

Supplemental Appendix

Table S1. Description of outcome and select covariate measurements[18]

Variable name (modeled)	Scale	Recall Period	Questions	Response Options
Pain interference (mediator)	Likert (1-5)	7 days	“How much did pain interfere with your day-to-day activities?”, “How much did pain interfere with work around the home?”, “How much did pain interfere with your ability to participate in social activities?”, “How much did pain interfere with your household chores?”	“Not at all”, “A little bit”, “Somewhat”, “Quite a bit”, “Very much”
Pain intensity (mediator)	0-10	7 days	Rate your pain on average	0 (no pain) to 10 (worst imaginable pain)
Sleep disturbance[18] (outcome)	Likert (1-5)	7 days	“My sleep quality was...”	“Very poor”, “Poor”, “Fair”, “Good”, “Very good”
	Likert (1-5)	7 days	“My sleep was refreshing”, “I had a problem with my sleep”, “I had difficulty falling asleep”	“Not at all”, “A little bit”, “Somewhat”, “Quite a bit”, “Very much”
Satisfaction with social roles (outcome)	Likert (1-5)	7 days	“I am satisfied with how much work I can do (including work at home)”, “I am satisfied with my ability to work (including work at home)”, “I am satisfied with my ability to do regular personal and household responsibilities”, “I am satisfied with my ability to perform my daily routines”	“Not at all”, “A little bit”, “Somewhat”, “Quite a bit”, “Very much”
Sex (baseline covariate)	Binary	None		Male, Female
Low back pain duration (baseline covariate)	Ordinal Categorical (1-7)		How long ago did your current episode of low back pain begin?	“Less than 7 days ago”, “7 days to less than 16 days ago”, “16 days to less than 1 month ago”, “1-3 months ago”, “More than

				3 months and less than 6 months ago", "6 months to less than 1 year ago", "1 year or more ago"
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Table S2. Completeness of outcome and mediator data

Variable name (modeled)	Time point	UMC, n=375, n (%)	UMC+CC, n=375, n (%)	Total, n=750, n (%)
Pain interference (mediator)	6 weeks	316 (84.3)	321 (85.6)	637 (84.9)
Pain intensity (mediator)	6 weeks	315 (84.0)	321 (85.6)	636 (84.8)
Physical function (outcome)	12 weeks	288 (76.8)	287 (76.5)	575 (76.7)
Sleep disturbance (outcome)	12 weeks	288 (76.8)	287 (76.5)	575 (76.7)
Fatigue (outcome)	12 weeks	288 (76.8)	287 (76.5)	575 (76.7)
Social roles (outcome)	12 weeks	288 (76.8)	287 (76.5)	575 (76.7)

UMC: usual medical care; UMC+CC: usual medical care plus chiropractic care