

Supplementary Information

Health-related quality of life among older adults following acute hospitalization

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Table S1 Problems in the EQ-5D dimensions, index scores and EQ-VAS in the non-long stayers (n=222)

	Discharge N=222		1 month N=217		6 months N=211		12 months N=205	
	Intervention group n=104	Control group n=116	Intervention group n=105	Control group n=112	Intervention group n=101	Control group n=110	Intervention group n=99	Control group n=106
Mobility, n (%)								
No problems	29 (27.4)	31 (26.7)	34 (32.4)	28 (25.0)	32 (31.7)	21 (19.1)	26 (26.3)	16 (15.1)
Moderate problems	68 (64.2)	75 (64.7)	62 (59.1)	70 (62.5)	60 (59.4)	70 (63.6)	58 (58.6)	67 (63.2)
Extreme problems	7 (6.6)	10 (8.6)	6 (5.7)	6 (5.4)	3 (3.0)	8 (7.3)	6 (6.1)	8 (7.6)
Reporting any problems ^a	75 (70.8)	85 (73.3)	68 (64.8)	76 (67.9)	63 (62.4)	78 (70.9)	64 (64.7)	75 (70.8)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	8 (7.1)	6 (5.9)	11 (10.0)	9 (9.1)	15 (14.2)
Self-care, n (%)								
No problems	69 (65.1)	74 (63.8)	70 (66.7)	74 (66.1)	78 (77.2)	75 (68.2)	64 (64.7)	69 (65.1)
Moderate problems	28 (26.4)	30 (25.9)	28 (26.7)	24 (21.4)	15 (14.9)	17 (15.5)	24 (24.2)	14 (13.2)
Extreme problems	7 (6.6)	12 (10.3)	4 (3.8)	6 (5.4)	2 (2.0)	6 (5.5)	2 (2.0)	8 (7.6)
Reporting any problems ^a	35 (33.0)	42 (36.2)	32 (30.5)	30 (26.8)	17 (16.8)	23 (20.9)	26 (26.3)	22 (20.8)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	8 (7.1)	6 (5.9)	12 (10.9)	9 (9.1)	15 (14.2)
Usual activities, n (%)								
No problems	32 (30.2)	35 (30.2)	42 (40.0)	29 (25.9)	34 (33.7)	29 (36.4)	34 (34.3)	28 (26.4)
Moderate problems	44 (41.5)	46 (39.7)	43 (41.0)	53 (47.3)	46 (45.5)	47 (42.7)	40 (40.4)	41 (38.7)
Extreme problems	28 (26.4)	35 (30.2)	17 (16.2)	22 (19.6)	15 (14.9)	21 (19.1)	16 (16.2)	22 (20.8)
Reporting any problems ^a	72 (67.9)	81 (69.8)	60 (57.1)	75 (67.0)	61 (60.4)	68 (61.8)	56 (56.6)	63 (59.4)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	8 (7.1)	6 (5.9)	13 (11.8)	9 (9.1)	15 (14.2)
Pain/discomfort, n (%)								
No problems	33 (31.1)	42 (36.2)	34 (32.4)	44 (39.3)	36 (35.6)	30 (27.3)	26 (26.3)	27 (25.5)
Moderate problems	58 (54.7)	57 (49.1)	57 (54.3)	49 (43.8)	48 (47.5)	50 (45.5)	53 (53.5)	49 (46.2)
Extreme problems	13 (12.3)	17 (14.7)	11 (10.5)	11 (9.8)	11 (10.9)	18 (16.4)	11 (11.1)	15 (14.2)
Reporting any problems ^a	71 (67.0)	74 (63.8)	68 (64.8)	60 (53.6)	59 (58.4)	68 (61.8)	64 (64.6)	64 (60.4)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	8 (7.1)	6 (5.9)	12 (10.9)	9 (9.1)	15 (14.2)
Anxiety/depression, n (%)								
No problems	63 (59.4)	68 (58.6)	63 (60.0)	67 (59.8)	59 (58.4)	56 (51.0)	55 (55.6)	57 (53.8)
Moderate problems	35 (33.0)	39 (33.6)	36 (34.3)	32 (28.6)	35 (34.7)	37 (33.6)	34 (34.3)	29 (27.4)
Extreme problems	6 (5.7)	9 (7.8)	3 (2.9)	4 (3.6)	1 (1.0)	5 (4.6)	1 (1.0)	4 (3.8)
Reporting any problems ^a	41 (38.7)	48 (41.4)	39 (37.1)	36 (32.1)	36 (35.6)	42 (38.2)	35 (35.4)	33 (31.1)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	9 (8.0)	6 (5.9)	12 (10.9)	9 (9.1)	16 (15.1)
Any dimension, n (%)								
No problems	8 (7.6)	12 (10.3)	11 (10.5)	12 (10.7)	12 (11.9)	8 (7.3)	5 (5.1)	9 (8.5)
Moderate problems	57 (53.8)	55 (47.4)	64 (61.0)	62 (55.4)	57 (56.4)	58 (52.7)	59 (59.6)	52 (49.1)
Extreme problems	39 (36.8)	49 (42.2)	27 (25.7)	30 (26.8)	26 (25.7)	33 (30.0)	26 (26.3)	30 (28.3)
Reporting any problems ^a	96 (90.6)	104 (89.7)	91 (86.7)	92 (82.1)	83 (82.2)	91 (82.7)	85 (85.9)	82 (77.4)
Missing	2 (1.9)	0 (0.0)	3 (2.9)	8 (7.1)	6 (5.9)	11 (10.0)	9 (9.1)	15 (14.2)
EQ-5D-3L index score^b	0.511	0.491	0.567	0.529	0.559	0.451	0.501	0.436
EQ-5D-3L VAS score^b	60.29	56.27	61.86	60.71	64.08	58.92	62.87	57.41

^aReporting any problems is the sum of moderate problems and extreme problems.^bUnadjusted

Abbreviations: EQ-VAS, EuroQol visual analogue scale

Table S2 Problems in the EQ-5D dimensions, index scores and EQ-VAS in the long stayers (n=63)

