

Analysis of High Blood Pressure Data Collected by the 1996/97 New Zealand Health Survey

Table 1: High blood pressure, by sociodemographic variables: percent (standard errors)

	Unadj	Adj*	Pop Est
Total	11.7 (0.5)		331462
Sex:			
Male	10.9 (0.7)	11.3 (0.7)	149719
Female	12.5 (0.6)	12.1 (0.6)	181743
Age:			
15-24 yr	0.4 (0.2)	0.4 (0.2)	2020
25-44 yr	2.3 (0.3)	2.3 (0.3)	26685
45-64 yr	18.2 (1.1)	18.2 (1.1)	136797
65-74 yr	38.5 (2.1)	38.4 (2.2)	93958
75 yr +	45.0 (2.7)	44.4 (2.7)	72002
Ethnicity			
European/ Pākehā	12.4 (0.5)	11.0 (0.5)	281123
Māori	11.2 (1.2)	16.6 (1.5)	31245
Pacific	8.0 (1.2)	14.1 (2.1)	10643
Other	5.8 (1.8)	15.9 (4.2)	8450
Family income			
0-\$20,000	25.2 (1.2)	15.2 (1.1)	126788
\$20,001-\$30,000	17.7 (1.5)	12.6 (1.3)	67089
\$30,001-50,000	8.8 (1.1)	11.1 (1.4)	47109
\$50,001+	5.1 (0.7)	9.2 (1.9)	44953
NZDep96 score			
1 (least deprived)	8.8 (0.9)	8.9 (0.9)	71546
2	13.1 (1.1)	12.4 (1.1)	91687
3	12.5 (0.9)	12.4 (0.9)	79091
4 (most deprived)	13.1 (0.8)	14.1 (0.8)	89138

Table 1 (cont)

	EVER TAKEN PILLS FOR HIGH BLOOD PRESSURE		
	UnAdj	Adj*	Pop Est
Smoking status			
Current smoker	7.5 (0.7)	10.7 (1.0)	52744
Ex smoker	18.0 (1.0)	12.5 (0.9)	126768
Never smoked	10.7 (0.7)	11.3 (0.7)	151387
Level of physical activity per week			
0 mins	13.7 (1.3)	12.6 (1.2)	59005
1-149 mins	10.7 (0.9)	11.6 (1.0)	72111
150-299 mins	10.1 (0.9)	11.5 (1.1)	54851
300 + mins	12.4 (0.7)	11.6 (0.7)	145494
Education			
No qualification	17.8 (0.9)	13.4 (0.8)	143514
School or post school only	11.1 (0.8)	12.6 (1.0)	112108
School and post school	7.5 (0.7)	9.0 (0.8)	73950

*Adjusted rates are adjusted for age and sex, except when they are age specific in which case they are adjusted only for sex, or when they are sex specific in which case they are adjusted only for age.

Table 2: High blood pressure, by sociodemographic variables, for males: percent (standard errors)

MALES	Unadj	Adj*	Pop Est
Total	10.9 (0.7)	11.3 (0.7)	149719
Age:			
15-24 yr	0.3 (0.3)		729
25-44 yr	2.1 (0.5)		11772
45-64 yr	18.7 (1.7)		69798
65-74 yr	38.1 (3.3)		44480
75 yr +	36.7 (4.1)		22938
Ethnicity			
European/ Pākehā	11.3 (0.8)	10.6 (0.8)	125164
Māori	11.4 (2.1)	15.4 (2.5)	15070
Pacific	7.4 (1.8)	13.9 (3.6)	4869
Other	6.4 (2.8)	18.6 (7.0)	4615
Family income			
0-\$20,000	22.6 (2.0)	14.7 (1.7)	46578
\$20,001-\$30,000	18.1 (2.4)	12.1 (2.1)	31398
\$30,001-50,000	10.1 (1.8)	11.7 (2.1)	27215
\$50,001+	5.4 (0.9)	8.9 (2.1)	25670
NZDep96 score			
1 (least deprived)	7.2 (1.1)	7.8 (1.1)	29038
2	13.9 (1.8)	13.4 (1.8)	45454
3	11.0 (1.5)	11.8 (1.6)	33687
4 (most deprived)	12.4 (1.2)	13.5 (1.3)	41540

Table 2 (cont)

MALES	EVER TAKEN PILLS FOR HIGH BLOOD PRESSURE		
	UnAdj	Adj*	Pop Est
Smoking status			
Current smoker	6.8 (1.1)	8.9 (1.5)	24684
Ex smoker	21.4 (1.7)	13.2 (1.4)	78051
Never smoked	7.3 (0.9)	10.4 (1.2)	46809
Level of physical activity per week			
0 mins	9.8 (1.4)	10.0 (1.4)	22893
1-149 mins	9.8 (1.4)	10.2 (1.4)	28786
150-299 mins	10.4 (1.7)	11.9 (1.9)	24268
300 + mins	12.1 (1.2)	12.0 (1.2)	73772
Education			
No qualification	15.1 (1.5)	12.8 (1.3)	54460
School or post school only	10.4 (1.1)	11.7 (1.6)	53526
School and post school	8.2 (1.1)	9.5 (1.2)	40655

*Adjusted rates are adjusted for age, except where they are age specific.

