

1 **Supplementary materials**

2 **Table S1: Summary of care home resident health logs.** A hyphen indicates missing data
3 precluding calculation. '% mortality' given by deaths divided by bed number. Home LE01 in
4 arm B only reported for 28 days; for ease of comparison, we also report its values scaled up
5 to 90 days (eg by multiplying rates by 90/28). N=nursing. R=residential.

Arm	A		B			C		D		E		
Home	LN02	NK01	LE01	LE01 scaled	NK03	LE04	NK05	LN01	NK04	LN03	NK02	
Home type	N	R/N	R/N	R/N	R	R	R	R/N	R	R	R/N	
Numbers of bed	76	43	53	53	42	50	38	39	43	27	59	
Reporting duration (days)	-	90	28	90	90	90	90	96	99	90	90	
% mortality	-	18.6	3.8	12.1	4.8	-	2.6	12.8	4.7	0.0	16.9	
Rate per bed	Planned hospital attendances	-	0.33	0.00	0.00	0.14	0.04	0.03	0.00	0.09	0.96	0.08
	Planned hospital admissions	-	0.00	0.00	0.00	0.07	0.02	0.00	0.03	0.00	0.00	0.25
	Emergency hospital attendances	-	0.07	0.19	0.61	0.07	0.00	0.16	0.08	0.12	0.15	0.29
	Emergency hospital admissions	-	0.07	0.15	0.49	0.05	0.06	0.11	0.05	0.02	0.04	0.00
	GP consult: in person	-	2.21	0.91	2.91	2.33	0.32	0.11	0.03	0.65	0.89	-
	GP consult: virtually	-	0.07	2.72	8.73	0.00	0.00	0.58	0.10	0.00	0.04	0.08
	GP consult: phone	-	2.63	4.72	15.16	0.00	0.80	1.71	0.13	0.07	1.00	-
	Nurse consult: in person	-	0.21	-	-	1.79	0.18	1.92	0.00	1.26	0.04	-
	Nurse consult: virtually	-	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.51	0.00	0.08
	Nurse consult: phone	-	0.09	-	-	0.00	0.24	0.00	0.00	0.02	0.00	2.68

6

7

8 **Table S2: Estimated costs of intervention components (costs in 2021/2022 sterling) per care home. SoECAT=Schedule of Events Cost Attribution**
9 **Template**

Intervention component	Element	Cost (£, 2021/22)	Assumptions
Educational materials	Printing & delivery	£148	Printing of posters and leaflets (£120) and delivery to carehomes (£28). Based on study printing costs
	Vaccine provider employment per care home	£556	Estimated cost of employing a community pharmacist for up to 4.25 hours to deliver up to four clinics (incorporating admin and travel time, PPE, and mileage). Taken from study SoECAT form
Clinic delivery	Per vaccinated staff member	£23	Consists of: £12.10 for vaccine; incentive payment of £10.06 to vaccine provider; £0.85 for PPE. Taken from study SoECAT form
	Total (study utilisation)	£671	From a mean of 5 staff vaccinated at each intervention home
	Total (expected utilisation)	£1,293	Assuming 8 people vaccinated at each of 4 clinics (32 staff in total)
Monitoring	6×10 minute monthly phone calls	£31	Phone calls delivered by NHS band 3 staff. Hourly rate of £31, derived from Jones & Burns (2021) [Band 3 annual salary £20,699; multiplied by 2.42 to account for non-salary costs (salary oncosts, overheads and capital overheads) based on NHS Band 4 Scientific and Professional staff (p.104) working 1,618 hours per year]. Inflated to 21/22 values using ONS GDP deflator
Incentivisation	Payment if care home achieves ≥ 70% vaccination	£850	