	Discharge N=63		1 month N=60		6 months N=57		12 months N=54	
	Intervention group n=42	Control group n=21	Intervention group n=40	Control group n=20	Intervention group n=38	Control group n=19	Intervention group n=35	Control group n=19
Mobility, n (%)								
No problems	6 (14.3)	1 (4.8)	7 (17.5)	1 (5.0)	3 (7.9)	2 (10.5)	4 (11.1)	2 (10.5)
Moderate problems	33 (78.6)	17 (81.0)	24 (60.0)	16 (80.0)	23 (60.5)	15 (79.0)	14 (38.9)	12 (63.2)
Extreme problems	3 (7.1)	3 (14.3)	2 (5.0)	1 (5.0)	1 (2.6)	0 (0.0)	4 (11.1)	1 (5.3)
Reporting any problems ^a	36 (85.7)	20 (95.2)	26 (65.0)	17 (85.0)	24 (63.2)	15 (79.0)	18 (50.0)	13 (68.4)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	2 (10.5)	14 (38.9)	4 (21.1)
Self-care, n (%)								
No problems	24 (57.1)	9 (42.9)	17 (42.5)	11 (55.0)	17 (44.7)	9 (47.4)	13 (36.1)	9 (47.4)
Moderate problems	15 (35.7)	6 (28.6)	14 (35.0)	5 (25.0)	7 (18.4)	7 (36.8)	5 (13.9)	5 (26.3)
Extreme problems	3 (7.1)	6 (28.6)	2 (5.0)	2 (10.0)	3 (7.9)	1 (5.3)	4 (11.1)	1 (5.3)
Reporting any problems ^a	18 (42.9)	12 (57.1)	16 (40.0)	7 (35.0)	10 (26.3)	8 (42.1)	9 (25.0)	6 (31.6)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	2 (10.5)	14 (38.9)	4 (21.1)
Usual activities, n (%)								
No problems	8 (19.1)	3 (14.3)	6 (15.0)	1 (5.0)	4 (10.5)	2 (10.5)	4 (11.1)	1 (5.3)
Moderate problems	22 (52.4)	8 (38.1)	14 (35.0)	8 (40.0)	15 (39.5)	12 (63.2)	11 (30.6)	11 (57.9)
Extreme problems	12 (28.6)	10 (47.6)	13 (32.5)	9 (45.0)	8 (21.1)	3 (15.8)	7 (19.4)	3 (15.8)
Reporting any problems ^a	34 (81.0)	18 (85.7)	27 (67.5)	17 (85.0)	23 (60.5)	15 (79.0)	18 (50.0)	14 (73.7)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	2 (10.5)	14 (38.9)	4 (21.1)
Pain/discomfort, n (%)								
No problems	15 (35.7)	10 (47.6)	9 (22.5)	4 (20.0)	9 (23.7)	4 (21.1)	6 (16.7)	2 (10.5)
Moderate problems	22 (52.4)	9 (42.9)	20 (50.0)	11 (55.0)	13 (34.2)	10 (52.6)	10 (27.8)	10 (52.6)
Extreme problems	5 (11.9)	2 (9.5)	4 (10.0)	3 (15.0)	5 (13.2)	2 (10.5)	6 (16.7)	3 (15.8)
Reporting any problems ^a	27 (64.3)	11 (52.4)	24 (60.0)	14 (70.0)	18 (47.4)	12 (63.2)	16 (44.4)	13 (68.4)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	3 (15.8)	14 (38.9)	4 (21.1)
Anxiety/depression, n (%)								
No problems	33 (78.6)	8 (38.1)	23 (57.5)	11 (55.0)	16 (42.1)	8 (42.1)	15 (41.7)	8 (42.1)
Moderate problems	7 (16.7)	11 (52.4)	8 (20.0)	5 (25.0)	9 (23.7)	7 (36.8)	4 (11.1)	7 (36.8)
Extreme problems	2 (4.8)	2 (9.5)	2 (5.0)	2 (10.0)	2 (5.3)	1 (5.3)	3 (8.3)	0 (0.0)
Reporting any problems ^a	9 (21.4)	13 (61.9)	10 (25.0)	7 (35.0)	11 (29.0)	8 (42.1)	7 (19.4)	7 (36.8)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	3 (15.8)	14 (38.9)	4 (21.1)
Any dimension, n (%)								
No problems	3 (7.1)	0 (0.0)	3 (7.5)	0 (0.0)	3 (7.9)	0 (0.0)	2 (5.6)	0 (0.0)
Moderate problems	22 (52.4)	9 (42.9)	14 (35.0)	6 (30.0)	12 (31.6)	12 (63.2)	9 (25.0)	9 (47.4)
Extreme problems	17 (40.5)	12 (57.1)	16 (40.0)	12 (60.0)	12 (31.6)	5 (26.3)	11 (30.6)	6 (31.6)
Reporting any problems ^a	39 (92.9)	21 (100.0)	30 (75.0)	18 (90.0)	24 (63.2)	17 (89.5)	20 (55.6)	15 (79.0)
Missing	0 (0.0)	0 (0.0)	7 (17.5)	2 (10.0)	11 (29.0)	2 (10.5)	14 (38.9)	4 (21.1)
EQ-5D-3L index score^b	0.508	0.366	0.394	0.330	0.342	0.459	0.242	0.362
EQ-5D-3L VAS score^b	56.15	51.83	52.85	49.12	52.72	58.53	52.97	54.85

^aReporting any problems is the sum of moderate problems and extreme problems.^bUnadjusted

Abbreviations: EQ-VAS, EuroQoL visual analogue scale

Table S3 Results of multivariable multi-level logistic regression models of EQ-5D dimensions (no problem versus problem (moderate or extreme)) for the non-long stayers (n=222)

