

Location, Location, Location: Characteristics and Services of Long-Stay Home Care Recipients in Retirement Homes Compared to Others in Private Homes and Long-Term Care Homes

Tout est une question d'emplacement : caractéristiques et services pour les bénéficiaires de soins à domicile de longue durée dans les maisons de retraite en comparaison aux autres résidences privées et aux foyers de soins de longue durée

JEFFREY W. POSS, CHI-LING JOANNA SINN, GALINA GRINCHENKO, JANE BLUMS, TOM PEIRCE AND JOHN HIRDES

Appendix 1. Characteristics by age 65–79 and 80+

PH, RH and LTCH (equivalent to Table 1)

	Age 65–79					Age 80+				
	PH	RH	LTCH	p-value PH vs. RH	p-value RH vs. LTCH	PH	RH	LTCH	p-value PH vs. RH	p-value RH vs. LTCH
N	4,473	410	2,165	–	–	7,795	2,301	8,125	–	–
Median days on service (at time of assessment)	198	301	463	–	–	326	384	555	–	–
Mean age	73.6	74.5	73.8	<0.0001	0.0030	87.3	89.0	88.4	<0.0001	<0.0001
Female	59.9%	59.3%	59.9%	0.8188	0.8230	66.7%	72.8%	75.3%	<0.0001	0.0130
Married	54.0%	17.1%	35.6%	<0.0001	<0.0001	35.9%	18.3%	21.9%	<0.0001	<0.0001
Widowed	25.5%	44.6%	31.3%	<0.0001	<0.0001	57.1%	74.2%	67.5%	<0.0001	<0.0001
Diagnoses	15.1%	29.3%	56.3%	<0.0001	<0.0001	23.3%	32.2%	68.5%	<0.0001	<0.0001
Dementia										
Stroke	20.3%	29.5%	24.9%	<0.0001	0.0628	17.6%	19.1%	20.8%	0.087	0.0706
Heart failure	11.7%	12.2%	8.0%	0.7725	0.0055	15.2%	16.1%	12.9%	0.262	<0.0001
Any psychiatric diagnosis	24.3%	39.8%	47.1%	<0.0001	0.0049	13.1%	18.4%	35.9%	<0.0001	<0.0001

	Age 65–79					Age 80+				
	PH	RH	LTCH	p-value PH vs. RH	p-value RH vs. LTCH	PH	RH	LTCH	p-value PH vs. RH	p-value RH vs. LTCH
Cognitive Performance Scale										
0 (intact)	48.0%	22.4%	13.8%	<0.0001	<0.0001	37.1%	22.0%	9.4%	<0.0001	<0.0001
1	15.2%	17.1%	12.2%			17.1%	17.4%	8.7%		
2	25.7%	43.9%	14.3%			32.4%	45.5%	16.9%		
3–6	11.0%	16.6%	59.8%			13.4%	15.2%	65.0%		
Activities of daily living hierarchy										
0 (independent)	53.4%	39.3%	2.8%	<0.0001	<0.0001	51.9%	40.6%	3.1%	<0.0001	<0.0001
1–2	28.3%	40.0%	17.4%			31.3%	40.5%	5.4%		
3–6	18.3%	20.7%	79.9%			16.7%	18.9%	91.5%		
Wheelchair primary means of locomotion indoors	12.5%	18.5%	56.3%	0.0005	<0.0001	6.2%	14.6%	57.3%	<0.0001	<0.0001
Fall in last 90 days*	39.9%	39.3%	32.9%	0.8075	0.0123	41.2%	45.2%	38.6%	0.0007	<0.0001
CHESS [‡] 2+	45.8%	34.4%	17.0%	<0.0001	<0.0001	46.6%	44.7%	21.6%	0.1130	<0.0001
Daily pain	65.2%	52.2%	13.7%	<0.0001	<0.0001	61.9%	54.7%	12.3%	<0.0001	<0.0001
Bladder incontinence daily	24.2%	38.1%	63.5%	<0.0001	<0.0001	28.0%	38.5%	68.1%	<0.0001	<0.0001
Depression Rating Scale 3+	17.9%	17.3%	39.0%	0.7737	<0.0001	12.7%	11.3%	38.0%	0.0691	<0.0001
Wandering, easily altered	1.5%	2.4%	9.0%	0.3088	<0.0001	1.4%	3.3%	11.6%	<0.0001	<0.0001
Wandering, not easily altered	0.6%	0.7%	9.5%			0.5%	0.6%	8.4%		
Any aggressive behaviour, easily altered	4.5%	7.3%	21.4%	0.0043	<0.0001	5.0%	6.0%	20.4%	0.0809	<0.0001
Any aggressive behaviour, not easily altered	2.4%	3.9%	31.2%			2.7%	3.1%	29.7%		
9 or more meds in last 7 days	60.2%	63.9%	67.2%	0.1404	0.1682	55.0%	66.4%	64.0%	<0.0001	0.0401
Antipsychotics	11.4%	26.3%	39.6%	<0.0001	<0.0001	5.9%	11.1%	29.2%	<0.0001	<0.0001
Anxiolytics	19.1%	26.1%	19.3%	0.0007	0.0016	13.3%	17.3%	12.6%	<0.0001	<0.0001
Antidepressants	32.8%	48.3%	59.3%	<0.0001	<0.0001	22.6%	29.8%	49.8%	<0.0001	<0.0001
Any of these 3 medications	45.7%	65.6%	76.0%	<0.0001	<0.0001	33.4%	43.6%	64.5%	<0.0001	<0.0001

