

**Supplementary Table 1 Mean health-related quality of life measured at four times in participants with positive and negative screening results**

SF-12	Positive screening result				Negative screening result			
	Mean baseline (SD)	Mean result (SD)	Mean 6 mo (SD)	Mean 1 yr (SD)	Mean baseline (SD)	Mean result (SD)	Mean 6 mo (SD)	Mean 1 yr (SD)
PF	82.2	80.5	79.8 <sub>2</sub>	79.2 <sub>2</sub>	86.2	86.3	85.1 <sub>1,2</sub>	84.9 <sub>2</sub>
RP	75.9	78.1	76.9	76.4	82.4	81.8	80.3 <sub>1,2</sub>	79.2 <sub>2</sub>
RE	81.6	81.0	79.1	79.8	87.5	87.3	86.6	85.2 <sub>2</sub>
MH	79.3	79.2	80.8	79.4	81.3	82.3 <sub>1</sub>	81.7	80.3 <sub>1,2</sub>
GH	64.3	63.8	63.5	62.9	69.0	70.2 <sub>1</sub>	68.8 <sub>1</sub>	68.8
BP	79.6	80.8	78.3	80.8 <sub>1</sub>	83.0	83.7 <sub>1</sub>	82.5 <sub>1</sub>	82.2 <sub>2</sub>
VT	57.2	58.3	59.5 <sub>2</sub>	57.1	60.8	62.8 <sub>1</sub>	61.6 <sub>1,2</sub>	59.5 <sub>1,2</sub>
SF	85.3	86.6	87.7 <sub>2</sub>	85.4 <sub>1</sub>	89.5	90.2 <sub>2</sub>	89.4 <sub>1</sub>	88.3 <sub>1,2</sub>

Baseline questionnaires were completed prior to screening, and the result questionnaire following receipt of the first screening result, but before potential colonoscopy. Mixed model: <sup>1</sup>Contrast analyses -statistically significant change from last time point; <sup>2</sup>Contrast analyses - statistically significant change from baseline. HRQOL dimensions: PF (Physical Functioning), RP (Role-Physical, limitation associated with physical problems), RE (Role-Emotional, limitations associated with emotional problems), MH (Mental Health), GH (General Health), BP (Bodily Pain), VT (Vitality, energy and happiness), and SF (Social Functioning).

**Supplementary Table 2 Mean health-related quality of life measured at four times in participants in the two screening groups**

SF-12	Positive screening result				Negative screening result			
	Mean baseline (SD)	Mean result (SD)	Mean 6 mo (SD)	Mean 1 yr (SD)	Mean baseline (SD)	Mean result (SD)	Mean 6 mo (SD)	Mean 1 yr (SD)
PF	82.2	80.5	79.8 <sup>2</sup>	79.2 <sup>2</sup>	86.2	86.3	85.1 <sup>1,2</sup>	84.9 <sup>2</sup>
RP	75.9	78.1	76.9	76.4	82.4	81.8	80.3 <sup>1,2</sup>	79.2 <sup>2</sup>
RE	81.6	81.0	79.1	79.8	87.5	87.3	86.6	85.2 <sup>2</sup>
MH	79.3	79.2	80.8	79.4	81.3	82.3 <sup>1</sup>	81.7	80.3 <sup>1,2</sup>
GH	64.3	63.8	63.5	62.9	69.0	70.2 <sup>1</sup>	68.8 <sup>1</sup>	68.8
BP	79.6	80.8	78.3	80.8 <sup>1</sup>	83.0	83.7 <sup>1</sup>	82.5 <sup>1</sup>	82.2 <sup>2</sup>
VT	57.2	58.3	59.5 <sup>2</sup>	57.1	60.8	62.8 <sup>1</sup>	61.6 <sup>1,2</sup>	59.5 <sup>1,2</sup>
SF	85.3	86.6	87.7 <sup>2</sup>	85.4 <sup>1</sup>	89.5	90.2 <sup>2</sup>	89.4 <sup>1</sup>	88.3 <sup>1,2</sup>

Baseline questionnaires were completed prior to screening, and the result questionnaire following receipt of the first screening result, but before potential colonoscopy. Mixed model: <sup>1</sup>Contrast analyses -statistically significant change from last time point; <sup>2</sup>Contrast analyses - statistically significant change from baseline. HRQOL dimensions: PF (Physical Functioning), RP (Role-Physical, limitation associated with physical problems), RE (Role-Emotional, limitations associated with emotional problems), MH (Mental Health), GH (General Health), BP (Bodily Pain), VT (Vitality, energy and happiness), and SF (Social Functioning).