	Mobility		Self-care		Usual activities		Pain/Discomfort		Anxiety/Depression	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Constant	0.32 (0.10 – 1.02)	0.055	0.11 (0.02 – 0.79)	0.029	0.00 (0.00 – 0.01)	<0.001	0.55 (0.26 – 1.18)	0.127	0.08 (0.03 – 0.20)	<0.001
Intervention group	0.61 (0.26 – 1.42)	0.253	1.10 (0.53 – 2.27)	0.793	0.70 (0.03 – 1.47)	0.352	1.12 (0.62 – 2.00)	0.707	0.93 (0.43 – 2.04)	0.860
Time (reference: discharge)										
1 month	0.81 (0.44 – 1.49)	0.499	0.72 (0.41 – 1.29)	0.271	0.75 (0.42 – 1.34)	0.331	0.78 (0.47 – 1.28)	0.328	0.77 (0.44 – 1.36)	0.369
6 months	1.18 (0.62 – 2.21)	0.616	0.31 (0.16 – 0.59)	<0.001	0.95 (0.52 – 1.73)	0.858	0.98 (0.59 – 1.62)	0.924	1.17 (0.66 – 2.07)	0.593
12 months	2.14 (1.09 – 4.17)	0.026	0.72 (0.39 – 1.32)	0.286	0.99 (0.54 – 1.81)	0.965	1.40 (0.82 – 2.39)	0.219	0.98 (0.55 – 1.77)	0.957
Study ward 1	4.08 (1.54 – 10.76)	0.005	2.49 (0.00 – 6.22)	0.050	2.57 (1.07 – 6.16)	0.035	NS	NS	NS	NS
Age when included ^a	NS		NS		1.10 (1.03 – 1.18)	0.004	NS	NS	NA	NA
Sex Female	NS		NA		NS		2.54 (1.39 – 4.65)	0.002	3.19 (1.41 – 7.21)	0.005
Level of education >12 years	NA		2.26 (1.08 – 4.71)	0.030	NA		NA	NA	NA	NA
Home-dwelling before included	NS		0.10 (0.02 – 0.53)	0.006	NS		NA	NA	NS	NS
Living alone before included	NS		NS		NS		NA	NA	NA	NA
Home-care services	6.17 (2.37 – 16.09)	<0.001	12.59 (5.26 – 30.14)	<0.001	3.49 (1.52 – 8.04)	0.003	NS	NS	NS	NS
Number of medications total ^a	1.17 (1.07 – 1.29)	0.001	1.09 (1.01 – 1.17)	0.018	1.26 (1.15 – 1.37)	<0.001	1.12 (1.06 – 1.19)	<0.001	NS	NS
Handling own medications	NS		NS		NS		NA	NA	NS	NS
Multidose adherence aid	NS		NS		NS		NA	2.89 (1.18 – 7.06)	0.020	
Hypertension	NA		NA		NA		NS	NS	NA	NA
Asthma or COPD	NA		NS		NS		NS	NS	NA	NA
Atrial fibrillation	NS		NS		NS		NA	2.50 (1.03 – 6.05)	0.042	
Diabetes	NS		NS		NS		NA	2.70 (1.00 – 7.25)	0.049	
Heart failure	NS		NS		NS		NA	NA	NS	NS
Renal failure	NA		NA		NA		NA	NA	NS	NS
Anxiety / depression	NA		NA		NA		NS	28.27 (6.36 – 125.53)	<0.001	
Dementia	NA		NS		NA		0.08 (0.01 – 0.49)	0.007	NA	
Charlson Comorbidity Index ^b	NS		NS		NS		NA	NA	NA	

^a Continuous variable

^b Tested in a separate model from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; OR, odds ratio; CI, confidence interval; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S4 Results of multivariable multi-level logistic regression models of EQ-5D dimensions (no problem versus problem (moderate or extreme)) for the long stayers (n=63)

	Mobility		Self-care		Usual activities		Pain/Discomfort		Anxiety/Depression	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Constant	7.25 (0.74 – 70.56)	0.088	0.05 (0.01 – 0.35)	0.002	0.84 (0.09 – 8.26)	0.882	1.31 (0.37 – 4.67)	0.677	0.04 (0.00 – 0.35)	0.004
Intervention group	0.57 (0.11 – 2.99)	0.502	1.13 (0.33 – 3.89)	0.842	0.54 (0.10 – 2.97)	0.482	1.09 (0.46 – 2.61)	0.843	0.25 (0.05 – 1.19)	0.082
Time (reference: discharge)										
1 month	0.55 (0.14 – 2.11)	0.382	0.95 (0.35 – 2.56)	0.914	1.54 (0.38 – 6.20)	0.544	2.23 (0.90 – 5.56)	0.085	0.89 (0.28 – 2.82)	0.843
6 months	0.97 (0.22 – 4.25)	0.963	0.70 (0.24 – 2.02)	0.511	1.57 (0.36 – 6.76)	0.548	1.82 (0.71 – 4.66)	0.213	2.39 (0.72 – 7.94)	0.155
12 months	0.62 (0.14 – 2.67)	0.519	1.00 (0.32 – 3.08)	0.995	1.94 (0.40 – 9.41)	0.410	3.37 (1.13 – 10.00)	0.029	1.37 (0.39 – 4.82)	0.623
Study ward Ward 1	NA		NS		21.28 (2.30 – 196.75)	0.007	NA		NA	
Age when included ^a	NS		NS		NS		NS		NA	
Sex Female	NA		NA		NA		NA		NS	
Level of education >12 years	NA		NS		NS		NA		NA	
Home-dwelling before included	NS		NA		NA		NA		NA	
Living alone before included	NA		NA		NS		NA		NA	
Home-care services	NS		6.5 (1.68 – 25.22)	0.007	NS		NA		NS	
Number of medications total ^a	1.20 (1.01 – 1.42)	0.040	1.17 (1.03 – 1.34)	0.014	NS		1.11 (1.02 – 1.22)	0.015	1.32 (1.12 – 1.57)	0.001
Handling own medications	NA		NS		NS		NA		NS	
Multidose adherence aid	NA		NS		NS		NA		NS	
Hypertension	NA		NA		NS		0.40 (0.17 – 0.91)	0.029	NS	
Asthma or COPD	NA		NA		40.29 (1.42 – 1144.25)	0.030	NS		NS	
Atrial fibrillation	NA		NS		NA		0.31 (0.12 – 0.78)	0.013	NS	
Diabetes	NA		NA		NA		NA		NA	
Heart failure	NA		NS		NA		NA		NA	
Renal failure	NA		NS		NA		NA		NA	
Anxiety / depression	NA		NA		NA		NS		16.71 (1.40 – 199.84)	0.026
Dementia	NA		NA		NA		NA		NA	
Charlson Comorbidity Index ^b	NS		NS		NA		NA		NA	

