

APPENDIX: Supplementary (online) tables

Table A1 Number (%) of participants using services: comparison of the Treatment as Usual and intervention groups

Service used	Baseline period ¹			Follow-up period ²		
	TAU (N=234)	Intervention (N=234)	P*	TAU (N=229)	Intervention (N=226)	P*
Home care worker	35(15.0)	40(17.1)	0.61	35(15.3)	40(17.7)	0.53
Case/care Manager	13(5.6)	9(3.8)	0.51	12(5.3)	4(9.0)	0.66
Social Worker	22(9.4)	21(9.0)	1.00	8(3.5)	18(8.0)	0.05*
Dementia Adviser worker	48(20.5)	32(13.7)	0.07	24(10.5)	26(11.5)	0.77
Dementia support worker	39(16.7)	42(17.9)	0.81	26(11.4)	39(17.3)	0.08
Support worker	16(6.8)	13(5.6)	0.70	17(7.4)	20(8.8)	0.61
Voluntary worker	48(20.5)	53(22.6)	0.65	60(26.3)	52(23.0)	0.45
Community Mental Health Nurse	61(26.1)	60(25.6)	1.00	25(10.9)	28(12.4)	0.66
Community District Nurse	29(12.4)	31(13.2)	0.89	30(13.1)	24(10.6)	0.47
GP	178(76.1)	178(76.1)	1.00	156(68.1)	168(74.3)	0.15
GP Practice Nurse	109(46.6)	114(48.7)	0.71	125(54.6)	122(54.0)	0.93
Community Pharmacist	66(28.2)	61(26.1)	0.68	82(35.8)	97(42.9)	0.13
Psychologist	12(5.1)	8(3.4)	0.49	11(4.8)	13(5.8)	0.40
Physiotherapist	33(14.1)	25(10.7)	0.33	37(16.2)	34(15.0)	0.80
Dietician	7(3.0)	3(1.3)	0.34	3(1.3)	5(2.2)	0.36
Health visitor	0(0.0)	1(0.4)	1.00	0(0.0)	4(1.8)	0.06
Chiropodist	69(29.5)	76(32.5)	0.55	73(31.9)	87(38.5)	0.14
Benefits Adviser	13(5.6)	10(4.3)	0.67	21(9.2)	15(6.6)	0.39
Short-term respite care	1(0.4)	1(0.4)	1.00	3(1.3)	4(1.8)	0.72
Transport	15(6.4)	18(7.7)	0.72	18(7.9)	22(9.7)	0.51
Drop-in centre	17(7.3)	10(4.3)	0.23	15(6.6)	16(7.1)	0.85
Day care centre	10(4.3)	10(4.3)	1.00	0(0.0)	1(0.4)	0.50
All out-patient visits	164(70.1)	167(71.4)	0.84	145(63.3)	151(66.8)	0.49
All in patient visits	22(9.4)	36(15.4)	0.07	29(12.6)	38(16.7)	0.24
In-patient: AE visit	16(6.8)	16(6.8)	1.00	10(4.4)	16(7.1)	0.23
In-patient - General Medical Ward	7(3.0)	21(9.0)	0.01*	10(4.4)	21(9.3)	0.03*
In-patient - Geriatric Ward	0(0.0)	3(1.3)	0.25	4(1.7)	0(0.0)	0.12
In-patient - Surgical Ward	5(2.1)	8(3.4)	0.58	12(5.2)	12(5.3)	1.00
All aids and adaptations	148(63.2)	151(64.5)	0.85	106(46.3)	61(27.0)	0.00*
Adaptations	32(13.7)	32(13.7)	1.00	10(4.4)	17(7.5)	0.17
Equipment	125(53.4)	131(56.0)	0.64	101(44.1)	49(21.7)	0.00*
Technological aids	60(26.5)	59(25.5)	1.00	47(20.5)	9(4.0)	0.00*
Memory aid: clock ^a	44(18.8)	45(19.2)	1.00	61(26.6)	2(0.9)	0.00*
Memory aid: Medication reminder ^a	81(34.6)	75(32.1)	0.62	89(38.9)	0(0.0)	0.00*

At each interviewed time point (T1, T2, T3) details of services used over the preceding 3 months were elicited.

¹Baseline (T1); ²Follow up (T2 and T3).

*p < 0.05, chi-square test

^a Memory aids already received or held by participants in each group; intervention group also received the DESCANT intervention comprising package of memory aids and visits by a Dementia Support Practitioner at baseline.