CHESS = changes in health, end-stage, signs and symptoms; LTCH = long-term care home; PH = private home; RH = retirement home. *In long-term care: fall in last 180 days. †Scores of 2 or more represent notable health instability.

Location, Location, Location

Additional characteristics for PH and RH (equivalent to Table 2)

	Age 65–79			Age 80+		
	PH	RH	p-value PH vs. RH	PH	RH	p-value PH vs. RH
Informal caregiver co-resides, is spouse	48.7%	8.3%	<0.0001	28.3%	8.8%	<0.0001
Informal caregiver co-resides, other than spouse	17.2%	4.4%		26.0%	4.3%	
Informal caregiver, but does not co-reside	32.0%	81.2%		44.8%	85.8%	
No informal caregiver	2.2%	6.1%		0.9%	1.0%	
Mean informal care hours/week	21.2	7.8	<0.0001	21.5	8.6	<0.0001
Caregiver distress*	26.9%	14.4%	<0.0001	29.2%	11.8%	<0.0001
Better off in another living environment						
Client or caregiver believes	16.3%	32.9%	<0.0001	22.1%	31.2%	<0.0001
Client alone believes	2.4%	5.6%		1.2%	1.4%	
Caregiver alone believes	7.8%	12.4%		12.5%	16.1%	
Both believe	6.2%	14.9%		8.3%	13.8%	
Waiting for long-term care home placement	2.9%	8.8%	<0.0001	4.9%	9.3%	<0.0001
No environmental issues (accessibility, safety, etc.)	72.6%	95.1%	<0.0001	72.2%	94.9%	<0.0001
Medic alert/electronic security alert	9.8%	25.4%	<0.0001	19.5%	36.5%	<0.0001
Poor self-rated health	25.8%	17.1%	<0.0001	18.2%	11.4%	<0.0001
Indicates that he/she feels lonely	9.5%	15.1%	0.0002	11.9%	12.0%	0.8232
No days out of house/building in a typical week	15.7%	20.2%	0.0176	19.9%	27.2%	<0.0001
Exercise therapy in last 7 days	16.4%	17.8%	0.4740	14.1%	22.2%	<0.0001
Received help by others (paid or informal) in last 7 days						
Meal preparation	85.2%	99.8%	<0.0001	86.7%	99.4%	<0.0001
Ordinary housework	94.7%	99.8%	<0.0001	96.5%	99.8%	<0.0001
Medication management	50.5%	89.0%	<0.0001	57.3%	84.3%	<0.0001
Received by a paid service/program in last 7 days						
Homemaking (any source)	16.3%	60.5%	<0.0001	23.9%	62.4%	<0.0001
Personal support (any source)	53.0%	78.5%	<0.0001	63.9%	80.7%	<0.0001
Personal support (home care through CCAC)	51.7%	71.7%	<0.0001	62.3%	73.3%	<0.0001
Nurse (any source)	28.5%	33.7%	0.0276	18.9%	31.9%	<0.0001
Nurse (home care through CCAC)	27.9%	16.6%	<0.0001	18.6%	13.0%	<0.0001
Daily nurse monitoring	6.1%	23.9%	<0.0001	3.0%	21.9%	<0.0001

	Age 65–79			Age 80+		
	PH	RH	p-value PH vs. RH	PH	RH	p-value PH vs. RH
Help by CCAC in 30 days after assessment						
Any PS	66.0%	83.7%	<0.0001	78.2%	87.0%	<0.0001
Mean hours per week of PS (among those receiving)	5.72	8.12	0.0241	6.10	6.55	0.1934
Mean visits of PS (among those receiving)	20.5	37.7	<0.0001	22.0	39.3	<0.0001
Mean minutes per PS visit (among those receiving)	74.4	47.2	<0.0001	71.6	41.8	<0.0001
Any nursing	37.3%	23.7%	<0.0001	27.5%	19.9%	<0.0001
Any physical therapy	27.8%	26.8%	0.6777	25.9%	29.5%	0.0007
Any occupational therapy	35.4%	25.1%	<0.0001	33.8%	27.3%	<0.0001

CCAC = Community Care Access Centres; PH = private home; PS = personal support; RH = retirement home. *Caregiver unable to continue, or expresses feelings of distress, anger or depression.