Additional file 7:Sensitivity analysis: Generalised linear model with total QALYs at 12 months for the whole group (Complete-case)

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| Coefficient (SE) n = 260 |
| Constant | 0.607 (0.258)\*\* |
| SF-1 general health | -0.101( 0.035)\*\* |
| RMDQ | -0.018 (0 .007)\*\* |
| Pain variables |  |
| Duration of current episode of leg pain (<6 weeks) |  |
|  6-12 weeks | -0.079(0.069) |
|  Over 3 months | -0.171(0.065)\*\* |
| Pain intensity– highest of leg or back pain | -0.051(0.022)\*\* |
| Psychological measures and perceptions |  |
| Illness perception: |  |
| Identity ‡ | 0.006(0.022) |
| Timeline acute† (Strongly disagree/disagree/neither) |  |
|  Agree/strongly agree | -0.049(0.056) |
| HADs depression | -0.027(0.009)\*\* |
| Personal characteristics |  |
| Age | -0.000(0.002) |
| Sex (Female) | 0.014(0.056) |
| BMI | -0.002(0.005) |
| Comorbidities  | -0.023(0.061) |
| Care pathways-unadjusted (0-2 physiotherapy sessions) |  |
|  3 or more physiotherapy sessions | 0.079(0.058) |
|  Referrals to specialist spinal services | -0.105(0.093)\*\* |
| AIC: 1.136 BIC: -1316.29 |  |
| \*\*\*p<0.01 \*\* p<0.05,\* p<0.1† Timeline; illness/condition duration: ‘my back and / or leg problem will last for a long time’). Timeline is measured on a Likert scale; strongly disagree - Disagree - Neither agree or disagree - Agree - Strongly agree. For the purposes of the analysis it was dichotomised ((agree (agree, strongly agree) versus disagree (strongly disagree, disagree, neither agree nor disagree)).†† Sex is measured as 1 Female 0 Male‡ Identity; Symptom attribution to the condition from a list of 7 potential symptoms: back pain, leg pain, unable to sit comfortably, fatigue, stiff joints, sleep difficulties, loss of strength. The score is the sum of symptoms experienced. The list of the 7 potential symptoms was chosen by the research team; RMDQ Roland Morris Disability Questionnaire; SE Standard Error; HADs Hospital and Anxiety Depression scale |
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