

Supplementary table S2. Assessment of balance before and after matching: standardised mean differences

	Standardised mean difference, residential care homes		Standardised mean difference, nursing homes	
	Before matching	After matching	Before matching	After matching
Age, years	4.80	-7.01	-13.19	-8.92
Male	-2.14	4.35	12.31	4.42
White	-0.32	2.89	19.34	19.04
Charlson index, based on health conditions recorded in the 2 years prior to moving to the care home	0.06	4.17	13.03	3.65
Number of conditions linked to frailty recorded in 2 the years prior to moving to the care home	13.47	8.62	16.00	10.06
Anxiety or depression	3.83	6.36	-4.83	-13.57
Cognitive impairment	-1.56	3.93	18.85	8.32
Functional dependence	31.44	2.27	21.22	18.62
Fall or significant fracture	10.19	7.88	12.88	10.41
Incontinence	8.56	9.30	8.21	16.06
Mobility problems	2.80	1.17	3.14	-2.47
Pressure ulcers	-13.51	3.65	-21.24	-27.09
Other health conditions recorded in the 2 years prior to moving to the care home that were considered predictive of hospital readmission				
Metastatic cancer with solid tumour	NA	NA	6.74	6.17
Other malignant cancer	9.33	0.00	9.71	11.06
Chronic pulmonary disease	-11.98	11.58	3.25	6.16
Congestive heart failure	1.64	14.83	-10.64	-20.81
Dementia	4.90	4.92	18.81	7.13
Diabetes with chronic complications	NA	NA	3.62	0.00

Hemiplegia or paraplegia	NA	NA	-8.25	-2.76
Moderate or severe liver disease	NA	NA	NA	NA
Other liver disease	NA	NA	3.23	NA
Peripheral vascular disease	NA	NA	-0.29	0.00
Renal disease	NA	0.00	NA	NA
Hospital use prior to entering the care home				
Potentially avoidable emergency admissions in prior year	-12.08	5.77	-10.49	-6.11
Potentially avoidable emergency admissions in year before prior year	-13.32	2.43	-5.94	-3.10
Emergency admissions in prior year	-8.95	8.13	-11.04	-0.88
Emergency admissions in year before prior year	-4.48	8.86	-3.51	-2.47
A&E attendances in prior year	-28.11	-3.63	-33.05	-5.42
Hospital bed days in prior year	-15.44	-1.53	-1.06	3.83
Elective admissions in prior year	-9.57	12.79	-0.27	5.28
Outpatient attendances in prior year	18.34	21.22	5.27	10.11
Study start date	-1.66	-1.40	29.91	14.68
Care home characteristics				
Care home registered as caring for older people only	NA	0.00	3.12	0.00
Number of beds	-47.34	-3.20	NA	-14.62
Rural setting	25.08	6.93	48.99	31.92
IMD quintile 1 (most deprived)	NA	NA	0.00	0.00
IMD quintile 2	NA	NA	0.00	0.00
IMD quintile 3	-5.91	21.64	NA	NA
IMD quintile 4	NA	NA	66.07	7.24
IMD quintile 5 (least deprived)	75.89	35.37	-11.27	-6.12

*Note: SMDs are omitted if underlying frequencies are below 10 or the difference in frequencies between the intervention and matched control groups was less than 5.*