

**Supplementary Table I. T<sub>1</sub> sample baseline characteristics by trial allocation**

		<b>Intervention (n=1653)<sup>‡</sup> n (%) or mean (SD)</b>	<b>Control (n=1579)<sup>‡</sup> n (%) or mean (SD)</b>	<b>Test statistic (p value)</b>
<b>Site</b>	Liverpool	819 (50)	766 (49)	p=0.56
	Cambridge	834 (51)	813 (52)	
<b>Age (years)</b>		67.71 (3.94)	67.75 (4.02)	p=0.77
<b>Gender</b>	Male	1253 (76)	1193 (76)	p=0.87
	Female	400 (24)	386 (24)	
<b>Education<sup>¶</sup></b>	Up to GCSE/O level	516 (44)	491 (43)	p=0.53
	Beyond GCSE/O level	654 (56)	656 (57)	
<b>Ethnicity</b>	White	1632 (99)	1558 (99)	^
	Non-white	13 (1)	13 (1)	
<b>Marital group</b>	Married /cohabiting	1239 (75)	1171 (74)	p=0.57
	Not married/cohabiting	409 (25)	405 (26)	
<b>IMD</b>	Quintile 1 (most deprived)	447 (27)	396 (25)	p=0.51
	Quintile 2	193 (12)	174 (11)	
	Quintile 3	292 (18)	282 (18)	
	Quintile 4	280 (17)	298 (19)	
	Quintile 5 (least deprived)	441 (27)	429 (27)	
<b>Smoking status</b>	Current smoker	621 (38)	573 (36)	p=0.44
	Ex-smoker	1031 (62)	1006 (64)	
	Never smoker	1 (<1)	0 (0)	^
<b>Experience of lung cancer (T<sub>0</sub>)</b>	No	974 (59)	896 (57)	p=0.20
	Yes	675 (41)	680 (43)	
<b>Cancer distress (T<sub>0</sub>)<sup>+</sup></b>		2.16 (0.28) <i>8.71</i>	2.15 (0.28) <i>8.60</i>	p=0.21
<b>Anxiety (T<sub>0</sub>)<sup>+</sup></b>		1.53 (0.71) <i>3.63</i>	1.51 (0.71) <i>3.55</i>	p=0.46
<b>Depression (T<sub>0</sub>)<sup>+</sup></b>		1.28 (0.68) <i>2.58</i>	1.26 (0.67) <i>2.54</i>	p=0.60
<b>Decision satisfaction (T<sub>0</sub>)</b>	Not very satisfied	1000 (61)	916 (58)	p=0.18
	Very satisfied	651 (39)	657 (42)	

<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).