**Table 3: High blood pressure by sociodemographic variables, for females:
percent (standard errors)**

FEMALES	Unadj	Adj*	Pop Est
Total	12.5 (0.6)	12.1 (0.6)	181743
Age:			
15-24 yr	0.5 (0.2)		1290
25-44 yr	2.5 (0.4)		14913
45-64 yr	17.8 (1.5)		66999
65-74 yr	38.7 (2.8)		49478
75 yr +	50.3 (3.3)		49064
Ethnicity			
European/ Pākehā	13.4 (0.7)	11.4 (0.6)	155959
Māori	11.0 (1.3)	17.6 (2.0)	16175
Pacific	8.7 (1.6)	14.4 (2.5)	5774
Other	5.2 (2.4)	13.3 (4.7)	3835
Family income			
0-\$20,000	27.0 (1.5)	15.6 (1.2)	80210
\$20,001-\$30,000	17.4 (1.8)	13.1 (1.5)	35690
\$30,001-50,000	7.5 (1.2)	10.5 (1.8)	19894
\$50,001+	4.9 (1.1)	9.5 (3.1)	19283
NZDep96 score			
1 (least deprived)	10.5 (1.3)	9.9 (1.2)	42509
2	12.4 (1.3)	11.6 (1.2)	46233
3	13.8 (1.2)	12.9 (1.2)	45404
4 (most deprived)	13.9 (1.0)	14.6 (1.1)	47597

Table 3 (cont)

FEMALES	EVER TAKEN PILLS FOR HIGH BLOOD PRESSURE		
	UnAdj	Adj*	Pop Est
Smoking status			
Current smoker	8.3 (0.9)	12.5 (1.4)	28059
Ex smoker	14.4 (1.3)	11.9 (1.1)	48716
Never smoked	13.6 (0.9)	12.1 (0.9)	104578
Level of physical activity per week			
0 mins	18.4 (2.1)	15.0 (1.9)	36112
1-149 mins	11.4 (1.2)	12.9 (1.3)	43324
150-299 mins	9.9 (1.1)	11.1 (1.2)	30584
300 + mins	12.7 (0.9)	11.1 (0.9)	71723
Education			
No qualification	20.0 (1.3)	14.0 (1.0)	89054
School or post school only	11.7 (1.1)	13.5 (1.2)	58582
School and post school	6.7 (0.7)	8.6 (0.9)	33295

*Adjusted rates are adjusted for age, except where they are age specific.

Table 4: Proportion of people who have previously taken medications for high blood pressure but are currently no longer doing so, by sex, age and ethnicity: percent (standard errors)

	Unadj	Adj*	Pop Est
Total	19.1 (1.6)		62267
Sex:			
Male	19.8 (2.6)	19.5 (2.6)	28816
Female	18.5 (2.0)	18.9 (2.1)	33452
Age:			
15-24yr	100.0 (0.0)	100.0 (0.0)	2020
25-44 yr	52.4 (6.8)	52.4 (6.8)	12068
45-64 yr	20.8 (2.8)	20.7 (2.8)	28080
65-74 yr	13.4 (2.3)	13.5 (2.4)	12550
75 yr +	10.5 (2.5)	10.5 (2.5)	7549
Ethnicity			
European/ Pākehā	18.8 (1.8)	19.6 (1.9)	52252
Māori	20.3 (4.3)	16.9 (3.5)	6044
Pacific	30.7 (7.2)	27.6 (7.5)	3269
Other	8.8 (7.7)	10.6 (9.7)	703
Family income			
0-\$20,000	15.0 (1.9)	20.3 (3.1)	18868
\$20,001-\$30,000	22.4 (4.4)	25.8 (4.7)	14479
\$30,001-50,000	16.4 (3.7)	16.6 (4.0)	7593
\$50,001+	18.9 (4.8)	13.5 (4.7)	8348

Table 4 (cont)

NZDep96 score			
1 (least deprived)	18.1 (3.9)	17.3 (3.9)	12853
2	19.4 (3.5)	19.5 (3.6)	17513
3	21.7 (3.2)	22.2 (3.4)	16603
4 (most deprived)	17.4 (2.5)	16.9 (2.5)	15298
Education			
no qualification	17.8 (2.2)	19.7 (2.4)	25225
school or post school only	18.1 (2.6)	17.3 (3.0)	19976
school and post school	23.5 (4.3)	20.9 (4.0)	16866

***Adjusted rates are adjusted for age and sex, except when they are age specific in which case they are adjusted only for sex, or when they are sex specific in which case they are adjusted only for age.**