

**Supplementary Table II. T<sub>2</sub> sample baseline characteristics by trial allocation**

		<b>Intervention (n=1553)<sup>‡</sup> n (%) or mean (SD)</b>	<b>Control (n=1302)<sup>‡</sup> n (%) or mean (SD)</b>	<b>Test statistic (p value)</b>
<b>Site</b>	Liverpool	735 (47)	601 (46)	p=0.53
	Cambridge	818 (53)	701 (54)	
<b>Age (years)</b>		67.77 (3.98)	67.82 (3.98)	p=0.77
<b>Gender</b>	Male	1189 (77)	977 (75)	p=0.34
	Female	364 (23)	325 (25)	
<b>Education<sup>¶</sup></b>	Up to GCSE/O level	509 (44)	431 (44)	p=0.77
	Beyond GCSE/O level	640 (56)	556 (56)	
<b>Ethnicity</b>	White	1536 (99)	1289 (99)	^
	Non-white	11 (1)	10 (1)	
<b>Marital group</b>	Married /cohabiting	1171 (76)	1003 (77)	p=0.37
	Not married/cohabiting	377 (24)	298 (23)	
<b>IMD</b>	Quintile 1 (most deprived)	378 (24)	290 (22)	p=0.63
	Quintile 2	186 (12)	152 (12)	
	Quintile 3	287 (19)	236 (18)	
	Quintile 4	286 (18)	259 (20)	
	Quintile 5 (least deprived)	416 (27)	365 (28)	
<b>Smoking status</b>	Current smoker	568 (37)	441 (34)	p= 0.13
	Ex-smoker	984 (63)	861 (66)	
	Never smoker	1 (<1)	0 (0)	^
<b>Experience of lung cancer (T<sub>0</sub>)</b>	No	916 (59)	767 (59)	p=0.98
	Yes	634 (41)	532 (41)	
<b>Cancer distress (T<sub>0</sub>)<sup>+</sup></b>		2.16 (.28) <i>8.69</i>	2.15 (.28) <i>8.58</i>	p=0.22
<b>Anxiety (T<sub>0</sub>)<sup>+</sup></b>		1.52 (.71) <i>3.56</i>	1.50 (.71) <i>3.47</i>	p=0.46
<b>Depression (T<sub>0</sub>)<sup>+</sup></b>		1.26 (.67) <i>2.54</i>	1.25 (.66) <i>2.47</i>	p=0.48
<b>Decision satisfaction (T<sub>0</sub>)</b>	Not very satisfied	932 (60)	736 (57)	p=0.07
	Very satisfied	618 (40)	561 (43)	

<sup>‡</sup> Ns vary in each cell due to missing data. Percentages were calculated based on available data.

<sup>¶</sup> A substantial amount of data were missing or uninformative for education.

<sup>^</sup> Data were excluded from analysis due to limited variation.

<sup>+</sup> Log<sub>n</sub> scores in normal text and original scale scores in italics (analyses used log<sub>n</sub> scores).