^a Continuous variable

^b Tested separately from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; OR, odds ratio; CI, confidence interval; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S5 Results of univariable multi-level logistic regression models of EQ-5D dimensions (no problem versus problem (moderate or extreme)) for the full population (n=285)

	Mobility OR (95% CI))	p-value	Self-care OR (95% CI))	p-value	Usual activities OR (95% CI))	p-value	Pain/Discomfort OR (95% CI))	p-value	Anxiety/Depression OR (95% CI))	p-value
Constant	16.41 (7.31 – 36.84)	<0.001	0.36 (0.20 – 0.67)	0.001	10.02 (4.71 – 1.27)	<0.001	2.31 (1.46 – 3.65)	<0.001	0.48 (0.26 – 0.90)	0.022
Intervention group	0.60 (0.27 – 1.35)	0.217	1.07 (0.52 – 2.20)	0.858	0.73 (0.33 – 1.62)	0.435	1.16 (0.69 – 1.97)	0.588	0.64 (0.30 – 1.37)	0.250
Time (reference: discharge)										
1 month	0.69 (0.40 – 1.21)	0.199	0.73 (0.44 – 1.20)	0.215	0.74 (0.43 – 1.27)	0.274	0.99 (0.64 – 1.53)	0.968	0.80 (0.48 – 1.33)	0.392
6 months	1.02 (0.57 – 1.83)	0.948	0.36 (0.21 – 0.62)	<0.001	0.90 (0.51 – 1.58)	0.705	1.12 (0.72 – 1.76)	0.645	1.33 (0.79 – 2.22)	0.283
12 months	1.57 (0.85 – 2.90)	0.148	0.71 (0.42 – 1.21)	0.213	0.94 (0.53 – 1.67)	0.839	1.68 (1.04 – 2.69)	0.034	1.05 (0.62 – 1.78)	0.866
Study ward Ward 1	9.08 (3.52 – 23.43)	<0.001	7.51 (3.00 – 18.81)	<0.001	11.33 (4.36 – 29.46)	<0.001	0.91 (0.49 – 1.70)	0.772	3.11 (1.27 – 7.61)	0.013
Age when included (continuous)	1.17 (1.09 – 1.25)	<0.001	1.10 (1.03 – 1.16)	0.003	1.20 (81.12 – 1.29)	<0.001	0.99 (0.95 – 1.03)	0.752	0.96 (0.90 – 1.02)	0.188
Sex Female	1.47 (0.64 – 3.37)	0.367	0.91 (0.43 – 1.91)	0.806	2.03 (0.89 – 4.66)	0.093	2.34 (1.36 – 4.03)	0.002	3.67 (1.68 – 8.03)	0.001
Level of education >12 years	1.03 (0.45 – 2.35)	0.939	1.08 (0.52 – 2.25)	0.826	0.53 (0.23 – 1.21)	0.132	1.09 (0.63 – 1.86)	0.765	0.70 (0.33 – 1.52)	0.369
Home-dwelling before included	0.05 (0.00 – 0.60)	0.018	0.20 (0.05 – 0.89)	0.034	0.02 (0.00 – 0.37)	0.008	0.69 (0.23 – 2.13)	0.523	2.50 (0.54 – 11.63)	0.242
Living alone before included	2.77 (1.21 – 6.37)	0.016	2.30 (1.10 – 4.84)	0.027	4.83 (2.13 – 10.98)	<0.001	1.20 (0.79 – 0.69)	0.519	1.16 (0.54 – 2.49)	0.703
Home-care services	13.10 (5.59 – 30.67)	<0.001	17.44 (8.34 – 36.47)	<0.001	16.62 (7.17 – 38.52)	<0.001	1.62 (0.96 – 2.74)	0.071	3.33 (1.54 – 7.17)	0.002
Number of medications total	1.26 (1.15 – 1.38)	<0.001	1.21 (1.13 – 1.30)	<0.001	1.37 (1.25 – 1.51)	<0.001	1.13 (1.08 – 1.19)	<0.001	1.17 (1.09 – 1.26)	<0.001
Handling own medications	0.10 (0.043 – 0.24)	<0.001	0.08 (0.04 – 0.18)	<0.001	0.06 (0.03 – 0.14)	<0.001	1.05 (0.62 – 1.79)	0.854	0.21 (0.10 – 0.46)	<0.001
Multidose adherence aid	6.62 (1.23 – 17.32)	<0.001	5.68 (2.57 – 12.54)	<0.001	12.19 (4.63 – 32.07)	<0.001	1.46 (0.82 – 2.61)	0.201	4.89 (2.12 – 11.31)	<0.001
Hypertension	0.96 (0.43 – 2.15)	0.916	0.98 (0.48 – 2.01)	0.959	1.42 (0.64 – 3.18)	0.390	1.20 (0.71 – 2.05)	0.489	0.67 (0.31 – 1.41)	0.289
Asthma or COPD	1.42 (0.58 – 3.49)	0.439	1.72 (0.78 – 3.81)	0.178	3.32 (1.33 – 8.25)	0.010	1.92 (1.06 – 3.46)	0.030	1.20 (0.52 – 2.76)	0.670
Atrial fibrillation	2.83 (1.01 – 7.23)	0.030	2.20 (0.98 – 4.91)	0.055	3.32 (1.32 – 8.32)	0.011	1.08 (0.59 – 1.95)	0.807	3.24 (1.38 – 7.58)	0.007
Diabetes	5.54 (1.82 – 16.89)	0.003	3.17 (1.30 – 7.78)	0.011	5.76 (1.94 – 17.06)	0.002	1.09 (0.56 – 2.10)	0.808	3.01 (1.14 – 7.93)	0.026
Heart failure	2.89 (0.88 – 9.47)	0.079	4.01 (1.47 – 10.94)	0.007	2.50 (0.79 – 7.90)	0.117	0.91 (0.43 – 1.91)	0.806	2.03 (0.76 – 6.37)	0.144
Renal failure	1.91 (0.61 – 6.07)	0.268	1.46 (0.54 – 3.93)	0.455	1.26 (0.41 – 3.84)	0.682	1.25 (0.60 – 2.61)	0.547	0.62 (0.22 – 1.76)	0.367
Anxiety / depression	1.20 (0.30 – 4.78)	0.793	2.38 (0.70 – 8.15)	0.167	2.40 (0.58 – 9.83)	0.225	2.60 (1.00 – 6.71)	0.048	43.18 (10.90 – 171.00)	<0.001
Dementia	1.85 (0.19 – 18.47)	0.601	7.83 (1.09 – 56.22)	0.041	2.31 (0.23 – 22.68)	0.473	0.17 (0.04 – 0.72)	0.016	0.36 (0.05 – 2.89)	0.339
Charlson Comorbidity Index*	1.50 (1.18 – 1.91)	<0.001	1.46 (1.20 – 1.77)	<0.001	1.41 (1.12 – 1.79)	0.004	1.05 (0.92 – 1.21)	0.470	1.05 (0.86 – 1.29)	0.610

