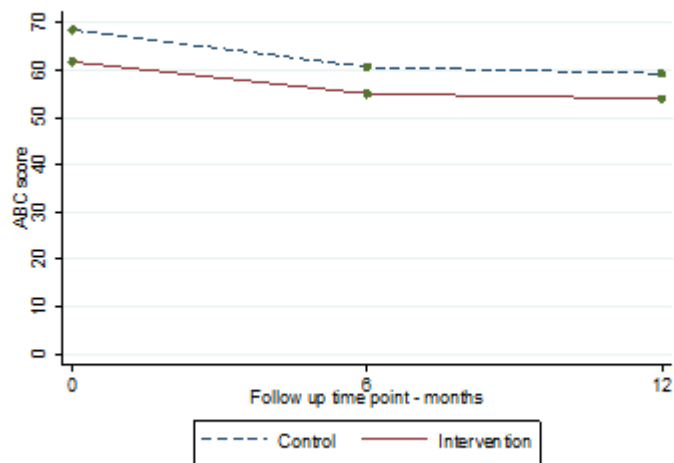Staff training in PBS for adults with ID and challenging behaviour

Supplementary Fig. 1 ABC-C$_t$ score over 12 months.

6

Supplementary Table 1 Sensitivity and exploratory multivariate analyses

Model	Difference	95% CI	P-value
Sensitivity analyses			
Primary model	-2·14	(-8·79, 4·51)	0·528
Area deprivation	-2·39	(-9·19 ,4·41)	0·491
Completed by family/paid carer	-1·21	(-8·20 ,5·79)	0·735
Missing data (BOCF)	-1·83	(-8·42, 4·76)	0·586
Heteroscedastic model	-2·35	(-9·24, 4·55)	0·505
Imbalance in baseline characteristics	-0·81	(-7·95, 6·32)	0·824
% of participants who had at least one intervention component (e.g. plan, observations, goodness of fit)	1.41	(-15.5, 18.3)	0.870
Multivariate analysis (ABC-C subdomains)			
Irritability, Agitation, Crying	-0.041	(-0.22, 0.14)	
Lethargy, Social Withdrawal	-0.016	(-0.22, 0.19)	
Stereotypic Behaviour	-0.050	(-0.25, 0.14)	
Hyperactivity, Non-compliance	-0.049	(-0.23, 0.13)	

Supplementary Table 2 Secondary outcomes over 12 months

	Descriptive: N (%)			Analysis over 12 months		
	Baseline	**6 Months**	**12 Months**	**N$_{su}$**	**Odds Ratio/ Difference**	**95% CI**
Service users						
Mini-PASADD	**N (%)**	**N (%)**	**N (%)**			
Common mental disorder				230	1·07	(0·61, 1·87)
Control	61 (46)	43 (37)	54 (44)			
Intervention	56 (52)	45 (46)	42 (42)			
Severe mental illness (SMI)				229	1·24	(0·32, 4·81)
Control	27 (20)	13 (11)	21 (17)			
Intervention	20 (19)	17 (18)	15 (15)			
Autistic spectrum				230	0·70	(0·26, 1·88)
Control	31 (23)	31 (27)	40 (33)			
Intervention	19 (18)	24 (24)	22 (22)			
GCPLA	**Median (IQR)**	**Median (IQR)**	**Median (IQR)**			
Range				232	0·587	(-0·57, 1·74)
Control	17 (12, 22)	16.5 (13, 21)	17 (13, 21)			
Intervention	19 (13, 23·5)	19 (14, 23)	17 (13·5, 22)			
Busy				232	0·377	(-0·59, 1·34)
Control	10 (7, 13)	11 (7, 13)	11 (8, 13)			
Intervention	11 (8, 15)	11 (8, 14)	12 (8, 14)			
Family carers	Median (IQR)	Median (IQR)	Median (IQR)			
Uplift						
Control	15 (13, 17)	15 (12, 17)	15 (13, 17)			
Intervention	14 (13, 16)	15 (14, 17)	15 (13, 16)			
Burden						
Control	33 (28, 39)	31 (25, 36)	30 (25, 39)			
Intervention	28 (26, 31)	29 (25·5, 32·5)	30 (28, 32·5)			
GHQ score						
Control	4 (1, 8)	4 (2, 7)	3 (1, 6)			
Intervention	3 (0, 4)	2·5 (1, 6.5)	2 (0, 3)			
Paid carers	Median (IQR)					
CDS*						
Control	24 (15, 37)					
Intervention	21 (13, 31)					

*Respondents changed over the 12 months, consequently the trends are not provided