

Appendix 3: Association of demographic and clinical factors with anxiety amongst community dwelling patients with heart failure using logistic regression modelling (complete cases, n=167)

	Univariable	P*	Multivariable	P*
Demographic and clinical variables	OR (95%CI)		OR (95%CI)	
Age:	($\chi^2=8.26$, 3df, p= 0.041) ‡		($\chi^2=5.74$, 3df, p= 0.13) ‡	
20-50 (ref)	1.00 (-)		1.00 (-)	
51-60	0.77 (0.31-1.91)	0.57	1.07 (0.22-5.15)	0.93
61-70	0.77 (0.30-1.93)	0.57	0.80 (0.16-4.15)	0.79
71-100	0.33 (0.13-0.82)	0.017	0.16 (0.02-1.22)	0.077
Gender:				
Male (ref)	1.00 (-)		1.00 (-)	
Female	1.65 (0.92-2.96)	0.096	1.07 (0.39-2.96)	0.89
Marital status:				
Single/widowed (ref)	1.00 (-)		1.00 (-)	
Married/permanent relationship	1.38 (0.62-3.06)	0.43	1.44 (0.47-4.35)	0.52
Employment status:	($\chi^2=2.12$, 2df, p=0.35)		($\chi^2=2.28$, 2df, p=0.32)	
Employed (ref)	1.00 (-)		1.00 (-)	
Unemployed	1.01 (0.49-2.08)	0.99	0.73 (0.22-2.51)	0.62
Retired	0.64 (0.31-1.35)	0.24	2.22 (0.46-10.77)	0.32
Ethnic groups:				
White (ref)	1.00 (-)		1.00 (-)	
Other ethnicity	1.47 (0.79-2.74)	0.22	2.28 (2.00-0.32)	0.30

BMI:	($\chi^2=4.61$, 2df, p=0.10)		($\chi^2=1.96$, 2df, p=0.38)	
Healthy (ref)	1.00 (-)		1.00 (-)	
Overweight	0.95 (0.43-2.08)	0.89	1.17 (0.33-4.13)	0.81
Obese	1.84 (0.92-3.64)	0.083	2.09 (0.64-6.86)	0.22
Alcohol consumption:				
<14 units/week (ref)	1.00 (-)		1.00 (-)	
≥14 units/week	0.90 (0.25-3.28)	0.88	0.00 (0.00-0.00) &	0.999
Number of medicines	1.02 (0.88-1.17)	0.81	0.97 (0.76-1.23)	0.80
Number of comorbidities	1.09 (0.93-1.28)	0.30	1.06 (0.78-1.44)	0.72
History of comorbid depression:				
No (ref)	1.00 (-)		1.00 (-)	
Yes	4.49 (1.78-11.35)	0.002	3.32 (0.74-14.93)	0.12
History of comorbid anxiety:				
No (ref)	1.00 (-)		1.00 (-)	
Yes	2.25 (0.86-5.92)	0.099	0.90 (0.18-4.38)	0.89
QOL:				
Good (ref)	1.00 (-)		1.00 (-)	
Poor	2.66 (1.18-5.99)	0.018	0.91 (0.20-4.06)	0.90
Bothered by emotional problems:				
No (ref)	1.00 (-)		1.00 (-)	
Yes	10.40 (5.27-20.53)	<0.001	5.19 (1.77-15.28)	0.003
Having limitation in social activity:				
No (ref)	1.00 (-)		1.00 (-)	
Yes	2.66 (1.43-4.95)	0.002	0.67 (0.19-2.37)	0.54
Having difficulty in ADL:				

No (ref)	1.00 (-)		1.00 (-)	
Yes	3.27 (1.77-6.03)	<0.001	3.45 (0.94-12.65)	0.062
Having pain:				
No (ref)	1.00 (-)		1.00 (-)	
Yes	4.11 (2.26-7.47)	<0.001	2.37 (0.81-6.91)	0.11

OR: Odds Ratio; CI: Confidence Interval; df: degree of freedom; BMI: Body Mass Index;

QOL: Quality of Life; ADL: Activity of daily living

‡ Overall effect of variables with three or more categories

* P-values highlighted in bold when <0.05

** Continuous variables

& Only six patients consumed ≥ 14 units/week, resulting in very small OR estimate in the multivariable model

ref= reference group for estimation of the odds ratio