Supplementary File 2. Baseline characteristics (full list). Created by the authors

	People 65+ years living in households up to 6 people[a]			People 65+ years living in households of 2 people[a]		
	All	**Living Alone**	**Not living alone**	**All**	**Living with someone with frailty**	**Cohabitee not recorded as frail**
Total study population (65 years+)	4,876,285	1,464,379	3,411,906	2,459,937	255,312	2,204,625
Male	47.04%	34.02%	52.63%	52.44%	53.84%	52.28%
Age, median [IQR]	75 [70, 81]	79 [72, 85]	74 [69, 79]	74 [70, 80]	77 [71, 83]	74 [70, 80]
Number living in household, mean (SD)	2.02 (0.99)					
Ethnicity						
White	80.96%	83.06%	80.06%	82.85%	84.64%	82.64%
Mixed	0.23%	0.23%	0.23%	0.17%	0.16%	0.17%
Asian	2.55%	1.12%	3.16%	1.53%	1.38%	1.55%
Black	1.11%	1.11%	1.11%	0.66%	0.54%	0.67%
Other	0.62%	0.51%	0.67%	0.46%	0.40%	0.46%
Not stated/missing	14.52%	13.96%	14.76%	14.33%	12.88%	14.50%
Deprivation						
Quintile #5 (least deprived quintile)	23.37%	19.71%	24.94%	26.19%	24.52%	26.38%
Quintile #4	22.87%	20.89%	23.72%	24.45%	23.27%	24.59%
Quintile #3	21.29%	20.97%	21.43%	21.51%	21.22%	21.54%
Quintile #2	17.68%	19.63%	16.84%	16.08%	17.03%	15.96%
Quintile #1 (most deprived quintile)	14.80%	18.80%	13.08%	11.77%	13.95%	11.52%
Rural location	22.27%	19.08%	23.64%	25.04%	22.56%	25.32%
Region						
East Midlands	8.94%	8.70%	9.04%	9.57%	9.18%	9.62%

East of England	11.69%	11.34%	11.84%	12.23%	11.61%	12.30%
London	10.07%	10.04%	10.09%	7.51%	7.93%	7.46%
North East	5.51%	6.02%	5.28%	5.61%	6.03%	5.57%
North West	14.10%	14.65%	13.86%	13.85%	15.13%	13.70%
South East	17.00%	16.57%	17.19%	17.36%	17.04%	17.40%
South West	11.89%	11.58%	12.02%	12.66%	12.11%	12.72%
West Midlands	10.62%	10.45%	10.69%	10.61%	10.64%	10.61%
Yorkshire and The Humber	10.19%	10.65%	9.99%	10.59%	10.33%	10.62%
Diagnosis history (previous three years)						
No. frailty syndromes, mean (SD)[b]	0.36 (0.76)	0.51 (0.90)	0.30 (0.68)	0.29 (0.67)	0.40 (0.80)	0.28 (0.65)
No. Elixhauser conditions, mean (SD)[b]	2.07 (1.90)	2.30 (1.99)	1.97 (1.85)	1.95 (1.83)	2.22 (1.96)	1.92 (1.81)
Frailty (1+ frailty related syndrome)[b]	24.69%	32.72%	21.24%	21.05%	26.90%	20.37%
Multimorbidity (2+ Elixhauser conditions)[b]	53.83%	58.93%	51.64%	51.15%	57.09%	50.46%
History of mental ill health	21.19%	26.18%	19.05%	18.30%	22.27%	17.84%
History of serious mental ill health	0.72%	1.18%	0.52%	0.48%	0.60%	0.47%
Elixhauser conditions (previous three years)						
Alcohol abuse	2.70%	3.29%	2.45%	2.36%	2.69%	2.32%
Blood loss anaemia	0.12%	0.15%	0.10%	0.10%	0.12%	0.10%
Deficiency anaemia	5.50%	6.65%	5.01%	4.84%	5.95%	4.71%
Cardiac arrhythmias	18.93%	21.61%	17.77%	18.14%	21.53%	17.75%
Coagulopathy	0.90%	0.92%	0.90%	0.89%	0.95%	0.88%
Depression	5.89%	7.71%	5.11%	4.97%	6.46%	4.80%
Diabetes, complicated	2.12%	2.20%	2.09%	1.90%	2.24%	1.86%
Diabetes, uncomplicated	15.85%	16.04%	15.76%	14.84%	16.76%	14.62%