^a Continuous variable

^b Tested separately from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; OR, odds ratio; CI, confidence interval; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S6 Results of univariable multi-level logistic regression models of EQ-5D dimensions (no problem versus problem (moderate or extreme)) for the non-long stayers (n=222)

	Mobility		Self-care		Usual activities		Pain/Discomfort		Anxiety/Depression	
	Univariable regression		Univariable regression		Univariable regression		Univariable regression		Univariable regression	
	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value
Constant	12.59 (5.28 – 30.02)	<0.001	0.29 (0.15 – 0.58)	0.001	7.49 (3.44 – 16.29)	<0.001	2.58 (1.51 – 4.40)	<0.001	0.44 (0.22 – 0.87)	0.019
Intervention group	0.50 (0.20 – 1.26)	0.142	1.01 (0.44 – 2.31)	0.99	0.60 (0.25 – 1.46)	0.262	1.21 (0.64 – 2.29)	0.548	0.92 (0.40 – 2.14)	0.851
Time (reference: discharge)										
1 month	0.76 (0.41 – 1.40)	0.374	0.69 (0.39 – 1.23)	0.211	0.69 (0.38 – 1.24)	0.213	0.78 (0.47 – 1.28)	0.323	0.76 (0.43 – 1.34)	0.349
6 months	1.09 (0.58 – 2.05)	0.794	0.30 (0.16 – 0.57)	<0.001	0.86 (0.47 – 1.58)	0.629	0.97 (0.58 – 1.62)	0.911	1.14 (0.65 – 2.03)	0.636
12 months	1.96 (1.00 – 3.85)	0.049	0.67 (0.37 – 1.22)	0.192	0.89 (0.48 – 1.65)	0.715	1.39 (0.81 – 2.36)	0.232	0.98 (0.54 – 1.75)	0.935
Study ward Ward 1	9.61 (3.35 – 27.60)	<0.001	6.15 (2.24 – 16.91)	<0.001	8.57 (3.13 – 23.47)	<0.001	1.01 (0.49 – 2.29)	0.989	3.35 (1.27 – 8.82)	0.014
Age when included (continuous)	1.17 (1.08 – 1.27)	<0.001	1.07 (1.00 – 1.15)	0.047	1.21 (1.12 – 1.30)	<0.001	1.01 (0.95 – 1.06)	0.813	0.97 (0.90 – 1.04)	0.370
Sex Female	1.97 (0.76 – 5.06)	0.161	1.00 (0.42 – 2.35)	0.994	2.04 (0.82 – 5.05)	0.124	2.60 (1.56 – 5.63)	0.001	4.18 (1.74 – 10.05)	0.001
Level of education >12 years	1.03 (0.41 – 2.63)	0.943	1.66 (0.72 – 3.82)	0.237	0.65 (0.26 – 1.60)	0.346	0.94 (0.49 – 1.78)	0.848	0.66 (0.28 – 1.56)	0.342
Home-dwelling before included	0.05 (0.00 – 1.07)	0.056	0.12 (0.02 – 0.88)	0.038	0.05 (0.00 – 0.74)	0.030	0.55 (0.11 – 2.69)	0.458	0.29 (0.04 – 2.12)	0.220
Living alone before included	4.00 (1.54 – 10.40)	0.004	2.26 (0.96 – 5.32)	0.061	4.96 (2.02 – 12.21)	<0.001	1.32 (0.69 – 2.52)	0.398	0.82 (0.35 – 1.91)	0.645
Home-care services	16.69 (6.25 – 44.57)	<0.001	17.87 (7.65 – 41.72)	<0.001	16.12 (6.48 – 40.15)	<0.001	1.78 (0.95 – 3.34)	0.072	3.20 (1.36 – 7.55)	0.008
Number of medications total	1.28 (1.15 – 1.40)	<0.001	1.20 (1.11 – 1.31)	<0.001	1.37 (1.24 – 1.52)	<0.001	1.15 (1.08 – 1.22)	<0.001	1.12 (1.03 – 1.22)	0.006
Handling own medications	0.09 (0.03 – 0.23)	<0.001	0.08 (0.03 – 0.20)	<0.001	0.06 (0.02 – 0.15)	<0.001	1.01 (0.53 – 1.90)	0.984	0.26 (0.11 – 0.62)	0.002
Multidose adherence aid	9.49 (3.06 – 29.39)	<0.001	6.54 (2.57 – 16.67)	<0.001	13.40 (4.54 – 39.51)	<0.001	1.45 (0.72 – 2.95)	0.301	5.774 (2.19 – 15.06)	<0.001
Hypertension	0.91 (0.36 – 2.25)	0.830	0.88 (0.38 – 2.02)	0.762	1.16 (0.48 – 2.80)	0.739	1.63 (0.87 – 3.05)	0.129	0.89 (0.38 – 2.06)	0.781
Asthma or COPD	1.50 (0.55 – 4.06)	0.429	2.17 (0.88 – 5.34)	0.093	2.91 (1.10 – 7.75)	0.032	1.76 (0.88 – 3.52)	0.108	0.77 (0.31 – 1.93)	0.578
Atrial fibrillation	3.91 (1.34 – 11.41)	0.013	1.77 (0.70 – 4.47)	0.228	3.92 (1.43 – 10.77)	<0.001	1.52 (0.74 – 3.09)	0.253	3.33 (1.29 – 8.61)	0.013
Diabetes	6.81 (1.92 – 24.10)	0.003	3.18 (1.13 – 8.93)	0.029	4.17 (1.31 – 13.25)	0.016	0.97 (0.44 – 2.14)	0.949	3.50 (1.18 – 10.40)	0.024
Heart failure	3.25 (0.80 – 13.16)	0.098	3.75 (1.12 – 12.57)	0.032	2.65 (0.72 – 9.84)	0.145	0.90 (0.36 – 2.26)	0.821	1.82 (0.53 – 6.29)	0.343
Renal failure	2.17 (0.55 – 8.61)	0.269	0.82 (0.24 – 2.78)	0.746	0.97 (0.27 – 3.50)	0.959	1.01 (0.40 – 2.53)	0.980	0.41 (0.12 – 1.41)	0.157
Anxiety / depression	1.20 (0.25 – 5.79)	0.817	2.28 (0.54 – 9.56)	0.260	1.55 (0.33 – 7.25)	0.580	2.34 (0.76 – 7.18)	0.137	45.38 (9.48 – 217,28)	<0.001
Dementia	0.75 (0.05 – 11.36)	0.834	9.43 (0.80 – 111.63)	0.075	0.86 (0.06 – 11.88)	0.913	0.07 (0.01 – 0.47)	0.006	0.10 (0.01 – 1.53)	0.099
Charlson Comorbidity Index*	1.48 (1.13 – 1.94)	0.004	1.42 (1.15 – 1.77)	0.001	1.40 (1.09 – 1.80)	0.008	1.05 (0.89 – 1.23)	0.568	1.05 (0.85 – 1.31)	0.642

