

Table S2 Characteristics of patients lost to follow-up (excluding deaths) and with complete follow-up for pre-intervention, intervention, and control groups

	Within hospital comparison ¹				Between hospital comparison ²			
	Baseline N=143 (pre-intervention)		PReCaP N=959 (post-intervention)		Controls N=540		PReCaP N=699	
	LFU n=60	Complete FU n=56	LFU n=238	Complete FU N= 572	LFU n=140	Complete FU n=312	LFU n=160	Complete FU n=435
Age , mean(sd)	79.0(7.9)	76.5(7.0)	80.0(7.7)	79.5(7.3)	79(7.8)	78(7.0)	78(7.4)	79(7.3)
Sex, men , n(%)	29(48)	28(50)	82(35)	210(37)	38(27)	118(38)	62(39)	174(40)
Married/living together , n(%)	31(52)	29(52)	92(39)	242(43)	58(42)	128(41)	69(43)	204(47)
Living independently alone , n(%)	25(42)	24(43)	110(46)	296(52)	57(41)	164(53)	71(44)	211(49)
Living independently with others , n(%)	33(55)	28(50)	99(42)	237(42)	63(45)	130(42)	77(48)	203(47)
Length of admission(days) , mean(sd)	8.2(6.2)	6.4(4.5)	8.9(7.2)	8.7(7.8)*	8.5 (9.4)	6.7(6.3)	8.3(6.9)	8.3(8.3)
Two or more illnesses , n(%)	44(73)	38(68)	105(86)	249(87)	69(82)	184(87)	78(84)	215(87)
ISAR-HP³ Score								
Score=1, n(%)	17(28)	20(36)	42(18)	122(21)	35(25)	76(24)	37(23)	111(26)
Score=2, n(%)	8(13)	13(23)	31(13)	97(17)	20(14)	58(19)	26(16)	85(20)
Score=3, n(%)	8(13)	9(16)	38(16)	98(17)	25(18)	73(23)	26(16)	75(17)
Score=4, n(%)	19(32)	9(16)	71(30)	160(28)	39(28)	71(23)	40(25)	104(24)
Score=5, n(%)	8(13)	5(9)	56(24)	95(17)	21(15)	34(11)	31(19)	60(14)
Katz-6⁴ pre-admission , mean(sd)	-	-	-	-	5.3(1.1)	5.3(1.1)	5.2(1.2)	5.4(1.0)
Katz-6 during admission , mean(sd)	4.9(1.5)	5.1(1.2)	4.3(1.7)	4.7(1.6)	4.6(1.7)	4.8(1.5)	4.7(1.6)	4.9(1.4)
Lawton⁵ pre-admission , mean(sd)	-	-	-	-	5.6(1.8)	5.9(1.7)	5.3(1.9)	5.9(1.7)
Lawton during admission , mean(sd)	5.4(1.7)	5.3(2.2)	4.4(2.0)	5.1(1.8)	4.9(1.8)	5.1(1.9)	4.6(1.9)	5.2(1.8)
HRQoL⁶								
EQ5D⁷ , mean(sd)	0.62(0.3)	0.65(0.3)	0.60(0.3)	0.63(0.3)	0.59(0.3)	0.63(0.3)	0.63(0.3)	0.66(0.3)
SF-20⁸-physical functioning , mean(sd)	43(31)	44(29)	43(31)	49(30)	44(29)	48(29)	45(30)	50(30)
SF-20-role functioning , mean(sd)	39(44)	44(29)	27(39)	37(44)	28(39)	36(42)	32(41)	39(44)
SF-20-social functioning , mean(sd)	69(40)	66(40)	63(35)	65(33)	59(32)	62(35)	65(37)	66(34)
SF-20-mental health , mean(sd)	72(25)	73(18)	69(20)	72(20)	68(21)	71(20)	72(19)	73(20)
SF-20-current health perceptions , mean(sd)	41(26)	40(28)	38(24)	37(23)	32(22)	37(24)	37(24)	36(23)
SF-20-physical pain , mean(sd)	44(45)	52(45)	59(42)	62(40)	64(38)	63(39)	64(40)	63(40)
MMSE(short)⁹ , mean(sd)	20(2.6)	20(2.5)	19(2.7)	20(2.2)	19(2.8)	20(2.2)	19(2.7)	20(2.2)
GDS-15¹⁰ , mean(sd)	-	-	-	-	4.0(2.9)	3.3(2.7)	3.3(2.4)	3.4(2.7)
Falling during 6 months before T0								
In home environment, n(%)	11(18)	9(16)	88(38)	195(34)	52(38)	93(30)	49(31)	129(30)
Outside home environment, n(%)	13(22)	9(16)	51(22)	109(19)	24(18)	69(22)	33(21)	84(20)
Hospital admission year before T0, n(%)	3(5)	1(2)	61(26)	176(31)	48(36)	105(34)	47(30)	143(33)

* one outlier (length of stay 129 days) was excluded from LFU analysis; ¹within hospital comparison compares patients from the baseline study (pre-implementation of the PReCaP) with patients treated with the PReCaP (post implementation) ² between hospital comparison concerns the comparison between PReCaP patients and control patients; data from control hospitals are pooled and analysis is performed on patients from cardiology and internal medicine departments to control for initial case mix differences; ³ ISAR-HP = Identification Seniors At Risk-Hospitalized Patients, score 0-5, with higher score reflecting higher risk of functional decline; ⁴ADL = activities of daily living measured by the Katz-6, score 0 to 6 with higher scores reflecting higher independence;

⁵IADL= instrumental activities of daily living measured by the Lawton-Brody IADL index, score 0 to 8, with higher scores reflecting higher independence; ⁶HRQoL = health-related quality of life; ⁷EuroQOL, score 0-1, with higher score reflecting higher HRQoL; ⁸SF-20 = short-form 20, score 0-100 with higher scores reflecting better HRQoL, except for physical pain, which is reversed; ⁹MMSE = Mini Mental State Examination (short version), score 0-23, with higher score reflecting better cognitive functioning; ¹⁰GDS-15 = Geriatric Depression Scale-15, score 0 to 15, with higher scores reflecting more symptoms of depression;