

# **Smoking Prevalence Rates Census 2006**

**Public Health Intelligence  
Ministry of Health**

**District Health Board Report  
Wairarapa**

## **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](http://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](mailto: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.**

<b>DHB</b>	<b>Regular smokers</b>	<b>Ex-smokers</b>	<b>Never smoked regularly</b>
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 Wairarapa DHB is 23.5%; 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	Wairarapa total	NZ total
15-19 years	25.4%	22.7%	23.8%	18.8%
20-24 years	40.3%	38.0%	39.1%	29.8%
25-29 years	36.1%	36.9%	36.2%	28.6%
30-39 years	32.0%	33.2%	32.6%	25.6%
40-49 years	28.2%	29.2%	28.9%	23.3%
50-59 years	20.9%	21.6%	21.3%	18.7%
60-64 years	14.7%	16.9%	15.9%	15.2%
65+ years	8.3%	9.9%	9.0%	8.0%
Wairarapa total	23.0%	24.0%	23.5%	
NZ total	19.5%	21.9%		20.7%

Notes: Wairarapa 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 Wairarapa 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	Wairarapa total	NZ total
European	22.0%	23.5%	22.7%	19.4%
Maori	47.4%	38.4%	43.2%	42.2%
Pacific peoples	30.0%	34.6%	32.4%	30.3%
Asian	10.5%	22.2%	15.2%	11.1%
MELAA	-	-	-	15.1%
Other ethnicity	17.4%	17.6%	17.5%	16.6%
Wairarapa total	23.0%	24.0%	23.5%	
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 (43.2%) and Pacific peoples (32.4%) 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	Wairarapa total	NZ total
15-19 years	22.5%	38.1%	32.0%	-	-	12.2%	23.8%	18.8%
20-24 years	37.8%	47.2%	58.3%	-	-	34.3%	39.1%	29.8%
25-29 years	36.1%	53.8%	43.8%	-	-	28.3%	36.2%	28.6%
30-39 years	32.1%	53.9%	30.6%	-	-	25.1%	32.6%	25.6%
40-49 years	27.9%	48.8%	37.0%	15.6%	-	23.2%	28.9%	23.3%
50-59 years	21.3%	36.2%	-	-	-	15.4%	21.3%	18.7%
60-64 years	16.4%	26.8%	-	-	-	7.6%	15.9%	15.2%
65+ years	8.8%	18.8%	-	-	-	6.2%	9.0%	8.0%
Wairarapa total	22.7%	43.2%	32.4%	15.2%	-	17.5%	23.5%	
NZ total	19.4%	42.2%	30.3%	11.1%	15.1%	16.6%		20.7%

Notes: Wairarapa 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		Wairarapa total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	23.6%	21.3%	44.9%	31.7%	-	-	-	-	-	-	-	15.0%	23.8%	18.8%
20-24 years	38.3%	37.2%	52.6%	44.0%	-	-	-	-	-	-	35.3%	33.3%	39.1%	29.8%
25-29 years	34.7%	36.7%	58.9%	44.0%	-	-	-	-	-	-	19.2%	29.6%	36.2%	28.6%
30-39 years	30.8%	33.3%	57.9%	46.9%	46.7%	38.5%	-	-	-	-	25.0%	27.6%	32.6%	25.6%
40-49 years	28.0%	28.0%	49.2%	45.3%	-	61.5%	-	41.7%	-	-	19.5%	23.4%	28.9%	23.3%
50-59 years	20.1%	22.6%	37.1%	33.8%	-	-	-	-	-	-	19.0%	11.6%	21.3%	18.7%
60-64 years	14.5%	18.0%	31.6%	26.3%	-	-	-	-	-	-	11.1%	7.6%	15.9%	15.2%
65+ years	7.8%	9.4%	27.3%	-	-	-	-	-	-	-	5.0%	11.7%	9.0%	8.0%
Wairarapa total	22.0%	23.5%	47.4%	38.4%	30.0%	34.6%	10.5%	22.2%	-	-	17.4%	17.6%	23.5%	
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: Wairarapa 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

