

Substitutive Hospital at Home for Older Persons

■ **eAppendix Table 1.** Study Subject Characteristics

Variable	Intent-to-Treat Analysis		As-Treated Analysis During the Intervention Period	
	Observation (n = 286)	Intervention (n = 169)	Hospital (n = 85)	Hospital at Home (n = 84)
Male sex, %	57.7	65.7	63.5	67.9
White race/ethnicity, %	89.9	85.8	84.7	86.9
Lives in poverty, %	10.7	19.1 ^a	15.1	21.8
Lives alone, %	43.9	32.9 ^a	31.3	34.5
Any activities of daily living limitation at baseline, %	43.5	44.7	36.8	50.0
Any Instrumental Activities of Daily Living limitation at baseline, %	64.8	63.8	56.1	69.1
Do not resuscitate, %	16.4	16.6	20.0	13.1
Fair or poor self-reported health status, %	44.5	40.7	44.6	38.1
Age, mean (SD), y	77.3 (6.6)	77.2 (7.0)	77.0 (7.3)	77.3 (6.7)
No. of comorbidities, mean (SD)	5.8 (2.7)	5.9 (2.5)	5.6 (2.5)	6.2 (2.5)
Charlson score, mean (SD)	3.1 (2.0)	3.0 (1.8)	2.7 (1.6)	3.4 (1.9) ^a
APACHE II score, mean (SD)	12.6 (3.9)	11.6 (3.4) ^a	11.6 (3.3)	11.6 (3.5)

APACHE indicates Acute Physiology and Chronic Health Evaluation.
^a $P \leq .05$.

■ **eAppendix Table 2.** Inflation-Adjusted Costs by Site According to Components of Costs in the Intent-to-Treat Analysis^a

Variable	Cost, Mean (SD), \$	
	Observation	Intervention
Total	5126 (4038)	3664 (4321)
Components of Total Costs		
Emergency department	301 (230)	339 (382)
Room	2325 (2194) ^b	145 (917)
Skilled nursing	0	1211 (785)
Medications	483 (505)	454 (521)
Laboratory tests and procedures	960 (1125) ^c	261 (575)
Other hospital charges	1057 (1250)	1254 (2408)

^aVariables controlled for in the model include age, living alone, and Acute Physiology and Chronic Health Evaluation II score.
^b $P \leq .01$.
^c $P \leq .001$.

■ **eAppendix Table 3.** Utilization by Condition During 8 Weeks Following Index Hospitalization

Variable	No. of Visits or Events, Mean (SD)							
	Pneumonia		Congestive Heart Failure		Chronic Obstructive Pulmonary Disease		Cellulitis	
	Observation (N = 89)	Intervention (N = 54)	Observation (N = 71)	Intervention (N = 37)	Observation (N = 92)	Intervention (N = 48)	Observation (N = 34)	Intervention (N = 30)
Emergency department	0.22 (0.62)	0.24 (0.58)	0.33 (0.93)	0.11 (0.39)	0.17 (0.48)	0.19 (0.45)	0.18 (0.46)	0.37 (0.85)
Skilled nursing	0.09 (0.39)	0.19 (0.55)	0.13 (0.41)	0.22 (0.48)	0.08 (0.31)	0.10 (0.42)	0.53 (0.83)	0.23 (0.57)
Hospital at Home	1.47 (3.05)	1.74 (3.25)	2.38 (4.19)	1.49 (2.10)	1.64 (3.45)	1.17 (2.26)	1.85 (3.10)	3.2 (10.6)
Hospital	0.12 (0.36)	0.20 (0.53)	0.38 (0.64)	0.46 (0.65)	0.36 (0.69)	0.31 (0.59)	0.26 (0.57)	0.1 (0.31)