^a Continuous variable

^b Tested separately from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; OR, odds ratio; CI, confidence interval; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S7 Results of univariable multi-level logistic regression models of EQ-5D dimensions (no problem versus problem (moderate or extreme)) for the long stayers (n=63)

	Mobility		Self-care		Usual activities		Pain/Discomfort		Anxiety/Depression	
	Simple regression		Simple regression		Simple regression		Simple regression		Simple regression	
	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value	OR (95% CI))	p-value
Constant	52.50 (6.43 – 428.30)	<0.001	0.99 (0.28 – 3.50)	0.992	40.04 (3.57 – 448.56)	0.003	1.79 (0.71 – 4.52)	0.217	0.91 (0.19 – 4.35)	0.906
Intervention group	0.39 (0.07 – 2.28)	0.295	0.76 (0.19 – 3.12)	0.704	0.50 (0.07 – 3.87)	0.508	0.93 (0.35 – 2.51)	0.892	0.15 (0.02 – 1.06)	0.057
Time (reference: discharge)										
1 month	0.53 (0.14 – 2.07)	0.360	0.89 (0.33 – 2.41)	0.817	1.31 (0.32 – 5.56)	0.708	2.25 (0.89 – 5.69)	0.086	0.93 (0.29 – 2.95)	0.897
6 months	0.92 (0.20 – 4.12)	0.911	0.66 (0.23 – 1.90)	0.438	1.38 (0.30 – 6.30)	0.681	1.75 (0.67 – 4.55)	0.250	2.35 (0.70 – 7.84)	0.166
12 months	0.58 (0.13 – 2.57)	0.475	0.94 (0.31 – 2.90)	0.917	1.71 (0.33 – 8.76)	0.521	3.23 (1.08 – 9.69)	0.036	1.31 (0.37 – 4.62)	0.670
Study ward Ward 1	2.78 (0.36 – 23.47)	0.326	9.83 (1.07 – 89.84)	0.043	17.76 (1.72 – 183.44)	0.016	0.44 (0.10 – 1.90)	0.273	2.33 (0.20 – 27.54)	0.503
Age when included (continuous)	1.11 (0.99 – 1.26)	0.077	1.13 (1.01 – 1.26)	0.032	1.10 (0.94 – 1.28)	0.247	0.95 (0.87 – 1.02)	0.167	0.92 (0.80 – 1.07)	0.279
Sex Female	0.47 (0.08 – 2.69)	0.393	0.84 (0.21 – 3.45)	0.810	2.73 (0.39 – 19.11)	0.311	1.08 (0.40 – 2.92)	0.882	3.01 (0.51 – 17.61)	0.222
Level of education >12 years	0.88 (0.18 – 4.29)	0.974	0.27 (0.06 – 1.14)	0.074	0.16 (0.02 – 1.12)	0.065	1.62 (0.62 – 4.28)	0.327	0.68 (0.11 – 4.03)	0.668
Home-dwelling before included	0.15 (0.01 – 3.20)	0.222	0.80 (0.11 – 5.78)	0.822	1 (omitted)		1.05 (0.26 – 4.28)	0.941	0.63 (0.05 – 7.32)	0.710
Living alone before included	0.42 (0.70 – 2.51)	0.340	2.00 (0.49 – 8.18)	0.332	3.02 (0.46 – 19.74)	0.247	0.80 (0.30 – 2.14)	0.658	1.25 (0.22 – 7.27)	0.803
Home-care services	2.57 (0.54 – 12.30)	0.236	11.22 (2.68 – 46.93)	0.001	8.62 (1.29 – 57.47)	0.026	1.22 (0.46 – 3.21)	0.693	5.65 (0.88 – 36.09)	0.067
Number of medications total	1.20 (1.01 – 1.42)	0.040	1.24 (1.08 – 1.42)	0.002	1.33 (1.09 – 1.61)	0.005	1.09 (1.00 – 1.20)	0.062	1.37 (1.15 – 1.64)	0.001
Handling own medications	0.41 (0.08 – 2.08)	0.283	0.13 (0.03 – 0.50)	0.003	0.16 (0.02 – 1.13)	0.066	1.33 (0.49 – 3.58)	0.576	0.08 (0.01 – 0.054)	0.009
Multidose adherence aid	1.02 (0.20 – 5.27)	0.984	2.55 (0.63 – 10.30)	0.188	4.02 (0.52 – 30.71)	0.180	1.46 (0.55 – 3.92)	0.448	3.38 (0.60 – 19.20)	0.169
Hypertension	1.10 (0.22 – 5.44)	0.907	1.29 (0.34 – 4.94)	0.710	3.53 (0.50 – 25.11)	0.207	0.40 (0.16 – 0.99)	0.048	0.21 (0.04 – 1.21)	0.081
Asthma or COPD	2.06 (0.31 – 13.76)	0.455	1.04 (0.22 – 5.06)	0.958	32.15 (0.91 – 1138.49)	0.057	3.33 (1.07 – 10.40)	0.038	7.03 (0.98 – 50.45)	0.052
Atrial fibrillation	0.70 (0.12 – 3.91)	0.682	3.51 (0.77 – 15.97)	0.104	1.22 (0.15 – 10.12)	0.850	0.30 (0.14 – 1.08)	0.069	3.35 (0.47 – 23.66)	0.226
Diabetes	2.26 (0.28 – 18.49)	0.448	2.53 (0.48 – 13.45)	0.275	1 (Empty)		1.44 (0.44 – 4.72)	0.547	1.36 (0.17 – 11.01)	0.773
Heart failure	1.17 (0.16 – 8.42)	0.879	3.20 (0.60 – 17.00)	0.172	0.98 (0.10 – 9.66)	0.984	0.93 (0.29 – 2.97)	0.898	5.22 (0.60 – 45.44)	0.134
Renal failure	0.67 (0.11 – 4.10)	0.666	2.81 (0.58 – 13.7)	0.199	1.16 (0.12 – 11.01)	0.895	1.91 (0.60 – 6.12)	0.273	1.90 (0.25 – 14.17)	0.533
Anxiety / depression	1.01 (0.08 – 12.77)	0.992	2.60 (0.27 – 24.04)	0.408	1 (Empty)		3.77 (0.64 – 22.18)	0.142	45.18 (2.52 – 808.17)	0.010
Dementia	1 (Empty)		4.63 (0.22 – 96.35)	0.322	1 (Empty)		0.96 (0.11 – 8.20)	0.971	6.06 (0.13 – 287.44)	0.360
Charlson Comorbidity Index*	1.40 (0.86 – 2.30)	0.180	1.52 (0.97 – 2.36)	0.065	1.27 (0.66 – 2.43)	0.470	1.09 (0.81 – 1.47)	0.576	0.99 (0.59 – 1.69)	0.984

