

**Supplemental Table 3.** NT-proBNP as an independent factor associated with quality of life domains

QoL domains	Unstandardized B (95% CI)	Standardized $\beta$	P
<i>Physical health domains</i>			
<b><i>Physical functioning</i></b>			
Unadjusted	-10.08 (-15.19, -4.96)	-0.21	<0.001
Multivariable-adjusted <sup>1</sup>	-8.78 (-14.23, -3.32)	-0.18	0.002
<b><i>Role limitations caused by physical health problems</i></b>			
Unadjusted	-14.03 (-23.41, -4.64)	-0.16	0.004
Multivariable-adjusted <sup>2</sup>	-10.59 (-20.56, -0.62)	-0.12	0.037
<b><i>Bodily pain</i></b>			
Unadjusted	-7.46 (-13.33, -1.58)	-0.14	0.013
Multivariable-adjusted <sup>3</sup>	-6.42 (-12.37, -0.48)	-0.12	0.034
<b><i>General health</i></b>			
Unadjusted	-3.82 (-7.67, 0.04)	-0.11	0.05
Multivariable-adjusted <sup>4</sup>	-5.43 (-9.42, -1.45)	-0.15	0.008
<i>Mental health domains</i>			
<b><i>Vitality</i></b>			
Unadjusted	-5.79 (-10.87, -0.71)	-0.12	0.026
Multivariable-adjusted <sup>5</sup>	-4.93 (-10.24, 0.39)	-0.11	0.07
<b><i>Social functioning</i></b>			
Unadjusted	-4.68 (-10.94, 1.57)	-0.08	0.14
Multivariable-adjusted <sup>6</sup>	-3.97 (-10.45, 2.51)	-0.07	0.07
<b><i>Role limitations caused by emotional health problem</i></b>			
Unadjusted	-13.17 (-22.86, -3.48)	-0.15	0.008
Multivariable-adjusted <sup>7</sup>	-10.60 (-20.70, -0.49)	-0.12	0.040
<b><i>Emotional well-being</i></b>			
Unadjusted	-6.05 (-11.04, -1.06)	-0.13	0.018
Multivariable-adjusted <sup>8</sup>	-6.05 (-11.04, -1.06)	-0.13	0.018
<i>Kidney disease-specific domains</i>			
<b><i>Symptoms</i></b>			

Unadjusted	-4.98 (-9.52, -0.45)	-0.12	0.031
Multivariable-adjusted <sup>9</sup>	-5.11 (-9.61, -0.62)	-0.12	0.026
<i>Effects of kidney disease</i>			
Unadjusted	-4.07 (-8.87, 0.73)	-0.09	0.10
Multivariable-adjusted <sup>10</sup>	-2.87 (-7.82, 2.08)	-0.07	0.26
<i>Burden of kidney disease</i>			
Unadjusted	-0.53 (-5.49, 4.42)	-0.01	0.83
Multivariable-adjusted <sup>11</sup>	-1.13 (-6.16, 3.90)	-0.03	0.66
<i>Work status</i>			
Unadjusted	-13.24 (-21.82, -4.66)	-0.17	0.003
Multivariable-adjusted <sup>12</sup>	-10.02 (-18.87, -1.17)	-0.17	0.027
<i>Cognitive function*</i>			
Unadjusted	-1.41 (-6.32, 3.49)	-0.03	0.57
<i>Quality of social interaction</i>			
Unadjusted	-0.20 (-5.28, 4.87)	-0.004	0.94
Multivariable-adjusted <sup>13</sup>	-2.87 (-7.82, 2.08)	-0.07	0.26
<i>Sleep</i>			
Unadjusted	2.40 (-2.29, 7.09)	0.06	0.32
Multivariable-adjusted <sup>14</sup>	1.06 (-3.78, 5.90)	0.02	0.67
<i>Social support*</i>			
Unadjusted	-2.56 (-8.09, 2.97)	-0.05	0.36
<i>Dialysis staff encouragement</i>			
Unadjusted	-2.53 (-8.20, 3.14)	-0.05	0.38
Multivariable-adjusted <sup>15</sup>	-1.28 (-7.01, 4.44)	-0.02	0.66
<i>Patient satisfaction*</i>			
Unadjusted	-1.25 (-6.05, 3.55)	-0.03	0.61

1, adjusted for geriatric nutritional risk index (GNRI); 2, C-reactive protein and GNRI; 3, dialysis vintage; 4, age; 5, GNRI; 6, serum albumin; 7, GNRI; 8, no other variables; 9, gender and diabetes mellitus; 10, serum albumin; 11, gender, diabetes mellitus, and C-reactive protein; 12, diabetes mellitus and GNRI; 13, age; 14, age, gender, and diabetes mellitus; 15, dialysis vintage  
 \*No explanatory variables that showed a significant relationship ( $P < 0.05$ ) with these QOL domains