

**Table DS1** Diagnoses mentioned on discharge from hospital (N=274): longitudinal analysis of 730 men and women from the Scottish Dementia Research Interest Register

Diagnosis	Hospital admissions* N (%)
Dementia (including MCI)	146 (53.3)
Falls or collapse	42 (15.3)
Ischaemic heart disease	29 (10.6)
Urinary tract infection	28 (10.2)
Cataract	19 (6.9)
Senility	19 (6.9)
Stroke	13 (4.7)
Fracture	13 (4.7)
Pneumonia	8 (2.9)

\* This table displays the number of individuals who had any mention of these conditions on discharge. Thus, the right hand column does not total 274.

**Table DS2** Comparison of SDRIR registrants with complete data for all variables and those who were missing data for one or more variables: longitudinal analysis of 730 men and women from the Scottish Dementia Research Interest Register

		Complete data for all variables	Missing data in ≥1 variable	P
N		576	154	-
Age	mean (SD)	76.9 (8.0)	74.1 (8.7)	<0.001
Female	N (%)	268 (46.5)	81 (52.6)	0.18
Diagnosis	N (%)			
	<i>Early onset AD</i>	47 (8.2)	27 (17.5)	0.004
	<i>Late onset AD</i>	331 (57.5)	88 (57.1)	
	<i>Mixed</i>	92 (16.0)	16 (10.4)	
	<i>Vascular</i>	65 (11.3)	14 (9.1)	
	<i>Other<sup>1</sup></i>	41 (7.1)	9 (5.8)	
Vascular risk factors <sup>2</sup>	N (%)	305 (53.0)	71 (46.1)	0.13
Any comorbidity <sup>3</sup>	N (%)	307 (53.3)	96 (62.3)	0.05
No carers	N (%)	12 (2.1)	36 (23.4)	<0.001
Prescribed cholinesterase inhibitor	N (%)	440 (76.4)	104 (67.5)	0.03
Prescribed antipsychotic	N (%)	25 (4.3)	9 (5.8)	0.62
Prescribed potentially inappropriate medication <sup>4</sup>	N (%)	59 (10.2)	10 (6.5)	0.16
Mini-mental state examination	mean (SD)	21.2 (5.9)	22.1 (6.2)	0.16
Instrumental Activities of Daily Living Scale	mean (SD)	3.8 (2.2)	2.8 (2.7)	0.002
Physical Self-Maintenance Scale	mean (SD)	4.3 (1.9)	4.0 (2.3)	0.25
Neuropsychiatric Inventory (total)	mean (SD)	11.7 (15.1)	9.7 (16.8)	0.19
Neuropsychiatric Inventory (carer distress)	mean (SD)	6.7 (8.1)	4.5 (7.1)	0.002
Clinical Dementia Rating Scale (overall rating)	0 N (%)	3 (0.5)	22 (17.9)	<0.001
	0.5 N (%)	247 (42.9)	38 (30.9)	
	1 N (%)	231 (40.1)	30 (24.4)	
	2 N (%)	78 (13.5)	18 (14.6)	
	3 N (%)	17 (3.0)	15 (12.2)	
Clinical Dementia Rating Scale (sum of values)	mean (SD)	5.5 (3.6)	7.4 (5.2)	0.001

<sup>1</sup> 'Other dementia' comprises DLB, PDD, FTL, and other (not specified)

<sup>2</sup> Vascular risk factors include hypertension, hypercholesterolaemia, diabetes and smoking

<sup>3</sup> Comorbidity includes cancer, respiratory disease, and diabetes

<sup>4</sup> Potentially inappropriate medication according to updated Beers criteria (Campanelli et al. [2012] *J Am Geriatr Soc* 2012;60(4):616-31.)