^a Continuous variable^b Tested separately from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; OR, odds ratio; CI, confidence interval; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S8 Results of univariable and final multivariable mixed model regressions of index scores for the non-long stayers (n=222) and long stayers (n=63)

	Non-long stayers (n=222)				Long stayers (n=222)			
	Univariable regression β (95% CI) p-value		Multivariable regression β (95% CI) p-value		Univariable regression β (95% CI) p-value		Multivariable regression β (95% CI) p-value	
Constant	0.47 (0.41 – 0.53)	<0.001	0.54 (0.37 – 0.70)	<0.001	0.46 (0.34 – 0.58)	<0.001	0.76 (0.61 – 0.90)	<0.001
Intervention group	0.06 (-0.02 – 0.13)	0.156	0.03 (-0.3 – 0.9)	0.363	0.003 (-0.12 – 0.13)	0.966	-0.05 (-0.15 – 0.05)	0.310
Time (reference: discharge)								
1 month	0.05 (0.003 – 0.09)	0.037	0.05 (0.00 – 0.09)	0.040	-0.09 (-0.19 – 0.1)	0.086	-0.08 (-0.18 – 0.02)	0.310
6 months	0.002 (-0.04 – 0.05)	0.925	0.001 (-0.04 – 0.05)	0.954	-0.08 (-0.118 – 0.02)	0.138	-0.08 (-0.18 – 0.03)	0.140
12 months	-0.03 (-0.09 – -0.01)	0.146	-0.03 (-0.08 – 0.01)	0.124	-0.17 (-0.28 – -0.07)	0.001	-0.17 (-0.27 – -0.07)	0.001
Study ward 1	-0.16 (-0.25 – 0.13)	0.117		NS	-0.11 (-0.29 – 0.06)	0.206		NS
Age when included ^a	-0.01 (-0.02 – -0.01)	0.001		NS	-0.004 (-0.02 – 0.01)	0.362		NA
Sex Female	-0.05 (-0.13 – 0.03)	0.225		NS	-0.08 (-0.21 – 0.04)	0.192		NS
Level of education >12 years	-0.01 (-0.09 – 0.07)	0.800		NA	0.12 (0.00 – 0.24)	0.049		NS
Home-dwelling before included	0.27 (-0.09 – 0.44)	0.003	0.23 (0.08 – 0.38)	0.003	0.05 (-0.13 – 0.23)	0.593		NA
Living alone before included	-0.03 (-0.11 – 0.05)	0.417		NA	0.01 (-0.11 – 0.14)	0.903		NA
Home-care services	-0.26 (-0.33 – -0.19)	<0.001	-0.15 (-0.23 – -0.07)	<0.001	-0.20 (-0.32 – -0.08)	0.001		NS
Number of medications total ^a	-0.03 (-0.03 – -0.02)	<0.001	-0.02 (-0.02 – -0.01)	<0.001	-0.03 (-0.04 – -0.02)	<0.001	-0.02 (-0.03 – -0.01)	<0.001
Handling own medications	0.25 (0.18 – 0.32)	<0.001		NS	0.21 (0.09 – 0.32)	<0.001		NS
Multidose adherence aid	-0.26 (-0.34 – -0.18)	<0.001	-0.10 (-0.19 – -0.02)	0.014	-0.21 (-0.32 – -0.10)	<0.001	-0.13 (-0.24 – -0.03)	0.011
Hypertension	-0.02 (-0.10 – 0.06)	0.596		NA	0.06 (-0.06 – 0.18)	0.300		NA
Asthma or COPD	-0.08 (-0.16 – -0.01)	0.072		NS	-0.17 (-0.30 – -0.03)	0.017		NS
Atrial fibrillation	-0.05 (-0.14 – 0.04)	0.276		NA	0.003 (-0.13 – 0.14)	0.965		NA
Diabetes	-0.12 (-0.21 – -0.02)	0.017		NS	0.02 (-0.14 – 0.17)	0.826		NA
Heart failure	-0.08 (-0.20 – -0.03)	0.148		NS	-0.04 (-0.19 – 0.11)	0.600		NA
Renal failure	0.02 (-0.10 – 0.13)	0.753		NA	-0.06 (-0.20 – 0.08)	0.408		NA
Anxiety / depression	-0.14 (-0.28 – -0.01)	0.032		NS	-0.16 (-0.35 – -0.04)	0.117		NS
Dementia	-0.11 (-0.33 – 0.11)	0.316		NA	-0.20 (-0.44 – -0.04)	0.103		NS
Charlson Comorbidity Index ^b	-0.03 (-0.05 – -0.02)	0.001		NS	-0.03 (-0.07 – -0.00)	0.090		NS

