

Hospitalisation from fractures in New Zealand octogenarians: LiLACS NZ

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Online Resource 2

Full Models for Cox's Proportional Hazard Ratio Survival Analyses

Supplementary Table 2 Full Models for Cox's Proportional Hazard Ratio Survival Analyses

	Hazard ratio (95% confidence interval)	p
All Māori	N = 316	
Sex (M v F)	1.44 (0.62, 3.32)	0.39
Age	1.04 (0.89, 1.20)	0.61
High deprivation (deciles 8 – 10)	0.52 (0.23, 1.14)	0.10
Education		0.36
post-secondary	0.81 (0.24, 2.38)	
secondary	0.51 (0.21, 1.24)	
basic (none/primary)	Ref	
Residential care (Y v N)	3.30 (0.73, 12.44)	0.12
Hospitalised in the last 12 months	1.15 (0.49, 2.58)	0.75
Smoking status		0.07
current	2.67 (0.89, 7.35)	
past	0.62 (0.25, 1.48)	
never	Ref	
Self-reported health		0.0017
poor	19.92 (1.87, 495.65)	
fair	2.43 (0.36, 48.43)	
good	2.67 (0.45, 51.38)	
very good	5.73 (1.07, 107.06)	
excellent	Ref	
Depressive symptoms mild to severe versus none	1.15 (0.39, 2.96)	0.82
Eyesight problems	0.59 (0.16, 1.72)	0.38
Hearing problems	0.78 (0.31, 1.79)	0.60
Functional status	0.90 (0.79, 1.05)	0.14
Falls (last 12m)		0.18
>3	2.88 (0.52, 12.33)	
2 or 3	1.64 (0.49, 4.60)	
1	3.03 (1.06, 7.97)	
None	Ref	
	Hazard ratio (95% confidence interval)	p
All Non-Māori	N = 422	
Sex (M v F)	0.62 (0.37, 1.04)	0.08
Age	0.93 (0.60, 1.46)	0.77
High deprivation (deciles 8 – 10)	1.07 (0.65, 1.76)	0.78
Education		0.32
post-secondary	0.85 (0.37, 1.96)	
secondary	1.34 (0.72, 2.76)	
basic (none/primary)		
Residential care (Y v N)	1.23 (0.26, 4.98)	0.78
Hospitalised in the last 12 months	1.14 (0.69, 1.87)	0.63
Smoking status		0.94

current	1.26 (0.29, 3.76)	
past	1.04 (0.61, 1.77)	
never	Ref	
Self-reported health		0.12
poor	3.07 (0.47, 25.03)	
fair	4.58 (1.27, 29.37)	
good	2.16 (0.62, 13.68)	
very good	2.95 (0.86, 18.51)	
excellent	Ref	
Depressive symptoms mild to severe versus none	0.93 (0.43, 1.80)	0.83
Eyesight problems	1.30 (0.72, 2.25)	0.39
Hearing problems	1.25 (0.72, 2.11)	0.42
Functional status	0.93 (0.78, 1.12)	0.45
Falls (last 12m)		0.24
>3	1.97 (0.83, 4.26)	
2 or 3	1.44 (0.69, 2.80)	
1	1.68 (0.89, 3.05)	
None	Ref	
Hazard ratio (95% confidence interval)		p
All Men		
N = 343		
Ethnicity (Māori vs non-Māori)	0.86 (0.41, 1.96)	0.71
Age	1.06 (0.87, 1.28)	0.58
High deprivation (deciles 8 – 10)	0.51 (0.24, 1.03)	0.08
Education		0.96
post-secondary	1.03 (0.38, 2.70)	
secondary	0.91 (0.43, 2.04)	
basic (none/primary)		
Residential care (Y v N)	1.23 (0.17, 5.78)	0.84
Hospitalised in the last 12 months	1.08 (0.53, 2.13)	0.83
Smoking status		0.16
current	2.94 (0.90, 8.26)	
past	0.93 (0.47, 1.86)	
never	Ref	
Self-reported health		0.51
poor	1.15 (0.04, 35.39)	
fair	3.31 (0.55, 63.58)	
good	3.26 (0.63, 59.91)	
very good	4.56 (0.91, 83.08)	
excellent	Ref	
Depressive symptoms mild to severe versus none	1.52 (0.57, 3.53)	0.37
Eyesight problems	1.23 (0.54, 2.57)	0.61
Hearing problems	1.10 (0.56, 2.11)	0.76
Functional status	0.91 (0.78, 1.09)	0.28
Falls (last 12m)		0.0057
>3	6.08 (1.79, 17.90)	

2 or 3	1.10 (0.25, 3.36)	
1	2.70 (1.22, 5.79)	
None	Ref	
	Hazard ratio (95% confidence interval)	p
All Women	N = 395	
Ethnicity (Māori vs non-Māori)	2.15 (1.09, 4.62)	0.06
Age	1.09 (0.90, 1.30)	0.35
High deprivation (deciles 8 – 10)	1.11 (0.64, 1.92)	0.73
Education		0.52
post-secondary	0.76 (0.31, 1.86)	
secondary	1.15 (0.59, 2.43)	
basic (none/primary)	Ref	
Residential care (Y v N)	2.34 (0.61, 8.42)	0.28
Hospitalised in the last 12 months	1.12 (0.64, 1.93)	0.70
Smoking status		0.60
current	1.75 (0.51, 4.65)	
past	0.97 (0.53, 1.70)	
never	Ref	
Self-reported health		0.08
poor	7.56 (1.45, 57.94)	
fair	4.07 (1.10, 26.46)	
good	1.86 (0.51, 11.93)	
very good	2.72 (0.79, 17.14)	
excellent	Ref	
Depressive symptoms mild to severe versus none	0.86 (0.39, 1.75)	0.73
Eyesight problems	1.00 (0.50, 1.84)	0.99
Hearing problems	1.15 (0.59, 2.11)	0.69
Functional status	0.96 (0.82, 1.15)	0.73
Falls (last 12m)		0.49
>3	1.31 (0.47, 3.12)	
2 or 3	1.65 (0.81, 3.17)	
1	1.33 (0.63, 2.65)	
None	Ref	

The following independent variables were included in each model: gender (for ethnicity models) ethnicity (for gender models), age, high deprivation (decile 8-10 versus other), education category, residential care, hospitalised in last 12 months, smoking status, self-reported health, depressive symptoms, eyesight problems, hearing problems, functional status, prior falls (none reference).