## 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	Wairarapa total	NZ total
15-19 years	5.7%	4.3%	5.1%	4.6%
20-24 years	17.7%	12.5%	14.8%	11.3%
25-29 years	18.4%	15.7%	17.2%	16.2%
30-39 years	23.7%	18.5%	21.3%	19.1%
40-49 years	25.6%	26.1%	25.8%	22.3%
50-59 years	27.3%	34.6%	31.0%	27.6%
60-64 years	30.5%	41.7%	35.9%	32.9%
65+ years	28.8%	48.7%	37.6%	35.1%
Wairarapa total	24.2%	28.8%	26.4%	
NZ total	20.3%	23.9%		22.1%

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

The prevalence of ex-smokers in Wairarapa DHB is 26.4%, 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	Wairarapa total	NZ total
European	24.6%	28.9%	26.6%	24.5%
Maori	21.5%	22.3%	21.8%	19.1%
Pacific peoples	12.9%	16.7%	15.5%	10.8%
Asian	7.9%	13.0%	10.6%	7.2%
MELAA	-	-	-	12.8%
Other ethnicity	27.0%	33.3%	30.3%	26.5%
Wairarapa total	24.2%	28.8%	26.4%	
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  
 Boxes with dashes represent rates that have been suppressed due to counts less than 15

Higher prevalences of ex-smokers are observed among European (26.6%), Other (30.3%), and European (26.6%) ethnic groups and in Wairarapa DHB.

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

	European	Maori	Pacific peoples	Asian	MELAA	Other ethnicity	Wairarapa total	NZ total
15-19 years	4.9%	6.3%	-	-	-	6.8%	5.1%	4.6%
20-24 years	15.9%	15.7%	-	-	-	-	14.8%	11.3%
25-29 years	17.8%	17.9%	-	-	-	18.9%	17.2%	16.2%
30-39 years	21.5%	18.0%	19.4%	-	-	28.3%	21.3%	19.1%
40-49 years	26.3%	24.9%	22.2%	-	-	27.7%	25.8%	22.3%
50-59 years	30.6%	33.3%	35.7%	-	-	33.0%	31.0%	27.6%
60-64 years	35.9%	34.1%	-	-	-	41.5%	35.9%	32.9%
65+ years	37.1%	40.0%	-	-	-	43.6%	37.6%	35.1%
Wairarapa total	26.6%	21.8%	15.5%	10.6%	-	30.3%	26.4%	
NZ total	24.5%	19.1%	10.8%	7.2%	12.8%	26.5%		22.1%

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

	European		Maori		Pacific peoples		Asian		MELAA		Other ethnicity		Wairarapa total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	6.1%	3.4%	7.9%	-	-	-	-	-	-	-	-	-	5.1%	4.6%
20-24 years	19.1%	13.1%	17.5%	10.0%	-	-	-	-	-	-	-	-	14.8%	11.3%
25-29 years	19.2%	16.7%	17.9%	20.0%	-	-	-	-	-	-	19.2%	22.2%	17.2%	16.2%
30-39 years	24.5%	18.1%	21.1%	16.7%	-	-	-	-	-	-	28.6%	26.7%	21.3%	19.1%
40-49 years	26.4%	26.3%	27.5%	25.3%	-	-	-	-	-	-	30.1%	27.7%	25.8%	22.3%
50-59 years	27.8%	33.2%	31.4%	36.8%	-	-	-	-	-	-	25.5%	40.8%	31.0%	27.6%
60-64 years	30.5%	41.2%	31.6%	36.8%	-	-	-	-	-	-	31.5%	45.5%	35.9%	32.9%
65+ years	28.1%	48.6%	29.5%	58.3%	-	-	-	-	-	-	36.6%	47.9%	37.6%	35.1%
Wairarapa total	24.6%	28.9%	21.5%	22.3%	12.9%	16.7%	7.9%	13.0%	-	-	27.0%	33.3%	26.4%	
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: Wairarapa 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