^a Continuous variable

^b Tested in a separate model from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; CI, confidence interval; β, regression coefficient; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.

Table S9 Results of univariable and final multivariable mixed model regressions of EQ-5D VAS for the non-long stayers (n=222) and long stayers (n=63)

	Non-long stayers (n=222)				Long stayers (n=222)			
	Univariable regression		Multivariable regression		Univariable regression		Multivariable regression	
	coefficient (95% CI)	p-value	coefficient (95% CI)	p-value	coefficient (95% CI)	p-value	coefficient (95% CI)	p-value
Constant	56.37 (52.84 – 59.91)	<0.001	103.18 (76.06 – 130.30)	<0.001	53.67 (46.80 – 60.55)	<0.001	68.65 (59.41 – 77.89)	<0.001
Intervention group	3.82 (-0.74 – 8.39)	0.101	4.02 (0.11 – 7.93)	0.044	1.44 (-6.39 – 9.26)	0.719	1.39 (-8.28 – 5.49)	0.692
Time (reference: discharge)								
1 month	3.01 (0.24 – 5.77)	0.033	2.56 (-0.21 – 5.33)	0.070	-3.02 (-9.25 – 3.19)	0.340	-3.70 (-9.89 – 2.50)	0.242
6 months	3.18 (0.33 – 6.03)	0.029	2.58 (-0.26 – 5.43)	0.075	-0.11 (-6.74 – 6.52)	0.973	-0.77 (-7.35 – 5.80)	0.817
12 months	1.87 (-1.12 – 4.86)	0.219	1.07 (-1.93 – 4.06)	0.485	-1.02 (-8.27 – 6.22)	0.782	-1.51 (-8.69 – 5.68)	0.681
Study ward 1	-9.58 (-14.61 – -4.55)	<0.001	-7.19 (-11.85 – -2.54)	0.002	-11.81 (-21.29 – -2.33)	0.015		NS
Age when included ^a	-0.67 (-1.03 – -0.30)	<0.001	-0.38 (-0.72 – -0.03)	<0.001	-0.52 (-1.12 – -0.07)	0.084		NS
Sex Female	-3.50 (-8.16 – -1.16)	0.141		NS	1.63 (-6.13 – 9.39)	0.680		NA
Level of education >12 years	-0.97 (-5.65 – 3.70)	0.684		NA	10.12 (2.88 – 17.38)	0.006		NS
Home-dwelling before included	6.13 (-6.23 – 18.48)	0.331		NA	3.66 (-7.30 – 14.61)	0.513		NA
Living alone before included	-3.44 (-8.04 – -1.16)	0.143		NS	-3.71 (-11.23 – 3.82)	0.334		NA
Home-care services	-9.78 (-14.19 – -5.37)	<0.001		NS	-11.66 (-18.61 – -4.72)	0.001	-8.89 (-15.74 – -2.05)	0.011
Number of medications total ^a	-1.24 (-1.62 – -0.87)	<0.001	-1.16 (-1.52 – -0.81)	<0.001	-1.11 (-1.76 – -0.46)	0.001	-0.85 (-1.50 – -0.21)	0.010
Handling own medications	8.14 (3.63 – 12.66)	<0.001		NS	9.29 (1.94 – 16.65)	0.013		NS
Multidose adherence aid	-10.62 (-15.60 – -5.65)	<0.001		NS	-10.90 (-18.49 – -3.31)	0.005		NS
Hypertension	0.81 (-3.77 – 5.38)	0.730		NA	2.26 (-5.21 – 9.73)	0.554		NA
Asthma or COPD	-1.75 (-6.69 – 3.18)	0.486		NA	-6.66 (-14.68 – -1.36)	0.104		NS
Atrial fibrillation	-3.85 (-9.01 – -1.32)	0.144		NS	-3.38 (-12.40 – 5.64)	0.463		NA
Diabetes	-5.24 (-10.78 – -0.29)	0.063		NS	1.83 (-7.72 – 11.38)	0.707		NA
Heart failure	-8.38 (-15.21 – -1.54)	0.016		NS	-5.03 (-14.19 – 4.14)	0.282		NA
Renal failure	-0.34 (-6.84 – 6.16)	0.919		NA	-1.88 (-10.79 – 7.04)	0.680		NA
Anxiety / depression	-5.68 (-13.89 – -2.53)	0.175		NS	-3.69 (-16.01 – 8.63)	0.557		NA
Dementia	0.51 (-15.13 – 16.14)	0.949		NA	-5.54 (-26.33 – 15.24)	0.601		NA
Charlson Comorbidity Index ^b	-1.24 (-2.37 – -0.13)	0.029		NS	-0.41 (-2.74 – 1.91)	0.728		NA

^a Continuous variable

^b Tested in a separate model from other comorbidities.

Abbreviations: COPD, Chronic Obstructive Pulmonary Disease; CI, confidence interval; β, regression coefficient; NS, not significant in multivariate regression; NA, not applicable based on univariate regression.