46.3%	50.5%	21.9%	42.6%	-	50.0%	-	-	-	-	52.8%	52.8%	46.4%	55.2%
30-39 years	45.2%	48.1%	22.4%	36.2%	61.1%	50.0%	84.4%	70.8%	-	-	51.4%	52.5%	44.4%	55.3%
40-49 years	50.3%	49.1%	20.8%	32.7%	52.4%	63.6%	-	79.2%	-	-	53.2%	48.4%	46.8%	54.5%
50-59 years	54.1%	46.8%	28.1%	34.1%	-	-	-	50.0%	-	-	55.2%	47.0%	48.3%	53.7%
60-64 years	55.7%	42.9%	30.4%	36.4%	-	-	-	-	-	-	56.5%	41.8%	48.0%	51.8%
65+ years	66.7%	40.5%	53.4%	42.0%	-	-	-	-	-	-	66.9%	41.1%	54.8%	56.9%
Whan-ganui total	55.9%	49.0%	29.8%	40.7%	53.0%	48.8%	83.1%	67.7%	-	-	55.9%	50.1%	50.4%	
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: Whanganui and NZ totals refer to the population aged 15+ years.

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