Tables A2-A11 – full model data for each secondary outcome

Table A2 full model data for the secondary outcome: CASP 19 (by the patients) coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.04	-1.40, 1.32	-0.06	0.95
<u>Age categories</u>					
≤70	81-85 years	1.02	-1.22, 3.27	0.89	0.37
71-75		2.58	0.64, 4.52	2.61	0.01*
76-80		1.70	0.01, 3.39	1.97	0.05
86-90		-0.33	-2.29, 1.64	-0.33	0.75
90+		1.46	-1.94, 4.86	0.84	0.40
Gender (Female)	Male	1.35	0.05, 2.64	2.05	0.04*
Ethnicity (Non-White)	White	-0.60	-2.89, 1.68	-0.52	0.61
≥ 90 days since 1st attended Memory Clinic	< 90 days	0.16	-1.30, 1.62	0.21	0.83
Living with Primary Carer	No	0.64	-0.74, 2.02	0.91	0.36

*p < 0.05

CASP19 score varies from 0 to 57; higher scores indicate better QoL.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A3 full model data for the secondary outcome: CASP19 (by the carer) coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.07	-1.42, 1.28	-0.10	0.92
<u>Age categories</u>					
≤70	81-85 years	0.66	-1.58, 2.90	0.58	0.56
71-75		0.94	-0.99, 2.88	0.96	0.34
76-80		0.29	-1.39, 1.98	0.34	0.74
86-90		0.04	-1.99, 1.92	-0.04	0.97
90+		0.66	-4.07, 2.76	-0.38	0.71
Gender (Female)	Male	0.90	-0.39, 2.19	1.38	0.17
Ethnicity (Non-White)	White	-0.57	-2.86, 1.72	0.50	0.62
≥ 90 days since 1st attended Memory Clinic	< 90 days	0.10	-1.35, 1.54	0.13	0.90
Living with Primary Carer	No	-3.74	-5.13, 2.36	-5.30	0.00*

*p < 0.05

CASP19 score varies from 0 to 57; higher scores indicate better QoL.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.004

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A4 full model data for the secondary outcome: CDR coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.15	-0.82, 0.52	-0.43	0.67
<u>Age categories</u>					
≤70	81-85 years	-0.14	-1.02, 0.74	-0.32	0.75
71-75		-0.62	-1.38, 0.15	-1.57	0.12
76-80		0.20	-0.46, 0.87	0.60	0.55
86-90		-0.84	-1.62, -0.06	-2.12	0.03*
90+		-0.18	-1.56, 1.19	-0.26	0.80
Gender (Female)	Male	-0.32	-0.83, 0.19	-1.24	0.22
Ethnicity (Non-White)	White	0.57	-0.37, 1.51	1.20	0.23
≥ 90 days since 1st attended Memory Clinic	< 90 days	0.45	-0.13, 1.03	1.53	0.13
Living with Primary Carer	No	-0.06	-.062,0.50	0.20	0.84

*p < 0.05

CDR scores from 0 to 30; higher is worse or more severe dementia.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.02

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A5 full model data for the secondary outcome: DEMQOL coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	0.13	-2.29, 2.55	0.11	0.92
<u>Age categories</u>					
≤70	81-85 years	-2.72	-6.76, 1.30	-1.33	0.19
71-75		2.35	-1.14, 5.85	1.32	0.20
76-80		1.92	1.16, 5.00	1.22	0.22
86-90		0.62	-2.94, 4.18	0.34	0.73
90+		1.37	-4.75, 7.50	0.44	0.66
Gender (Female)	Male	2.46	0.11, 4.80	1.20	0.04*
Ethnicity (Non-White)	White	-5.60	-9.88, -1.31	2.18	0.01*
≥ 90 days since 1st attended Memory Clinic	< 90 days	0.40	-2.25, 3.05	1.35	0.76
Living with Primary Carer	No	0.53	-1.97, 3.04	1.28	0.67

*p < 0.05

DEMQOL score varies from 28 to 112; higher score indicates better health related QoL.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A6 full model data for the secondary outcome: LSNS-R coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.89	-2.71, 0.92	-0.96	0.34
<u>Age categories</u>					
≤70	81-85 years	4.22	1.24, 7.20	2.78	0.01*
71-75		1.05	-1.52, 3.62	0.80	0.42
76-80		1.89	-0.36, 4.13	1.65	0.10
86-90		-1.89	-4.49, 0.72	-1.42	0.16
90+		-1.79	-6.33, 2.75	-0.77	0.44
Gender (Female)	Male	0.58	-1.12, 2.29	0.67	0.50
Ethnicity (Non-White)	White	0.64	-2.34, 3.63	0.42	0.67
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.02	-1.93, 1.89	-0.02	0.99
Living with Primary Carer	No	0.88	-0.94, 2.71	0.95	0.34