## 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	Wairarapa total	NZ total
15-19 years	68.9%	72.9%	71.1%	76.7%
20-24 years	42.0%	49.4%	46.1%	58.8%
25-29 years	45.5%	47.5%	46.6%	55.2%
30-39 years	44.4%	48.3%	46.2%	55.3%
40-49 years	46.2%	44.8%	45.3%	54.5%
50-59 years	51.8%	43.8%	47.8%	53.7%
60-64 years	54.9%	41.4%	48.3%	51.8%
65+ years	62.9%	41.4%	53.3%	56.9%
Wairarapa total	52.8%	47.2%	50.1%	
NZ total	60.1%	54.1%		57.2%

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

The prevalence of people who have never smoked regularly in Wairarapa DHB is 50.1%. 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	Wairarapa total	NZ total
European	53.4%	47.7%	50.7%	56.1%
Maori	31.1%	39.2%	34.9%	38.7%
Pacific peoples	57.1%	48.7%	52.0%	59.0%
Asian	81.6%	64.8%	74.2%	81.7%
MELAA	-	-	-	72.1%
Other ethnicity	55.7%	49.0%	52.2%	56.9%
Wairarapa total	52.8%	47.2%	50.1%	
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

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

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	Wairarapa total	NZ total
15-19 years	72.6%	55.7%	68.0%	-	-	81.1%	71.1%	76.7%
20-24 years	46.4%	37.0%	41.7%	-	-	65.7%	46.1%	58.8%
25-29 years	46.1%	28.3%	56.3%	-	-	52.8%	46.6%	55.2%
30-39 years	46.4%	28.2%	50.0%	-	-	46.5%	46.2%	55.3%
40-49 years	45.8%	26.3%	40.7%	84.4%	-	49.1%	45.3%	54.5%
50-59 years	48.1%	30.4%	64.3%	-	-	51.6%	47.8%	53.7%
60-64 years	47.7%	39.0%	-	-	-	50.8%	48.3%	51.8%
65+ years	54.1%	41.3%	-	-	-	50.3%	53.3%	56.9%
Wairarapa total	50.7%	34.9%	52.0%	74.2%	-	52.2%	50.1%	
NZ total	56.1%	38.7%	59.0%	81.7%	72.1%	56.9%		57.2%

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

	European		Maori		Pacific peoples		Asian		MELAA		Other Ethnicity		Wairarapa total	NZ total
	females	males	females	males	females	males	females	males	females	males	females	males		
15-19 years	70.3%	75.3%	47.2%	68.3%	-	-	-	-	-	-	-	85.0%	71.1%	76.7%
20-24 years	42.6%	49.7%	29.8%	46.0%	-	-	-	-	-	-	64.7%	66.7%	46.1%	58.8%
25-29 years	46.1%	46.7%	23.2%	36.0%	-	-	-	-	-	-	61.5%	48.1%	46.6%	55.2%
30-39 years	44.6%	48.5%	21.1%	36.5%	53.3%	61.5%	-	-	-	-	46.4%	45.7%	46.2%	55.3%
40-49 years	45.6%	45.7%	23.3%	29.5%	-	38.5%	-	58.3%	-	-	50.4%	48.9%	45.3%	54.5%
50-59 years	52.1%	44.2%	31.4%	29.4%	-	-	-	-	-	-	55.5%	47.6%	47.8%	53.7%
60-64 years	55.0%	40.8%	36.8%	36.8%	-	-	-	-	-	-	57.4%	47.0%	48.3%	51.8%
65+ years	64.1%	42.1%	43.2%	41.7%	-	-	-	-	-	-	58.4%	40.4%	53.3%	56.9%
Wairarapa total	53.4%	47.7%	31.1%	39.2%	57.1%	48.7%	81.6%	64.8%	-	-	55.7%	49.0%	50.1%	
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: Wairarapa 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