Drug abuse	0.11%	0.18%	0.09%	0.07%	0.10%	0.07%
Fluid/electrolyte disorders	7.44%	9.82%	6.42%	6.22%	7.96%	6.01%
Hypertension, complicated	0.25%	0.26%	0.24%	0.23%	0.25%	0.22%
Hypertension, uncomplicated	52.18%	55.71%	50.66%	50.42%	54.70%	49.93%
Hypothyroidism	8.37%	10.17%	7.60%	7.64%	8.40%	7.56%
Liver disease	2.30%	2.39%	2.26%	2.17%	2.33%	2.15%
Lymphoma	0.97%	0.88%	1.01%	1.03%	1.04%	1.03%
Obesity	7.88%	7.19%	8.18%	7.92%	8.12%	7.90%
Other neurological disorders	4.26%	4.64%	4.10%	4.11%	4.88%	4.02%
Peptic ulcer disease excl. bleeding	1.54%	1.63%	1.50%	1.46%	1.63%	1.44%
Psychoses	0.42%	0.76%	0.27%	0.24%	0.32%	0.23%
Pulmonary circulation disorders	1.85%	2.20%	1.71%	1.69%	1.86%	1.67%
Peripheral vascular disease	4.96%	5.41%	4.76%	4.78%	5.74%	4.66%
Renal failure	9.99%	12.51%	8.91%	8.90%	11.31%	8.62%
Rheumatoid arthritis / collagen vascular diseases	5.57%	6.30%	5.26%	5.38%	5.94%	5.31%
Solid tumour without metastasis	7.30%	6.62%	7.59%	7.78%	7.89%	7.77%
Valvular disease	6.90%	8.05%	6.40%	6.46%	7.72%	6.32%
Weight loss	2.54%	2.99%	2.34%	2.27%	2.96%	2.20%
Congestive heart failure	7.15%	8.99%	6.36%	6.24%	8.04%	6.04%
Chronic pulmonary disease	19.67%	21.65%	18.82%	18.49%	20.95%	18.21%
Hemiplegia or paraplegia	1.18%	1.34%	1.11%	1.05%	1.28%	1.03%
Metastatic solid tumour / metastatic cancer	2.07%	1.89%	2.15%	2.17%	1.99%	2.19%
Frailty syndromes (previous three years)						
Anxiety or depression	8.51%	10.93%	7.46%	7.36%	9.14%	7.16%
Cognitive impairment	7.14%	9.95%	5.93%	5.80%	8.52%	5.49%

Supplemental material

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Functional dependence	1.32%	2.27%	0.91%	0.89%	1.57%	0.81%
Fall or significant fracture	11.80%	17.11%	9.52%	9.54%	12.65%	9.18%
Incontinence	1.78%	2.44%	1.50%	1.45%	2.00%	1.38%
Mobility problems	4.24%	6.31%	3.35%	3.25%	4.80%	3.07%
Pressure ulcers	1.36%	2.14%	1.03%	1.00%	1.47%	0.94%
Other conditions predictive of emergency admissions (previous three years)						
Miscellaneous cognitive dysfunction	6.35%	8.73%	5.33%	5.21%	6.97%	5.01%
Cerebral vascular disease	6.73%	8.33%	6.04%	5.97%	7.44%	5.80%
Dementia	3.09%	3.96%	2.72%	2.63%	4.05%	2.47%
Myocardial infarction	9.19%	9.59%	9.02%	8.91%	10.89%	8.68%
Any hospital usage (previous 12 months)[b]						
A&E attendance[b]	34.50%	39.42%	32.38%	31.73%	36.68%	31.15%
Emergency admission[b]	24.39%	29.48%	22.20%	21.81%	26.26%	21.29%
Chronic ACS emergency admission[b]	3.61%	4.48%	3.24%	3.14%	4.00%	3.04%
Acute ACS emergency admission[b]	6.07%	7.62%	5.40%	5.22%	6.92%	5.03%
Rates of hospital usage (previous 12 months), mean (SD)						
A&E attendances	0.61 (1.27)	0.74 (1.50)	0.56 (1.16)	0.54 (1.14)	0.67 (1.30)	0.53 (1.11)
Emergency admissions	0.38 (0.88)	0.48 (1.01)	0.34 (0.81)	0.33 (0.80)	0.42 (0.93)	0.32 (0.79)
Chronic ACS emergency admissions	0.05 (0.28)	0.06 (0.32)	0.04 (0.26)	0.04 (0.26)	0.05 (0.29)	0.04 (0.25)
Acute ACS emergency admissions	0.08 (0.36)	0.10 (0.42)	0.07 (0.33)	0.06 (0.32)	0.09 (0.38)	0.06 (0.31)

[a]Study population consisted of all people aged 65 years or older, registered at GP practices in England on 1 December 2018 and living in England, with a valid pseudonymized UPRN, not living in a care home, living in a household of 6 people or fewer, and with at least one hospital admission in the previous three years.
[b]Not adjusted for in the main analysis.