

THE LANCET Psychiatry

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Jahoda A, Hastings R, Hatton C, et al. Comparison of behavioural activation with guided self-help for treatment of depression in adults with intellectual disabilities: a randomised controlled trial. *Lancet Psychiatry* 2017; published online Nov 16. [http://dx.doi.org/10.1016/S2215-0366\(17\)30426-1](http://dx.doi.org/10.1016/S2215-0366(17)30426-1).

	<i>ITT Population</i>			<i>PP Population</i>		
	N	Between-group difference*	p-value	N	Between-group difference*	p-value
GDS-LD						
Post-intervention (4 months)	68, 72	-0.75 (-2.80, 1.31)	0.471	59, 61	-0.28 (-2.59, 2.03)	0.810
Follow-up (12 months)	65, 70	0.26 (-2.18, 2.70)	0.833	55, 59	-0.03 (-2.39, 2.34)	0.982
IDDS						
Post-intervention (4 months)	65, 70	-4.49 (-13.72, 4.75)	0.336	58, 60	-1.48 (-11.19, 8.24)	0.762
Follow-up (12 months)	63, 66	1.36 (-9.19, 11.92)	0.797	54, 57	-1.95 (-13.46, 9.56)	0.735
GAS-ID						
Post-intervention (4 months)	68, 72	-0.77 (-3.38, 1.84)	0.559	59, 61	-1.10 (-4.02, 1.82)	0.453
Follow-up (12 months)	65, 70	0.43 (-2.59, 3.45)	0.776	55, 59	-0.53 (-3.60, 2.53)	0.729
BPI-S						
Post-intervention (4 months)	66, 69	-0.65 (-1.55, 0.25)	0.154	58, 60	-0.33 (-1.24, 0.59)	0.480
Follow-up (12 months)	64, 67	-0.67 (-1.46, 0.12)	0.093	55, 57	-0.42 (-1.07, 0.24)	0.205
EQ-5D-Y						
Post-intervention (4 months)	68, 71	0.01 (-0.12, 0.14)	0.878	59, 61	-0.01 (-0.14, 0.13)	0.924
Follow-up (12 months)	65, 69	0.04 (-0.08, 0.15)	0.546	55, 59	-0.03 (-0.16, 0.10)	0.626
EQ-5D-VAS						
Post-intervention (4 months)	68, 72	8.15 (-1.16, 17.45)	0.085	59, 61	6.21 (-4.18, 16.60)	0.236
Follow-up (12 months)	65, 70	6.75 (-3.07, 16.56)	0.174	55, 59	6.33 (-4.68, 17.33)	0.254
ICI (total)						
Post-intervention (4 months)	68, 72	3.23 (-0.33, 6.78)	0.074	59, 61	2.46 (-1.59, 6.50)	0.230
Follow-up (12 months)	66, 69	3.11 (-0.68, 6.91)	0.106	56, 58	2.31 (-1.93, 6.54)	0.280
IPDL						
Post-intervention (4 months)	68, 72	-0.51 (-2.16, 1.14)	0.539	59, 61	-0.95 (-2.80, 0.89)	0.305
Follow-up (12 months)	66, 69	0.75 (-1.11, 2.61)	0.424	56, 58	0.11 (-1.93, 2.15)	0.915
SSQ3—size of support network						
Post-intervention (4 months)	68, 72	0.09 (-0.68, 0.86)	0.823	59, 61	0.17 (-0.69, 1.03)	0.694
Follow-up (12 months)	65, 69	0.04 (-0.79, 0.86)	0.932	55, 58	0.02 (-0.92, 0.96)	0.967
SSQ3—satisfaction						
Post-intervention (4 months)	68, 72	-0.02 (-0.17, 0.12)	0.741	59, 61	-0.03 (-0.19, 0.14)	0.761
Follow-up (12 months)	65, 69	0.001 (-0.15, 0.15)	0.987	55, 58	-0.02 (-0.20, 0.15)	0.784
ABS—socialisation						
Post-intervention (4 months)	67, 71	1.11 (0.20, 2.02)	0.017	58, 61	1.19 (0.17, 2.21)	0.023
Follow-up (12 months)	66, 68	0.14 (-0.72, 0.10)	0.750	56, 58	0.11 (-0.82, 1.04)	0.819
ABS—self-direction						
Post-intervention (4 months)	67, 71	0.98 (-0.15, 2.12)	0.089	58, 61	0.74 (-0.53, 2.01)	0.247
Follow-up (12 months)	66, 68	0.13 (-1.13, 1.39)	0.838	56, 58	-0.11 (-1.51, 1.29)	0.873
ABS—responsibility						
Post-intervention (4 months)	67, 71	-0.16 (-0.59, 0.27)	0.452	58, 61	-0.24 (-0.72, 0.24)	0.321
Follow-up (12 months)	66, 68	-0.44 (-0.92, 0.05)	0.076	56, 58	-0.42 (-0.99, 0.15)	0.147
EDSE						
Post-intervention (4 months)	66, 70	0.86 (-0.44, 2.16)	0.192	58, 60	0.65 (-0.82, 2.12)	0.380
Follow-up (12 months)	64, 67	-0.39 (-1.60, 0.83)	0.527	55, 57	-0.62 (-1.96, 0.72)	0.356
BLESID						
Follow-up (12 months)	66, 69	0.25 (-0.34, 0.83)	0.406	56, 58	0.28 (-0.31, 0.86)	0.351

