

Gender is associated with differences in individual trajectories of change in social health after implantable cardioverter-defibrillator

SUPPLEMENTAL MATERIAL

Supplemental Table 1: Unconditional Individual Growth Model

SF-36v2 Role Physical						
<i>Estimates of Fixed Effects</i>						
Parameter	Estimate	Standard Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	44.09	2.23	260.14	19.76	39.70	48.48
Time [β_{10}]	-0.39	2.38	386.12	-0.16	-5.07	4.29
QuadTime [β_{20}]	2.01	0.77	346.46	2.61	0.50	3.51
<i>Estimates of Covariance Parameters (Diagonal Covariance Matrix)</i>						
Parameter		Estimate	Standard Error	Wald Z	95% CI	
					Lower	Upper
Residual		343.56	26.40	13.01	295.51	399.41
Intercept +	Var: Intercept	522.00	70.78	7.38	400.18	680.90
time	Var: Time	1.29	7.67	0.17	0.00	142525.60
SF-36v2 Role Emotional						
<i>Estimates of Fixed Effects</i>						
Parameter	Estimate	Standard Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	62.20	2.37	196.15	26.26	57.53	66.87
Time [β_{10}]	6.41	2.33	352.60	2.75	1.82	11.00
<i>Estimates of Covariance Parameters</i>						
Parameter		Estimate	Standard Error	Wald Z	95% CI	
					Lower	Upper
Residual		322.44	26.98	11.95	273.67	379.90
Intercept + time	UN (2,2)	20.21	11.53	1.75	6.61	61.80
SF-36v2 Social Functioning						
<i>Estimates of Fixed Effects</i>						
Parameter	Estimate	Standard Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	59.98	2.21	199.16	27.19	55.63	64.33
Time [β_{10}]	7.67	2.27	354.71	3.38	3.21	12.12
<i>Estimates of Covariance Parameters</i>						
Parameter		Estimate	Standard Error	Wald Z	95% CI	
					Lower	Upper
Residual		303.86	25.41	11.96	257.92	357.99
Intercept + time	UN (2,2)	21.09	11.06	1.91	7.54	58.94

Satisfaction with Participation in Social Roles

Estimates of Fixed Effects

Parameter	Estimate	Standard Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	49.25	2.18	194.32	22.57	44.95	53.56
Time [β_{10}]	6.17	2.09	350.78	2.95	2.06	10.28

Estimates of Covariance Parameters

Parameter	Estimate	Standard Error	Wald Z	95% CI	
				Lower	Upper
Residual		257.96	21.64	11.92	218.85 304.07
Intercept + time	UN (2,2)	15.92	9.21	1.73	5.12 49.46

Satisfaction with Participation in Discretionary Social Activities

Estimates of Fixed Effects

Parameter	Estimate	Std. Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	50.79	2.28	192.32	22.23	46.28	55.30
Time [β_{10}]	7.29	2.07	356.07	3.53	3.23	11.36

Estimates of Covariance Parameters

Parameter	Estimate	Std. Error	Wald Z	95% CI	
				Lower	Upper
Residual		250.12	20.93	11.95	212.28 294.69
Intercept + time	UN (2,2)	20.98	9.43	2.23	8.70 50.63

Patient Acceptance of Implantable Cardiac Device Therapy

Estimates of Fixed Effects

Parameter	Estimate	Standard Error	df	t	95% CI	
					Lower	Upper
Intercept [β_{00}]	68.18	1.76	148.36	38.68	64.70	71.66
Time [β_{10}]	2.28	0.63	140.50	3.65	1.05	3.52

Estimates of Covariance Parameters

Parameter	Estimate	Standard Error	Wald Z	95% CI	
				Lower	Upper
Residual		99.15	11.88	8.34	78.39 125.40
Intercept + time	UN (2,2)	5.28	8.90	0.59	0.19 143.48

Note. df = degrees of freedom; sig. = significance.

Highlighted area: The variance in slope when the statistical significance level was $p < .10$.

UN: Unstructured covariance matrix; (2,2): Variance estimate of random linear slope