*p < 0.05

LSNS_R: scores from 0 to 60; higher scores indicates more social engagement.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A7 full model data for the secondary outcome: RIDDD Initiative coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	0.89	-2.03, 3.82	0.60	0.55
<u>Age categories</u>					
≤70	81-85 years	4.05	-0.37, 8.47	1.79	0.07
71-75		5.06	1.23, 8.90	2.59	0.01*
76-80		4.08	0.75, 7.42	2.40	0.02*
86-90		0.42	-3.46, 4.31	0.21	0.83
90+		-5.90	-12.72, 0.91	-1.70	0.10
Gender (Female)	Male	1.07	-1.47, 3.61	0.82	0.41
Ethnicity (Non-White)	White	-2.22	-6.92, 2.48	-0.92	0.36
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.84	-3.74, 2.08	-0.56	0.57
Living with Primary Carer	No	-1.78	-4.61, 1.05	-1.23	0.22

*p < 0.05

RIDDD initiative: scores from 0 to 60; higher scores show better initiative.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.03

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A8 full model data for the secondary outcome: RIDDD Performance coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.78	-3.66, 2.11	-0.53	0.60
<u>Age categories</u>					
≤70	81-85 years	1.23	-3.69, 6.15	0.49	0.62
71-75		4.15	-0.08, 8.38	1.92	0.06
76-80		5.23	1.53, 8.93	2.77	0.01*
86-90		-2.35	-6.64, 1.94	-1.08	0.28
90+		-11.91	-19.36, -4.46	-3.13	0.00*
Gender (Female)	Male	0.47	-2.34, 3.29	0.33	0.74
Ethnicity (Non-White)	White	-3.38	-8.30, 1.53	-1.35	0.18
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.10	-3.24, 3.05	-0.06	0.95
Living with Primary Carer	No	-1.88	-4.89, 1.12	-1.23	0.22

*p < 0.05

RIDDD performance: scores from 0 to 76; higher scores indicate better performance.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A9 full model data for the secondary outcome: SMMSE coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.20	-1.08, 0.68	-0.45	0.60
<u>Age categories</u>					
≤70	81-85 years	-0.78	-2.27, 0.72	-1.02	0.31
71-75		-0.26	-1.56, 1.03	-0.40	0.69
76-80		0.09	-1.03, 1.21	0.16	0.88
86-90		-0.80	-2.10, 0.50	-1.21	0.23
90+		-2.25	-4.51, 0.02	-1.95	0.05
Gender (Female)	Male	0.26	-0.59, 1.12	0.61	0.55
Ethnicity (Non-White)	White	-3.51	-5.07, 1.95	-4.41	0.00*
≥ 90 days since 1st attended Memory Clinic	< 90 days	0.32	-0.66, 1.30	0.65	0.52
Living with Primary Carer	No	-0.71	-1.64, 0.23	-1.48	0.14

*p < 0.05

SMMSE: scores from 0 to 30; higher scores indicate better cognitive condition.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.03

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A10 full model data for the secondary outcome: GHQ-12 coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.38	-1.32, 0.55	-0.81	0.42
Age categories					
≤70	81-85 years	0.02	-1.48, 1.53	0.03	0.97
71-75		0.09	-1.21, 1.38	0.13	0.90
76-80		-0.57	-1.71, 0.56	-0.99	0.32
86-90		0.18	-1.14, 1.50	0.27	0.80
90+		-0.26	-2.56, 2.05	-0.22	0.83
Gender (Female)	Male	-1.41	-2.27, -0.55	-3.21	0.001*
Ethnicity (Non-White)	White	0.79	-0.72, 2.30	1.02	0.31
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.33	-1.29, 0.64	-0.67	0.50
Living with Primary Carer	No	0.14	-0.78, 1.10	0.30	0.76

*p < 0.05

GHQ-12: scores from 0 to 60; higher scores indicate better health.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A11 full model data for the secondary outcome: SSCQ coefficients

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
Treatment arm: Intervention	Comparator	-0.43	-1.46, 0.59	-0.83	0.40
Age categories					
≤70	81-85 years	1.02	-0.69, 2.73	1.17	0.24
71-75		-0.13	-1.60, 1.34	-0.17	0.86
76-80		0.91	-0.38, 2.19	1.38	0.17
86-90		0.49	-1.01, 1.98	0.64	0.52
90+		0.20	-2.40, 2.80	0.15	0.88
Gender (Female)	Male	1.23	0.25, 2.21	2.46	0.01*
Ethnicity (Non-White)	White	-1.93	-3.68, -0.17	-2.15	0.03
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.54	-1.65, 0.57	-0.96	0.34
Living with Primary Carer	No	0.26	-0.80, 1.32	0.49	0.63

*p < 0.05

SSCQ: scores from 7 to 35; higher scores indicate show greater dependence.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.01

We fitted a multi-level mixed-effect model with the covariates in this table as fixed effect and intercept as random effects. We treated participants as Level 1 and 'Trusts' as Level 2.