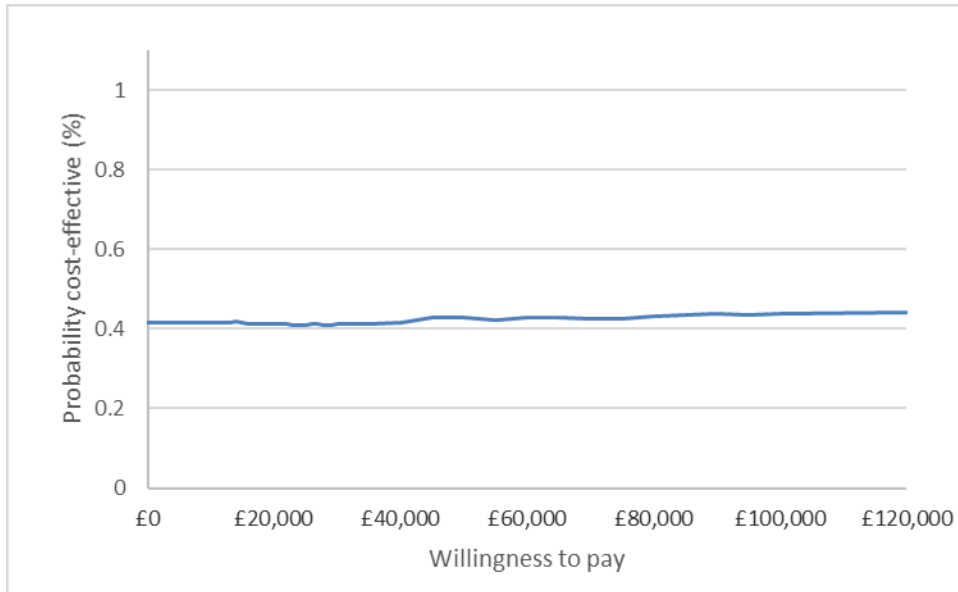
Supplementary Table 1: Intention to treat (ITT, as in main paper) and per protocol (PP) analyses. N columns show numbers of participants included from the Beat-It and Step-Up groups, respectively

	<i>Complete Case Analysis</i>		<i>Multiple Imputation</i>	
	Between-group difference*	<i>p</i> -value	Between-group difference*	<i>p</i> -value
GDS-LD				
Post-intervention (4 months)	-0.75 (-2.80, 1.31)	0.471	-0.18 (-2.06, 1.69)	0.850
Follow-up (12 months)	0.26 (-2.18, 2.70)	0.833	-0.30 (-2.56, 1.96)	0.792

Supplementary Table 2: Complete case analyses of primary outcome (as in main paper) and multiple imputation analyses

	<i>StepUp</i>		<i>BeatIt</i>	
	Mean (SD)	Used by (n)%	Mean (SD)	Used by (n)%
Medication	£807 (£1,409)	68 (93.2%)	£862 (£1,718)	58 (85.3%)
Daytime activities	£8,096 (£11,301)	68 (93.2%)	£8,496 (£11,766)	58 (85.3%)
Hospital based services	£1,011 (£3,419)	68 (93.2%)	£859 (£2,182)	58 (85.3%)
Community based services	£15,822 (£36,193)	68 (93.2%)	£15,512 (£32,685)	58 (85.3%)
Intervention	£1050 (£310)	68 (93.2%)	£1,788 (£506)	58 (85.3%)
Total Costs	£26,786 (£38,232)	68 (93.2%)	£27,158 (£35,751)	58 (85.3%)

Supplementary Table 3: Total mean costs for complete cases only



Supplementary Figure 1: Cost-effectiveness acceptability curve (multiple imputation, adjusted results)

At the current NICE £30,000 willingness-to-pay threshold there is a 41.1% chance of BeatIt being cost-effective compared to StepUp, this does not alter significantly as the threshold varies illustrating that the only certainty is that BeatIt is more costly than StepUp.