

Table 1 – Socio-economic and health characteristics of the patients

Variables	No. patients (%)
Age (years)	85.5 (5.8)†
Gender	
Male	57 (20.5%)
Female	221 (79.5%)
Marital status	
Single / widowed / separated / divorced	200 (71.9%)
Married / living together	78 (28.1%)
With children	
Yes	218 (78.4%)
No	60 (21.6%)
Source of admission	
With family or others	159 (57.2%)
Care home or mental health facility	62 (22.3%)
Home alone	57 (20.5%)
Level of social isolation	
Low risk	144 (51.8%)
Moderate risk	49 (17.6%)
High risk	39 (14.0%)
Socially isolated	46 (16.6%)
Educational level	
No formal education / primary schooling	179 (64.4%)
Secondary schooling / university	99 (35.6%)
Net monthly income	
Less than €500	162 (58.3%)
Between €500 and €1,000	65 (23.4%)
Above €1,000	51 (18.3%)
Mini-Mental State Examination	
With a cognitive impairment	78 (28.1%)
Without a cognitive impairment	200 (71.9%)
Charlson co-morbidity index	0.9 (1.1)†
Dementia	53 (19.1%)
Had a hospital admission in the last 12 months	83 (29.9%)
Fell at least once in the previous year	133 (47.8%)
Functional status at admission	
Completely independent or light dependency	236 (84.9%)
Moderate dependency	27 (9.7%)
Severe or total dependency	15 (5.4%)
Number of days waiting for surgery	4.1 (3.4)†
Intended discharge destination	
Another hospital / health care facility / nursing or residential home	96 (34.5%)
Referred to a public-funded rehabilitation unit	22 (7.9%)
Home	160 (57.6%)

†The data presented refers to mean and standard deviation

Table 2 – Logistic regression model on the occurrence of delayed discharge

	OR (95% CI)	
	Univariate model	Multivariate model
Source of admission		
Own home	Reference	Reference
Care home or mental health facility	0.19 (0.07-0.54)	0.17 (0.05-0.55)
Level of social isolation		
Low risk	Reference	Reference
Moderate risk	1.02 (0.45-2.27)	1.39 (0.57-3.38)
High risk or socially isolated	1.47 (0.78-2.76)	3.47 (1.58-7.63)
Intended discharge destination		
Other	Reference	Reference
Public-funded rehabilitation unit	9.53 (3.68-24.67)	7.57 (2.78-20.61)
Age (in years)	1.01 (0.96-1.06)	1.02 (0.97-1.08)
Gender		
Female	Reference	Reference
Male	1.17 (0.96-1.06)	0.92 (0.43-1.96)
Dementia		
No record of dementia	Reference	Reference
Having dementia	0.39 (0.16-0.95)	0.29 (0.10-0.85)
Number of observations		278
Akaike Information Criterion		265.60
Bayesian Information Criterion		294.62
Pseudo R ²		0.15

Table 3 – Negative binomial (mean dispersion parameter) regression model on the number of days of delayed discharge

	IRR (95% CI)		Days (95% CI)
	Univariate model	Multivariate model	Multivariate model
Source of admission			
Own home	Reference	Reference	Reference
Care home or mental health facility	0.03 (0.01-0.10)	0.04 (0.02-0.13)	-5.51 (-9.13 to -1.88)
Level of social isolation			
Low risk	Reference	Reference	Reference
Moderate risk	1.35 (0.42-4.31)	2.37 (1.05-5.37)	1.53 (-0.52 to 3.31)
High risk or socially isolation	2.11 (0.77-5.76)	4.36 (2.09-9.10)	2.61 (0.48 to 4.74)
Intended discharge destination			
Other	Reference	Reference	Reference
Public-funded rehabilitation unit	20.44 (10.03- 41.66)	15.51 (7.66-31.38)	4.86 (1.70 to 8.03)
Age	0.95 (0.88-1.03)	1.04 (0.99-1.10)	0.08 (-0.03 to 0.18)
Gender			
Female	Reference	Reference	Reference
Male	2.03 (0.66-6.28)	1.07 (0.43-2.66)	0.12 (-1.49 to 1.73)
Dementia			
No record of dementia	Reference	Reference	Reference
Having dementia	0.42 (0.12-1.50)	0.41 (0.13-1.29)	-1.60 (-3.60 to 0.39)
Number of observations		278	
Akaike Information Criterion		568.31	
Bayesian Information Criterion		600.95	

Table 4 – Costs incurred by patients waiting for a bed in a public rehabilitation unit while in a temporary setting (n=19) (Euros, 2013)

Resource use	Total number of days	Total equipment/trips	Average daily cost	Total cost
Nursing or residential home	572	-	€49	€28,208
Private rehabilitation unit	177	-	€181	€31,961
Domiciliary care services	301	-	€3	€822
Walking frame	-	3	€40	€120
Adjustable bed	-	1	€700	€700
Bath chair	-	1	€110	€110
Transport	-	4	€30	€120
Formal care	144	-	€22	€3,886
Informal care	492	-	€28	€14,896
Total	-	-	-	€80,824