

Table 1. Characteristics of the contacts, hospital, and care process according to the hospital- at-home modality.

	Admission avoidance (n=7,214)		Early discharge (n=2,387)		p
	N	%	n	%	
Mean age in years (SD)	69.9 (17.2)		69.6 (16.8)		0.309
Sex					0.013
Male	3,800	52.7	1,327	55.6	
Female	3,414	47.3	1,060	44.4	
Diagnostic group					<0.001
Respiratory system diseases	2,440	33.8	780	32.7	
Genitourinary system diseases	976	13.5	412	17.3	
Circulatory system diseases	1,030	14.3	234	9.8	
Osteomioarticular and connective tissue system diseases	747	10.4	137	5.7	
Lesions and intoxications	499	6.9	250	10.5	
Digestive tract diseases	470	6.5	268	11.2	
Skin and subcutaneous tissue diseases	363	5.0	79	3.3	
Neoplasms	247	3.4	53	2.2	
Central nervous system and sense organ diseases	131	1.8	62	2.6	
Badly defined symptoms, signs, and conditions	138	1.90	46	1.9	
Endocrine, nutritional and metabolic diseases, and immunity disorders	106	1.5	42	1.8	
Blood and hematopoietic organ diseases	67	0.9	24	1.0	
Comorbidity (Charlson Index)					0.626
0 or 1	4,479	62.1	1,477	61.9	
2	1,168	16.2	405	17.0	
>=3	1,567	21.7	505	21.2	
Type of hospital					<0.001
Reference hospital	2,673	37.1	534	22.4	
District hospital	2,322	32.2	738	30.9	
High-technology general hospital	1,029	14.3	608	25.5	
High-resolution reference hospital	1,190	16.5	507	21.2	
Number of contacts per patient					0.254
1	5,383	74.6	1,809	75.8	
>1	1,831	25.4	578	24.2	

n: number of contacts; %: percentage of contacts; SD: standard deviation.

p: p value obtained with Chi-squared test and Fisher's test for categorical variables, and Mann Whitney U for age.

Table 2. Readmission, mortality, and mean length of stay according to the hospital-at-home modality.

	Admission avoidance (n=7,214)		Early discharge (n=2,387)		P valor
	n	%	n	%	
Readmission					0.524
No	6,613	91.67	2,198	92.08	
Yes	601	8.33	189	7.92	
Mortality prior to discharge					0.040
No exitus	7,146	99.06	2,375	99.50	
Exitus	68	0.94	12	0.50	
Mean contact stay (SD) in days	9.6 (10.6)		9.8 (11.1)		0,059
Total days of stay	68,934		23,460		

n: number of contacts; %: percentage of contacts; SD: standard deviation.

p: p value obtained with the chi-squared test and Fisher's test for categorical variables, and Mann Whitney *U* for median length of stay.

Table 3. Factors related to readmission, mortality, and median length of stay according to the hospital-at-home modality.

	Readmission				Mortality prior to discharge				Median length of stay			
	n	%	exp(β) (CI95%)	p	N	%	exp(β) (CI95%)	p	mean	SD	exp(β) (CI95%)	p
Admission avoidance												
Sex												
Male	302	8.0	1.00		37	1.0	1.00		9.9	11.3	1.00	
Female	299	8.8	1.17 (0.99-1.39)	0.065	31	0.9	0.87 (0.53-1.44)	0.582	9.1	9.8	0.94 (0.92-0.96)	<0.001
Charlson Index												
0 or 1	304	6.8	1.00		28	0.6	1.00		8.8	10.0	1.00	
2	108	9.3	1.22 (0.97-1.55)	0.083	16	1.4	1.67 (0.90-3.11)	0.106	10.6	12.3	1.20 (1.18-1.22)	<0.001
>=3	189	12.1	1.69 (1.39-2.07)	<0.001	24	1.5	1.89 (1.08-3.31)	0.027	10.8	10.6	1.26 (1.24-1.28)	<0.001
Type of hospital												
Reference hospital	156	5.8	1.00		15	0.6	1.00		9.6	10.4	1.00	
District hospital	217	9.4	1.48 (1.19-1.83)	<0.001	28	1.2	1.54 (0.81-2.91)	0.182	7.1	5.7	0.74 (0.72-0.75)	<0.001
High-technology general hospital	106	10.3	1.62 (1.25-2.11)	<0.001	8	0.8	1.01 (0.43-2.40)	0.975	11.7	11.4	1.19 (1.17-1.22)	<0.001
High-resolution hospital	122	10.3	1.76 (1.37-2.27)	<0.001	17	1.4	2.11 (1.04-4.27)	0.037	12.4	15.5	1.30 (1.27-1.33)	<0.001
Age			1.02 (1.01-1.02)	<0.001			1.07 (1.05-1.10)	<0.001			1.00 (1.00-1.00)	<0.001
Early discharge												
Sex												
Male	117	8.8	1.00		5	0.4	1.00		9.8	8.7	1.00	
Female	72	6.8	0.82 (0.60-1.12)	0.212	7	0.7	1.23 (0.34-4.04)	0.729	9.9	13.5	1.06 (1.04-1.09)	<0.001
Charlson Index												
0 or 1	93	6.3	1.00		8	0.5	1.00		9.7	10.8	1.00	
2	46	11.4	1.70 (1.16-2.45)	0.006	3	0.7	1.04 (0.27-3.99)	0.954	9.8	12.3	1.00 (0.97-1.05)	0.596
>=3	50	9.9	1.52 (1.05-2.21)	0.028	1	0.2	0.28 (0.03-2.29)	0.235	10.2	11.1	1.07 (1.03-1.10)	<0.001
Type of hospital												
Reference hospital	18	3.4	1.00		2	0.4	1.00		9.4	9.1	1.00	
District hospital	52	7.1	2.24 (1.29-3.88)	0.004	4	0.5	1.30 (0.24-7.21)	0.761	8.7	13.0	0.92 (0.89-0.95)	<0.001
High-technology general hospital	68	11.2	3.60 (2.10-6.16)	<0.001	2	0.3	1.27 (0.17-9.21)	0.814	13.0	12.1	1.37 (1.32-1.42)	<0.001
High-resolution hospital	51	10.1	3.20 (1.84-5.56)	<0.001	4	0.8	2.24 (0.40-12.40)	0.356	8.1	7.4	0.86 (0.82-0.89)	<0.001
Age			1.01 (1.00-1.02)	0.204			1.11 (1.04-1.20)	0.002			1.00 (1.00-1.00)	0.002

n: number of contacts with a positive indicator; % percentage of contacts with a positive indicator; mean: mean of duration of days of contact.

SD: standard deviation.

exp(β) (CI95%): coefficient exponential of the multivariate regression model and 95% confidence Interval adjusted by hospital at home modality, sex, age, comorbidity (Charlson index), and type of hospital; p: p value based on multivariate model.