Table A12 ADJUSTED (Multi-level Mixed Model) estimates for primary outcome, BADLS: Coefficients (after imputation)

Parameters	Reference Category	Coefficient (B)	95% CI (B)	z	p-value
<u>Treatment arm:</u> Intervention	Comparator	0.70	-0.92, 2.31	0.85	0.40
<u>Age categories</u>					
≤70	81-85 years	-0.59	-3.32, 2.15	-0.42	0.67
71-75		-2.32	-4.67, 0.03	-1.94	0.05
76-80		-2.46	-4.51, -0.42	-2.36	0.02*
86-90		-0.03	-2.40, 2.34	-0.03	0.98
90+		6.59	2.49, 10.69	3.15	0.002*
Gender (Female)	Male	0.23	-1.79, 1.34	-0.28	0.78
Ethnicity (Non-White)	White	3.56	0.75, 6.36	2.48	0.01*
≥ 90 days since 1st attended Memory Clinic	< 90 days	-0.92	-2.70, 0.87	-1.01	0.31
Living with Primary Carer	No	0.45	-1.25, 2.14	0.52	0.61

*p < 0.05

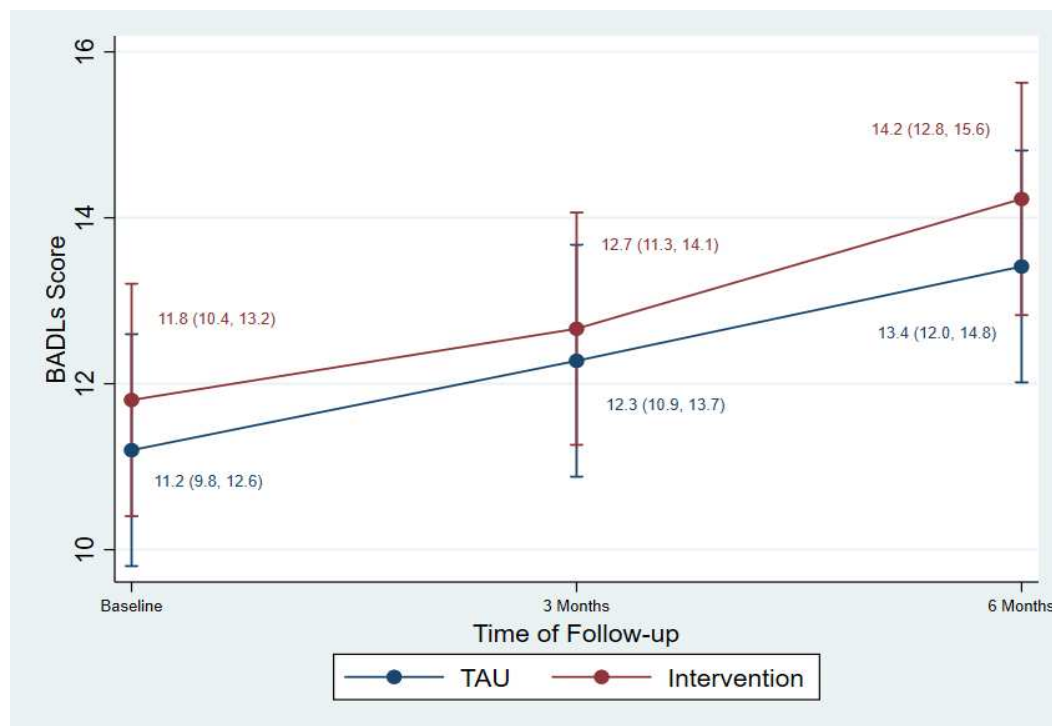
N =468 at each time point.

Bristol Activities of Daily Living Scale (BADLS): scores from 0 to 60; higher scores show greater dependence.

Intraclass Correlation Coefficient (ICC) for 'Trust' = 0.01

We fitted a multi-level mixed-effect model with the variables in the last 5 rows as fixed-effect covariates.

We treated participants as Level 1 and 'Trusts' as Level 2.



Here N's are 468 for each time point (after multiple imputation).

Figure A1 Mean (95% CI) BADLS SCORES over time by randomly assigned group (after imputation)